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MEMORANDUM

DATE: March 10, 2026

TO: Laurie Blakeman, Krazan & Associates, Inc.

FROM: Cara Cunningham, Associate

SUBJECT: Air Quality and Greenhouse Gas Analysis Memorandum for the Chowchilla Residential Project

INTRODUCTION

This Air Quality and Greenhouse Gas (GHG) Analysis for the proposed Chowchilla Residential Project (project), located in Madera County and proposed to be annexed in the City of Chowchilla (City), has been prepared using methods and assumptions recommended in the San Joaquin Valley Air Pollution Control District's (SJVAPCD) *Guidance for Assessing and Mitigating Air Quality Impacts* (GAMAQI).[1] This analysis includes a description of existing regulatory framework, an assessment of project construction and operation-period air pollutant emissions, and an assessment of GHG emissions.

PROJECT DESCRIPTION

The 18.24-acre project site is located north of Road 15 between Robertson Boulevard to the northwest and a canal to the southeast (Assessor's Parcel Number [APN] 026-233-008) and is bounded by residential developments to the north, Road 15 to the south, a dairy farm to the east, and Robertson Boulevard to the west. The northern boundary of the project site coincides with the Chowchilla city limits. Figure 1 (all figures are included in Attachment A) illustrates the regional and project location.

The proposed project includes the demolition of an existing warehouse on the southwest corner of the site and the construction of two types of housing. The proposed project would construct 34 attached single-family residential units at the northeast portion of the project site and 154 multifamily residential units in the central and western sections of the project site. The multifamily component of the proposed project would be developed in two phases. Figure 2 illustrates the conceptual site plan.

[1] San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. *Guidance for Assessing and Mitigating Air Quality Impacts*. March 19. Website: https://www.valleyair.org/media/g4nl3p0g/gamaqi.pdf (accessed July 2025).

The proposed project would comply with the latest California Green Building Standards Code (CALGreen) building measures and 2022 Title 24 Building Energy Efficiency Standards (Title 24 Standards). The proposed project would also be all-electric and would not include natural gas. The proposed project would generate approximately 1,323 average daily trips.[2] Access to the project would be provided via three driveways, two along Road 15 and one connecting to the existing Palm Parkway. The current land use designation of the project site is High Density Residential (HDR) and zoned as Residential, Rural, Single-Family District (RRS). The project would require a general plan amendment (GPA) and annexation to the City.

Construction of the proposed project is anticipated to begin in 2026. Construction activities for the project would include demolition, site preparation, grading, building construction, paving, and architectural coating activities. Based on the preliminary grading plans, the proposed project would not require the import or export of soil.

Existing Sensitive Land Uses in the Project Area

For the purposes of this analysis, sensitive receptors are areas of population that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include residences, schools, day care centers, hospitals, parks, and similar uses that are sensitive to air quality. Impacts on sensitive receptors are of particular concern because they are the population most vulnerable to the effects of air pollution.[3] The closest sensitive receptors to the project site include the single-family residential uses located immediately north of the project site along Jefferson Street and Lincoln Avenue, to the east and south along Road 15, and to the west across Robertson Boulevard.

ENVIRONMENTAL SETTING

Air Quality Background

Air quality is primarily a function of both local climate, local sources of air pollution and regional pollution transport. The amount of a given pollutant in the atmosphere is determined by the amount of the pollutant released and the atmosphere's ability to transport and dilute the pollutant. The major determinants of transport and dilution are wind, atmospheric stability, terrain, and, for photochemical pollutants, sunshine.

A region's topographic features have a direct correlation with air pollution flow and, therefore, are used to determine the boundary of air basins. The proposed project is located in Madera County, within the jurisdiction of the SJVAPCD, which regulates air quality in the San Joaquin Valley Air Basin (SJVAB).

The SJVAB consists of approximately 25,000 square miles and covers all of seven counties, including Fresno, Kings, Madera, Merced, San Joaquin, Stanislaus and Tulare, as well as the western portion of an eighth county, Kern. The SJVAB is defined by the Sierra Nevada mountains to the east (8,000 to 14,000 feet in elevation), the Coast Ranges to the west (averaging 3,000 feet in elevation), and the

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2 LSA. 2025. *Chowchilla Residential Development Project Traffic Impact Study (TIS)* . March.

3 SJVAPCD. 2015. Op. cit.

Tehachapi Mountains to the south (6,000 to 8,000 feet in elevation). The valley is topographically flat with a slight downward gradient to the northwest. The valley opens to the sea at the Carquinez Strait, where the San Joaquin-Sacramento Delta empties into San Francisco Bay. An aerial view of the SJVAB would simulate a "bowl" opening only to the north. These topographic features restrict air movement through and out of the SJVAB.

Both the State of California (State) and the federal government have established health-based ambient air quality standards (AAQS) for six criteria air pollutants: carbon monoxide (CO), ozone, nitrogen dioxide (NO_2), sulfur dioxide (SO_2), lead, particulate matter less than 2.5 microns in size ($PM_{2.5}$), and particulate matter less than 10 microns in size (PM_{10}). The SJVAB is designated as nonattainment for ozone and $PM_{2.5}$ for federal standards and nonattainment for ozone, PM_{10}, and $PM_{2.5}$ for State standards.

Air quality monitoring stations are located throughout the nation and maintained by the local air districts and State air quality regulating agencies. Data collected at permanent monitoring stations are used by the United States Environmental Protection Agency (USEPA) to identify regions as "attainment" or "nonattainment" depending on whether the regions meet the requirements stated in the applicable National Ambient Air Quality Standards (NAAQS). Nonattainment areas are imposed with additional restrictions as required by the USEPA. In addition, different classifications of attainment, such as marginal, moderate, serious, severe, and extreme, are used to classify each air basin in the State on a pollutant-by-pollutant basis. The classifications are used as a foundation to create air quality management strategies to improve air quality and comply with the NAAQS. The SJVAB attainment statuses for each of the criteria pollutants for Fresno County are listed in Table A**.**

Table A: San Joaquin Valley Air Basin Air Quality Attainment Status

Pollutant	State	Federal
Ozone (1-hour)	Severe/Nonattainment	Standard Revoked
Ozone (8-hour)	Nonattainment	Extreme Nonattainment
PM_{10}	Nonattainment	Attainment (Maintenance)
$PM_{2.5}$	Nonattainment	Nonattainment
Carbon Monoxide	Attainment	Attainment (Maintenance)
Nitrogen Dioxide	Attainment	Unclassified/Attainment
Lead	Attainment	Unclassified/Attainment
Sulfur Dioxide	Attainment	Unclassified
Sulfates	Attainment	No Federal Regulation
Hydrogen Sulfide	Unclassified	No Federal Regulation

Sources: California Air Resources Board and United States Environmental Protection Agency (2023).
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size

Greenhouse Gases

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

- Carbon dioxide (CO_2);
- Methane (CH_4);
- Nitrous oxide (N_2O);
- Hydrofluorocarbons (HFCs);
- Perfluorocarbons (PFCs); and
- Sulfur hexafluoride (SF_6).

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally occurring GHGs such as CO_2, CH_4, and N_2O, some gases, like HFCs, PFCs, and SF_6, are completely new to the atmosphere.

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

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to CO_2, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e).

REGULATORY FRAMEWORK

Air Quality Regulations

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

Federal Regulations

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

State Regulations

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

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

The California Air Resources Board Handbook. CARB has developed an Air Quality and Land Use Handbook,[4] which is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process. According to the CARB Handbook, air pollution studies have shown an association between respiratory and other noncancer health effects and proximity to high traffic roadways. Other studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. The CARB Handbook recommends that county and city planning agencies strongly consider proximity to these sources when finding new locations for "sensitive" land uses such as homes, medical facilities, daycare centers, schools, and playgrounds.

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

- Within 500 feet of a freeway, urban roads with 100,000 vehicles per day, or rural roads with 50,000 vehicles per day;
- Within 1,000 feet of a major service and maintenance rail yard;
- Immediately downwind of ports (in the most heavily impacted zones) and petroleum refineries;
- Within 300 feet of any dry cleaning operation (for operations with two or more machines, provide 500 feet); and

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

- Within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater).

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

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

Regional Regulations

San Joaquin Valley Air Pollution Control District. The SJVAPCD has specific air quality-related planning documents, rules, and regulations. This section summarizes the local planning documents and regulations that may be applicable to the proposed project as administered by the SJVAPCD with CARB oversight.

Rule 8011—General Requirements: Fugitive Dust Emission Sources. Fugitive dust regulations are applicable to outdoor fugitive dust sources. Operations, including construction operations, must control fugitive dust emissions in accordance with SJVAPCD Regulation VIII. According to Rule 8011, the SJVAPCD requires the implementation of control measures for fugitive dust emission sources.

Guidance for Assessing and Mitigating Air Quality Impacts. The SJVAPCD prepared the GAMAQI to assist lead agencies and project applicants in evaluating the potential air quality impacts of projects in the SJVAB. The GAMAQI provides SJVAPCD-recommended procedures for evaluating potential air quality impacts during the California Environmental Quality Act (CEQA) environmental review process. The GAMAQI provides guidance on evaluating short-term (construction) and long-term (operational) air emissions. The most recent version of the GAMAQI, adopted March 19, 2015, was used in this evaluation. It contains guidance on the following:

- Criteria and thresholds for determining whether a project may have a significant adverse air quality impact;
- Specific procedures and modeling protocols for quantifying and analyzing air quality impacts;
- Methods to mitigate air quality impacts; and
- Information for use in air quality assessments and environmental documents, including air quality, regulatory setting, climate, and topography data.

Local Regulations

City of Chowchilla General Plan. The City of Chowchilla addresses air quality in the Open Space and Conservation Element of its General Plan.[5] The Open Space and Conservation Element contains goals, policies, and implementation measures that work to improve air quality in Chowchilla. The following policies and implementation measures regarding air quality are applicable for the proposed project:

- **Policy OS 22.1:** Residential development projects and projects categorized as sensitive receptors shall be located an adequate distance from existing and potential sources of toxic emissions such as freeways, major arterials, industrial sites, and hazardous material locations. "Adequate distance" will be based on site-specific conditions, on the types and amounts of potential toxic emissions, and other factors.

- **Policy OS 22.3:** The creation of dust during construction/demolition activities should be reduced to the extent feasible.

    - **Implementation Measure OS 22.3.A:** Work with the San Joaquin Valley Air Pollution Control District to reduce particulate emissions from construction, grading, excavation, and demolition through standard and/or special conditions on these activities.

Greenhouse Gas Regulations

Federal Regulations

The United States has historically had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the United States Supreme Court ruled that the USEPA has the authority to regulate CO_2 emissions under the CAA. While there currently are no adopted federal regulations for the control or reduction of GHG emissions, the USEPA commenced several actions in 2009 to implement a regulatory approach to global climate change. This includes the 2009 USEPA final rule for mandatory reporting of GHGs from large GHG emission sources in the United States. Additionally, the USEPA Administrator signed an endangerment finding action in 2009 under the CAA, finding that six GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6) constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to global climate change, leading to national GHG emission standards.

State Regulations

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

Assembly Bill 32 (2006), California Global Warming Solutions Act. California's major initiative for reducing GHG emissions is Assembly Bill (AB) 32, passed by the State legislature on August 31, 2006. This effort aims at reducing GHG emissions to 1990 levels by 2020. CARB has established the level of

[5] City of Chowchilla. *City of Chowchilla 2040 General Plan, Open Space and Conservation*.

GHG emissions in 1990 at 427 million metric tons (MMT) of CO_2e. The emissions target of 427 MMT requires the reduction of 169 MMT from the State's projected business-as-usual 2020 emissions of 596 MMT. AB 32 requires CARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to global climate change. The Scoping Plan was approved by CARB on December 11, 2008, and contains the main strategies California will implement to achieve the reduction of approximately 169 MMT CO_2e, or approximately 30 percent, from the State's projected 2020 emission level of 596 MMT CO_2e under a business-as-usual scenario (this is a reduction of 42 MMT CO_2e, or almost 10 percent, from 2002–2004 average emissions). The Scoping Plan also includes CARB-recommended GHG reductions for each emissions sector of the State's GHG inventory.

CARB approved the First Update to the Climate Change Scoping Plan on May 22, 2014. The First Update identifies opportunities to leverage existing and new funds to further drive GHG emission reductions through strategic planning and targeted low-carbon investments. The First Update defines CARB climate change priorities until 2020 and also sets the groundwork to reach long-term goals set forth in Executive Orders (EOs) S-3-05 and B-16-2012. The Update highlights California's progress toward meeting the "near-term" 2020 GHG emission reduction goals as defined in the initial Scoping Plan. It also evaluates how to align the State's "longer-term" GHG reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[6] to reflect the 2030 target set by EO B-30-15 and codified by Senate Bill (SB) 32.

The 2022 Scoping Plan[7] was approved in December 2022. It assesses progress toward achieving the SB 32 2030 target and lays out a path to achieve carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

Senate Bill 375 (2008). Signed into law on October 1, 2008, SB 375 supplements GHG reductions from new vehicle technology and fuel standards with reductions from more efficient land use patterns and improved transportation. Under the law, CARB approved GHG reduction targets in February 2011 for California's 18 federally designated regional planning bodies, known as Metropolitan Planning Organizations (MPOs). CARB may update the targets every 4 years and must update them every 8 years. MPOs, in turn, must demonstrate how their plans, policies and transportation investments meet the targets set by CARB through Sustainable Community Strategies (SCSs). The SCSs are included with the Regional Transportation Plan (RTP), a report required by State law. However, if an MPO finds that its SCS will not meet the GHG reduction target, it may prepare an Alternative Planning Strategy (APS). The APS identifies the impediments to achieving the targets.

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6 California Air Resources Board (CARB). 2017. *California's 2017 Climate Change Scoping Plan*. November.

7 CARB. 2022. *2022 Scoping Plan for Achieving Carbon Neutrality*. December. Website: https://ww2.arb.ca.gov/sites/default/files/2023-04/2022-sp.pdf (accessed July 2025).

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

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

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

Senate Bill 350 (2015) Clean Energy and Pollution Reduction Act. SB 350, signed by Governor Jerry Brown on October 7, 2015, updates and enhances AB 32 by introducing the following set of objectives in clean energy, clean air, and pollution reduction for 2030:

- Raise California's Renewable Portfolio Standard from 33 percent to 50 percent; and
- Increase energy efficiency in buildings by 50 percent by the year 2030.

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

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

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

Senate Bill 100. On September 10, 2018, Governor Brown signed SB 100, which raises California's Renewable Portfolio Standard requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill also establishes a State policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use

customers and 100 percent of electricity procured to serve all State agencies by December 31, 2045. Under the bill, the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

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

Assembly Bill 1279. Signed in September 2022, AB 1279 codifies the State goals of achieving net carbon neutrality by 2045 and maintaining net negative GHG emissions thereafter. This bill also requires California to reduce statewide GHG emissions by 85 percent compared to 1990 levels by 2045 and directs CARB to work with relevant State agencies to achieve these goals.

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

Regional Regulations

San Joaquin Valley Air Pollution Control District. In August 2008, the SJVAPCD adopted the Climate Change Action Plan (CCAP).[8] The CCAP directed the SJVAPCD to develop guidance to assist lead agencies, project proponents, permit applicants, and interested parties in assessing and reducing the impacts of project specific GHG emissions on global climate change.

In December 2009, the SJVAPCD adopted the document *Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA*[9] and the policy *District Policy – Addressing GHG Emission Impacts for Stationary Source Projects Under CEQA When Serving as the Lead Agency.*[10] The guidance and policy rely on the use of performance based standards, otherwise known as Best Performance Standards (BPS),[11] to assess the significance of project-specific GHG emissions on global climate change during the environmental review process, as required by CEQA.

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8 SJVAPCD. 2008. *Climate Change Action Plan.* November.

9 SJVAPCD. 2009. *Guidance for Valley Land-Use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA.* December 17.

10 SJVAPCD. 2009. *Addressing GHG Emission Impacts for Stationary Source Projects under CEQA When Serving as the Lead Agency.* December 17.

11 SJVAPCD. 2009. *Final Staff Report Appendix J: GHG Emission Reduction Measures – Development Projects.* December 17.

Projects implementing BPS in accordance with SJVAPCD's guidance would be determined to have a less than significant individual and cumulative impact on GHG emissions and would not require project specific quantification of GHG emissions.

Madera County Regional Transportation Plan and Sustainable Communities Strategy. The Madera County Transportation Commission's (MCTC) 2022 RRTP/SCS[12] provides a path toward a more sustainable future for the Madera County region by the year 2046. The 2022 RTP/SCS considers changing factors and conditions between person and place. The plan considers important strategies to meet an array of local, regional, State, and federal goals. The plan is designed to ensure all of those who live, work, or visit Madera County have safe, accessible, and reliable transportation options. The RTP/SCS considers the region's continued growth in population, housing, and employment, as well as the diverse transportation needs of Madera County's transportation system. The plan outlines how, even as the region grows, environmental impacts related to future transportation per capita will improve versus past conditions.

Local Regulations

City of Chowchilla General Plan. The City of Chowchilla addresses GHG in the Open Space and Conservation Element of its General Plan.[13] The Open Space and Conservation Element contains goals, policies, and implementation measures that enforce State and regional regulations pertaining to GHG emissions and climate change. The following policies and implementation measures regarding GHG are applicable for the proposed project:

- **Implementation Measure OS 22.3.B:** City seeks to reduce the urban heat island effect in the City, which causes increased temperatures and increases in ground level ozone formation through methods such as:
    - Increasing the amount of tree coverage in the city.
    - Green roofs and rooftop gardens.
    - The use of reflective treatments on roofs (such as those which qualify for the Energy Star rating).
    - The use of cool pavements such as permeable and light colored and reflective pavements.
- **Policy OS 23.1:** The City supports local, regional, and statewide efforts to reduce the emission of greenhouse gases linked to climate change.

[12] Madera County Transportation Commission (MCTC). 2022. *2022 Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS)*.

[13] City of Chowchilla. *City of Chowchilla 2040 General Plan, Open Space and Conservation*.

METHODOLOGY

Construction Emissions

Construction activities can generate a substantial amount of air pollution. Construction activities are considered temporary; however, short-term impacts can contribute to exceedances of air quality standards. Construction activities include site preparation, earthmoving, and general construction. The emissions generated from these common construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel- and gasoline-powered equipment, portable auxiliary equipment, and worker commute trips. The California Emissions Estimator Model (CalEEMod) Version 2022.1 computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site.

Construction of the proposed project is anticipated to begin in 2026, which was included in CalEEMod. The construction duration of the proposed project is not yet known; therefore, this analysis utilizes a CalEEMod default construction schedule, which assumes construction would begin in August 2026 and end in February 2028. The proposed project would include the demolition of an existing 4,000-square-foot warehouse and would not include any soil import or export, which was included in CalEEMod. This analysis also assumes use of Tier 2 construction equipment and that the proposed project would comply with SJVAPCD Regulation VIII for fugitive dust control. Other detailed construction information is currently unavailable; therefore, this analysis utilizes CalEEMod default assumptions.

Construction Health Risk Assessment

A construction Health Risk Assessment (HRA), which evaluates construction-period health risk to off-site receptors, was performed for the proposed project, and the analysis is presented below. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including diesel particulate matter [DPM]), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology with the air dispersion modeling performed using the USEPA dispersion model American Meteorological Society/USEPA Regulatory Model (AERMOD). The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and meteorological data.

Operational Emissions

This air quality analysis includes estimating emissions associated with long-term operation of the project. Indirect emissions of criteria pollutants with regional impacts would be emitted by project-generated vehicle trips. In addition, localized air quality impacts (i.e., higher CO concentrations, or “hot spots”) near intersections or roadway segments in the project vicinity would also potentially occur due to project-generated vehicle trips.

Consistent with the SJVAPCD's guidance for estimating emissions, the CalEEMod computer program was used to calculate the long-term operational emissions associated with the project. The proposed project would construct 34 attached single-family residential units and 154 multifamily residential units.[14] The analysis was conducted using the land use codes *Single Family Housing* and *Apartments Low Rise.* The proposed project would generate approximately 1,323 average daily trips,[15] which was included in CalEEMod. The proposed project would be all-electric and would not include natural gas, which was also included in CalEEMod. Where project-specific data were not available, default assumptions (e.g., energy usage, water usage, and solid waste generation) from CalEEMod were used to estimate project emissions. CalEEMod output sheets are included in Attachment B.

Greenhouse Gas Emissions

GHG emissions associated with the project would occur over the short-term from construction activities, consisting primarily of emissions from equipment exhaust. There would also be long-term GHG emissions associated with project-related vehicle trips. Recognizing that the field of global climate change analysis is rapidly evolving, the approaches advocated most recently indicate that for determining a project's contribution to GHG emissions, lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption, water conveyance and treatment, waste generation, construction activities, and any other significant source of emissions within the project area. The CalEEMod results were used to quantify GHG emissions generated by the project.

THRESHOLDS OF SIGNIFICANCE

Air Quality

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

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

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14 The CalEEMod analysis assumed that the proposed project would construct 34 attached single-family residential units and 160 multifamily residential units. The proposed project has since been modified that the proposed project would construct 34 attached single-family residential units and 160 multifamily residential units. Based on the reduction in multifamily residential units, this analysis can be considered conservative, and the proposed project would not result in any additional air quality impacts than identified herein.

15 LSA. 2025. Op. cit.

Regional Emissions Thresholds

The SJVAPCD defines emissions thresholds in the GAMAQI, established based on the attainment status of the air basin with regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety, these emission thresholds are regarded as conservative and would overstate an individual project's contribution to health risks. See Table B, below. The related impacts are discussed further in the Impact Analysis section.

Table B: SJVAPCD Construction and Operation Thresholds of Significance (Tons per Year)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Construction Thresholds	100	10	10	27	15	15
Operation Thresholds	100	10	10	27	15	15

Source: Guidance for Assessing and Mitigating Air Quality Impacts (SJVAPCD 2015).

CO = carbon dioxide
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
ROG = reactive organic compounds
SJVAPCD = San Joaquin Valley Air Pollution Control District
SO_X = sulfur oxides

Health Risk Thresholds

Both the State and federal governments have established health-based AAQS for seven air pollutants. For other air pollutants without defined significance standards, the definition of substantial pollutant concentrations varies. For TACs, "substantial" is taken to mean that the individual health risk exceeds a threshold considered to be a prudent risk management level.

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

- **MICR:** MICR is the estimated probability of a maximum exposed individual (MEI) contracting cancer as a result of exposure to TACs over a period of 70 years for adults and 9 years for children in residential locations, 350 days per year. The SJVAPCD's *Update to the District's Risk Management Policy to Address the California Office of Environmental Health Hazard Assessment (OEHHA) Revised Risk Assessment Guidance Document* states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 20 in 1 million.

- **Chronic HI:** Chronic HI is the ratio of the estimated long-term level of exposure to a TAC for a potential MEI to its chronic reference exposure level. The chronic HI calculations include multi-pathway consideration when applicable. The project would be considered significant if the cumulative increase in total chronic HI for any target organ system would exceed 1.0 at any receptor location.

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

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

The emissions thresholds in the SJVAPCD GAMAQI were established based on the attainment status of the air basin with regard to air quality standards for specific criteria pollutants.[16] Because the concentration standards were set at a level that protects public health with an adequate margin of safety, these emission thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

Greenhouse Gas

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

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or

- Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions of GHGs.

Section 15064.4 of the *State CEQA Guidelines* states that "A lead agency should make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate the amount of greenhouse gas emissions resulting from a project." In performing that analysis, the lead agency has discretion to determine whether to use a model or methodology to quantify GHG emissions or to rely on a qualitative analysis or performance-based standards. In making a determination as to the significance of potential impacts, the lead agency then considers the extent to which the project may increase or reduce GHG emissions as compared to the existing environmental setting, whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project, and the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

Neither the City of Chowchilla, the County of Madera, nor the SJVAPCD has developed or adopted numeric GHG significance thresholds. Therefore, in the absence of any County or SJVAPCD specific guidelines or thresholds, this analysis evaluates the proposed project for consistency with the Bay Area Air District's *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts from Land Use Projects and Plans* (Justification Report).[17]

In April 2022, the Bay Area Air District adopted the Justification Report[18] document, which identifies applicable GHG significance thresholds. These thresholds establish whether a project would be consistent with California's efforts to meet long-term climate goals of achieving carbon neutrality by

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16 SJVAPCD. 2015. Op. cit.

17 Bay Area Air District. 2022. *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans*. April.

18 Ibid.

2045. If a project is designed and built to incorporate design elements related to natural gas, energy, vehicle miles traveled (VMT), and electric vehicles (EVs), then it would contribute its portion of what is necessary to achieve California's long-term climate goals—its "fair share"—and an agency reviewing the project under CEQA can conclude that the project would not make a cumulatively considerable contribution to global climate change.

The Justification Report provides substantial evidence supporting the use of their thresholds for projects throughout California because the thresholds are applicable to meeting the State's goal. In the absence of any City, County, or SJVAPCD specific guidelines or thresholds, this analysis evaluates the proposed project for consistency with the identified project design elements as the applicable thresholds of significance to establish if the proposed project is achieving its "fair share" of emission reductions to support long-term State goals for GHG emissions and carbon neutrality.

According to the Justification Report, a project would have a less than significant impact related to GHG emissions if it would include the following project design elements:

1. Buildings

    a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).

    b. The project will not result in any wasteful, inefficient, or unnecessary electrical usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines.*

2. Transportation

    a. Achieve a reduction in project-generated VMT below the regional average, consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's *Technical Advisory on Evaluating Transportation Impacts in CEQA*:

        1. Residential projects: 15 percent below the existing VMT per capita
        2. Office projects: 15 percent below the existing VMT per employee
        3. Retail projects: no net increase in existing VMT

    b. Achieve compliance with off-street EV requirements in the most recently adopted version of CALGreen Tier 2.

These project design elements are utilized in the following analysis as the thresholds of significance to evaluate the project's potential GHG emissions impact, given the absence of City-, County-, or SJVAPCD-specified thresholds. The proposed project is also evaluated for consistency with the CARB 2022 Scoping Plan and the MCTC 2022 RTP/SCS.

PROJECT IMPACT ANALYSIS

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

Air Quality

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

Consistency with Applicable Air Quality Plans

An air quality plan describes air pollution control strategies to be implemented by a city, county, or region classified as a nonattainment area. The main purpose of the air quality plan is to bring the area into compliance with the requirements of the federal and State air quality standards. To bring the San Joaquin Valley into attainment, the SJVAPCD adopted the *2022 Plan for the 2015 8-hour Ozone Standard in December 2022* to satisfy CAA requirements and ensure attainment of the 70 parts per billion (ppb) 8-hour ozone standard.[19]

To assure the SJVAB's continued attainment of the USEPA PM_{10} standard, the SJVAPCD adopted the *2007 PM_{10} Maintenance Plan* in September 2007.[20] The SJVAPCD adopted the *2024 Plan for the 2012 $PM_{2.5}$ Standard*[21] to address the USEPA federal annual $PM_{2.5}$ standard of 12 micrograms per cubic meter ($\mu g/m^3$) by 2030.

CEQA requires that certain proposed projects be analyzed for consistency with the applicable air quality plan. For a project to be consistent with SJVAPCD air quality plans, the pollutants emitted from a project should not exceed the SJVAPCD emission thresholds or cause a significant impact on air quality. As discussed below, construction of the proposed project would not result in the generation of criteria air pollutants that would exceed the SJVAPCD thresholds of significance. Implementation of Regulatory Control Measure (RCM) AIR-1, provided below, would further reduce construction dust impacts. Operational emissions associated with the proposed project would also not exceed SJVAPCD established significance thresholds. Therefore, the proposed project would not conflict with or obstruct implementation of SJVAPCD air quality plans.

Criteria Pollutant Analysis

In developing thresholds of significance for air pollutants, the SJVAPCD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable,

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19 SJVAPCD. 2022. *2022 Plan for the 2015 8-Hour Ozone Standard*. December 15. Website: https://ww2.valleyair.org/media/q55posm0/0000-2022-plan-for-the-2015-8-hour-ozone-standard.pdf (accessed July 2025).

20 SJVAPCD. 2007. *2007 PM_{10} Maintenance Plan and Request for Redesignation*. Website: https://ww2.valleyair.org/media/xmxlzxff/pm10maintenanceplan209-07.pdf (accessed August 2023).

21 SJVAPCD. 2024. *2024 Plan for the 2012 Annual $PM_{2.5}$ Standard*. June 20. Website: https://ww2.valleyair.org/media/gw5bacvj/2024-pm25-plan.pdf (accessed July 2025).

resulting in significant adverse air quality impacts to the region's existing air quality conditions. The following analysis assesses the potential construction- and operation-related air quality impacts.

Construction Emissions. During construction, short-term degradation of air quality may occur due to the release of particulate matter emissions (i.e., fugitive dust) generated by demolition, grading, hauling, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO_x, reactive organic gases (ROG), directly emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter.

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

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SJVAPCD has established Regulation VIII measures for reducing fugitive dust emissions (PM_{10}). With the implementation of Regulation VIII measures, fugitive dust emissions from construction activities would not result in adverse air quality impacts.

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

CalEEMod was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site. Construction-related emissions are presented in Table C, below. CalEEMod output sheets are included in Attachment B.

Table C: Project Construction Emissions (Tons per Year)

Project Construction	ROG	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
2026	0.1	1.6	1.3	<0.1	0.2	0.1
2027	0.1	2.6	2.3	<0.1	0.2	0.1
2028	0.7	0.1	0.1	<0.1	<0.1	<0.1
Maximum Annual Emissions	**0.7**	**2.6**	**2.3**	**<0.1**	**0.2**	**0.1**
SJVAPCD Thresholds	**10.0**	**10.0**	**100.0**	**27.0**	**15.0**	**15.0**
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (March 2026).

CO = carbon dioxide
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
ROG = reactive organic compounds
SJVAPCD = San Joaquin Valley Air Pollution Control District
SO_2 = sulfur dioxide

As shown in Table C, construction emissions associated with the project would be minimal and would not exceed the SJVAPCD's thresholds for ROG, NO_X, CO, PM_{10}, and $PM_{2.5}$ emissions. In addition to the construction period thresholds of significance, the SJVAPCD has implemented Regulation VIII measures for dust control during construction. Implementation of RCM AIR-1 would ensure that the proposed project complies with Regulation VIII.

RCM AIR-1 Consistent with San Joaquin Valley Air Pollution Control District (SJVAPCD) Regulation VIII (Fugitive PM_{10} Prohibitions), the following controls are required to be included as specifications for the proposed project and implemented at the construction site:

- All disturbed areas, including storage piles, which are not being actively utilized for construction purposes, shall be effectively stabilized of dust emissions using water and a chemical stabilizer/suppressant, then covered with a tarp or other suitable cover or vegetative ground cover.
- All on-site unpaved roads and off-site unpaved access roads shall be effectively stabilized of dust emissions using water or chemical stabilizer/suppressant.
- All land clearing, grubbing, scraping, excavation, land leveling, grading, cut and fill, and demolition activities shall be effectively controlled of fugitive dust emissions utilizing application of water or by presoaking.
- When materials are transported off site, all material shall be covered, or effectively wetted to limit visible dust emissions, and at least 6 inches of freeboard space from the top of the container shall be maintained.
- All operations shall limit or expeditiously remove the accumulation of mud or dirt from adjacent public streets at the end of each workday. (The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.)

- Following the addition of materials to, or the removal of materials from, the surface of outdoor storage piles, said piles shall be effectively stabilized of fugitive dust emissions utilizing sufficient water or chemical stabilizer/ suppressant.

Construction emissions associated with the proposed project would be less than significant with implementation of RCM AIR-1. Therefore, construction of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State AAQS.

Operational Emissions. Long-term air pollutant emission impacts are those associated with mobile sources (e.g., vehicle trips), energy sources (e.g., natural gas), and area sources (e.g., architectural coatings and the use of landscape maintenance equipment) related to the proposed project.

Mobile-source emissions include ROG and NO_X emissions that contribute to the formation of ozone. Additionally, PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways.

Energy-source emissions result from activities in buildings for which natural gas is used. The quantity of emissions is the product of usage intensity (i.e., the amount of natural gas) and the emission factor of the fuel source. However, as mentioned previously, the proposed project would be designed to be all electric and would not utilize natural gas.

Typically, area-source emissions consist of direct sources of air emissions located at the project site, including architectural coatings and the use of landscape maintenance equipment. Area-source emissions associated with the project would include emissions from the use of landscaping equipment.

Emission estimates for operation of the project were calculated using CalEEMod. The primary emissions associated with the project are regional in nature, meaning that air pollutants are rapidly dispersed on release or, in the case of vehicle emissions associated with the project, emissions are released in other areas of the SJVAB. The annual emissions associated with project operational trip generation, energy, and area sources are identified in Table D for ROG, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$. Calculation details are included in Attachment B.

Table D: Project Operation Emissions (Tons per Year)

	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Mobile Source Emissions	1.0	1.0	6.1	<0.1	1.4	0.4
Area Source Emissions	1.3	<0.1	2.8	<0.1	0.3	0.2
Energy Source Emissions	0.0	0.0	0.0	0.0	0.0	0.0
Total Project Operation Emissions	**2.3**	**1.1**	**8.9**	**<0.1**	**1.7**	**0.6**
SJVAPCD Significance Threshold	**10.0**	**10.0**	**100.0**	**27.0**	**15.0**	**15.0**
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (March 2026).
Note: Some values may not appear to add up correctly due to rounding.
CO = carbon dioxide
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
ROG = reactive organic compounds
SJVAPCD = San Joaquin Valley Air Pollution Control District
SO_2= sulfur dioxide

As shown in Table D, the proposed project would not exceed annual criteria pollutant significance thresholds for ROG, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$. Therefore, operation of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable federal or State AAQS.

Sensitive Receptors

Sensitive receptors are defined as people who have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include schools, parks and playgrounds, day care centers, nursing homes, hospitals, and residential dwelling units. The closest sensitive receptors to the project site include the single-family residential uses located immediately north of the project site along Jefferson Street and Lincoln Avenue, to the east and south along Road 15, and to the west across Robertson Boulevard.

Construction Health Risk. A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. Table E, below, identifies the results of the analysis assuming the use of Tier 2 construction equipment as proposed by the project. Model snapshots of the sources are shown in Attachment C.

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

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential Receptor Risk	45.06	0.040	0.000
Worker Receptor Risk	0.60	0.029	0.000
School Receptor Risk	0.04	0.000	0.000
SJVAPCD Significance Threshold	**20.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Compiled by LSA (March 2026).
SJVAPCD = San Joaquin Valley Air Pollution Control District

As shown in Table E, the maximum cancer risk for the residential receptor MEI would be 45.06 in one million, which would exceed the SJVAPCD cancer risk threshold of 20 in one million. The worker and school receptor risk would be lower at 0.60 in one million and 0.04 in one million, respectively, which would not exceed the SJVAPCD cancer risk thresholds. The chronic HI would be 0.040 for the residential receptor MEI, 0.029 for the worker receptor MEI, and 0.000 for the school receptor MEI, which would be below the threshold of 1.0. In addition, the acute HI would be nominal (0.000), which would also not exceed the threshold of 1.0. Therefore, implementation of Mitigation Measure (MM) AIR-1, provided below, which would require the use of cleaner construction equipment, would be necessary to reduce substantial pollutant concentrations during project construction.

MM AIR-1 During construction of the proposed project, the project contractor shall ensure all off-road, diesel-powered construction equipment of 50 horsepower or more used for the project construction meets, at a minimum, the California Air Resources Board Tier 2 emissions standards equipped with Level 3 diesel particulate filters or the equivalent.

Table F identifies the results of the analysis with implementation of Mitigation Measure AIR-2.

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

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential Receptor Risk	7.24	0.007	0.000
Worker Receptor Risk	0.03	0.005	0.000
School Receptor Risk	0.01	0.000	0.000
SJVAPCD Significance Threshold	**20.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Compiled by LSA (March 2026).
SJVAPCD = San Joaquin Valley Air Pollution Control District

As shown in Table F, the mitigated cancer risk at the MEI would be 7.24 in one million, which would not exceed the SJVAPCD's cancer risk of 20 in one million. Therefore, with implementation of MM AIR-1, construction of the proposed project would not exceed SJVAPCD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations.

Operational Health Risk. Known health effects related to ozone include worsening of bronchitis, asthma, and emphysema and a decrease in lung function. Particulate matter can also lead to a variety of health effects in people. These include premature death of people with heart or lung disease, heart attacks, irregular heartbeat, decreased lung function, and increased respiratory symptoms.

As demonstrated in Table D above, although the emissions from operations resulting from implementation of the proposed project would not exceed the SJVAPCD's project level thresholds, this does not in itself constitute a less-than-significant health impact.

The SJVAPCD's project level thresholds are based in part on Section 180 (e) of the CAA. The project level thresholds are intended to provide a means of consistency in significance determination within the environmental review process.

Notwithstanding, simply exceeding the SJVAPCD's project level criteria pollutant thresholds does not constitute a particular health risk impact to an individual nearby. The reason for this is that the project level criteria pollutant thresholds are in tons/year emitted into the air, whereas health effects are determined based on the concentration of a pollutant in the air at a particular location (e.g., ppm by volume of air or µg/m^3 of air). CAAQS and NAAQS were developed to protect the most susceptible population groups from adverse health effects and were established in terms of ppm or µg/m^3 for the applicable emissions. As demonstrated in Table D above, the proposed project's long-term operational emissions would not exceed the SJVAPCD's significance criteria for annual ROG, NO_X, CO, SO_X, PM_{10}, or $PM_{2.5}$ emissions.

The SJVAPCD recommends an ambient air quality analysis (AAQA) using air dispersion modeling to determine if the emissions increase from a project will cause or contribute to a violation of NAAQS or CAAQS for a project if emissions exceed 100 pounds per day of any pollutant. As shown in Table D, the proposed project would generate approximately 2.3 tons per year of ROG, 1.1 tons per year of NO_X, 8.9 tons per year of CO, less than 0.1 tons per year of SO_X, 1.7 tons per year of PM_{10}, and 0.6 tons per year of $PM_{2.5}$ emissions. Based on CalEEMod, the maximum pounds per day generated by the proposed project would be approximately 17.0 pounds per day of ROG, 6.7 pounds per day of NO_X, 92.7 pounds per day of CO, 0.2 pounds per day of SO_X, 14.3 pounds per day of PM_{10}, and 8.1 pounds per day of $PM_{2.5}$. As such, the proposed project's operational emissions would not exceed 100 pounds per day for any pollutant. Therefore, an AAQA evaluation would not be required.

As such, project emissions would not be expected to exceed NAAQS or CAAQS. It should be noted that the AAQS are developed and represent levels at which the most susceptible persons (children and the elderly) are protected. In other words, the AAQS are purposefully set low to protect children, the elderly, and those with existing respiratory problems.

Furthermore, air quality trends for emissions of NO_X, VOCs, ozone (which is a byproduct of NO_X and VOCs), and PM emissions have been trending downward within the SJVAB even as development has increased over the last several years. Therefore, continued implementation of the proposed project is not expected to result in any SJVAB-wide increase in health effects.

As noted in the Brief of Amicus Curiae by the SJVAPCD (2015),[22] the SJVAPCD has acknowledged that currently available modeling tools are not equipped to provide a meaningful analysis of the correlation between an individual development project's air emissions and specific human health impacts.

Additionally, the SJVAPCD acknowledges that health effects quantification from ozone, as an example, is correlated with the increases in ambient level of ozone in the air (concentration) that an

[22] SJVAPCD. 2015. *Amicus Curiae Brief of San Joaquin Valley Unified Air Pollution Control District*. April. Website: www.courts.ca.gov/documents/7-s219783-ac-san-joaquin-valley-unified-air-pollution-control-dist-041315.pdf (accessed March 2026).

individual person breathes. The SJVAPCD indicates that it would take a large amount of additional emissions to result in a modeled increase in ambient ozone levels over the entire region. As such, it is not currently possible to accurately quantify ozone-related health impacts caused by NO_X or VOC emissions from relatively small projects (defined as projects with a regional scope) due to photochemistry and regional model limitations.

Therefore, the proposed project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a Basin-wide level. Further, the SJVAPCD acknowledges the same:[23]

> "…the Air District is simply not equipped to analyze and to what extent the criteria pollutant emissions of an individual CEQA project directly impact human health in a particular area…even for projects with relatively high levels of emissions of criteria pollutant precursor emissions."

Current scientific, technological, and modeling limitations prevent the relation of expected adverse air quality impacts to likely health consequences. However, given that operational emissions would be well below the SJVAPCD's thresholds, this impact is considered to be less than significant.

Once the project is constructed, operational activities associated with the proposed project would not be a source of substantial emissions. Therefore, sensitive receptors are not expected to be exposed to substantial pollutant concentrations during project construction or operation.

Objectionable Odors

The SJVAPCD addresses odor criteria within the GAMAQI. The air pollution district has not established a rule or standard regarding odor emissions; rather, the district has a nuisance rule: "Any project with the potential to frequently expose members of the public to objectionable odors should be deemed to have a significant impact."

During construction, the various diesel-powered vehicles and equipment in use on site would create localized odors. These odors would be temporary and are not likely to be noticeable for extended periods of time beyond the project site. Additionally, the proposed uses that would be developed within the project site are not expected to produce any offensive odors that would result in frequent odor complaints. Therefore, the proposed project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Greenhouse Gas Emissions

Generate Greenhouse Gas Emissions

This section discusses the project's impacts related to the release of GHG emissions for both the construction and operational phases of the project.

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[23] Ibid.

Construction GHG Emissions. Construction-related GHG emissions are typically emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically uses fossil-based fuels to operate. Construction activities, such as grading, site preparation, and construction; on-site construction vehicles; equipment hauling materials to and from a project site; and motor vehicles transporting the construction crew typically produce combustion emissions from various sources.

The SJVAPCD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are encouraged to quantify and disclose GHG emissions that would occur during construction. Using CalEEMod, it is estimated that construction of the proposed project would generate a total of approximately 697.7 metric tons (MT) of CO_2e. Construction GHG emissions were amortized over the life of the project (assumed to be 30 years) and added to the operational emissions. When annualized over the life of the project, amortized construction emissions would be approximately 23.3 MT CO_2e per year.

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

Emissions estimates for operation of the proposed project were calculated using CalEEMod. Table G shows the emissions sources by category; mobile-source emissions are the largest category, at approximately 86 percent of total CO_2e emissions, followed by area-source emissions at approximately 6 percent of the total, energy sources at approximately 5 percent of the total, waste-source emissions at approximately 2 percent of the total, and water-source emissions with 1 percent of the total emissions. Calculation details are included in Attachment B.

Table G: Operational Greenhouse Gas Emissions

Emissions Category	Operational Emissions (Metric Tons per Year)				
	CO_2	CH_4	N_2O	CO_2e	Percent of Total
Mobile Source	1,551.0	0.1	0.1	1,580.0	88
Area Source	41.6	0.2	<0.1	46.2	2
Energy Source	102.2	<0.1	<0.1	103.2	6
Water Source	5.9	0.3	<0.1	14.3	1
Waste Source	13.4	1.3	<0.1	46.9	3
Total Operational				**1,790.6**	**100.0**
Amortized Construction Emissions				23.3	–
Total Emissions				**1,813.9**	–

Source: Compiled by LSA (March 2026).
Note = Some values may not appear to add up correctly due to rounding.
CH_4 = methane CO_2e = carbon dioxide equivalent
CO_2 = carbon dioxide N_2O = nitrous oxide

As shown in Table G, the proposed project would generate approximately 1,813.9 MT CO_2e annually. As discussed above, the SJVAPCD has not established a numeric threshold for GHG emissions. The significance of GHG emissions may be evaluated based on locally adopted quantitative thresholds or consistency with a regional GHG reduction plan (such as a Climate Action Plan).

In the absence of any City, County, or SJVAPCD specific guidelines or thresholds, this analysis evaluates the proposed project for consistency with the Bay Area Air District's Justification Report,[24] which identifies project design elements as the applicable thresholds of significance. If a project is designed and built to incorporate design elements related to natural gas, energy, VMT, and EVs, it would contribute its portion of what is necessary to achieve California's long-term climate goals—its "fair share"—and an agency reviewing the project under CEQA can conclude that the project would not make a cumulatively considerable contribution to global climate change.

Per the significance thresholds described above, a less than significant GHG impact would occur if the project were consistent with the identified project design standards.

Natural Gas Usage. According to the Justification Report, a less than significant GHG impact would occur if the project does not include natural gas appliances or natural gas plumbing. It is not yet known whether the proposed project would include natural gas. The proposed project would be all-electric and would not require natural gas. Therefore, the proposed project would be consistent with this design element.

Energy Usage. Under this design criterion, the project must not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines*. Energy consumed by the proposed project

[24] Bay Area Air District. 2022. *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans*. April.

would be associated with electricity consumption associated with the project. Energy consumption was estimated for the project using default energy intensities by land use type in the CalEEMod output, which is included in Attachment B.

The estimated potential increase in electricity demand associated with the operation of the proposed project is 1,104,137 kilowatt-hours per year. Total electricity consumption in Madera County in 2022 was 1,808,229,048 kilowatt-hours. Therefore, operation of the proposed project would increase the annual electricity consumption in Madera County by approximately 0.06 percent.

In addition, the proposed project would be constructed to current Title 24 standards, which would require energy-saving building features. As such, based on this analysis, as required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines*, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of fuel or energy and would incorporate renewable energy and energy efficiency measures into the building design, equipment use, and transportation. As such, the proposed project would be consistent with this design element.

Vehicle Miles Traveled. As discussed above, development that does not result in a net increase in existing VMT would be considered to have a less than significant GHG emission impact from transportation sources or should meet a locally adopted SB 743 VMT target. As discussed in the project's Vehicle Miles Traveled Analysis Memorandum (VMT Memo),[25] the VMT per capita of the project is 7.8 percent lower than the regional threshold. As such, based on the City of Chowchilla CEQA Transportation Impact Study Guidelines and methodology described in the VMT Memo, the proposed project does not constitute a significant VMT impact. As such, the proposed project would be consistent with this project design element.

Electric Vehicle Requirements. The final project design element that the proposed project should include to ensure that it is achieving its "fair share" of GHG emission reductions is compliance with EV requirements in the most recently adopted version of the CALGreen Tier 2 measures. It is not yet known whether the proposed project would include EV charging; therefore, implementation of MM GHG-1 would be required to ensure the proposed project would provide EV charging in line with applicable CALGreen Tier 2 requirements. With implementation of MM GHG-1, the proposed project would be consistent with this design element.

MM GHG-1 Prior to issuance of a building permit, the Project Applicant shall present documentation to the satisfaction of the City of Chowchilla that the project shall provide electric vehicle charging capabilities that meet the requirements of the latest version of the California Green Building Standards Code (CALGreen) Tier 2 Voluntary Standards as part of the final project designs.

As demonstrated above, with implementation of MM GHG-1, the proposed project would be consistent with the project design elements related to natural gas, energy, VMT, and EVs, which

[25] LSA. 2025. *Chowchilla Residential Development Project Vehicle Miles Traveled Analysis*. March 28.

demonstrate that the project is achieving its "fair share" of GHG emission reductions. Therefore, the proposed project would not generate substantial GHG emissions.

Consistency with Greenhouse Gas Reduction Plans

An evaluation of the proposed project's consistency with the 2022 Scoping Plan and the MCTC 2022 RTP/SCS is provided below.

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

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

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

The Bay Area Air District's Justification Report established guidance on how individual projects would be consistent with California's long-term climate goals and provides substantial evidence in supporting the use of its thresholds for projects throughout California because the thresholds are designed to meet the State's established GHG reduction goals, including the 2022 Scoping Plan goals. If a project is designed and built to incorporate these design elements related to VMT, natural gas, energy, and EVs, then it would contribute its portion of what is necessary to achieve California's long-term climate goals and an agency reviewing the project under CEQA can conclude that the project would be consistent with the State's 2022 Scoping Plan. As discussed above, with implementation of MM GHG-1, the proposed project would be consistent with the Bay Area Air District's project design elements and would not generate substantial GHG emissions. As analyzed against the thresholds of significance, the proposed project would be contributing its "fair share" of emissions reductions to support long-term State goals of GHG emission reductions and carbon neutrality and would therefore be found to be consistent with regional and State goals and applicable plans for GHG emissions reductions.

2022 Regional Transportation Plan/Sustainable Communities Strategy. The MCTC 2022 RTP/SCS[26] reflects transportation planning for Madera County through 2046. The vision, goals, and policies in the 2022 RTP/SCS are intended to serve as the foundation for both short- and long-term planning and guide implementation activities. The core vision in the 2022 RTP/SCS is to create a region of diverse, safe, resilient, and accessible transportation options that improve the quality of life for all residents by fostering sustainability, equity, a vibrant economy, clean air, and healthy communities. The 2022 RTP/SCS contains transportation projects to help more efficiently distribute population, housing, and employment growth, as well as forecast development that is generally consistent with regional-level General Plan data. The actions in the 2022 RTP/SCS address all transportation modes (e.g., highways, local streets and roads, mass transportation, rail, bicycle, and aviation facilities and services) and consists of short- and long-term activities that address regional transportation needs. While the actions are organized by the five key policy areas, many of them support multiple goals and policies. Some actions are intended to support the SCS and reduce GHG emissions directly, while others are focused on the RTP's broader goals. The 2022 RTP/SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the 2022 RTP/SCS, but provides incentives for consistency for governments and developers.

The proposed project would construct 34 attached single-family residential units at the northeast portion of the project site and 160 multifamily residential units. The RTP is based on a projected population in the Madera region in 2046 of 1.35 million people. Therefore, the proposed project would be well within the forecasted growth for the region and would not interfere with the MCTC's ability to achieve the region's GHG reductions. Furthermore, the proposed project is not regionally significant per *State CEQA Guidelines* Section 15206 (defined as a proposed shopping center or business establishment employing more than 1,000 persons or encompassing more than 500,000 square feet of floor space), and it would not conflict with the 2022 RTP targets because those targets were established and are applicable on a regional level. Therefore, it is anticipated that implementation of the proposed project would not interfere with the MCTC's ability to implement the regional strategies outlined in the 2022 RTP/SCS.

Therefore, with implementation of MM GHG-1, the proposed project would comply with existing State regulations adopted to achieve the overall GHG emissions reduction goals and would be consistent with applicable plans and programs designed to reduce GHG emissions. Therefore, with implementation of MM GHG-1, the proposed project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions of GHGs.

CONCLUSION

Based on the analysis presented above, construction and operational activities associated with the proposed project would not result in the generation of criteria air pollutants that would exceed SJVAPCD thresholds of significance. Implementation of RCM AIR-1 would further reduce construction dust impacts. In addition, with implementation of MM AIR-1, the proposed project is not expected to produce significant emissions that would affect nearby sensitive receptors. The proposed project would also not result in objectionable odors affecting a substantial number of

[26] Madera County Transportation Commission. 2022. Op. cit.

people. With implementation of MM GHG-1, the project would also not result in the emission of substantial GHG emissions. Additionally, the project would not conflict with the GHG emissions reductions objectives embodied in the 2022 Scoping Plan, EO B-30-15, SB 32, AB 197, and 2022 RTP/SCS. Therefore, the proposed project's incremental contribution to cumulative GHG emissions would not be cumulatively considerable.

Attachments: A: Figures
B: CalEEMod Outputs
C: HRA Model Outputs

ATTACHMENT A

FIGURES



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LEGEND

Project Location

FIGURE 1

N

0 950 1900 2850

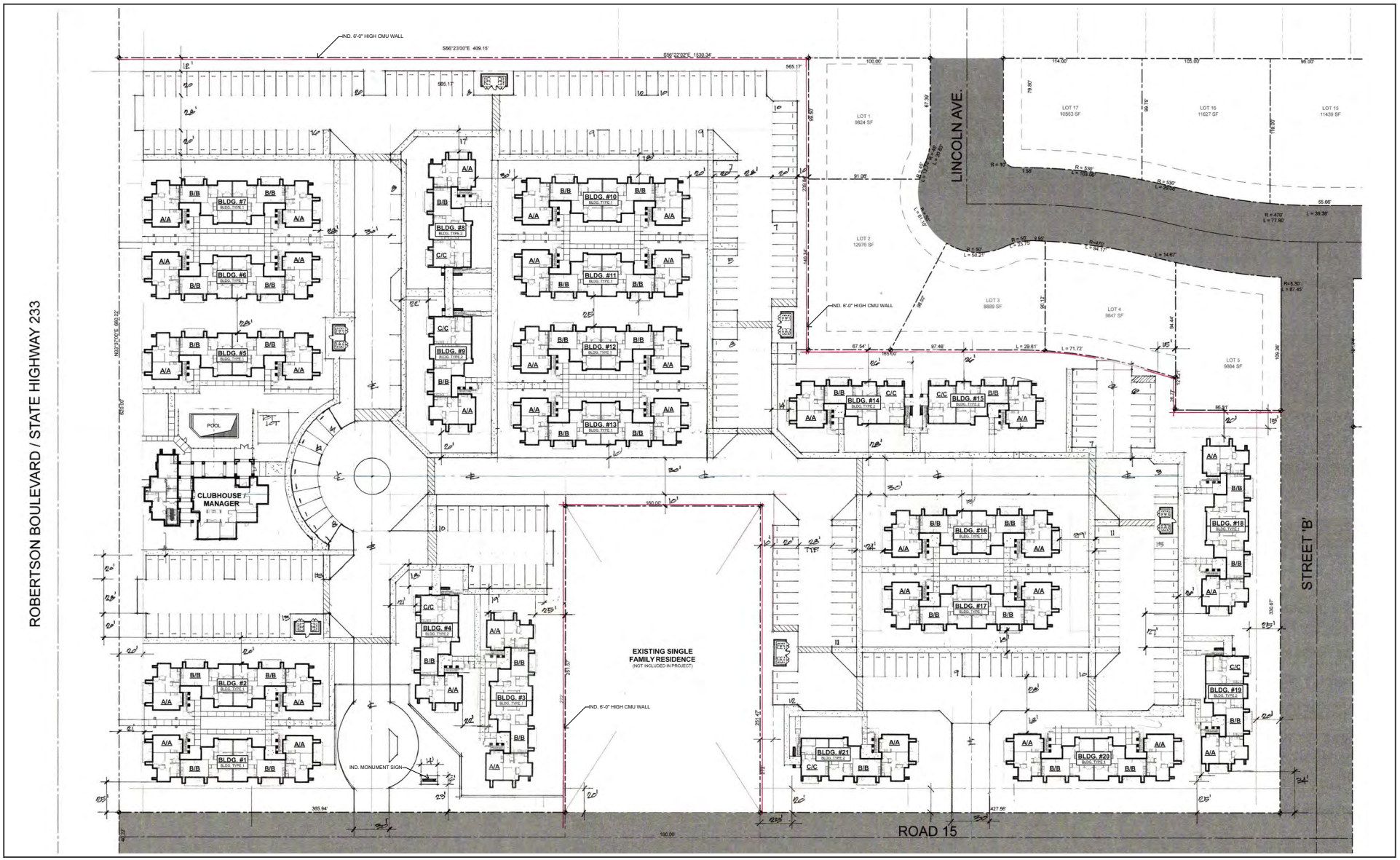
FEET

SOURCE: Google Earth, 2020; ESRI Streetmap, 2021.

Chowchilla Residential Development Project

Regional and Project Location

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LSA

FIGURE 2

Chowchilla Residential Development Project

Site Plan

SOURCE: R.L Davidson, Inc Architects, June, 2024.

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ATTACHMENT B

CALEEMOD OUTPUTS

Chowchilla Residential Project Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Chowchilla Residential Project
Construction Start Date	8/3/2026
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.90000
Precipitation (days)	25.8000
Location	24499 Robertson Blvd, Chowchilla, CA 93610, USA
County	Madera
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2552
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.38

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	34.0000	Dwelling Unit	10.00000	66,300.0	398,237	—	111.000	—

Apartments Low Rise	160.000	Dwelling Unit	8.24000	169,600	0.00000	—	523.000	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-6	Use Diesel Particulate Filters

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.42026	48.8835	36.0105	0.06093	1.36014	7.75402	8.86968	1.23132	3.96053	4.97659	—	6,710.14	6,710.14	0.27119	0.16548	6,734.73
Mit.	1.42026	48.8835	36.0105	0.06093	0.20402	7.75402	7.92137	0.18470	3.96053	4.11294	—	6,710.14	6,710.14	0.27119	0.16548	6,734.73
% Reduced	—	—	—	—	85%	—	11%	85%	—	17%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	73.9638	48.8928	35.9179	0.06093	1.36014	3.68973	5.04987	1.23132	1.44848	2.67980	—	6,698.29	6,698.29	0.27296	0.16549	6,722.53
Mit.	73.9638	48.8928	35.9179	0.06093	0.20402	3.68973	3.89375	0.18470	1.44848	1.63318	—	6,698.29	6,698.29	0.27296	0.16549	6,722.53
% Reduced	—	—	—	—	85%	—	23%	85%	—	39%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.07568	14.2213	12.6672	0.02065	0.49810	0.63519	1.09188	0.46489	0.25621	0.61044	—	2,702.98	2,702.98	0.09229	0.11586	2,741.06
Mit.	4.07568	14.2213	12.6672	0.02065	0.08167	0.63519	0.67758	0.07668	0.25621	0.29511	—	2,702.98	2,702.98	0.09229	0.11586	2,741.06

% Reduced	—	—	—	—	84%	—	38%	84%	—	52%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.74381	2.59539	2.31177	0.00377	0.09090	0.11592	0.19927	0.08484	0.04676	0.11140	—	447.509	447.509	0.01528	0.01918	453.813
Mit.	0.74381	2.59539	2.31177	0.00377	0.01490	0.11592	0.12366	0.01399	0.04676	0.05386	—	447.509	447.509	0.01528	0.01918	453.813
% Reduced	—	—	—	—	84%	—	38%	84%	—	52%	—	—	—	—	—	—

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.42026	48.8835	36.0105	0.06093	1.36014	7.75402	8.86968	1.23132	3.96053	4.97659	—	6,710.14	6,710.14	0.27119	0.05843	6,734.73
2027	1.18060	19.9882	18.4606	0.02925	0.70001	0.86196	1.56197	0.65322	0.21137	0.86459	—	3,887.00	3,887.00	0.12785	0.16548	3,943.63
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.40968	48.8928	35.9179	0.06093	1.36014	3.68973	5.04987	1.23132	1.44848	2.67980	—	6,698.29	6,698.29	0.27296	0.16549	6,722.53
2027	1.11696	20.1069	17.9318	0.02925	0.70001	0.86196	1.56197	0.65322	0.21137	0.86459	—	3,813.70	3,813.70	0.13582	0.16548	3,866.52
2028	73.9638	13.3360	10.9660	0.01395	0.57785	0.12786	0.65310	0.54490	0.02997	0.56254	—	1,582.93	1,582.93	0.06460	0.01593	1,589.29
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.33427	9.01052	7.03778	0.01185	0.27336	0.63519	0.90854	0.25008	0.25621	0.50630	—	1,382.80	1,382.80	0.05295	0.02992	1,393.32
2027	0.79365	14.2213	12.6672	0.02065	0.49810	0.59378	1.09188	0.46489	0.14555	0.61044	—	2,702.98	2,702.98	0.09229	0.11586	2,741.06
2028	4.07568	0.61027	0.53710	0.00067	0.02735	0.00993	0.03728	0.02574	0.00233	0.02807	—	79.3722	79.3722	0.00322	0.00106	79.7813
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	0.06100	1.64442	1.28440	0.00216	0.04989	0.11592	0.16581	0.04564	0.04676	0.09240	—	228.939	228.939	0.00877	0.00495	230.680
2027	0.14484	2.59539	2.31177	0.00377	0.09090	0.10836	0.19927	0.08484	0.02656	0.11140	—	447.509	447.509	0.01528	0.01918	453.813
2028	0.74381	0.11137	0.09802	0.00012	0.00499	0.00181	0.00680	0.00470	0.00042	0.00512	—	13.1410	13.1410	0.00053	0.00017	13.2087

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.33067	48.8399	35.3475	0.06093	1.36014	7.66623	8.78189	1.23132	3.93995	4.95601	—	6,598.58	6,598.58	0.26767	0.05353	6,621.22
2027	0.62027	18.8719	14.3019	0.02340	0.68831	0.00000	0.68831	0.64152	0.00000	0.64152	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.33067	48.8399	35.3475	0.06093	1.36014	3.58940	4.94954	1.23132	1.42496	2.65628	—	6,598.58	6,598.58	0.26767	0.05353	6,621.22
2027	0.62027	18.8719	14.3019	0.02340	0.68831	0.00000	0.68831	0.64152	0.00000	0.64152	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
2028	73.8772	13.3026	10.6002	0.01395	0.57785	0.00000	0.57785	0.54490	0.00000	0.54490	—	1,511.03	1,511.03	0.06129	0.01226	1,516.22
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.25580	8.83650	6.46785	0.01106	0.27173	0.51211	0.78384	0.24845	0.22613	0.47458	—	1,175.50	1,175.50	0.04768	0.00954	1,179.53
2027	0.44120	13.3927	10.1577	0.01656	0.48992	0.00000	0.48992	0.45671	0.00000	0.45671	—	1,698.33	1,698.33	0.06889	0.01378	1,704.16
2028	4.06871	0.60628	0.48840	0.00067	0.02735	0.00000	0.02735	0.02574	0.00000	0.02574	—	69.4131	69.4131	0.00282	0.00056	69.6513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.04668	1.61266	1.18038	0.00202	0.04959	0.09346	0.14305	0.04534	0.04127	0.08661	—	194.617	194.617	0.00789	0.00158	195.285
2027	0.08052	2.44417	1.85378	0.00302	0.08941	0.00000	0.08941	0.08335	0.00000	0.08335	—	281.178	281.178	0.01141	0.00228	282.143
2028	0.74254	0.11065	0.08913	0.00012	0.00499	0.00000	0.00499	0.00470	0.00000	0.00470	—	11.4921	11.4921	0.00047	0.00009	11.5316

2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.08960	0.21920	0.66293	0.00106	0.00304	0.11789	0.12093	0.00304	0.02931	0.03235	—	239.605	239.605	0.00401	0.02867	248.913
2027	0.56032	1.11633	4.15876	0.00585	0.01170	0.86196	0.87366	0.01170	0.21137	0.22307	—	1,489.92	1,489.92	0.03061	0.14604	1,538.33
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.52524	1.30342	3.92689	0.00585	0.01170	0.86196	0.87366	0.01170	0.21137	0.22307	—	1,445.75	1,445.75	0.04140	0.14604	1,490.43
2027	0.49669	1.23506	3.62992	0.00585	0.01170	0.86196	0.87366	0.01170	0.21137	0.22307	—	1,416.62	1,416.62	0.03859	0.14604	1,461.21
2028	0.08659	0.05670	0.62153	0.00000	0.00000	0.12786	0.12786	0.00000	0.02997	0.02997	—	122.164	122.164	0.00562	0.00624	124.174
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.07847	0.17402	0.56993	0.00079	0.00163	0.12308	0.12471	0.00163	0.03008	0.03171	—	207.304	207.304	0.00526	0.02038	213.790
2027	0.35245	0.82861	2.50955	0.00409	0.00818	0.59378	0.60196	0.00818	0.14555	0.15372	—	1,004.65	1,004.65	0.02340	0.10208	1,036.90
2028	0.00697	0.00399	0.04870	0.00000	0.00000	0.00993	0.00993	0.00000	0.00233	0.00233	—	9.95908	9.95908	0.00040	0.00049	10.1299
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01432	0.03176	0.10401	0.00014	0.00030	0.02246	0.02276	0.00030	0.00549	0.00579	—	34.3215	34.3215	0.00087	0.00337	35.3954
2027	0.06432	0.15122	0.45799	0.00075	0.00149	0.10836	0.10986	0.00149	0.02656	0.02805	—	166.331	166.331	0.00387	0.01690	171.671
2028	0.00127	0.00073	0.00889	0.00000	0.00000	0.00181	0.00181	0.00000	0.00042	0.00042	—	1.64884	1.64884	0.00007	0.00008	1.67712

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.42026	48.8835	36.0105	0.06093	0.20402	7.75402	7.92137	0.18470	3.96053	4.11294	—	6,710.14	6,710.14	0.27119	0.05843	6,734.73
2027	1.18060	19.9882	18.4606	0.02925	0.11495	0.86196	0.97691	0.10793	0.21137	0.31930	—	3,887.00	3,887.00	0.12785	0.16548	3,943.63

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.40968	48.8928	35.9179	0.06093	0.20402	3.68973	3.89375	0.18470	1.44848	1.63318	—	6,698.29	6,698.29	0.27296	0.16549	6,722.53
2027	1.11696	20.1069	17.9318	0.02925	0.11495	0.86196	0.97691	0.10793	0.21137	0.31930	—	3,813.70	3,813.70	0.13582	0.16548	3,866.52
2028	73.9638	13.3360	10.9660	0.01395	0.08668	0.12786	0.16192	0.08173	0.02997	0.09937	—	1,582.93	1,582.93	0.06460	0.01593	1,589.29
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.33427	9.01052	7.03778	0.01185	0.04239	0.63519	0.67758	0.03890	0.25621	0.29511	—	1,382.80	1,382.80	0.05295	0.02992	1,393.32
2027	0.79365	14.2213	12.6672	0.02065	0.08167	0.59378	0.67544	0.07668	0.14555	0.22223	—	2,702.98	2,702.98	0.09229	0.11586	2,741.06
2028	4.07568	0.61027	0.53710	0.00067	0.00410	0.00993	0.01403	0.00386	0.00233	0.00619	—	79.3722	79.3722	0.00322	0.00106	79.7813
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.06100	1.64442	1.28440	0.00216	0.00774	0.11592	0.12366	0.00710	0.04676	0.05386	—	228.939	228.939	0.00877	0.00495	230.680
2027	0.14484	2.59539	2.31177	0.00377	0.01490	0.10836	0.12327	0.01399	0.02656	0.04056	—	447.509	447.509	0.01528	0.01918	453.813
2028	0.74381	0.11137	0.09802	0.00012	0.00075	0.00181	0.00256	0.00070	0.00042	0.00113	—	13.1410	13.1410	0.00053	0.00017	13.2087

2.2.5. Onsite Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.33067	48.8399	35.3475	0.06093	0.20402	7.66623	7.83358	0.18470	3.93995	4.09236	—	6,598.58	6,598.58	0.26767	0.05353	6,621.22
2027	0.62027	18.8719	14.3019	0.02340	0.10325	0.00000	0.10325	0.09623	0.00000	0.09623	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.33067	48.8399	35.3475	0.06093	0.20402	3.58940	3.79342	0.18470	1.42496	1.60966	—	6,598.58	6,598.58	0.26767	0.05353	6,621.22
2027	0.62027	18.8719	14.3019	0.02340	0.10325	0.00000	0.10325	0.09623	0.00000	0.09623	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
2028	73.8772	13.3026	10.6002	0.01395	0.08668	0.00000	0.08668	0.08173	0.00000	0.08173	—	1,511.03	1,511.03	0.06129	0.01226	1,516.22

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.25580	8.83650	6.46785	0.01106	0.04076	0.51211	0.55287	0.03727	0.22613	0.26340	—	1,175.50	1,175.50	0.04768	0.00954	1,179.53
2027	0.44120	13.3927	10.1577	0.01656	0.07349	0.00000	0.07349	0.06851	0.00000	0.06851	—	1,698.33	1,698.33	0.06889	0.01378	1,704.16
2028	4.06871	0.60628	0.48840	0.00067	0.00410	0.00000	0.00410	0.00386	0.00000	0.00386	—	69.4131	69.4131	0.00282	0.00056	69.6513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.04668	1.61266	1.18038	0.00202	0.00744	0.09346	0.10090	0.00680	0.04127	0.04807	—	194.617	194.617	0.00789	0.00158	195.285
2027	0.08052	2.44417	1.85378	0.00302	0.01341	0.00000	0.01341	0.01250	0.00000	0.01250	—	281.178	281.178	0.01141	0.00228	282.143
2028	0.74254	0.11065	0.08913	0.00012	0.00075	0.00000	0.00075	0.00070	0.00000	0.00070	—	11.4921	11.4921	0.00047	0.00009	11.5316

2.2.6. Offsite Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.08960	0.21920	0.66293	0.00106	0.00304	0.11789	0.12093	0.00304	0.02931	0.03235	—	239.605	239.605	0.00401	0.02867	248.913
2027	0.56032	1.11633	4.15876	0.00585	0.01170	0.86196	0.87366	0.01170	0.21137	0.22307	—	1,489.92	1,489.92	0.03061	0.14604	1,538.33
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.52524	1.30342	3.92689	0.00585	0.01170	0.86196	0.87366	0.01170	0.21137	0.22307	—	1,445.75	1,445.75	0.04140	0.14604	1,490.43
2027	0.49669	1.23506	3.62992	0.00585	0.01170	0.86196	0.87366	0.01170	0.21137	0.22307	—	1,416.62	1,416.62	0.03859	0.14604	1,461.21
2028	0.08659	0.05670	0.62153	0.00000	0.00000	0.12786	0.12786	0.00000	0.02997	0.02997	—	122.164	122.164	0.00562	0.00624	124.174
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.07847	0.17402	0.56993	0.00079	0.00163	0.12308	0.12471	0.00163	0.03008	0.03171	—	207.304	207.304	0.00526	0.02038	213.790
2027	0.35245	0.82861	2.50955	0.00409	0.00818	0.59378	0.60196	0.00818	0.14555	0.15372	—	1,004.65	1,004.65	0.02340	0.10208	1,036.90
2028	0.00697	0.00399	0.04870	0.00000	0.00000	0.00993	0.00993	0.00000	0.00233	0.00233	—	9.95908	9.95908	0.00040	0.00049	10.1299
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	0.01432	0.03176	0.10401	0.00014	0.00030	0.02246	0.02276	0.00030	0.00549	0.00579	—	34.3215	34.3215	0.00087	0.00337	35.3954
2027	0.06432	0.15122	0.45799	0.00075	0.00149	0.10836	0.10986	0.00149	0.02656	0.02805	—	166.331	166.331	0.00387	0.01690	171.671
2028	0.00127	0.00073	0.00889	0.00000	0.00000	0.00181	0.00181	0.00000	0.00042	0.00042	—	1.64884	1.64884	0.00007	0.00008	1.67712

2.3. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.0085	6.09081	92.7345	0.24046	6.34376	7.92137	14.2651	6.10544	2.00897	8.11441	1,150.63	10,578.9	11,729.6	15.0583	0.53965	12,298.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.3983	6.71327	77.6555	0.23263	6.33866	7.92137	14.2600	6.10162	2.00897	8.11059	1,150.63	9,805.89	10,956.5	15.1141	0.57435	11,508.0
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2199	5.87968	48.7434	0.12410	1.49519	7.79028	9.28547	1.43751	1.97620	3.41371	333.184	10,022.5	10,355.6	11.2629	0.55671	10,817.7
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.23013	1.07304	8.89566	0.02265	0.27287	1.42173	1.69460	0.26235	0.36066	0.62300	55.1623	1,659.33	1,714.49	1.86471	0.09217	1,790.99

2.4. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.77492	5.27229	37.9224	0.09712	0.08849	7.92137	8.00986	0.08359	2.00897	2.09257	—	9,911.84	9,911.84	0.35811	0.48961	10,096.5
Area	11.2336	0.81852	54.8121	0.14334	6.25527	—	6.25527	6.02185	—	6.02185	1,054.30	29.4273	1,083.73	4.92989	0.00024	1,207.05

Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	617.072	617.072	0.09983	0.01210	623.174
Water	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Waste	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952
Total	17.0085	6.09081	92.7345	0.24046	6.34376	7.92137	14.2651	6.10544	2.00897	8.11441	1,150.63	10,578.9	11,729.6	15.0583	0.53965	12,298.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.12396	5.99897	33.8690	0.08977	0.08855	7.92137	8.00992	0.08365	2.00897	2.09262	—	9,168.21	9,168.21	0.41518	0.52455	9,335.68
Area	10.2743	0.71430	43.7865	0.14286	6.25011	—	6.25011	6.01797	—	6.01797	1,054.30	0.00000	1,054.30	4.92866	0.00000	1,177.52
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	617.072	617.072	0.09983	0.01210	623.174
Water	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Waste	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952
Total	15.3983	6.71327	77.6555	0.23263	6.33866	7.92137	14.2600	6.10162	2.00897	8.11059	1,150.63	9,805.89	10,956.5	15.1141	0.57435	11,508.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.21088	5.66781	33.4691	0.09177	0.08852	7.79028	7.87879	0.08362	1.97620	2.05982	—	9,370.26	9,370.26	0.38479	0.50679	9,543.80
Area	7.00903	0.21187	15.2743	0.03233	1.40668	—	1.40668	1.35390	—	1.35390	236.857	14.5121	251.370	1.10787	0.00012	279.102
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	617.072	617.072	0.09983	0.01210	623.174
Water	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Waste	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952
Total	12.2199	5.87968	48.7434	0.12410	1.49519	7.79028	9.28547	1.43751	1.97620	3.41371	333.184	10,022.5	10,355.6	11.2629	0.55671	10,817.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.95099	1.03437	6.10811	0.01675	0.01615	1.42173	1.43788	0.01526	0.36066	0.37592	—	1,551.35	1,551.35	0.06371	0.08391	1,580.08
Area	1.27915	0.03867	2.78755	0.00590	0.25672	—	0.25672	0.24709	—	0.24709	39.2145	2.40264	41.6171	0.18342	0.00002	46.2085
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	102.163	102.163	0.01653	0.00200	103.174
Water	—	—	—	—	—	—	—	—	—	—	2.53437	3.41120	5.94557	0.26042	0.00624	14.3160

Waste	—	—	—	—	—	—	—	—	—	—	13.4135	0.00000	13.4135	1.34063	0.00000	46.9293
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27972
Total	2.23013	1.07304	8.89566	0.02265	0.27287	1.42173	1.69460	0.26235	0.36066	0.62300	55.1623	1,659.33	1,714.49	1.86471	0.09217	1,790.99

2.5. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.77492	5.27229	37.9224	0.09712	0.08849	7.92137	8.00986	0.08359	2.00897	2.09257	—	9,911.84	9,911.84	0.35811	0.48961	10,096.5
Area	11.2336	0.81852	54.8121	0.14334	6.25527	—	6.25527	6.02185	—	6.02185	1,054.30	29.4273	1,083.73	4.92989	0.00024	1,207.05
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	617.072	617.072	0.09983	0.01210	623.174
Water	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Waste	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952
Total	17.0085	6.09081	92.7345	0.24046	6.34376	7.92137	14.2651	6.10544	2.00897	8.11441	1,150.63	10,578.9	11,729.6	15.0583	0.53965	12,298.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.12396	5.99897	33.8690	0.08977	0.08855	7.92137	8.00992	0.08365	2.00897	2.09262	—	9,168.21	9,168.21	0.41518	0.52455	9,335.68
Area	10.2743	0.71430	43.7865	0.14286	6.25011	—	6.25011	6.01797	—	6.01797	1,054.30	0.00000	1,054.30	4.92866	0.00000	1,177.52
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	617.072	617.072	0.09983	0.01210	623.174
Water	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Waste	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952
Total	15.3983	6.71327	77.6555	0.23263	6.33866	7.92137	14.2600	6.10162	2.00897	8.11059	1,150.63	9,805.89	10,956.5	15.1141	0.57435	11,508.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.21088	5.66781	33.4691	0.09177	0.08852	7.79028	7.87879	0.08362	1.97620	2.05982	—	9,370.26	9,370.26	0.38479	0.50679	9,543.80

Area	7.00903	0.21187	15.2743	0.03233	1.40668	—	1.40668	1.35390	—	1.35390	236.857	14.5121	251.370	1.10787	0.00012	279.102
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	617.072	617.072	0.09983	0.01210	623.174
Water	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Waste	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952
Total	12.2199	5.87968	48.7434	0.12410	1.49519	7.79028	9.28547	1.43751	1.97620	3.41371	333.184	10,022.5	10,355.6	11.2629	0.55671	10,817.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.95099	1.03437	6.10811	0.01675	0.01615	1.42173	1.43788	0.01526	0.36066	0.37592	—	1,551.35	1,551.35	0.06371	0.08391	1,580.08
Area	1.27915	0.03867	2.78755	0.00590	0.25672	—	0.25672	0.24709	—	0.24709	39.2145	2.40264	41.6171	0.18342	0.00002	46.2085
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	102.163	102.163	0.01653	0.00200	103.174
Water	—	—	—	—	—	—	—	—	—	—	2.53437	3.41120	5.94557	0.26042	0.00624	14.3160
Waste	—	—	—	—	—	—	—	—	—	—	13.4135	0.00000	13.4135	1.34063	0.00000	46.9293
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27972
Total	2.23013	1.07304	8.89566	0.02265	0.27287	1.42173	1.69460	0.26235	0.36066	0.62300	55.1623	1,659.33	1,714.49	1.86471	0.09217	1,790.99

3. Construction Emissions Details

3.1. Demolition (2026)

3.1.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71875	24.9439	18.1730	0.03253	0.78767	—	0.78767	0.71292	—	0.71292	—	3,426.59	3,426.59	0.13900	0.02780	3,438.35
Demolition	—	—	—	—	—	0.12878	0.12878	—	0.01950	0.01950	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03938	1.36679	0.99578	0.00178	0.04316	—	0.04316	0.03906	—	0.03906	—	187.759	187.759	0.00762	0.00152	188.403
Demolition	—	—	—	—	—	0.00706	0.00706	—	0.00107	0.00107	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00719	0.24944	0.18173	0.00033	0.00788	—	0.00788	0.00713	—	0.00713	—	31.0856	31.0856	0.00126	0.00025	31.1922
Demolition	—	—	—	—	—	0.00129	0.00129	—	0.00020	0.00020	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06720	0.03271	0.49720	0.00000	0.00000	0.07525	0.07525	0.00000	0.01764	0.01764	—	83.6751	83.6751	0.00265	0.00367	85.1299
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00294	0.18650	0.03762	0.00106	0.00304	0.04264	0.04568	0.00304	0.01167	0.01472	—	155.930	155.930	0.00137	0.02500	163.783
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00328	0.00198	0.02312	0.00000	0.00000	0.00405	0.00405	0.00000	0.00095	0.00095	—	4.22995	4.22995	0.00018	0.00020	4.30139
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00016	0.01066	0.00208	0.00006	0.00017	0.00231	0.00247	0.00017	0.00063	0.00080	—	8.54671	8.54671	0.00008	0.00137	8.96552
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00060	0.00036	0.00422	0.00000	0.00000	0.00074	0.00074	0.00000	0.00017	0.00017	—	0.70032	0.70032	0.00003	0.00003	0.71215
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00003	0.00195	0.00038	0.00001	0.00003	0.00042	0.00045	0.00003	0.00012	0.00015	—	1.41501	1.41501	0.00001	0.00023	1.48434

3.1.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71875	24.9439	18.1730	0.03253	0.11815	—	0.11815	0.10694	—	0.10694	—	3,426.59	3,426.59	0.13900	0.02780	3,438.35
Demolition	—	—	—	—	—	0.12878	0.12878	—	0.01950	0.01950	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03938	1.36679	0.99578	0.00178	0.00647	—	0.00647	0.00586	—	0.00586	—	187.759	187.759	0.00762	0.00152	188.403
Demolition	—	—	—	—	—	0.00706	0.00706	—	0.00107	0.00107	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00719	0.24944	0.18173	0.00033	0.00118	—	0.00118	0.00107	—	0.00107	—	31.0856	31.0856	0.00126	0.00025	31.1922
Demolition	—	—	—	—	—	0.00129	0.00129	—	0.00020	0.00020	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06720	0.03271	0.49720	0.00000	0.00000	0.07525	0.07525	0.00000	0.01764	0.01764	—	83.6751	83.6751	0.00265	0.00367	85.1299
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00294	0.18650	0.03762	0.00106	0.00304	0.04264	0.04568	0.00304	0.01167	0.01472	—	155.930	155.930	0.00137	0.02500	163.783
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00328	0.00198	0.02312	0.00000	0.00000	0.00405	0.00405	0.00000	0.00095	0.00095	—	4.22995	4.22995	0.00018	0.00020	4.30139
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00016	0.01066	0.00208	0.00006	0.00017	0.00231	0.00247	0.00017	0.00063	0.00080	—	8.54671	8.54671	0.00008	0.00137	8.96552
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00060	0.00036	0.00422	0.00000	0.00000	0.00074	0.00074	0.00000	0.00017	0.00017	—	0.70032	0.70032	0.00003	0.00003	0.71215
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00003	0.00195	0.00038	0.00001	0.00003	0.00042	0.00045	0.00003	0.00012	0.00015	—	1.41501	1.41501	0.00001	0.00023	1.48434

3.2. Site Preparation (2026)

3.2.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07181	39.8532	28.3078	0.04890	1.11566	—	1.11566	1.01606	—	1.01606	—	5,297.94	5,297.94	0.21491	0.04298	5,316.12
Dust From Material Movement	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02936	1.09187	0.77556	0.00134	0.03057	—	0.03057	0.02784	—	0.02784	—	145.149	145.149	0.00589	0.00118	145.647
Dust From Material Movement	—	—	—	—	—	0.21003	0.21003	—	0.10794	0.10794	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00536	0.19927	0.14154	0.00024	0.00558	—	0.00558	0.00508	—	0.00508	—	24.0311	24.0311	0.00097	0.00019	24.1135
Dust From Material Movement	—	—	—	—	—	0.03833	0.03833	—	0.01970	0.01970	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07840	0.03816	0.58006	0.00000	0.00000	0.08779	0.08779	0.00000	0.02058	0.02058	—	97.6209	97.6209	0.00309	0.00428	99.3182
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00192	0.00115	0.01349	0.00000	0.00000	0.00237	0.00237	0.00000	0.00055	0.00055	—	2.46747	2.46747	0.00011	0.00012	2.50915
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00035	0.00021	0.00246	0.00000	0.00000	0.00043	0.00043	0.00000	0.00010	0.00010	—	0.40852	0.40852	0.00002	0.00002	0.41542
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.07181	39.8532	28.3078	0.04890	0.16735	—	0.16735	0.15241	—	0.15241	—	5,297.94	5,297.94	0.21491	0.04298	5,316.12
Dust From Material Movement	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02936	1.09187	0.77556	0.00134	0.00458	—	0.00458	0.00418	—	0.00418	—	145.149	145.149	0.00589	0.00118	145.647
Dust From Material Movement	—	—	—	—	—	0.21003	0.21003	—	0.10794	0.10794	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00536	0.19927	0.14154	0.00024	0.00084	—	0.00084	0.00076	—	0.00076	—	24.0311	24.0311	0.00097	0.00019	24.1135
Dust From Material Movement	—	—	—	—	—	0.03833	0.03833	—	0.01970	0.01970	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07840	0.03816	0.58006	0.00000	0.00000	0.08779	0.08779	0.00000	0.02058	0.02058	—	97.6209	97.6209	0.00309	0.00428	99.3182
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00192	0.00115	0.01349	0.00000	0.00000	0.00237	0.00237	0.00000	0.00055	0.00055	—	2.46747	2.46747	0.00011	0.00012	2.50915
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00035	0.00021	0.00246	0.00000	0.00000	0.00043	0.00043	0.00000	0.00010	0.00010	—	0.40852	0.40852	0.00002	0.00002	0.41542
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Grading (2026)

3.3.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33067	48.8399	35.3475	0.06093	1.36014	—	1.36014	1.23132	—	1.23132	—	6,598.58	6,598.58	0.26767	0.05353	6,621.22

Dust From Material Movement	—	—	—	—	—	3.58940	3.58940	—	1.42496	1.42496	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33067	48.8399	35.3475	0.06093	1.36014	—	1.36014	1.23132	—	1.23132	—	6,598.58	6,598.58	0.26767	0.05353	6,621.22
Dust From Material Movement	—	—	—	—	—	3.58940	3.58940	—	1.42496	1.42496	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10937	4.01424	2.90528	0.00501	0.11179	—	0.11179	0.10120	—	0.10120	—	542.349	542.349	0.02200	0.00440	544.210
Dust From Material Movement	—	—	—	—	—	0.29502	0.29502	—	0.11712	0.11712	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01996	0.73260	0.53021	0.00091	0.02040	—	0.02040	0.01847	—	0.01847	—	89.7920	89.7920	0.00364	0.00073	90.1002
Dust From Material Movement	—	—	—	—	—	0.05384	0.05384	—	0.02137	0.02137	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08960	0.04361	0.66293	0.00000	0.00000	0.10033	0.10033	0.00000	0.02352	0.02352	—	111.567	111.567	0.00353	0.00489	113.507
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07901	0.05296	0.57038	0.00000	0.00000	0.10033	0.10033	0.00000	0.02352	0.02352	—	99.7124	99.7124	0.00529	0.00489	101.313
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00657	0.00395	0.04624	0.00000	0.00000	0.00811	0.00811	0.00000	0.00190	0.00190	—	8.45991	8.45991	0.00036	0.00040	8.60279
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00120	0.00072	0.00844	0.00000	0.00000	0.00148	0.00148	0.00000	0.00035	0.00035	—	1.40063	1.40063	0.00006	0.00007	1.42429
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33067	48.8399	35.3475	0.06093	0.20402	—	0.20402	0.18470	—	0.18470	—	6,598.58	6,598.58	0.26767	0.05353	6,621.22
Dust From Material Movement	—	—	—	—	—	3.58940	3.58940	—	1.42496	1.42496	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33067	48.8399	35.3475	0.06093	0.20402	—	0.20402	0.18470	—	0.18470	—	6,598.58	6,598.58	0.26767	0.05353	6,621.22
Dust From Material Movement	—	—	—	—	—	3.58940	3.58940	—	1.42496	1.42496	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10937	4.01424	2.90528	0.00501	0.01677	—	0.01677	0.01518	—	0.01518	—	542.349	542.349	0.02200	0.00440	544.210
Dust From Material Movement	—	—	—	—	—	0.29502	0.29502	—	0.11712	0.11712	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01996	0.73260	0.53021	0.00091	0.00306	—	0.00306	0.00277	—	0.00277	—	89.7920	89.7920	0.00364	0.00073	90.1002

Dust From Material Movement	—	—	—	—	—	0.05384	0.05384	—	0.02137	0.02137	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08960	0.04361	0.66293	0.00000	0.00000	0.10033	0.10033	0.00000	0.02352	0.02352	—	111.567	111.567	0.00353	0.00489	113.507
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07901	0.05296	0.57038	0.00000	0.00000	0.10033	0.10033	0.00000	0.02352	0.02352	—	99.7124	99.7124	0.00529	0.00489	101.313
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00657	0.00395	0.04624	0.00000	0.00000	0.00811	0.00811	0.00000	0.00190	0.00190	—	8.45991	8.45991	0.00036	0.00040	8.60279
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00120	0.00072	0.00844	0.00000	0.00000	0.00148	0.00148	0.00000	0.00035	0.00035	—	1.40063	1.40063	0.00006	0.00007	1.42429
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Building Construction (2026)

3.4.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62027	18.8719	14.3019	0.02340	0.68831	—	0.68831	0.64152	—	0.64152	—	2,397.24	2,397.24	0.09724	0.01945	2,405.47
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07769	2.36360	1.79123	0.00293	0.08621	—	0.08621	0.08035	—	0.08035	—	300.241	300.241	0.01218	0.00244	301.272
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01418	0.43136	0.32690	0.00053	0.01573	—	0.01573	0.01466	—	0.01466	—	49.7084	49.7084	0.00202	0.00040	49.8790
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50348	0.33743	3.63446	0.00000	0.00000	0.63929	0.63929	0.00000	0.14985	0.14985	—	635.368	635.368	0.03371	0.03119	645.569
Vendor	0.02176	0.96599	0.29243	0.00585	0.01170	0.22267	0.23437	0.01170	0.06152	0.07322	—	810.387	810.387	0.00768	0.11485	844.858
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06376	0.03836	0.44900	0.00000	0.00000	0.07874	0.07874	0.00000	0.01844	0.01844	—	82.1433	82.1433	0.00352	0.00391	83.5306
Vendor	0.00278	0.11793	0.03600	0.00073	0.00147	0.02750	0.02896	0.00147	0.00761	0.00907	—	101.456	101.456	0.00102	0.01438	105.881
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01164	0.00700	0.08194	0.00000	0.00000	0.01437	0.01437	0.00000	0.00336	0.00336	—	13.5998	13.5998	0.00058	0.00065	13.8294
Vendor	0.00051	0.02152	0.00657	0.00013	0.00027	0.00502	0.00529	0.00027	0.00139	0.00166	—	16.7973	16.7973	0.00017	0.00238	17.5297
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62027	18.8719	14.3019	0.02340	0.10325	—	0.10325	0.09623	—	0.09623	—	2,397.24	2,397.24	0.09724	0.01945	2,405.47
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07769	2.36360	1.79123	0.00293	0.01293	—	0.01293	0.01205	—	0.01205	—	300.241	300.241	0.01218	0.00244	301.272
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01418	0.43136	0.32690	0.00053	0.00236	—	0.00236	0.00220	—	0.00220	—	49.7084	49.7084	0.00202	0.00040	49.8790
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50348	0.33743	3.63446	0.00000	0.00000	0.63929	0.63929	0.00000	0.14985	0.14985	—	635.368	635.368	0.03371	0.03119	645.569
Vendor	0.02176	0.96599	0.29243	0.00585	0.01170	0.22267	0.23437	0.01170	0.06152	0.07322	—	810.387	810.387	0.00768	0.11485	844.858
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06376	0.03836	0.44900	0.00000	0.00000	0.07874	0.07874	0.00000	0.01844	0.01844	—	82.1433	82.1433	0.00352	0.00391	83.5306
Vendor	0.00278	0.11793	0.03600	0.00073	0.00147	0.02750	0.02896	0.00147	0.00761	0.00907	—	101.456	101.456	0.00102	0.01438	105.881
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01164	0.00700	0.08194	0.00000	0.00000	0.01437	0.01437	0.00000	0.00336	0.00336	—	13.5998	13.5998	0.00058	0.00065	13.8294
Vendor	0.00051	0.02152	0.00657	0.00013	0.00027	0.00502	0.00529	0.00027	0.00139	0.00166	—	16.7973	16.7973	0.00017	0.00238	17.5297
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Building Construction (2027)

3.5.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62027	18.8719	14.3019	0.02340	0.68831	—	0.68831	0.64152	—	0.64152	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62027	18.8719	14.3019	0.02340	0.68831	—	0.68831	0.64152	—	0.64152	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43334	13.1845	9.99172	0.01635	0.48087	—	0.48087	0.44818	—	0.44818	—	1,674.67	1,674.67	0.06793	0.01359	1,680.42
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07908	2.40617	1.82349	0.00298	0.08776	—	0.08776	0.08179	—	0.08179	—	277.261	277.261	0.01125	0.00225	278.212
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53719	0.25230	3.88901	0.00000	0.00000	0.63929	0.63929	0.00000	0.14985	0.14985	—	696.711	696.711	0.02248	0.03119	708.842
Vendor	0.02313	0.86403	0.26975	0.00585	0.01170	0.22267	0.23437	0.01170	0.06152	0.07322	—	793.208	793.208	0.00814	0.11485	829.487
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.47538	0.31186	3.35688	0.00000	0.00000	0.63929	0.63929	0.00000	0.14985	0.14985	—	622.852	622.852	0.03091	0.03119	632.977
Vendor	0.02131	0.92319	0.27304	0.00585	0.01170	0.22267	0.23437	0.01170	0.06152	0.07322	—	793.770	793.770	0.00768	0.11485	828.235
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33604	0.19609	2.31243	0.00000	0.00000	0.43923	0.43923	0.00000	0.10284	0.10284	—	449.143	449.143	0.01767	0.02179	456.764
Vendor	0.01552	0.63200	0.19101	0.00409	0.00818	0.15339	0.16157	0.00818	0.04244	0.05061	—	554.321	554.321	0.00569	0.08024	578.931
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06133	0.03579	0.42202	0.00000	0.00000	0.08016	0.08016	0.00000	0.01877	0.01877	—	74.3607	74.3607	0.00292	0.00361	75.6226
Vendor	0.00283	0.11534	0.03486	0.00075	0.00149	0.02799	0.02949	0.00149	0.00774	0.00924	—	91.7742	91.7742	0.00094	0.01328	95.8486
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62027	18.8719	14.3019	0.02340	0.10325	—	0.10325	0.09623	—	0.09623	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62027	18.8719	14.3019	0.02340	0.10325	—	0.10325	0.09623	—	0.09623	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43334	13.1845	9.99172	0.01635	0.07213	—	0.07213	0.06723	—	0.06723	—	1,674.67	1,674.67	0.06793	0.01359	1,680.42
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07908	2.40617	1.82349	0.00298	0.01316	—	0.01316	0.01227	—	0.01227	—	277.261	277.261	0.01125	0.00225	278.212
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53719	0.25230	3.88901	0.00000	0.00000	0.63929	0.63929	0.00000	0.14985	0.14985	—	696.711	696.711	0.02248	0.03119	708.842
Vendor	0.02313	0.86403	0.26975	0.00585	0.01170	0.22267	0.23437	0.01170	0.06152	0.07322	—	793.208	793.208	0.00814	0.11485	829.487
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.47538	0.31186	3.35688	0.00000	0.00000	0.63929	0.63929	0.00000	0.14985	0.14985	—	622.852	622.852	0.03091	0.03119	632.977
Vendor	0.02131	0.92319	0.27304	0.00585	0.01170	0.22267	0.23437	0.01170	0.06152	0.07322	—	793.770	793.770	0.00768	0.11485	828.235
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33604	0.19609	2.31243	0.00000	0.00000	0.43923	0.43923	0.00000	0.10284	0.10284	—	449.143	449.143	0.01767	0.02179	456.764
Vendor	0.01552	0.63200	0.19101	0.00409	0.00818	0.15339	0.16157	0.00818	0.04244	0.05061	—	554.321	554.321	0.00569	0.08024	578.931
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06133	0.03579	0.42202	0.00000	0.00000	0.08016	0.08016	0.00000	0.01877	0.01877	—	74.3607	74.3607	0.00292	0.00361	75.6226
Vendor	0.00283	0.11534	0.03486	0.00075	0.00149	0.02799	0.02949	0.00149	0.00774	0.00924	—	91.7742	91.7742	0.00094	0.01328	95.8486
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Paving (2027)

3.6.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.57785	—	0.57785	0.54490	—	0.54490	—	1,511.11	1,511.11	0.06130	0.01226	1,516.29
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00786	0.20826	0.16595	0.00022	0.00905	—	0.00905	0.00853	—	0.00853	—	23.6572	23.6572	0.00096	0.00019	23.7384
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00144	0.03801	0.03029	0.00004	0.00165	—	0.00165	0.00156	—	0.00156	—	3.91673	3.91673	0.00016	0.00003	3.93017
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05595	0.03671	0.39511	0.00000	0.00000	0.07525	0.07525	0.00000	0.01764	0.01764	—	73.3112	73.3112	0.00364	0.00367	74.5029
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00089	0.00052	0.00610	0.00000	0.00000	0.00116	0.00116	0.00000	0.00027	0.00027	—	1.18465	1.18465	0.00005	0.00006	1.20476
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00016	0.00009	0.00111	0.00000	0.00000	0.00021	0.00021	0.00000	0.00005	0.00005	—	0.19613	0.19613	0.00001	0.00001	0.19946

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.08668	—	0.08668	0.08173	—	0.08173	—	1,511.11	1,511.11	0.06130	0.01226	1,516.29
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00786	0.20826	0.16595	0.00022	0.00136	—	0.00136	0.00128	—	0.00128	—	23.6572	23.6572	0.00096	0.00019	23.7384
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00144	0.03801	0.03029	0.00004	0.00025	—	0.00025	0.00023	—	0.00023	—	3.91673	3.91673	0.00016	0.00003	3.93017
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05595	0.03671	0.39511	0.00000	0.00000	0.07525	0.07525	0.00000	0.01764	0.01764	—	73.3112	73.3112	0.00364	0.00367	74.5029
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00089	0.00052	0.00610	0.00000	0.00000	0.00116	0.00116	0.00000	0.00027	0.00027	—	1.18465	1.18465	0.00005	0.00006	1.20476
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00016	0.00009	0.00111	0.00000	0.00000	0.00021	0.00021	0.00000	0.00005	0.00005	—	0.19613	0.19613	0.00001	0.00001	0.19946
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Paving (2028)

3.7.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.57785	—	0.57785	0.54490	—	0.54490	—	1,511.03	1,511.03	0.06129	0.01226	1,516.22
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02064	0.54668	0.43562	0.00057	0.02375	—	0.02375	0.02239	—	0.02239	—	62.0971	62.0971	0.00252	0.00050	62.3102
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00377	0.09977	0.07950	0.00010	0.00433	—	0.00433	0.00409	—	0.00409	—	10.2809	10.2809	0.00042	0.00008	10.3162
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05096	0.03337	0.36578	0.00000	0.00000	0.07525	0.07525	0.00000	0.01764	0.01764	—	71.8950	71.8950	0.00331	0.00367	73.0778
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00214	0.00122	0.01491	0.00000	0.00000	0.00304	0.00304	0.00000	0.00071	0.00071	—	3.04969	3.04969	0.00012	0.00015	3.10201
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00039	0.00022	0.00272	0.00000	0.00000	0.00055	0.00055	0.00000	0.00013	0.00013	—	0.50491	0.50491	0.00002	0.00002	0.51357
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.08668	—	0.08668	0.08173	—	0.08173	—	1,511.03	1,511.03	0.06129	0.01226	1,516.22
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02064	0.54668	0.43562	0.00057	0.00356	—	0.00356	0.00336	—	0.00336	—	62.0971	62.0971	0.00252	0.00050	62.3102
Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00377	0.09977	0.07950	0.00010	0.00065	—	0.00065	0.00061	—	0.00061	—	10.2809	10.2809	0.00042	0.00008	10.3162

Paving	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05096	0.03337	0.36578	0.00000	0.00000	0.07525	0.07525	0.00000	0.01764	0.01764	—	71.8950	71.8950	0.00331	0.00367	73.0778
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00214	0.00122	0.01491	0.00000	0.00000	0.00304	0.00304	0.00000	0.00071	0.00071	—	3.04969	3.04969	0.00012	0.00015	3.10201
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00039	0.00022	0.00272	0.00000	0.00000	0.00055	0.00055	0.00000	0.00013	0.00013	—	0.50491	0.50491	0.00002	0.00002	0.51357
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. Architectural Coating (2028)

3.8.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05168	1.08770	0.96319	0.00173	0.06578	—	0.06578	0.06108	—	0.06108	—	133.517	133.517	0.00542	0.00108	133.975
Architectural Coatings	73.8255	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00283	0.05960	0.05278	0.00009	0.00360	—	0.00360	0.00335	—	0.00335	—	7.31600	7.31600	0.00030	0.00006	7.34111
Architectural Coatings	4.04523	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00052	0.01088	0.00963	0.00002	0.00066	—	0.00066	0.00061	—	0.00061	—	1.21125	1.21125	0.00005	0.00001	1.21540
Architectural Coatings	0.73825	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08659	0.05670	0.62153	0.00000	0.00000	0.12786	0.12786	0.00000	0.02997	0.02997	—	122.164	122.164	0.00562	0.00624	124.174
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00484	0.00276	0.03379	0.00000	0.00000	0.00689	0.00689	0.00000	0.00161	0.00161	—	6.90939	6.90939	0.00028	0.00034	7.02791
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00088	0.00050	0.00617	0.00000	0.00000	0.00126	0.00126	0.00000	0.00029	0.00029	—	1.14393	1.14393	0.00005	0.00006	1.16355
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.3. Onsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05168	1.08770	0.96319	0.00173	0.00987	—	0.00987	0.00916	—	0.00916	—	133.517	133.517	0.00542	0.00108	133.975

Architectural	73.8255	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00283	0.05960	0.05278	0.00009	0.00054	—	0.00054	0.00050	—	0.00050	—	7.31600	7.31600	0.00030	0.00006	7.34111
Architectural Coatings	4.04523	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00052	0.01088	0.00963	0.00002	0.00010	—	0.00010	0.00009	—	0.00009	—	1.21125	1.21125	0.00005	0.00001	1.21540
Architectural Coatings	0.73825	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.4. Offsite - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08659	0.05670	0.62153	0.00000	0.00000	0.12786	0.12786	0.00000	0.02997	0.02997	—	122.164	122.164	0.00562	0.00624	124.174
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00484	0.00276	0.03379	0.00000	0.00000	0.00689	0.00689	0.00000	0.00161	0.00161	—	6.90939	6.90939	0.00028	0.00034	7.02791
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00088	0.00050	0.00617	0.00000	0.00000	0.00126	0.00126	0.00000	0.00029	0.00029	—	1.14393	1.14393	0.00005	0.00006	1.16355
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.06840	0.97540	7.01587	0.01797	0.01637	1.46550	1.48187	0.01547	0.37167	0.38714	—	1,833.75	1,833.75	0.06625	0.09058	1,867.92
Apartments Low Rise	4.70652	4.29688	30.9065	0.07915	0.07212	6.45587	6.52799	0.06813	1.63730	1.70543	—	8,078.09	8,078.09	0.29186	0.39903	8,228.62
Total	5.77492	5.27229	37.9224	0.09712	0.08849	7.92137	8.00986	0.08359	2.00897	2.09257	—	9,911.84	9,911.84	0.35811	0.48961	10,096.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	0.94796	1.10985	6.26596	0.01661	0.01638	1.46550	1.48188	0.01548	0.37167	0.38715	—	1,696.17	1,696.17	0.07681	0.09705	1,727.16
Apartments Low Rise	4.17599	4.88912	27.6030	0.07316	0.07217	6.45587	6.52804	0.06818	1.63730	1.70547	—	7,472.04	7,472.04	0.33837	0.42751	7,608.53
Total	5.12396	5.99897	33.8690	0.08977	0.08855	7.92137	8.00992	0.08365	2.00897	2.09262	—	9,168.21	9,168.21	0.41518	0.52455	9,335.68
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.17594	0.19137	1.13004	0.00310	0.00299	0.26303	0.26602	0.00282	0.06672	0.06955	—	287.010	287.010	0.01179	0.01552	292.325
Apartments Low Rise	0.77505	0.84301	4.97807	0.01365	0.01317	1.15870	1.17186	0.01244	0.29393	0.30637	—	1,264.34	1,264.34	0.05192	0.06838	1,287.76
Total	0.95099	1.03437	6.10811	0.01675	0.01615	1.42173	1.43788	0.01526	0.36066	0.37592	—	1,551.35	1,551.35	0.06371	0.08391	1,580.08

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.06840	0.97540	7.01587	0.01797	0.01637	1.46550	1.48187	0.01547	0.37167	0.38714	—	1,833.75	1,833.75	0.06625	0.09058	1,867.92
Apartments Low Rise	4.70652	4.29688	30.9065	0.07915	0.07212	6.45587	6.52799	0.06813	1.63730	1.70543	—	8,078.09	8,078.09	0.29186	0.39903	8,228.62
Total	5.77492	5.27229	37.9224	0.09712	0.08849	7.92137	8.00986	0.08359	2.00897	2.09257	—	9,911.84	9,911.84	0.35811	0.48961	10,096.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.94796	1.10985	6.26596	0.01661	0.01638	1.46550	1.48188	0.01548	0.37167	0.38715	—	1,696.17	1,696.17	0.07681	0.09705	1,727.16

Apartment Low Rise	4.17599	4.88912	27.6030	0.07316	0.07217	6.45587	6.52804	0.06818	1.63730	1.70547	—	7,472.04	7,472.04	0.33837	0.42751	7,608.53
Total	5.12396	5.99897	33.8690	0.08977	0.08855	7.92137	8.00992	0.08365	2.00897	2.09262	—	9,168.21	9,168.21	0.41518	0.52455	9,335.68
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.17594	0.19137	1.13004	0.00310	0.00299	0.26303	0.26602	0.00282	0.06672	0.06955	—	287.010	287.010	0.01179	0.01552	292.325
Apartments Low Rise	0.77505	0.84301	4.97807	0.01365	0.01317	1.15870	1.17186	0.01244	0.29393	0.30637	—	1,264.34	1,264.34	0.05192	0.06838	1,287.76
Total	0.95099	1.03437	6.10811	0.01675	0.01615	1.42173	1.43788	0.01526	0.36066	0.37592	—	1,551.35	1,551.35	0.06371	0.08391	1,580.08

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	177.596	177.596	0.02873	0.00348	179.352
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	439.476	439.476	0.07110	0.00862	443.822
Total	—	—	—	—	—	—	—	—	—	—	—	617.072	617.072	0.09983	0.01210	623.174
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	177.596	177.596	0.02873	0.00348	179.352

Apartments	—	—	—	—	—	—	—	—	—	—	—	439.476	439.476	0.07110	0.00862	443.822
Total	—	—	—	—	—	—	—	—	—	—	—	617.072	617.072	0.09983	0.01210	623.174
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	29.4030	29.4030	0.00476	0.00058	29.6938
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	72.7603	72.7603	0.01177	0.00143	73.4798
Total	—	—	—	—	—	—	—	—	—	—	—	102.163	102.163	0.01653	0.00200	103.174

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	177.596	177.596	0.02873	0.00348	179.352
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	439.476	439.476	0.07110	0.00862	443.822
Total	—	—	—	—	—	—	—	—	—	—	—	617.072	617.072	0.09983	0.01210	623.174
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	177.596	177.596	0.02873	0.00348	179.352
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	439.476	439.476	0.07110	0.00862	443.822

Total	—	—	—	—	—	—	—	—	—	—	—	617.072	617.072	0.09983	0.01210	623.174
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	29.4030	29.4030	0.00476	0.00058	29.6938
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	72.7603	72.7603	0.01177	0.00143	73.4798
Total	—	—	—	—	—	—	—	—	—	—	—	102.163	102.163	0.01653	0.00200	103.174

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Apartments Low Rise	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Apartments Low Rise	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Apartments Low Rise	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Apartments Low Rise	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Apartments Low Rise	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Apartment Low Rise	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	4.82152	0.71430	43.7865	0.14286	6.25011	—	6.25011	6.01797	—	6.01797	1,054.30	0.00000	1,054.30	4.92866	0.00000	1,177.52
Consumer Products	5.04826	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40452	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.95926	0.10423	11.0256	0.00048	0.00515	—	0.00515	0.00388	—	0.00388	—	29.4273	29.4273	0.00123	0.00024	29.5308
Total	11.2336	0.81852	54.8121	0.14334	6.25527	—	6.25527	6.02185	—	6.02185	1,054.30	29.4273	1,083.73	4.92989	0.00024	1,207.05
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	4.82152	0.71430	43.7865	0.14286	6.25011	—	6.25011	6.01797	—	6.01797	1,054.30	0.00000	1,054.30	4.92866	0.00000	1,177.52
Consumer Products	5.04826	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40452	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	10.2743	0.71430	43.7865	0.14286	6.25011	—	6.25011	6.01797	—	6.01797	1,054.30	0.00000	1,054.30	4.92866	0.00000	1,177.52
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.19768	0.02929	1.79525	0.00586	0.25625	—	0.25625	0.24674	—	0.24674	39.2145	0.00000	39.2145	0.18332	0.00000	43.7974
Consumer Products	0.92131	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07383	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.08633	0.00938	0.99231	0.00004	0.00046	—	0.00046	0.00035	—	0.00035	—	2.40264	2.40264	0.00010	0.00002	2.41110
Total	1.27915	0.03867	2.78755	0.00590	0.25672	—	0.25672	0.24709	—	0.24709	39.2145	2.40264	41.6171	0.18342	0.00002	46.2085

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	4.82152	0.71430	43.7865	0.14286	6.25011	—	6.25011	6.01797	—	6.01797	1,054.30	0.00000	1,054.30	4.92866	0.00000	1,177.52
Consumer Products	5.04826	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40452	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.95926	0.10423	11.0256	0.00048	0.00515	—	0.00515	0.00388	—	0.00388	—	29.4273	29.4273	0.00123	0.00024	29.5308
Total	11.2336	0.81852	54.8121	0.14334	6.25527	—	6.25527	6.02185	—	6.02185	1,054.30	29.4273	1,083.73	4.92989	0.00024	1,207.05

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	4.82152	0.71430	43.7865	0.14286	6.25011	—	6.25011	6.01797	—	6.01797	1,054.30	0.00000	1,054.30	4.92866	0.00000	1,177.52
Consumer Products	5.04826	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40452	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10.2743	0.71430	43.7865	0.14286	6.25011	—	6.25011	6.01797	—	6.01797	1,054.30	0.00000	1,054.30	4.92866	0.00000	1,177.52
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.19768	0.02929	1.79525	0.00586	0.25625	—	0.25625	0.24674	—	0.24674	39.2145	0.00000	39.2145	0.18332	0.00000	43.7974
Consumer Products	0.92131	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07383	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.08633	0.00938	0.99231	0.00004	0.00046	—	0.00046	0.00035	—	0.00035	—	2.40264	2.40264	0.00010	0.00002	2.41110
Total	1.27915	0.03867	2.78755	0.00590	0.25672	—	0.25672	0.24709	—	0.24709	39.2145	2.40264	41.6171	0.18342	0.00002	46.2085

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	2.68280	8.60031	11.2831	0.27648	0.00670	20.1931
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	12.6249	12.0035	24.6285	1.29648	0.03099	66.2765
Total	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	2.68280	8.60031	11.2831	0.27648	0.00670	20.1931
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	12.6249	12.0035	24.6285	1.29648	0.03099	66.2765
Total	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.44417	1.42388	1.86805	0.04577	0.00111	3.34320
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	2.09020	1.98732	4.07752	0.21465	0.00513	10.9728
Total	—	—	—	—	—	—	—	—	—	—	2.53437	3.41120	5.94557	0.26042	0.00624	14.3160

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	2.68280	8.60031	11.2831	0.27648	0.00670	20.1931

Apartment Low Rise	—	—	—	—	—	—	—	—	—	—	12.6249	12.0035	24.6285	1.29648	0.03099	66.2765
Total	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	2.68280	8.60031	11.2831	0.27648	0.00670	20.1931
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	12.6249	12.0035	24.6285	1.29648	0.03099	66.2765
Total	—	—	—	—	—	—	—	—	—	—	15.3077	20.6038	35.9116	1.57296	0.03770	86.4697
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.44417	1.42388	1.86805	0.04577	0.00111	3.34320
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	2.09020	1.98732	4.07752	0.21465	0.00513	10.9728
Total	—	—	—	—	—	—	—	—	—	—	2.53437	3.41120	5.94557	0.26042	0.00624	14.3160

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	17.2696	0.00000	17.2696	1.72604	0.00000	60.4205

Apartments	—	—	—	—	—	—	—	—	—	—	63.7487	0.00000	63.7487	6.37145	0.00000	223.035
Total	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	17.2696	0.00000	17.2696	1.72604	0.00000	60.4205
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	63.7487	0.00000	63.7487	6.37145	0.00000	223.035
Total	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	2.85918	0.00000	2.85918	0.28576	0.00000	10.0033
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	10.5543	0.00000	10.5543	1.05487	0.00000	36.9260
Total	—	—	—	—	—	—	—	—	—	—	13.4135	0.00000	13.4135	1.34063	0.00000	46.9293

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	17.2696	0.00000	17.2696	1.72604	0.00000	60.4205
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	63.7487	0.00000	63.7487	6.37145	0.00000	223.035

Total	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	17.2696	0.00000	17.2696	1.72604	0.00000	60.4205
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	63.7487	0.00000	63.7487	6.37145	0.00000	223.035
Total	—	—	—	—	—	—	—	—	—	—	81.0183	0.00000	81.0183	8.09749	0.00000	283.456
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	2.85918	0.00000	2.85918	0.28576	0.00000	10.0033
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	10.5543	0.00000	10.5543	1.05487	0.00000	36.9260
Total	—	—	—	—	—	—	—	—	—	—	13.4135	0.00000	13.4135	1.34063	0.00000	46.9293

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47484
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.21468

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47484
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.21468
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07862
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20110
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27972

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47484
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.21468
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47484
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.21468
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68952
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07862
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20110
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27972

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	8/3/2026	8/31/2026	5.00000	20.0000	—
Site Preparation	Site Preparation	9/1/2026	9/15/2026	5.00000	10.00000	—
Grading	Grading	9/16/2026	10/28/2026	5.00000	30.0000	—
Building Construction	Building Construction	10/29/2026	12/23/2027	5.00000	300.000	—
Paving	Paving	12/24/2027	1/21/2028	5.00000	20.0000	—
Architectural Coating	Architectural Coating	1/22/2028	2/19/2028	5.00000	20.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 2	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Tier 2	3.00000	8.00000	36.0000	0.38000
Demolition	Concrete/Industrial Saws	Diesel	Tier 2	1.000000	8.00000	33.0000	0.73000
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Tier 2	1.000000	8.00000	148.000	0.41000
Grading	Excavators	Diesel	Tier 2	2.00000	8.00000	36.0000	0.38000
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00000	8.00000	84.0000	0.37000
Grading	Scrapers	Diesel	Tier 2	2.00000	8.00000	423.000	0.48000
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.000000	8.00000	367.000	0.40000
Building Construction	Forklifts	Diesel	Tier 2	3.00000	8.00000	82.0000	0.20000

Building Construction	Generator Sets	Diesel	Tier 2	1.000000	8.00000	14.0000	0.74000
Building Construction	Cranes	Diesel	Tier 2	1.000000	7.00000	367.000	0.29000
Building Construction	Welders	Diesel	Tier 2	1.000000	8.00000	46.0000	0.45000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00000	7.00000	84.0000	0.37000
Paving	Pavers	Diesel	Tier 2	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 2	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 2	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Tier 2	1.000000	6.00000	37.0000	0.48000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 2	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Tier 2	3.00000	8.00000	36.0000	0.38000
Demolition	Concrete/Industrial Saws	Diesel	Tier 2	1.000000	8.00000	33.0000	0.73000
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Tier 2	1.000000	8.00000	148.000	0.41000
Grading	Excavators	Diesel	Tier 2	2.00000	8.00000	36.0000	0.38000
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00000	8.00000	84.0000	0.37000
Grading	Scrapers	Diesel	Tier 2	2.00000	8.00000	423.000	0.48000
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.000000	8.00000	367.000	0.40000
Building Construction	Forklifts	Diesel	Tier 2	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Tier 2	1.000000	8.00000	14.0000	0.74000
Building Construction	Cranes	Diesel	Tier 2	1.000000	7.00000	367.000	0.29000
Building Construction	Welders	Diesel	Tier 2	1.000000	8.00000	46.0000	0.45000

Building Construction	Tractors/Loaders/Back	Diesel	Tier 2	3.00000	7.00000	84.0000	0.37000
Paving	Pavers	Diesel	Tier 2	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 2	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 2	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Tier 2	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	7.10000	LDA,LDT1,LDT2
Demolition	Vendor	—	12.8000	HHDT,MHDT
Demolition	Hauling	2.30000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	7.10000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	12.8000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20.0000	7.10000	LDA,LDT1,LDT2
Grading	Vendor	—	12.8000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	127.440	7.10000	LDA,LDT1,LDT2
Building Construction	Vendor	20.7386	12.8000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	7.10000	LDA,LDT1,LDT2
Paving	Vendor	—	12.8000	HHDT,MHDT

Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	25.4880	7.10000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	12.8000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	7.10000	LDA,LDT1,LDT2
Demolition	Vendor	—	12.8000	HHDT,MHDT
Demolition	Hauling	2.30000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	7.10000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	12.8000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20.0000	7.10000	LDA,LDT1,LDT2
Grading	Vendor	—	12.8000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	127.440	7.10000	LDA,LDT1,LDT2
Building Construction	Vendor	20.7386	12.8000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	7.10000	LDA,LDT1,LDT2
Paving	Vendor	—	12.8000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT

Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	25.4880	7.10000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	12.8000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	477,698	159,233	0.00000	0.00000	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	4,000.00	0.00000
Site Preparation	—	—	15.0000	0.00000	0.00000
Grading	—	—	90.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.37466

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Single Family Housing	0.37466	0%
Paving	Apartments Low Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	203.983	0.03300	0.00400
2027	0.00000	203.983	0.03300	0.00400
2028	0.00000	203.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	244.800	244.800	244.800	89,352.0	2,071.77	2,071.77	2,071.77	756,196
Apartments Low Rise	1,078.40	1,078.40	1,078.40	393,616	9,126.62	9,126.62	9,126.62	3,331,216

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	244.800	244.800	244.800	89,352.0	2,071.77	2,071.77	2,071.77	756,196
Apartments Low Rise	1,078.40	1,078.40	1,078.40	393,616	9,126.62	9,126.62	9,126.62	3,331,216

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Single Family Housing	Wood Fireplaces	0	0
Single Family Housing	Gas Fireplaces	0	0
Single Family Housing	Propane Fireplaces	0	0
Single Family Housing	Electric Fireplaces	0	0
Single Family Housing	No Fireplaces	17	17
Single Family Housing	Conventional Wood Stoves	0	0
Single Family Housing	Catalytic Wood Stoves	2	2
Single Family Housing	Non-Catalytic Wood Stoves	2	2
Single Family Housing	Pellet Wood Stoves	0	0
Apartments Low Rise	Wood Fireplaces	0	0
Apartments Low Rise	Gas Fireplaces	0	0
Apartments Low Rise	Propane Fireplaces	0	0
Apartments Low Rise	Electric Fireplaces	0	0
Apartments Low Rise	No Fireplaces	80	80
Apartments Low Rise	Conventional Wood Stoves	0	0
Apartments Low Rise	Catalytic Wood Stoves	8	8
Apartments Low Rise	Non-Catalytic Wood Stoves	8	8
Apartments Low Rise	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
477,698	159,233	0.00000	0.00000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	317,784	203.983	0.0330	0.0040	0.00000
Apartments Low Rise	786,383	203.983	0.0330	0.0040	0.00000

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	317,784	203.983	0.0330	0.0040	0.00000

Apartments Low Rise	786,383	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	1,400,034	6,218,604
Apartments Low Rise	6,588,396	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	1,400,034	6,218,604
Apartments Low Rise	6,588,396	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	32.0437	0.00000
Apartments Low Rise	118.286	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	32.0437	0.00000
Apartments Low Rise	118.286	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	The project site is 18.24 acres.
Construction: Off-Road Equipment	Assuming the use of Tier 2 construction equipment.
Operations: Vehicle Data	The proposed project would generate approximately 1,323 average daily trips.
Operations: Hearths	The proposed project would be all-electric and would not include natural gas.
Operations: Energy Use	The proposed project would be all-electric and would not include natural gas.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	11.0390	10.00000
Lot Area	acre	10.00000	8.24000
Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value

Demolition	Rubber Tired Dozers	Engine Tier	Average	Tier 2
Demolition	Excavators	Engine Tier	Average	Tier 2
Demolition	Concrete/Industrial Saws	Engine Tier	Average	Tier 2
Site Preparation	Rubber Tired Dozers	Engine Tier	Average	Tier 2
Site Preparation	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 2
Grading	Graders	Engine Tier	Average	Tier 2
Grading	Excavators	Engine Tier	Average	Tier 2
Grading	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 2
Grading	Scrapers	Engine Tier	Average	Tier 2
Grading	Rubber Tired Dozers	Engine Tier	Average	Tier 2
Building Construction	Forklifts	Engine Tier	Average	Tier 2
Building Construction	Generator Sets	Engine Tier	Average	Tier 2
Building Construction	Cranes	Engine Tier	Average	Tier 2
Building Construction	Welders	Engine Tier	Average	Tier 2
Building Construction	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 2
Paving	Pavers	Engine Tier	Average	Tier 2
Paving	Paving Equipment	Engine Tier	Average	Tier 2
Paving	Rollers	Engine Tier	Average	Tier 2
Architectural Coating	Air Compressors	Engine Tier	Average	Tier 2

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Weekday Trip Rate	size/day	9.44000	7.20000
Single Family Housing	Saturday Trip Rate	size/day	9.54000	7.20000
Single Family Housing	Sunday Trip Rate	size/day	8.55000	7.20000

Apartments Low Rise	Weekday Trip Rate	size/day	7.32000	6.74000
Apartments Low Rise	Saturday Trip Rate	size/day	8.14000	6.74000
Apartments Low Rise	Sunday Trip Rate	size/day	6.28000	6.74000

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Default Value	New Value
Single Family Housing	Gas Fireplaces	17	0
Apartments Low Rise	Gas Fireplaces	80	0

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Natural Gas	kBTU/yr	1,323,019	0.00000
Single Family Housing	Natural Gas (Subject to Title 24)	kBTU/yr	1,240,174	0.00000
Single Family Housing	Natural Gas (Not Subject to Title 24)	kBTU/yr	82,845.1	0.00000
Apartments Low Rise	Natural Gas	kBTU/yr	4,423,916	0.00000
Apartments Low Rise	Natural Gas (Subject to Title 24)	kBTU/yr	4,075,766	0.00000
Apartments Low Rise	Natural Gas (Not Subject to Title 24)	kBTU/yr	348,150	0.00000

ATTACHMENT C

CONSTRUCTION HRA OUTPUTS

Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 2491 X: 741957.94 Y: 4109988.34			
T2	T2L3	T4I	T4F
45.06	7.24	6.53	3.63
MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 2491 X: 741957.94 Y: 4109988.34			
T2	T2L3	T4I	T4F
4.02E-02	6.59E-03	5.67E-03	3.13E-03
MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4I	T4F
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Sensitive) - PM 2.5 HARP Rec #: 1 X: 0 Y: 0			
T2	T2L3	T4I	T4F
0.000	0.000	0.000	0.000

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 1 X: 742157.6 Y: 4109901.96			
T2	T2L3	T4I	T4F
0.60	0.10	0.09	0.05
MEI (Worker) - Chronic Hazard Index HARP Rec #: 1 X: 742157.6 Y: 4109901.96			
T2	T2L3	T4I	T4F
2.91E-02	4.77E-03	4.10E-03	2.26E-03
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4I	T4F
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 1 X: 0 Y: 0			
T2	T2L3	T4I	T4F
0.000	0.000	0.000	0.000

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 583 X: 743202.46 Y: 4110979.28			
T2	T2L3	T4I	T4F
0.04	0.01	0.01	0.00
MEI (School) - Chronic Hazard Index HARP Rec #: 583 X: 743202.46 Y: 4110979.28			
T2	T2L3	T4I	T4F
1.16E-04	1.91E-05	1.64E-05	9.05E-06
MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4I	T4F
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (School) - PM 2.5 HARP Rec #: 1 X: 0 Y: 0			
T2	T2L3	T4I	T4F
0.0000	0.0000	0.0000	0.0000

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	741957.94	4109988.34	37.10498213	-120.2771733
Construction	Sensitive	Chronic HI	741957.94	4109988.34	37.10498213	-120.2771733
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	0.00	0.00		
Construction	School	Cancer Risk	743202.46	4110979.28	37.11358218	-120.2628615
Construction	School	Chronic HI	743202.46	4110979.28	37.11358218	-120.2628615
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	0.00	0.00		
Construction	Worker	Cancer Risk	742157.60	4109901.96	37.10415276	-120.2749566
Construction	Worker	Chronic HI	742157.60	4109901.96	37.10415276	-120.2749566

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM not available**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**25**	**100**
	Grid 2	**50**	**200**
	Grid 3	**100**	**400**
	Grid 4	**200**	**800**
	Grid 5	**400**	**1600**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Madera**	
	Provided By	**LSA - Sent to SJV**	
	Years	**2020 - 2024**	
	Elevation (m)	**77**	
	Link		
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Rural**	
	County	**Madera County**	
	Urban Grouping / Pop	**N**	
	# of Worker Receptors	**5,883**	
	# of Sensitive Receptors		
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**55,565.90**	
	Ht. of Source (m)	**3.048**	

General HARP Input Parameters		
Construction		
School Receptors		
School Scenario Parameters		
	Class Grade	**K-12**
	Starting Age	**4**
	Age Range	**4 Year Old - 7 Years Old**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
School Pathway Parameters		
	Pathways	**SJVAPCD Mandatory Minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 3 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SJVAPCD Mandatory Minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 19**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**

	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**SJVAPCD Mandatory Minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

			T2			2495	T2L3						T4I				T4F			
						4.51E-05				7.24E-06				6.53E-06						3.63E-06
					2491	4109988.34														
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	742157.6	4109901.96	1.21E-05	2.03E-05	2.24E-07	3.26E-05	1.87E-06	3.33E-06	3.36E-08	5.23E-06	1.82E-06	2.86E-06	4.26E-08	4.73E-06	1.03E-06	1.58E-06	1.05E-08	2.62E-06
2	742144.05	4109881.59	1.00E-05	1.69E-05	1.86E-07	2.71E-05	1.55E-06	2.77E-06	2.79E-08	4.35E-06	1.51E-06	2.38E-06	3.54E-08	3.93E-06	8.59E-07	1.31E-06	8.73E-09	2.18E-06
3	742130.5	4109861.23	8.63E-06	1.45E-05	1.60E-07	2.33E-05	1.34E-06	2.38E-06	2.40E-08	3.74E-06	1.30E-06	2.05E-06	3.05E-08	3.38E-06	7.39E-07	1.13E-06	7.52E-09	1.88E-06
4	742116.95	4109840.87	7.02E-06	1.18E-05	1.30E-07	1.90E-05	1.09E-06	1.94E-06	1.95E-08	3.04E-06	1.06E-06	1.67E-06	2.48E-08	2.75E-06	6.02E-07	9.19E-07	6.12E-09	1.53E-06
5	742236.31	4109988.28	6.73E-06	1.13E-05	1.25E-07	1.82E-05	1.04E-06	1.86E-06	1.87E-08	2.92E-06	1.01E-06	1.60E-06	2.38E-08	2.63E-06	5.76E-07	8.81E-07	5.86E-09	1.46E-06
6	742229.43	4110022.89	4.12E-06	6.93E-06	7.64E-08	1.11E-05	6.39E-07	1.14E-06	1.15E-08	1.79E-06	6.21E-07	9.78E-07	1.46E-08	1.61E-06	3.53E-07	5.39E-07	3.59E-09	8.96E-07
7	742178.41	4109888.11	1.01E-05	1.70E-05	1.87E-07	2.72E-05	1.56E-06	2.78E-06	2.81E-08	4.37E-06	1.52E-06	2.39E-06	3.56E-08	3.95E-06	8.64E-07	1.32E-06	8.78E-09	2.19E-06
8	742164.86	4109867.74	7.92E-06	1.33E-05	1.47E-07	2.14E-05	1.23E-06	2.18E-06	2.20E-08	3.43E-06	1.19E-06	1.88E-06	2.80E-08	3.10E-06	6.78E-07	1.04E-06	6.90E-09	1.72E-06
9	742151.31	4109847.38	6.63E-06	1.12E-05	1.23E-07	1.79E-05	1.03E-06	1.83E-06	1.85E-08	2.88E-06	1.00E-06	1.58E-06	2.34E-08	2.60E-06	5.68E-07	8.69E-07	5.78E-09	1.44E-06
10	742137.77	4109827.02	5.40E-06	9.09E-06	1.00E-07	1.46E-05	8.37E-07	1.49E-06	1.50E-08	2.34E-06	8.14E-07	1.28E-06	1.91E-08	2.12E-06	4.63E-07	7.07E-07	4.70E-09	1.17E-06
11	742257.13	4109974.43	6.53E-06	1.10E-05	1.21E-07	1.76E-05	1.01E-06	1.80E-06	1.82E-08	2.83E-06	9.84E-07	1.55E-06	2.31E-08	2.56E-06	5.59E-07	8.55E-07	5.69E-09	1.42E-06
12	742253.95	4110027.77	3.06E-06	5.14E-06	5.67E-08	8.26E-06	4.74E-07	8.43E-07	8.50E-09	1.33E-06	4.61E-07	7.26E-07	1.08E-08	1.20E-06	2.62E-07	4.00E-07	2.66E-09	6.65E-07
13	742199.22	4109874.26	8.60E-06	1.45E-05	1.60E-07	2.32E-05	1.33E-06	2.37E-06	2.39E-08	3.73E-06	1.30E-06	2.04E-06	3.04E-08	3.37E-06	7.37E-07	1.13E-06	7.50E-09	1.87E-06
14	742185.68	4109853.9	6.49E-06	1.09E-05	1.20E-07	1.75E-05	1.01E-06	1.79E-06	1.80E-08	2.81E-06	9.78E-07	1.54E-06	2.29E-08	2.54E-06	5.56E-07	8.49E-07	5.65E-09	1.41E-06
15	742172.13	4109833.53	5.36E-06	9.02E-06	9.94E-08	1.45E-05	8.31E-07	1.48E-06	1.49E-08	2.32E-06	8.08E-07	1.27E-06	1.89E-08	2.10E-06	4.59E-07	7.02E-07	4.67E-09	1.17E-06
16	742158.58	4109813.17	4.39E-06	7.39E-06	8.14E-08	1.19E-05	6.81E-07	1.21E-06	1.22E-08	1.90E-06	6.62E-07	1.04E-06	1.55E-08	1.72E-06	3.76E-07	5.75E-07	3.82E-09	9.55E-07
17	742277.94	4109960.58	6.20E-06	1.04E-05	1.15E-07	1.68E-05	9.62E-07	1.71E-06	1.73E-08	2.69E-06	9.35E-07	1.47E-06	2.19E-08	2.43E-06	5.32E-07	8.12E-07	5.40E-09	1.35E-06
18	742285.35	4109998.03	3.20E-06	5.38E-06	5.93E-08	8.64E-06	4.96E-07	8.83E-07	8.90E-09	1.39E-06	4.82E-07	7.59E-07	1.13E-08	1.25E-06	2.74E-07	4.19E-07	2.79E-09	6.96E-07
19	742278.47	4110032.64	2.35E-06	3.95E-06	4.35E-08	6.34E-06	3.64E-07	6.48E-07	6.53E-09	1.02E-06	3.54E-07	5.57E-07	8.29E-09	9.20E-07	2.01E-07	3.07E-07	2.05E-09	5.11E-07
20	742257.29	4110064.41	2.04E-06	3.43E-06	3.78E-08	5.50E-06	3.16E-07	5.62E-07	5.66E-09	8.83E-07	3.07E-07	4.83E-07	7.19E-09	7.97E-07	1.74E-07	2.67E-07	1.77E-09	4.43E-07
21	742220.04	4109860.41	7.32E-06	1.23E-05	1.36E-07	1.98E-05	1.13E-06	2.02E-06	2.04E-08	3.17E-06	1.10E-06	1.74E-06	2.59E-08	2.87E-06	6.27E-07	9.58E-07	6.38E-09	1.59E-06
22	742206.49	4109840.05	5.44E-06	9.15E-06	1.01E-07	1.47E-05	8.43E-07	1.50E-06	1.51E-08	2.36E-06	8.20E-07	1.29E-06	1.92E-08	2.13E-06	4.66E-07	7.12E-07	4.74E-09	1.18E-06
23	742192.94	4109819.68	4.48E-06	7.54E-06	8.31E-08	1.21E-05	6.95E-07	1.24E-06	1.25E-08	1.94E-06	6.75E-07	1.06E-06	1.58E-08	1.75E-06	3.84E-07	5.86E-07	3.90E-09	9.74E-07
24	742179.39	4109799.32	3.70E-06	6.23E-06	6.86E-08	9.99E-06	5.74E-07	1.02E-06	1.03E-08	1.60E-06	5.58E-07	8.78E-07	1.31E-08	1.45E-06	3.17E-07	4.84E-07	3.22E-09	8.05E-07
25	742320.31	4109936.63	4.78E-06	8.04E-06	8.86E-08	1.29E-05	7.40E-07	1.32E-06	1.33E-08	2.07E-06	7.20E-07	1.13E-06	1.69E-08	1.87E-06	4.09E-07	6.25E-07	4.16E-09	1.04E-06
26	742324.75	4109959.1	3.32E-06	5.58E-06	6.15E-08	8.96E-06	5.14E-07	9.15E-07	9.22E-09	1.44E-06	5.00E-07	7.87E-07	1.17E-08	1.30E-06	2.84E-07	4.34E-07	2.89E-09	7.21E-07
27	742329.2	4109981.57	2.49E-06	4.19E-06	4.62E-08	6.72E-06	3.86E-07	6.87E-07	6.92E-09	1.08E-06	3.75E-07	5.91E-07	8.79E-09	9.75E-07	2.13E-07	3.26E-07	2.17E-09	5.41E-07
28	742333.65	4110004.04	1.96E-06	3.30E-06	3.64E-08	5.30E-06	3.04E-07	5.41E-07	5.46E-09	8.51E-07	2.96E-07	4.66E-07	6.93E-09	7.69E-07	1.68E-07	2.57E-07	1.71E-09	4.27E-07
29	742325.39	4110045.57	1.50E-06	2.53E-06	2.79E-08	4.06E-06	2.33E-07	4.14E-07	4.18E-09	6.52E-07	2.27E-07	3.57E-07	5.31E-09	5.89E-07	1.29E-07	1.97E-07	1.31E-09	3.27E-07
30	742312.68	4110064.63	1.41E-06	2.38E-06	2.62E-08	3.81E-06	2.19E-07	3.89E-07	3.93E-09	6.12E-07	2.13E-07	3.35E-07	4.99E-09	5.53E-07	1.21E-07	1.85E-07	1.23E-09	3.07E-07
31	742299.97	4110083.69	1.32E-06	2.23E-06	2.46E-08	3.58E-06	2.05E-07	3.65E-07	3.68E-09	5.74E-07	2.00E-07	3.14E-07	4.68E-09	5.19E-07	1.13E-07	1.73E-07	1.15E-09	2.88E-07
32	742287.26	4110102.75	1.24E-06	2.09E-06	2.30E-08	3.36E-06	1.93E-07	3.43E-07	3.46E-09	5.39E-07	1.87E-07	2.95E-07	4.39E-09	4.87E-07	1.06E-07	1.63E-07	1.08E-09	2.70E-07
33	742319.5	4109887.29	8.69E-06	1.46E-05	1.61E-07	2.35E-05	1.35E-06	2.40E-06	2.42E-08	3.77E-06	1.31E-06	2.06E-06	3.07E-08	3.40E-06	7.44E-07	1.14E-06	7.57E-09	1.89E-06
34	742305.95	4109866.93	9.17E-06	1.54E-05	1.70E-07	2.48E-05	1.42E-06	2.53E-06	2.55E-08	3.98E-06	1.38E-06	2.18E-06	3.24E-08	3.59E-06	7.86E-07	1.20E-06	7.99E-09	2.00E-06
35	742285.44	4109848.89	8.06E-06	1.36E-05	1.50E-07	2.18E-05	1.25E-06	2.22E-06	2.24E-08	3.50E-06	1.22E-06	1.91E-06	2.85E-08	3.16E-06	6.91E-07	1.06E-06	7.02E-09	1.75E-06
36	742271.89	4109828.53	5.18E-06	8.71E-06	9.60E-08	1.40E-05	8.03E-07	1.43E-06	1.44E-08	2.25E-06	7.81E-07	1.23E-06	1.83E-08	2.03E-06	4.44E-07	6.78E-07	4.51E-09	1.13E-06
37	742258.34	4109808.16	3.89E-06	6.54E-06	7.21E-08	1.05E-05	6.03E-07	1.07E-06	1.08E-08	1.69E-06	5.86E-07	9.23E-07	1.37E-08	1.52E-06	3.33E-07	5.09E-07	3.39E-09	8.45E-07
38	742234.57	4109791.99	3.34E-06	5.62E-06	6.19E-08	9.02E-06	5.18E-07	9.21E-07	9.29E-09	1.45E-06	5.03E-07	7.93E-07	1.18E-08	1.31E-06	2.86E-07	4.37E-07	2.91E-09	7.26E-07
39	742221.02	4109771.62	2.79E-06	4.70E-06	5.18E-08	7.55E-06	4.33E-07	7.71E-07	7.77E-09	1.21E-06	4.21E-07	6.63E-07	9.87E-09	1.09E-06	2.39E-07	3.66E-07	2.43E-09	6.08E-07
40	742207.47	4109751.26	2.30E-06	3.88E-06	4.27E-08	6.22E-06	3.57E-07	6.35E-07	6.41E-09	9.99E-07	3.47E-07	5.47E-07	8.14E-09	9.02E-07	1.97E-07	3.02E-07	2.01E-09	5.01E-07
41	742361.72	4109907.86	3.55E-06	5.97E-06	6.58E-08	9.59E-06	5.50E-07	9.79E-07	9.87E-09	1.54E-06	5.35E-07	8.42E-07	1.25E-08	1.39E-06	3.04E-07	4.65E-07	3.09E-09	7.72E-07
42	742370.19	4109950.66	2.24E-06	3.77E-06	4.16E-08	6.06E-06	3.48E-07	6.19E-07	6.24E-09	9.72E-07	3.38E-07	5.32E-07	7.92E-09	8.78E-07	1.92E-07	2.94E-07	1.95E-09	4.88E-07
43	742378.67	4109993.47	1.54E-06	2.58E-06	2.85E-08	4.15E-06	2.38E-07	4.24E-07	4.27E-09	6.66E-07	2.32E-07	3.65E-07	5.43E-09	6.02E-07	1.32E-07	2.01E-07	1.34E-09	3.34E-07
44	742375.03	4110054.42	1.07E-06	1.81E-06	1.99E-08	2.90E-06	1.66E-07	2.96E-07	2.99E-09	4.65E-07	1.62E-07	2.55E-07	3.79E-09	4.20E-07	9.19E-08	1.40E-07	9.35E-10	2.33E-07
45	742350.82	4110090.73	9.74E-07	1.64E-06	1.81E-08	2.63E-06	1.51E-07	2.69E-07	2.71E-09	4.22E-07	1.47E-07	2.31E-07	3.44E-09	3.81E-07	8.34E-08	1.27E-07	8.48E-10	2.12E-07
46	742326.62	4110127.03	8.82E-07	1.48E-06	1.64E-08	2.38E-06	1.37E-07	2.43E-07	2.45E-09	3.83E-07	1.33E-07	2.09E-07	3.12E-09	3.46E-07	7.56E-08	1.16E-07	7.68E-10	1.92E-07
47	742343.94	4109866.09	5.44E-06	9.16E-06	1.01E-07	1.47E-05	8.44E-07	1.50E-06	1.51E-08	2.36E-06	8.21E-07	1.29E-06	1.92E-08	2.13E-06	4.66E-07	7.13E-07	4.74E-09	1.18E-06
48	742330.39	4109845.73	5.62E-06	9.46E-06	1.04E-07	1.52E-05	8.72E-07	1.55E-06	1.56E-08	2.44E-06	8.48E-07	1.33E-06	1.99E-08	2.20E-06	4.82E-07	7.36E-07	4.90E-09	1.22E-06
49	742316.84	4109825.37	4.88E-06	8.21E-06	9.05E-08	1.32E-05	7.57E-07	1.35E-06	1.36E-08	2.12E-06	7.36E-07	1.16E-06	1.72E-08	1.91E-06	4.18E-07	6.39E-07	4.25E-09	1.06E-06
50	742303.29	4109805.01	3.85E-06	6.48E-06	7.14E-08	1.04E-05	5.97E-07	1.06E-06	1.07E-08	1.67E-06	5.80E-07	9.14E-07	1.36E-08	1.51E-06	3.30E-07	5.04E-07	3.35E-09	8.37E-07
51	742289.74	4109784.65	3.10E-06	5.21E-06	5.74E-08	8.37E-06	4.80E-07	8.55E-07	8.62E-09	1.34E-06	4.67E-07	7.35E-07	1.09E-08	1.21E-06	2.65E-07	4.06E-07	2.70E-09	6.74E-07
52	742276.19	4109764.29	2.60E-06	4.38E-06	4.82E-08	7.02E-06	4.03E-07	7.17E-07	7.23E-09	1.13E-06	3.92E-07	6.17E-07	9.18E-09	1.02E-06	2.23E-07	3.40E-07	2.26E-09	5.65E-07
53	742262.64	4109743.93	2.21E-06	3.72E-06	4.10E-08	5.97E-06	3.43E-07	6.10E-07	6.15E-09	9.59E-07	3.33E-07	5.25E-07	7.81E-09	8.66E-07	1.89E-07	2.89E-07	1.93E-09	4.81E-07
54	742249.1	4109723.56	1.87E-06	3.14E-06	3.47E-08	5.05E-06	2.90E-07	5.16E-07	5.20E-09	8.11E-07	2.82E-07	4.44E-07	6.60E-09	7.32E-07	1.60E-07	2.45E-07	1.63E-09	4.06E-07
55	742403.75	4109882.16	2.50E-06	4.20E-06	4.63E-08	6.74E-06	3.87E-07	6.89E-07	6.94E-09	1.08E-06	3.76E-07	5.93E-07	8.82E-09	9.78E-07	2.14E-07	3.27E-07	2.17E-09	5.43E-07
56	742408.38	4109905.57	2.12E-06	3.57E-06	3.93E-08	5.73E-06	3.29E-07	5.85E-07	5.90E-09	9.20E-07	3.20E-07	5.03E-07	7.49E-09	8.31E-07	1.82E-07	2.78E-07	1.85E-09	4.61E-07
57	742413.01	4109928.98	1.78E-06	2.99E-06	3.30E-08	4.80E-06	2.76E-07	4.90E-07	4.95E-09	7.71E-07	2.68E-07	4.22E-07	6.28E-09	6.96E-07	1.52E-07	2.33E-07	1.55E-09	3.87E-07
58	742417.64	4109952.39	1.50E-06	2.52E-06	2.78E-08	4.05E-06	2.32E-07	4.13E-07	4.17E-09	6.50E-07	2.26E-07	3.56E-07	5.29E-09	5.87E-07	1.28E-07	1.96E-07	1.31E-09	3.26E-07
59	742422.28	4109975.8	1.28E-06	2.15E-06	2.37E-08	3.45E-06	1.98E-07	3.52E-07	3.55E-09	5.53E-07	1.92E-07	3.03E-07	4.50E-09	5.00E-07	1.09E-07	1.67E-07	1.11E-09	2.77E-07
60	742426.91	4109999.21	1.10E-06	1.84E-06	2.03E-08	2.96E-06	1.70E-07	3.02E-07	3.05E-09	4.75E-07	1.65E-07	2.60E-07	3.87E-09	4.29E-07	9.39E-08	1.44E-07	9.55E-10	2.38E-07
61	742431.54	4110022.62	9.52E-07	1.60E-06	1.77E-08	2.57E-06	1.48E-07	2.63E-07	2.65E-09	4.13E-07	1.43E-07	2.26E-07	3.36E-09	3.73E-07	8.15E-08	1.25E-07	8.29E-10	2.07E-07
62	742422.94	4110065.88	8.07E-07	1.36E-06	1.50E-08	2.18E-06	1.25E-07	2.23E-07	2.25E-09	3.50E-07	1.22E-07	1.92E-07	2.85E-09	3.16E-07	6.92E-08	1.06E-07	7.03E-10	1.76E-07
63	742409.7	4110085.73	7.75E-07	1.30E-06	1.44E-08	2.09E-06	1.20E-07	2.14E-07	2.16E-09	3.36E-07	1.17E-07	1.84E-07	2.74E-09	3.04E-07	6.64E-08	1.02E-07	6.75E-10	1.69E-07
64	742396.46	4110105.59	7.41E-07	1.25E-06	1.37E-08	2.00E-06	1.15E-07	2.04E-07	2.06E-09	3.21E-07	1.12E-07	1.76E-07	2.62E-09	2.90E-07	6.35E-08	9.70E-08	6.46E-10	1.61E-07
65	742383.22	4110125.44	7.08E-07	1.19E-06	1.31E-08	1.91E-06	1.10E-07	1.95E-07	1.97E-09	3.07E-07	1.07E-07	1.68E-07	2.50E-09	2.77E-07	6.06E-08	9.27E-08	6.17E-10	1.54E-07
66	742369.98	4110145.29	6.76E-07	1.14E-06	1.25E-08	1.83E-06	1.05E-07	1.87E-07	1.88E-09	2.93E-07	1.02E-07	1.61E-07	2.39E-09	2.65E-07	5.79E-08	8.85E-08	5.89E-10	1.47E-07
67	742356.74	4110165.15	6.46E-07	1.09E-06	1.20E-08	1.75E-06	1.00E-07	1.78E-07	1.80E-09	2.80E-07	9.74E-08	1.53E-07	2.28E-09	2.53E-07	5.54E-08	8.46E-08	5.63E-10	1.41E-07
68	742343.51	4110185	6.16E-07	1.04E-06	1.14E-08	1.66E-06	9.56E-08	1.70E-07	1.71E-09	2.67E-07	9.29E-08	1.46E-07	2.18E-09	2.41E-07	5.28E-08	8.07E-08	5.37E-10	1.34E-07
69	742399.11	4109858.75	2.83E-06	4.76E-06	5.25E-08	7.64E-06	4.39E-07	7.80E-07	7.87E-09	1.23E-06	4.26E-07	6.71E-07	9.99E-09	1.11E-06	2.42E-07	3.70E-07	2.46E-09	6.15E-07
70	742385.56	4109838.39	3.26E-06	5.48E-06	6.04E-08	8.79E-06	5.05E-07	8.98E-07	9.06E-09	1.41E-06	4.91E-07	7.73E-07	1.15E-08	1.28E-06	2.79E-07	4.26E-07	2.84E-09	7.08E-07
71	742372.01	4109818.03	3.39E-06	5.71E-06	6.29E-08	9.17E-06	5.26E-07	9.36E-07	9.44E-09	1.47E-06	5.12E-07	8.06E-07	1.20E-08	1.33E-06	2.91E-07	4.44E-07	2.96E-09	7.38E-07
72	742358.47	4109797.67	3.19E-06	5.37E-06	5.92E-08	8.62E-06	4.95E-07	8.80E-07	8.88E-09	1.38E-06	4.81E-07	7.58E-07	1.13E-08	1.25E-06	2.73E-07	4.18E-07	2.78E-09	6.94E-07
73	742344.92	4109777.31	2.80E-06	4.71E-06	5.20E-08	7.57E-06	4.34E-07	7.73E-07	7.79E-09	1.22E-06	4.22E-07	6.65E-07	9.90E-09	1.10E-06	2.40E-07	3.67E-07	2.44E-09	6.09E-07
74	742331.37	4109756.95	2.40E-06	4.04E-06	4.46E-08	6.49E-06	3.73E-07	6.63E-07	6.69E-09	1.04E-06	3.62E-07	5.71E-07	8.49E-09	9.41E-07	2.06E-07	3.15E-07	2.09E-09	5.23E-07
75	742317.82	4109736.59	2.07E-06	3.48E-06	3.84E-08	5.59E-06	3.21E-07	5.71E-07	5.76E-09	8.98E-07	3.12E-07	4.92E-07	7.31E-09	8.11E-07	1.77E-07	2.71E-07	1.80E-09	4.50E-07
76	742304.27	4109716.23	1.79E-06	3.02E-06	3.32E-08	4.84E-06	2.78E-07	4.94E-07	4.99E-09	7.77E-07	2.70E-07	4.25E-07	6.33E-09	7.02E-07	1.54E-07	2.35E-07	1.56E-09	3.90E-07
77	742290.72	4109695.86	1.55E-06	2.60E-06	2.87E-08	4.17E-06	2.40E-07	4.26E-07	4.30E-09	6.70E-07	2.33E-07	3.67E-07	5.46E-09	6.05E-07	1.32E-07	2.02E-07	1.35E-09	3.36E-07
78	742445.19	4109853.53	1.88E-06	3.17E-06	3.49E-08	5.08E-06	2.92E-07	5.19E-07	5.24E-09	8.16E-07	2.84E-07	4.47E-07	6.65E-09	7.37E-07	1.61E-07	2.46E-07	1.64E-09	4.09E-07
79	742449.63	4109876	1.69E-06	2.84E-06	3.13E-08	4.57E-06	2.62E-07	4.66E-07	4.70E-09	7.33E-07	2.55E-07	4.01E-07	5.97E-09	6.62E-07	1.45E-07	2.21E-07	1.47E-09	3.68E-07
80	742454.08	4109898.47	1.49E-06	2.51E-06	2.77E-08	4.03E-06	2.31E-07	4.12E-07	4.15E-09	6.47E-07	2.25E-07	3.54E-07	5.27E-09	5.85E-07	1.28E-07	1.95E-07	1.30E-09	3.25E-07
81	742458.53	4109920.95	1.31E-06	2.20E-06	2.43E-08	3.53E-06	2.03E-07	3.61E-07	3.64E-09	5.68E-07	1.97E-07	3.11E-07	4.62E-09	5.13E-07	1.12E-07	1.71E-07	1.14E-09	2.85E-07
82	742462.98	4109943.42	1.15E-06	1.93E-06	2.13E-08	3.10E-06	1.78E-07	3.17E-07	3.19E-09	4.98E-07	1.73E-07	2.72E-07	4.05E-09	4.49E-07	9.83E-08	1.50E-07	9.99E-10	2.50E-07
83	742467.42	4109965.89	1.01E-06	1.70E-06	1.88E-08	2.73E-06	1.57E-07	2.79E-07	2.82E-09	4.39E-07	1.53E-07	2.40E-07	3.57E-09	3.96E-07	8.67E-08	1.32E-07	8.82E-10	2.20E-07
84	742471.87	4109988.36	8.97E-07	1.51E-06	1.66E-08	2.42E-06	1.39E-07	2.48E-07	2.50E-09	3.89E-07	1.35E-07	2.13E-07	3.17E-09	3.51E-07	7.69E-08	1.17E-07	7.82E-10	1.95E-07

85	742476.32	4110010.83	8.00E-07	1.35E-06	1.48E-08	2.16E-06	1.24E-07	2.21E-07	2.22E-09	3.47E-07	1.21E-07	1.90E-07	2.82E-09	3.13E-07	6.85E-08	1.05E-07	6.97E-10	1.74E-07
86	742480.77	4110033.31	7.15E-07	1.20E-06	1.33E-08	1.93E-06	1.11E-07	1.97E-07	1.99E-09	3.10E-07	1.08E-07	1.70E-07	2.53E-09	2.80E-07	6.13E-08	9.37E-08	6.23E-10	1.56E-07
87	742472.51	4110074.84	6.32E-07	1.06E-06	1.17E-08	1.71E-06	9.80E-08	1.74E-07	1.76E-09	2.74E-07	9.53E-08	1.50E-07	2.23E-09	2.47E-07	5.41E-08	8.27E-08	5.50E-10	1.37E-07
88	742459.8	4110093.9	6.16E-07	1.04E-06	1.14E-08	1.66E-06	9.56E-08	1.70E-07	1.71E-09	2.67E-07	9.29E-08	1.46E-07	2.18E-09	2.41E-07	5.28E-08	8.07E-08	5.37E-10	1.34E-07
89	742447.09	4110112.96	5.97E-07	1.00E-06	1.11E-08	1.61E-06	9.25E-08	1.65E-07	1.66E-09	2.59E-07	9.00E-08	1.42E-07	2.11E-09	2.34E-07	5.11E-08	7.81E-08	5.20E-10	1.30E-07
90	742434.38	4110132.02	5.75E-07	9.67E-07	1.07E-08	1.55E-06	8.92E-08	1.59E-07	1.60E-09	2.49E-07	8.67E-08	1.36E-07	2.03E-09	2.25E-07	4.93E-08	7.53E-08	5.01E-10	1.25E-07
91	742421.67	4110151.08	5.53E-07	9.31E-07	1.03E-08	1.50E-06	8.58E-08	1.53E-07	1.54E-09	2.40E-07	8.35E-08	1.31E-07	1.95E-09	2.17E-07	4.74E-08	7.25E-08	4.82E-10	1.20E-07
92	742408.96	4110170.14	5.33E-07	8.97E-07	9.89E-09	1.44E-06	8.26E-08	1.47E-07	1.48E-09	2.31E-07	8.04E-08	1.27E-07	1.88E-09	2.09E-07	4.57E-08	6.98E-08	4.64E-10	1.16E-07
93	742396.25	4110189.2	5.13E-07	8.63E-07	9.51E-09	1.39E-06	7.95E-08	1.41E-07	1.43E-09	2.22E-07	7.73E-08	1.22E-07	1.81E-09	2.01E-07	4.39E-08	6.72E-08	4.47E-10	1.12E-07
94	742383.54	4110208.26	4.92E-07	8.28E-07	9.13E-09	1.33E-06	7.63E-08	1.36E-07	1.37E-09	2.14E-07	7.42E-08	1.17E-07	1.74E-09	1.93E-07	4.22E-08	6.45E-08	4.29E-10	1.07E-07
95	742370.83	4110227.31	4.70E-07	7.91E-07	8.72E-09	1.27E-06	7.29E-08	1.30E-07	1.31E-09	2.04E-07	7.09E-08	1.12E-07	1.66E-09	1.84E-07	4.03E-08	6.16E-08	4.10E-10	1.02E-07
96	742440.74	4109831.06	2.04E-06	3.43E-06	3.79E-08	5.51E-06	3.16E-07	5.63E-07	5.68E-09	8.85E-07	3.08E-07	4.84E-07	7.21E-09	7.99E-07	1.75E-07	2.67E-07	1.78E-09	4.44E-07
97	742427.19	4109810.69	2.26E-06	3.81E-06	4.20E-08	6.12E-06	3.51E-07	6.25E-07	6.30E-09	9.82E-07	3.41E-07	5.38E-07	8.00E-09	8.87E-07	1.94E-07	2.97E-07	1.97E-09	4.93E-07
98	742413.64	4109790.33	2.36E-06	3.97E-06	4.37E-08	6.37E-06	3.66E-07	6.50E-07	6.56E-09	1.02E-06	3.55E-07	5.60E-07	8.33E-09	9.23E-07	2.02E-07	3.09E-07	2.05E-09	5.13E-07
99	742400.09	4109769.97	2.30E-06	3.86E-06	4.26E-08	6.20E-06	3.56E-07	6.33E-07	6.39E-09	9.96E-07	3.46E-07	5.45E-07	8.11E-09	8.99E-07	1.97E-07	3.01E-07	2.00E-09	4.99E-07
100	742386.54	4109749.61	2.12E-06	3.57E-06	3.94E-08	5.74E-06	3.29E-07	5.86E-07	5.91E-09	9.21E-07	3.20E-07	5.04E-07	7.50E-09	8.32E-07	1.82E-07	2.78E-07	1.85E-09	4.62E-07
101	742373	4109729.25	1.90E-06	3.20E-06	3.53E-08	5.14E-06	2.95E-07	5.25E-07	5.29E-09	8.25E-07	2.87E-07	4.52E-07	6.72E-09	7.45E-07	1.63E-07	2.49E-07	1.66E-09	4.14E-07
102	742359.45	4109708.89	1.68E-06	2.83E-06	3.12E-08	4.54E-06	2.61E-07	4.64E-07	4.68E-09	7.29E-07	2.53E-07	3.99E-07	5.94E-09	6.58E-07	1.44E-07	2.20E-07	1.46E-09	3.65E-07
103	742345.9	4109688.53	1.48E-06	2.49E-06	2.74E-08	3.99E-06	2.29E-07	4.08E-07	4.11E-09	6.41E-07	2.23E-07	3.51E-07	5.22E-09	5.79E-07	1.27E-07	1.94E-07	1.29E-09	3.21E-07
104	742332.35	4109668.17	1.30E-06	2.18E-06	2.40E-08	3.50E-06	2.01E-07	3.58E-07	3.61E-09	5.62E-07	1.95E-07	3.08E-07	4.58E-09	5.08E-07	1.11E-07	1.70E-07	1.13E-09	2.82E-07
105	742528.55	4109798.71	1.19E-06	2.00E-06	2.20E-08	3.20E-06	1.84E-07	3.27E-07	3.30E-09	5.14E-07	1.79E-07	2.82E-07	4.19E-09	4.65E-07	1.02E-07	1.55E-07	1.03E-09	2.58E-07
106	742533.12	4109821.75	1.10E-06	1.86E-06	2.05E-08	2.98E-06	1.71E-07	3.05E-07	3.07E-09	4.79E-07	1.67E-07	2.62E-07	3.90E-09	4.33E-07	9.47E-08	1.45E-07	9.63E-10	2.40E-07
107	742537.68	4109844.8	1.02E-06	1.72E-06	1.89E-08	2.76E-06	1.58E-07	2.82E-07	2.84E-09	4.43E-07	1.54E-07	2.42E-07	3.61E-09	4.00E-07	8.75E-08	1.34E-07	8.89E-10	2.22E-07
108	742542.24	4109867.85	9.39E-07	1.58E-06	1.74E-08	2.54E-06	1.46E-07	2.59E-07	2.61E-09	4.07E-07	1.42E-07	2.23E-07	3.32E-09	3.68E-07	8.05E-08	1.23E-07	8.18E-10	2.04E-07
109	742546.8	4109890.9	8.59E-07	1.45E-06	1.59E-08	2.32E-06	1.33E-07	2.37E-07	2.39E-09	3.73E-07	1.30E-07	2.04E-07	3.03E-09	3.36E-07	7.36E-08	1.12E-07	7.48E-10	1.87E-07
110	742551.36	4109913.95	7.82E-07	1.32E-06	1.45E-08	2.11E-06	1.21E-07	2.16E-07	2.18E-09	3.39E-07	1.18E-07	1.86E-07	2.76E-09	3.06E-07	6.70E-08	1.02E-07	6.81E-10	1.70E-07
111	742555.92	4109937	7.10E-07	1.20E-06	1.32E-08	1.92E-06	1.10E-07	1.96E-07	1.98E-09	3.08E-07	1.07E-07	1.69E-07	2.51E-09	2.78E-07	6.09E-08	9.30E-08	6.19E-10	1.55E-07
112	742560.49	4109960.05	6.46E-07	1.09E-06	1.20E-08	1.74E-06	1.00E-07	1.78E-07	1.80E-09	2.80E-07	9.74E-08	1.53E-07	2.28E-09	2.53E-07	5.53E-08	8.46E-08	5.63E-10	1.40E-07
113	742565.05	4109983.09	5.89E-07	9.91E-07	1.09E-08	1.59E-06	9.13E-08	1.62E-07	1.64E-09	2.55E-07	8.88E-08	1.40E-07	2.08E-09	2.31E-07	5.05E-08	7.71E-08	5.13E-10	1.28E-07
114	742569.61	4110006.14	5.39E-07	9.07E-07	1.00E-08	1.46E-06	8.36E-08	1.49E-07	1.50E-09	2.34E-07	8.13E-08	1.28E-07	1.90E-09	2.11E-07	4.62E-08	7.06E-08	4.70E-10	1.17E-07
115	742574.17	4110029.19	4.95E-07	8.33E-07	9.19E-09	1.34E-06	7.68E-08	1.37E-07	1.38E-09	2.15E-07	7.47E-08	1.18E-07	1.75E-09	1.94E-07	4.24E-08	6.48E-08	4.31E-10	1.08E-07
116	742578.73	4110052.24	4.56E-07	7.68E-07	8.47E-09	1.23E-06	7.08E-08	1.26E-07	1.27E-09	1.98E-07	6.88E-08	1.08E-07	1.61E-09	1.79E-07	3.91E-08	5.98E-08	3.98E-10	9.93E-08
117	742570.26	4110094.84	4.18E-07	7.04E-07	7.76E-09	1.13E-06	6.49E-08	1.15E-07	1.16E-09	1.81E-07	6.31E-08	9.93E-08	1.48E-09	1.64E-07	3.58E-08	5.48E-08	3.64E-10	9.10E-08
118	742557.22	4110114.39	4.13E-07	6.95E-07	7.66E-09	1.12E-06	6.41E-08	1.14E-07	1.15E-09	1.79E-07	6.23E-08	9.81E-08	1.46E-09	1.62E-07	3.54E-08	5.41E-08	3.60E-10	8.98E-08
119	742544.19	4110133.93	4.07E-07	6.84E-07	7.54E-09	1.10E-06	6.30E-08	1.12E-07	1.13E-09	1.76E-07	6.13E-08	9.65E-08	1.44E-09	1.59E-07	3.48E-08	5.32E-08	3.54E-10	8.84E-08
120	742531.15	4110153.48	3.98E-07	6.71E-07	7.39E-09	1.08E-06	6.18E-08	1.10E-07	1.11E-09	1.73E-07	6.01E-08	9.46E-08	1.41E-09	1.56E-07	3.41E-08	5.22E-08	3.47E-10	8.67E-08
121	742518.12	4110173.03	3.89E-07	6.54E-07	7.21E-09	1.05E-06	6.03E-08	1.07E-07	1.08E-09	1.69E-07	5.86E-08	9.23E-08	1.37E-09	1.52E-07	3.33E-08	5.09E-08	3.39E-10	8.45E-08
122	742505.08	4110192.58	3.78E-07	6.35E-07	7.00E-09	1.02E-06	5.86E-08	1.04E-07	1.05E-09	1.64E-07	5.69E-08	8.96E-08	1.33E-09	1.48E-07	3.24E-08	4.94E-08	3.29E-10	8.21E-08
123	742492.05	4110212.13	3.66E-07	6.16E-07	6.79E-09	9.88E-07	5.67E-08	1.01E-07	1.02E-09	1.59E-07	5.52E-08	8.69E-08	1.29E-09	1.43E-07	3.14E-08	4.79E-08	3.19E-10	7.96E-08
124	742479.01	4110231.67	3.54E-07	5.96E-07	6.57E-09	9.57E-07	5.49E-08	9.77E-08	9.85E-10	1.54E-07	5.34E-08	8.41E-08	1.25E-09	1.39E-07	3.03E-08	4.64E-08	3.09E-10	7.70E-08
125	742465.98	4110251.22	3.42E-07	5.75E-07	6.34E-09	9.23E-07	5.30E-08	9.43E-08	9.51E-10	1.48E-07	5.15E-08	8.11E-08	1.21E-09	1.34E-07	2.93E-08	4.47E-08	2.98E-10	7.43E-08
126	742452.94	4110270.77	3.29E-07	5.53E-07	6.10E-09	8.88E-07	5.10E-08	9.07E-08	9.15E-10	1.43E-07	4.96E-08	7.80E-08	1.16E-09	1.29E-07	2.82E-08	4.30E-08	2.86E-10	7.15E-08
127	742439.91	4110290.32	3.14E-07	5.29E-07	5.83E-09	8.49E-07	4.88E-08	8.68E-08	8.75E-10	1.36E-07	4.74E-08	7.46E-08	1.11E-09	1.23E-07	2.69E-08	4.12E-08	2.74E-10	6.84E-08
128	742426.87	4110309.87	2.99E-07	5.04E-07	5.55E-09	8.08E-07	4.64E-08	8.26E-08	8.33E-10	1.30E-07	4.51E-08	7.10E-08	1.06E-09	1.17E-07	2.56E-08	3.92E-08	2.61E-10	6.51E-08
129	742523.99	4109775.66	1.25E-06	2.10E-06	2.32E-08	3.38E-06	1.94E-07	3.45E-07	3.48E-09	5.42E-07	1.88E-07	2.97E-07	4.41E-09	4.89E-07	1.07E-07	1.64E-07	1.09E-09	2.72E-07
130	742510.44	4109755.3	1.34E-06	2.25E-06	2.49E-08	3.62E-06	2.08E-07	3.70E-07	3.73E-09	5.81E-07	2.02E-07	3.18E-07	4.73E-09	5.25E-07	1.15E-07	1.75E-07	1.17E-09	2.91E-07
131	742496.89	4109734.94	1.39E-06	2.33E-06	2.57E-08	3.74E-06	2.15E-07	3.82E-07	3.85E-09	6.01E-07	2.09E-07	3.29E-07	4.89E-09	5.43E-07	1.19E-07	1.81E-07	1.21E-09	3.01E-07
132	742483.35	4109714.57	1.38E-06	2.33E-06	2.57E-08	3.74E-06	2.15E-07	3.82E-07	3.85E-09	6.00E-07	2.09E-07	3.28E-07	4.89E-09	5.42E-07	1.19E-07	1.81E-07	1.21E-09	3.01E-07
133	742469.8	4109694.21	1.34E-06	2.25E-06	2.49E-08	3.62E-06	2.08E-07	3.70E-07	3.73E-09	5.81E-07	2.02E-07	3.18E-07	4.73E-09	5.25E-07	1.15E-07	1.75E-07	1.17E-09	2.91E-07
134	742456.25	4109673.85	1.26E-06	2.13E-06	2.34E-08	3.41E-06	1.96E-07	3.48E-07	3.51E-09	5.48E-07	1.90E-07	3.00E-07	4.46E-09	4.95E-07	1.08E-07	1.65E-07	1.10E-09	2.75E-07
135	742442.7	4109653.49	1.16E-06	1.96E-06	2.16E-08	3.14E-06	1.81E-07	3.21E-07	3.24E-09	5.05E-07	1.76E-07	2.76E-07	4.11E-09	4.56E-07	9.97E-08	1.52E-07	1.01E-09	2.53E-07
136	742429.15	4109633.13	1.06E-06	1.78E-06	1.96E-08	2.85E-06	1.64E-07	2.91E-07	2.94E-09	4.58E-07	1.59E-07	2.51E-07	3.73E-09	4.14E-07	9.05E-08	1.38E-07	9.20E-10	2.30E-07
137	742415.6	4109612.77	9.49E-07	1.60E-06	1.76E-08	2.56E-06	1.47E-07	2.62E-07	2.64E-09	4.12E-07	1.43E-07	2.25E-07	3.35E-09	3.72E-07	8.13E-08	1.24E-07	8.27E-10	2.06E-07
138	742611.88	4109743.67	8.32E-07	1.40E-06	1.54E-08	2.25E-06	1.29E-07	2.30E-07	2.31E-09	3.61E-07	1.25E-07	1.98E-07	2.94E-09	3.26E-07	7.13E-08	1.09E-07	7.25E-10	1.81E-07
139	742616.51	4109767.08	7.88E-07	1.33E-06	1.46E-08	2.13E-06	1.22E-07	2.17E-07	2.19E-09	3.42E-07	1.19E-07	1.87E-07	2.78E-09	3.09E-07	6.75E-08	1.03E-07	6.86E-10	1.71E-07
140	742621.14	4109790.49	7.39E-07	1.24E-06	1.37E-08	2.00E-06	1.15E-07	2.04E-07	2.06E-09	3.21E-07	1.11E-07	1.75E-07	2.61E-09	2.90E-07	6.33E-08	9.68E-08	6.44E-10	1.61E-07
141	742625.78	4109813.89	6.93E-07	1.17E-06	1.28E-08	1.87E-06	1.07E-07	1.91E-07	1.93E-09	3.00E-07	1.04E-07	1.64E-07	2.45E-09	2.71E-07	5.94E-08	9.07E-08	6.03E-10	1.51E-07
142	742630.41	4109837.3	6.50E-07	1.09E-06	1.21E-08	1.76E-06	1.01E-07	1.79E-07	1.81E-09	2.82E-07	9.80E-08	1.54E-07	2.30E-09	2.55E-07	5.57E-08	8.51E-08	5.66E-10	1.41E-07
143	742635.04	4109860.71	6.09E-07	1.03E-06	1.13E-08	1.65E-06	9.45E-08	1.68E-07	1.70E-09	2.64E-07	9.19E-08	1.45E-07	2.15E-09	2.39E-07	5.22E-08	7.98E-08	5.31E-10	1.33E-07
144	742639.68	4109884.12	5.69E-07	9.57E-07	1.06E-08	1.54E-06	8.82E-08	1.57E-07	1.58E-09	2.47E-07	8.58E-08	1.35E-07	2.01E-09	2.23E-07	4.87E-08	7.45E-08	4.96E-10	1.24E-07
145	742644.31	4109907.53	5.28E-07	8.89E-07	9.80E-09	1.43E-06	8.19E-08	1.46E-07	1.47E-09	2.29E-07	7.97E-08	1.25E-07	1.87E-09	2.07E-07	4.53E-08	6.92E-08	4.60E-10	1.15E-07
146	742648.94	4109930.94	4.89E-07	8.23E-07	9.08E-09	1.32E-06	7.59E-08	1.35E-07	1.36E-09	2.12E-07	7.38E-08	1.16E-07	1.73E-09	1.92E-07	4.19E-08	6.41E-08	4.26E-10	1.06E-07
147	742653.57	4109954.35	4.52E-07	7.61E-07	8.39E-09	1.22E-06	7.02E-08	1.25E-07	1.26E-09	1.96E-07	6.82E-08	1.07E-07	1.60E-09	1.77E-07	3.88E-08	5.93E-08	3.94E-10	9.84E-08
148	742658.21	4109977.76	4.19E-07	7.05E-07	7.77E-09	1.13E-06	6.49E-08	1.16E-07	1.17E-09	1.82E-07	6.32E-08	9.94E-08	1.48E-09	1.64E-07	3.59E-08	5.48E-08	3.65E-10	9.11E-08
149	742662.84	4110001.16	3.89E-07	6.54E-07	7.21E-09	1.05E-06	6.03E-08	1.07E-07	1.08E-09	1.69E-07	5.86E-08	9.23E-08	1.37E-09	1.52E-07	3.33E-08	5.09E-08	3.39E-10	8.46E-08
150	742667.47	4110024.57	3.63E-07	6.11E-07	6.73E-09	9.80E-07	5.63E-08	1.00E-07	1.01E-09	1.57E-07	5.47E-08	8.61E-08	1.28E-09	1.42E-07	3.11E-08	4.75E-08	3.16E-10	7.89E-08
151	742672.11	4110047.98	3.40E-07	5.72E-07	6.31E-09	9.19E-07	5.27E-08	9.38E-08	9.46E-10	1.48E-07	5.13E-08	8.07E-08	1.20E-09	1.33E-07	2.91E-08	4.45E-08	2.96E-10	7.40E-08
152	742676.74	4110071.39	3.20E-07	5.38E-07	5.93E-09	8.64E-07	4.96E-08	8.83E-08	8.90E-10	1.39E-07	4.82E-08	7.60E-08	1.13E-09	1.25E-07	2.74E-08	4.19E-08	2.79E-10	6.96E-08
153	742668.13	4110114.65	3.01E-07	5.07E-07	5.59E-09	8.14E-07	4.67E-08	8.31E-08	8.38E-10	1.31E-07	4.54E-08	7.15E-08	1.06E-09	1.18E-07	2.58E-08	3.94E-08	2.62E-10	6.55E-08
154	742654.89	4110134.51	3.00E-07	5.04E-07	5.56E-09	8.09E-07	4.65E-08	8.27E-08	8.34E-10	1.30E-07	4.52E-08	7.11E-08	1.06E-09	1.17E-07	2.57E-08	3.92E-08	2.61E-10	6.52E-08
155	742641.66	4110154.36	2.97E-07	5.00E-07	5.51E-09	8.02E-07	4.60E-08	8.19E-08	8.26E-10	1.29E-07	4.48E-08	7.05E-08	1.05E-09	1.16E-07	2.54E-08	3.89E-08	2.59E-10	6.46E-08
156	742628.42	4110174.21	2.93E-07	4.94E-07	5.44E-09	7.92E-07	4.55E-08	8.09E-08	8.16E-10	1.27E-07	4.42E-08	6.96E-08	1.04E-09	1.15E-07	2.51E-08	3.84E-08	2.55E-10	6.38E-08
157	742615.18	4110194.07	2.89E-07	4.86E-07	5.36E-09	7.80E-07	4.48E-08	7.97E-08	8.04E-10	1.25E-07	4.36E-08	6.86E-08	1.02E-09	1.13E-07	2.47E-08	3.78E-08	2.52E-10	6.28E-08
158	742601.94	4110213.92	2.84E-07	4.78E-07	5.27E-09	7.67E-07	4.40E-08	7.83E-08	7.90E-10	1.23E-07	4.28E-08	6.74E-08	1.00E-09	1.11E-07	2.43E-08	3.72E-08	2.47E-10	6.18E-08
159	742588.7	4110233.77	2.78E-07	4.68E-07	5.16E-09	7.52E-07	4.32E-08	7.68E-08	7.74E-10	1.21E-07	4.20E-08	6.61E-08	9.83E-10	1.09E-07	2.38E-08	3.64E-08	2.42E-10	6.05E-08
160	742575.46	4110253.63	2.72E-07	4.57E-07	5.04E-09	7.34E-07	4.21E-08	7.50E-08	7.56E-10	1.18E-07	4.10E-08	6.45E-08	9.60E-10	1.06E-07	2.33E-08	3.56E-08	2.37E-10	5.91E-08
161	742562.22	4110273.48	2.64E-07	4.44E-07	4.89E-09	7.13E-07	4.09E-08	7.28E-08	7.34E-10	1.14E-07	3.98E-08	6.26E-08	9.32E-10	1.03E-07	2.26E-08	3.45E-08	2.30E-10	5.74E-08
162	742548.99	4110293.34	2.55E-07	4.29E-07	4.73E-09	6.89E-07	3.96E-08	7.04E-08	7.10E-10	1.11E-07	3.85E-08	6.06E-08	9.01E-10	9.99E-08	2.19E-08	3.34E-08	2.22E-10	5.55E-08
163	742535.75	4110313.19	2.46E-07	4.14E-07	4.56E-09	6.64E-07	3.81E-08	6.78E-08	6.84E-10	1.07E-07	3.71E-08	5.84E-08	8.69E-10	9.63E-08	2.11E-08	3.22E-08	2.14E-10	5.35E-08
164	742522.51	4110333.04	2.37E-07	3.98E-07	4.39E-09	6.39E-07	3.67E-08	6.53E-08	6.58E-10	1.03E-07	3.57E-08	5.62E-08	8.36E-10	9.27E-08	2.03E-08	3.10E-08	2.06E-10	5.15E-08
165	742509.27	4110352.9	2.27E-07	3.83E-07	4.22E-09	6.14E-07	3.53E-08	6.27E-08	6.32E-10	9.86E-08	3.43E-08	5.40E-08	8.03E-10	8.91E-08	1.95E-08	2.98E-08	1.98E-10	4.94E-08
166	742496.03	4110372.75	2.18E-07	3.67E-07	4.04E-09	5.89E-07	3.38E-08	6.01E-08	6.06E-10	9.45E-08	3.29E-08	5.17E-08	7.70E-10	8.54E-08	1.87E-08	2.85E-08	1.90E-10	4.74E-08
167	742482.79	4110392.6	2.08E-07	3.50E-07	3.86E-09	5.63E-07	3.23E-08	5.75E-08	5.79E-10	9.03E-08	3.14E-08	4.94E-08	7.36E-10	8.16E-08	1.78E-08	2.73E-08	1.81E-10	4.53E-08
168	742607.24	4109720.26	8.65E-07	1.46E-06	1.60E-08	2.34E-06	1.34E-07	2.39E-07	2.41E-09	3.75E-07	1.30E-07	2.05E-07	3.05E-09	3.39E-07	7.41E-08	1.13E-07	7.53E-10	1.88E-07
169	742593.7	4109699.9	9.11E-07	1.53E-06	1.69E-08	2.46E-06	1.41E-07	2.51E-07	2.54E-09	3.95E-07	1.37E-07	2.16E-07	3.22E-09	3.57E-07	7.81E-08	1.19E-07	7.94E-10	1.98E-07
170	742580.15	4109679.54	9.37E-07	1.58E-06	1.74E-08	2.53E-06	1.45E-07	2.58E-07	2.61E-09	4.06E-07	1.41E-07	2.22E-07	3.31E-09	3.67E-07	8.03E-08	1.23E-07	8.16E-10	2.04E-07
171	742566.6	4109659.18	9.40E-07	1.58E-06	1.74E-08	2.54E-06	1.46E-07	2.59E-07	2.62E-09	4.08E-07	1.42E-07	2.23E-07	3.32E-09	3.68E-07	8.06E-08	1.23E-07	8.19E-10	2.05E-07
172	742553.05	4109638.81	9.24E-07	1.55E-06	1.71E-08	2.50E-06	1.43E-07	2.55E-07	2.57E-09	4.01E-07	1.39E-07	2.19E-07	3.26E-09	3.62E-07	7.92E-08	1.21E-07	8.05E-10	2.01E-07

173	742539.5	4109618.45	8.91E-07	1.50E-06	1.65E-08	2.41E-06	1.38E-07	2.46E-07	2.48E-09	3.86E-07	1.34E-07	2.11E-07	3.15E-09	3.49E-07	7.63E-08	1.17E-07	7.76E-10	1.94E-07
174	742525.95	4109598.09	8.44E-07	1.42E-06	1.57E-08	2.28E-06	1.31E-07	2.33E-07	2.35E-09	3.66E-07	1.27E-07	2.00E-07	2.98E-09	3.31E-07	7.23E-08	1.11E-07	7.35E-10	1.84E-07
175	742512.4	4109577.73	7.88E-07	1.33E-06	1.46E-08	2.13E-06	1.22E-07	2.17E-07	2.19E-09	3.42E-07	1.19E-07	1.87E-07	2.78E-09	3.09E-07	6.75E-08	1.03E-07	6.87E-10	1.71E-07
176	742498.85	4109557.37	7.27E-07	1.22E-06	1.35E-08	1.96E-06	1.13E-07	2.01E-07	2.02E-09	3.15E-07	1.10E-07	1.73E-07	2.57E-09	2.85E-07	6.23E-08	9.52E-08	6.33E-10	1.58E-07
177	742695.18	4109688.52	6.24E-07	1.05E-06	1.16E-08	1.68E-06	9.67E-08	1.72E-07	1.73E-09	2.70E-07	9.40E-08	1.48E-07	2.20E-09	2.44E-07	5.34E-08	8.17E-08	5.43E-10	1.36E-07
178	742699.86	4109712.17	5.97E-07	1.00E-06	1.11E-08	1.61E-06	9.25E-08	1.65E-07	1.66E-09	2.59E-07	9.00E-08	1.42E-07	2.11E-09	2.34E-07	5.11E-08	7.81E-08	5.20E-10	1.30E-07
179	742704.54	4109735.83	5.65E-07	9.50E-07	1.05E-08	1.53E-06	8.76E-08	1.56E-07	1.57E-09	2.45E-07	8.52E-08	1.34E-07	1.99E-09	2.21E-07	4.84E-08	7.39E-08	4.92E-10	1.23E-07
180	742709.22	4109759.48	5.33E-07	8.96E-07	9.88E-09	1.44E-06	8.26E-08	1.47E-07	1.48E-09	2.31E-07	8.03E-08	1.26E-07	1.88E-09	2.09E-07	4.56E-08	6.97E-08	4.64E-10	1.16E-07
181	742713.91	4109783.14	5.04E-07	8.48E-07	9.34E-09	1.36E-06	7.81E-08	1.39E-07	1.40E-09	2.18E-07	7.59E-08	1.20E-07	1.78E-09	1.97E-07	4.32E-08	6.59E-08	4.39E-10	1.10E-07
182	742718.59	4109806.79	4.78E-07	8.05E-07	8.87E-09	1.29E-06	7.42E-08	1.32E-07	1.33E-09	2.08E-07	7.21E-08	1.14E-07	1.69E-09	1.87E-07	4.10E-08	6.27E-08	4.17E-10	1.04E-07
183	742723.27	4109830.45	4.55E-07	7.66E-07	8.45E-09	1.23E-06	7.06E-08	1.26E-07	1.27E-09	1.98E-07	6.87E-08	1.08E-07	1.61E-09	1.78E-07	3.90E-08	5.96E-08	3.97E-10	9.91E-08
184	742727.95	4109854.1	4.32E-07	7.28E-07	8.02E-09	1.17E-06	6.71E-08	1.19E-07	1.20E-09	1.88E-07	6.52E-08	1.03E-07	1.53E-09	1.69E-07	3.71E-08	5.66E-08	3.77E-10	9.41E-08
185	742732.63	4109877.76	4.09E-07	6.88E-07	7.58E-09	1.10E-06	6.34E-08	1.13E-07	1.14E-09	1.77E-07	6.16E-08	9.70E-08	1.44E-09	1.60E-07	3.50E-08	5.35E-08	3.56E-10	8.89E-08
186	742737.31	4109901.41	3.84E-07	6.47E-07	7.13E-09	1.04E-06	5.96E-08	1.06E-07	1.07E-09	1.67E-07	5.80E-08	9.12E-08	1.36E-09	1.51E-07	3.29E-08	5.03E-08	3.35E-10	8.36E-08
187	742742	4109925.07	3.60E-07	6.06E-07	6.68E-09	9.73E-07	5.58E-08	9.93E-08	1.00E-09	1.56E-07	5.43E-08	8.55E-08	1.27E-09	1.41E-07	3.08E-08	4.71E-08	3.14E-10	7.83E-08
188	742746.68	4109948.72	3.37E-07	5.67E-07	6.25E-09	9.10E-07	5.22E-08	9.29E-08	9.37E-10	1.46E-07	5.08E-08	7.99E-08	1.19E-09	1.32E-07	2.89E-08	4.41E-08	2.93E-10	7.32E-08
189	742751.36	4109972.38	3.15E-07	5.30E-07	5.84E-09	8.51E-07	4.88E-08	8.69E-08	8.76E-10	1.37E-07	4.75E-08	7.48E-08	1.11E-09	1.23E-07	2.70E-08	4.12E-08	2.74E-10	6.85E-08
190	742756.04	4109996.03	2.95E-07	4.97E-07	5.47E-09	7.97E-07	4.58E-08	8.14E-08	8.21E-10	1.28E-07	4.45E-08	7.01E-08	1.04E-09	1.16E-07	2.53E-08	3.86E-08	2.57E-10	6.42E-08
191	742760.72	4110019.69	2.78E-07	4.67E-07	5.15E-09	7.50E-07	4.31E-08	7.66E-08	7.73E-10	1.20E-07	4.19E-08	6.59E-08	9.81E-10	1.09E-07	2.38E-08	3.64E-08	2.42E-10	6.04E-08
192	742765.41	4110043.34	2.63E-07	4.42E-07	4.87E-09	7.10E-07	4.07E-08	7.25E-08	7.31E-10	1.14E-07	3.96E-08	6.24E-08	9.28E-10	1.03E-07	2.25E-08	3.44E-08	2.29E-10	5.71E-08
193	742770.09	4110067	2.50E-07	4.20E-07	4.63E-09	6.75E-07	3.87E-08	6.89E-08	6.95E-10	1.08E-07	3.77E-08	5.93E-08	8.82E-10	9.78E-08	2.14E-08	3.27E-08	2.18E-10	5.43E-08
194	742774.77	4110090.65	2.38E-07	4.01E-07	4.42E-09	6.44E-07	3.70E-08	6.58E-08	6.63E-10	1.03E-07	3.60E-08	5.66E-08	8.42E-10	9.34E-08	2.04E-08	3.12E-08	2.08E-10	5.19E-08
195	742766.07	4110134.37	2.29E-07	3.85E-07	4.25E-09	6.19E-07	3.55E-08	6.32E-08	6.37E-10	9.93E-08	3.45E-08	5.44E-08	8.09E-10	8.97E-08	1.96E-08	3.00E-08	1.99E-10	4.98E-08
196	742752.69	4110154.43	2.29E-07	3.85E-07	4.25E-09	6.19E-07	3.55E-08	6.32E-08	6.37E-10	9.93E-08	3.45E-08	5.44E-08	8.09E-10	8.97E-08	1.96E-08	3.00E-08	2.00E-10	4.98E-08
197	742739.32	4110174.5	2.28E-07	3.84E-07	4.23E-09	6.17E-07	3.54E-08	6.30E-08	6.35E-10	9.90E-08	3.44E-08	5.42E-08	8.06E-10	8.94E-08	1.96E-08	2.99E-08	1.99E-10	4.97E-08
198	742725.94	4110194.56	2.27E-07	3.82E-07	4.21E-09	6.13E-07	3.52E-08	6.26E-08	6.31E-10	9.84E-08	3.42E-08	5.39E-08	8.01E-10	8.89E-08	1.94E-08	2.97E-08	1.98E-10	4.93E-08
199	742712.56	4110214.62	2.24E-07	3.78E-07	4.16E-09	6.06E-07	3.48E-08	6.19E-08	6.24E-10	9.74E-08	3.38E-08	5.33E-08	7.93E-10	8.79E-08	1.92E-08	2.94E-08	1.96E-10	4.88E-08
200	742699.18	4110234.68	2.21E-07	3.73E-07	4.11E-09	5.98E-07	3.43E-08	6.11E-08	6.16E-10	9.61E-08	3.34E-08	5.26E-08	7.82E-10	8.67E-08	1.90E-08	2.90E-08	1.93E-10	4.82E-08
201	742685.8	4110254.75	2.18E-07	3.67E-07	4.05E-09	5.89E-07	3.38E-08	6.02E-08	6.07E-10	9.46E-08	3.29E-08	5.18E-08	7.71E-10	8.55E-08	1.87E-08	2.86E-08	1.90E-10	4.75E-08
202	742672.43	4110274.81	2.15E-07	3.61E-07	3.98E-09	5.80E-07	3.33E-08	5.92E-08	5.97E-10	9.31E-08	3.24E-08	5.10E-08	7.59E-10	8.41E-08	1.84E-08	2.81E-08	1.87E-10	4.67E-08
203	742659.05	4110294.87	2.11E-07	3.55E-07	3.91E-09	5.70E-07	3.27E-08	5.82E-08	5.87E-10	9.15E-08	3.18E-08	5.01E-08	7.45E-10	8.26E-08	1.81E-08	2.76E-08	1.84E-10	4.59E-08
204	742645.67	4110314.93	2.06E-07	3.47E-07	3.82E-09	5.57E-07	3.19E-08	5.68E-08	5.73E-10	8.94E-08	3.11E-08	4.89E-08	7.28E-10	8.07E-08	1.77E-08	2.70E-08	1.79E-10	4.48E-08
205	742632.29	4110335	2.00E-07	3.37E-07	3.71E-09	5.40E-07	3.10E-08	5.52E-08	5.57E-10	8.68E-08	3.02E-08	4.75E-08	7.07E-10	7.84E-08	1.71E-08	2.62E-08	1.74E-10	4.35E-08
206	742618.91	4110355.06	1.93E-07	3.25E-07	3.58E-09	5.22E-07	3.00E-08	5.33E-08	5.38E-10	8.38E-08	2.91E-08	4.59E-08	6.83E-10	7.57E-08	1.66E-08	2.53E-08	1.68E-10	4.20E-08
207	742605.54	4110375.12	1.86E-07	3.13E-07	3.45E-09	5.03E-07	2.89E-08	5.14E-08	5.18E-10	8.08E-08	2.81E-08	4.42E-08	6.58E-10	7.30E-08	1.60E-08	2.44E-08	1.62E-10	4.05E-08
208	742592.16	4110395.19	1.80E-07	3.02E-07	3.33E-09	4.85E-07	2.79E-08	4.96E-08	5.00E-10	7.79E-08	2.71E-08	4.26E-08	6.34E-10	7.04E-08	1.54E-08	2.35E-08	1.56E-10	3.91E-08
209	742578.78	4110415.25	1.74E-07	2.92E-07	3.22E-09	4.69E-07	2.69E-08	4.79E-08	4.83E-10	7.53E-08	2.62E-08	4.12E-08	6.13E-10	6.80E-08	1.49E-08	2.27E-08	1.51E-10	3.77E-08
210	742565.4	4110435.31	1.68E-07	2.82E-07	3.11E-09	4.53E-07	2.60E-08	4.63E-08	4.67E-10	7.28E-08	2.53E-08	3.98E-08	5.93E-10	6.57E-08	1.44E-08	2.20E-08	1.46E-10	3.65E-08
211	742552.02	4110455.37	1.62E-07	2.72E-07	3.00E-09	4.37E-07	2.51E-08	4.47E-08	4.50E-10	7.02E-08	2.44E-08	3.84E-08	5.72E-10	6.34E-08	1.39E-08	2.12E-08	1.41E-10	3.52E-08
212	742538.65	4110475.44	1.56E-07	2.62E-07	2.89E-09	4.21E-07	2.41E-08	4.29E-08	4.33E-10	6.75E-08	2.35E-08	3.70E-08	5.50E-10	6.10E-08	1.33E-08	2.04E-08	1.36E-10	3.39E-08
213	742690.5	4109664.86	6.42E-07	1.08E-06	1.19E-08	1.73E-06	9.96E-08	1.77E-07	1.79E-09	2.79E-07	9.68E-08	1.52E-07	2.27E-09	2.52E-07	5.50E-08	8.41E-08	5.59E-10	1.40E-07
214	742676.95	4109644.5	6.69E-07	1.13E-06	1.24E-08	1.81E-06	1.04E-07	1.85E-07	1.86E-09	2.90E-07	1.01E-07	1.59E-07	2.36E-09	2.62E-07	5.73E-08	8.76E-08	5.83E-10	1.46E-07
215	742663.4	4109624.14	6.84E-07	1.15E-06	1.27E-08	1.85E-06	1.06E-07	1.89E-07	1.90E-09	2.97E-07	1.03E-07	1.62E-07	2.42E-09	2.68E-07	5.86E-08	8.96E-08	5.96E-10	1.49E-07
216	742649.85	4109603.78	6.88E-07	1.16E-06	1.28E-08	1.86E-06	1.07E-07	1.90E-07	1.91E-09	2.98E-07	1.04E-07	1.63E-07	2.43E-09	2.69E-07	5.89E-08	9.00E-08	5.99E-10	1.50E-07
217	742636.3	4109583.42	6.80E-07	1.14E-06	1.26E-08	1.84E-06	1.05E-07	1.88E-07	1.89E-09	2.95E-07	1.02E-07	1.61E-07	2.40E-09	2.66E-07	5.82E-08	8.90E-08	5.92E-10	1.48E-07
218	742622.75	4109563.06	6.62E-07	1.11E-06	1.23E-08	1.79E-06	1.03E-07	1.83E-07	1.84E-09	2.87E-07	9.99E-08	1.57E-07	2.34E-09	2.59E-07	5.68E-08	8.67E-08	5.77E-10	1.44E-07
219	742609.21	4109542.69	6.37E-07	1.07E-06	1.18E-08	1.72E-06	9.89E-08	1.76E-07	1.77E-09	2.76E-07	9.61E-08	1.51E-07	2.25E-09	2.50E-07	5.46E-08	8.35E-08	5.55E-10	1.39E-07
220	742595.66	4109522.33	6.06E-07	1.02E-06	1.12E-08	1.64E-06	9.40E-08	1.67E-07	1.69E-09	2.63E-07	9.15E-08	1.44E-07	2.14E-09	2.38E-07	5.20E-08	7.94E-08	5.28E-10	1.32E-07
221	742582.11	4109501.97	5.71E-07	9.61E-07	1.06E-08	1.54E-06	8.85E-08	1.57E-07	1.59E-09	2.48E-07	8.61E-08	1.36E-07	2.02E-09	2.24E-07	4.89E-08	7.47E-08	4.97E-10	1.24E-07
222	742778.47	4109633.3	4.88E-07	8.22E-07	9.06E-09	1.32E-06	7.57E-08	1.35E-07	1.36E-09	2.12E-07	7.36E-08	1.16E-07	1.72E-09	1.91E-07	4.18E-08	6.39E-08	4.25E-10	1.06E-07
223	742783.19	4109657.13	4.71E-07	7.93E-07	8.74E-09	1.27E-06	7.30E-08	1.30E-07	1.31E-09	2.04E-07	7.10E-08	1.12E-07	1.66E-09	1.85E-07	4.04E-08	6.17E-08	4.10E-10	1.02E-07
224	742787.9	4109680.97	4.49E-07	7.56E-07	8.33E-09	1.21E-06	6.97E-08	1.24E-07	1.25E-09	1.95E-07	6.78E-08	1.07E-07	1.59E-09	1.76E-07	3.85E-08	5.88E-08	3.91E-10	9.77E-08
225	742792.62	4109704.8	4.26E-07	7.17E-07	7.90E-09	1.15E-06	6.60E-08	1.17E-07	1.18E-09	1.85E-07	6.42E-08	1.01E-07	1.50E-09	1.67E-07	3.65E-08	5.58E-08	3.71E-10	9.26E-08
226	742797.34	4109728.64	4.03E-07	6.79E-07	7.48E-09	1.09E-06	6.26E-08	1.11E-07	1.12E-09	1.75E-07	6.08E-08	9.58E-08	1.43E-09	1.58E-07	3.46E-08	5.28E-08	3.51E-10	8.77E-08
227	742802.05	4109752.47	3.84E-07	6.46E-07	7.12E-09	1.04E-06	5.96E-08	1.06E-07	1.07E-09	1.67E-07	5.79E-08	9.12E-08	1.36E-09	1.50E-07	3.29E-08	5.03E-08	3.35E-10	8.35E-08
228	742806.77	4109776.3	3.68E-07	6.19E-07	6.83E-09	9.94E-07	5.71E-08	1.02E-07	1.02E-09	1.60E-07	5.55E-08	8.74E-08	1.30E-09	1.44E-07	3.15E-08	4.82E-08	3.21E-10	8.00E-08
229	742811.49	4109800.14	3.54E-07	5.96E-07	6.57E-09	9.57E-07	5.49E-08	9.77E-08	9.85E-10	1.54E-07	5.34E-08	8.41E-08	1.25E-09	1.39E-07	3.03E-08	4.64E-08	3.09E-10	7.70E-08
230	742816.21	4109823.97	3.41E-07	5.74E-07	6.32E-09	9.21E-07	5.29E-08	9.40E-08	9.48E-10	1.48E-07	5.14E-08	8.09E-08	1.20E-09	1.34E-07	2.92E-08	4.46E-08	2.97E-10	7.41E-08
231	742820.92	4109847.81	3.27E-07	5.50E-07	6.06E-09	8.83E-07	5.07E-08	9.01E-08	9.09E-10	1.42E-07	4.93E-08	7.76E-08	1.15E-09	1.28E-07	2.80E-08	4.28E-08	2.85E-10	7.11E-08
232	742825.64	4109871.64	3.11E-07	5.24E-07	5.77E-09	8.41E-07	4.83E-08	8.59E-08	8.66E-10	1.35E-07	4.69E-08	7.39E-08	1.10E-09	1.22E-07	2.67E-08	4.08E-08	2.71E-10	6.77E-08
233	742830.36	4109895.48	2.95E-07	4.96E-07	5.47E-09	7.97E-07	4.57E-08	8.14E-08	8.21E-10	1.28E-07	4.45E-08	7.00E-08	1.04E-09	1.16E-07	2.53E-08	3.86E-08	2.57E-10	6.41E-08
234	742835.07	4109919.31	2.78E-07	4.68E-07	5.16E-09	7.52E-07	4.32E-08	7.68E-08	7.74E-10	1.21E-07	4.20E-08	6.61E-08	9.83E-10	1.09E-07	2.38E-08	3.64E-08	2.42E-10	6.05E-08
235	742839.79	4109943.14	2.62E-07	4.41E-07	4.86E-09	7.08E-07	4.07E-08	7.23E-08	7.29E-10	1.14E-07	3.95E-08	6.22E-08	9.26E-10	1.03E-07	2.25E-08	3.43E-08	2.28E-10	5.70E-08
236	742844.51	4109966.98	2.47E-07	4.16E-07	4.58E-09	6.67E-07	3.83E-08	6.81E-08	6.87E-10	1.07E-07	3.72E-08	5.86E-08	8.73E-10	9.68E-08	2.12E-08	3.23E-08	2.15E-10	5.37E-08
237	742849.23	4109990.81	2.33E-07	3.92E-07	4.32E-09	6.30E-07	3.62E-08	6.43E-08	6.49E-10	1.01E-07	3.52E-08	5.54E-08	8.24E-10	9.13E-08	2.00E-08	3.05E-08	2.03E-10	5.07E-08
238	742853.94	4110014.65	2.21E-07	3.72E-07	4.10E-09	5.96E-07	3.42E-08	6.09E-08	6.14E-10	9.58E-08	3.33E-08	5.24E-08	7.80E-10	8.65E-08	1.89E-08	2.89E-08	1.92E-10	4.80E-08
239	742858.66	4110038.48	2.10E-07	3.53E-07	3.90E-09	5.67E-07	3.26E-08	5.79E-08	5.84E-10	9.11E-08	3.17E-08	4.99E-08	7.42E-10	8.23E-08	1.80E-08	2.75E-08	1.83E-10	4.57E-08
240	742863.38	4110062.32	2.01E-07	3.38E-07	3.72E-09	5.42E-07	3.11E-08	5.54E-08	5.59E-10	8.71E-08	3.03E-08	4.77E-08	7.09E-10	7.86E-08	1.72E-08	2.63E-08	1.75E-10	4.37E-08
241	742868.09	4110086.15	1.93E-07	3.24E-07	3.58E-09	5.21E-07	2.99E-08	5.32E-08	5.36E-10	8.36E-08	2.91E-08	4.58E-08	6.81E-10	7.55E-08	1.65E-08	2.52E-08	1.68E-10	4.19E-08
242	742872.81	4110109.98	1.86E-07	3.13E-07	3.45E-09	5.02E-07	2.88E-08	5.13E-08	5.17E-10	8.07E-08	2.80E-08	4.41E-08	6.57E-10	7.28E-08	1.59E-08	2.43E-08	1.62E-10	4.04E-08
243	742864.05	4110154.03	1.81E-07	3.05E-07	3.36E-09	4.90E-07	2.81E-08	5.00E-08	5.04E-10	7.86E-08	2.73E-08	4.30E-08	6.40E-10	7.10E-08	1.55E-08	2.37E-08	1.58E-10	3.94E-08
244	742850.57	4110174.25	1.82E-07	3.07E-07	3.38E-09	4.92E-07	2.82E-08	5.03E-08	5.07E-10	7.90E-08	2.75E-08	4.32E-08	6.43E-10	7.14E-08	1.56E-08	2.39E-08	1.59E-10	3.96E-08
245	742837.09	4110194.46	1.82E-07	3.07E-07	3.38E-09	4.93E-07	2.83E-08	5.03E-08	5.07E-10	7.91E-08	2.75E-08	4.33E-08	6.44E-10	7.14E-08	1.56E-08	2.39E-08	1.59E-10	3.97E-08
246	742823.61	4110214.68	1.82E-07	3.06E-07	3.37E-09	4.91E-07	2.82E-08	5.02E-08	5.06E-10	7.89E-08	2.74E-08	4.32E-08	6.42E-10	7.12E-08	1.56E-08	2.38E-08	1.58E-10	3.96E-08
247	742810.13	4110234.89	1.81E-07	3.04E-07	3.35E-09	4.88E-07	2.80E-08	4.98E-08	5.03E-10	7.84E-08	2.72E-08	4.29E-08	6.38E-10	7.08E-08	1.55E-08	2.37E-08	1.57E-10	3.93E-08
248	742796.65	4110255.11	1.79E-07	3.01E-07	3.32E-09	4.83E-07	2.77E-08	4.94E-08	4.98E-10	7.76E-08	2.70E-08	4.25E-08	6.32E-10	7.01E-08	1.53E-08	2.34E-08	1.56E-10	3.89E-08
249	742783.17	4110275.32	1.77E-07	2.97E-07	3.28E-09	4.77E-07	2.74E-08	4.87E-08	4.92E-10	7.66E-08	2.66E-08	4.19E-08	6.24E-10	6.92E-08	1.51E-08	2.31E-08	1.54E-10	3.84E-08
250	742769.69	4110295.54	1.74E-07	2.93E-07	3.23E-09	4.71E-07	2.70E-08	4.81E-08	4.85E-10	7.56E-08	2.63E-08	4.14E-08	6.15E-10	6.82E-08	1.49E-08	2.28E-08	1.52E-10	3.79E-08
251	742756.21	4110315.75	1.72E-07	2.89E-07	3.18E-09	4.63E-07	2.66E-08	4.73E-08	4.77E-10	7.44E-08	2.59E-08	4.07E-08	6.06E-10	6.72E-08	1.47E-08	2.25E-08	1.49E-10	3.73E-08
252	742742.73	4110335.96	1.69E-07	2.84E-07	3.13E-09	4.56E-07	2.62E-08	4.66E-08	4.70E-10	7.32E-08	2.54E-08	4.01E-08	5.96E-10	6.61E-08	1.45E-08	2.21E-08	1.47E-10	3.67E-08
253	742729.26	4110356.18	1.65E-07	2.79E-07	3.07E-09	4.47E-07	2.57E-08	4.57E-08	4.60E-10	7.18E-08	2.50E-08	3.93E-08	5.85E-10	6.48E-08	1.42E-08	2.17E-08	1.44E-10	3.60E-08
254	742715.78	4110376.39	1.62E-07	2.72E-07	3.00E-09	4.36E-07	2.51E-08	4.46E-08	4.49E-10	7.01E-08	2.44E-08	3.84E-08	5.71E-10	6.33E-08	1.38E-08	2.12E-08	1.41E-10	3.51E-08
255	742702.3	4110396.61	1.57E-07	2.64E-07	2.91E-09	4.24E-07	2.43E-08	4.33E-08	4.37E-10	6.81E-08	2.37E-08	3.73E-08	5.54E-10	6.15E-08	1.34E-08	2.05E-08	1.37E-10	3.41E-08
256	742688.82	4110416.82	1.52E-07	2.56E-07	2.82E-09	4.10E-07	2.35E-08	4.19E-08	4.22E-10	6.59E-08	2.29E-08	3.61E-08	5.36E-10	5.95E-08	1.30E-08	1.99E-08	1.32E-10	3.30E-08
257	742675.34	4110437.04	1.47E-07	2.47E-07	2.72E-09	3.97E-07	2.28E-08	4.05E-08	4.09E-10	6.37E-08	2.21E-08	3.49E-08	5.19E-10	5.75E-08	1.26E-08	1.92E-08	1.28E-10	3.19E-08
258	742661.86	4110457.25	1.42E-07	2.39E-07	2.64E-09	3.84E-07	2.21E-08	3.93E-08	3.96E-10	6.17E-08	2.15E-08	3.38E-08	5.03E-10	5.57E-08	1.22E-08	1.86E-08	1.24E-10	3.10E-08
259	742648.38	4110477.47	1.38E-07	2.33E-07	2.57E-09	3.74E-07	2.15E-08	3.82E-08	3.85E-10	6.00E-08	2.09E-08	3.28E-08	4.89E-10	5.42E-08	1.19E-08	1.81E-08	1.21E-10	3.01E-08
260	742634.9	4110497.68	1.35E-07	2.27E-07	2.50E-09	3.64E-07	2.09E-08	3.72E-08	3.75E-10	5.84E-08	2.03E-08	3.20E-08	4.76E-10	5.27E-08	1.15E-08	1.76E-08	1.17E-10	2.93E-08

261	742621.42	4110517.9	1.31E-07	2.20E-07	2.43E-09	3.54E-07	2.03E-08	3.61E-08	3.64E-10	5.68E-08	1.97E-08	3.11E-08	4.62E-10	5.13E-08	1.12E-08	1.71E-08	1.14E-10	2.85E-08
262	742607.94	4110538.11	1.27E-07	2.13E-07	2.35E-09	3.42E-07	1.97E-08	3.50E-08	3.53E-10	5.50E-08	1.91E-08	3.01E-08	4.48E-10	4.97E-08	1.09E-08	1.66E-08	1.10E-10	2.76E-08
263	742594.46	4110558.33	1.22E-07	2.06E-07	2.27E-09	3.30E-07	1.90E-08	3.37E-08	3.40E-10	5.30E-08	1.84E-08	2.90E-08	4.32E-10	4.79E-08	1.05E-08	1.60E-08	1.07E-10	2.66E-08
264	742773.75	4109609.46	4.99E-07	8.40E-07	9.26E-09	1.35E-06	7.75E-08	1.38E-07	1.39E-09	2.17E-07	7.53E-08	1.19E-07	1.76E-09	1.96E-07	4.28E-08	6.54E-08	4.35E-10	1.09E-07
265	742760.2	4109589.1	5.16E-07	8.69E-07	9.57E-09	1.39E-06	8.00E-08	1.42E-07	1.44E-09	2.24E-07	7.78E-08	1.23E-07	1.82E-09	2.02E-07	4.42E-08	6.76E-08	4.50E-10	1.12E-07
266	742746.65	4109568.74	5.25E-07	8.84E-07	9.75E-09	1.42E-06	8.15E-08	1.45E-07	1.46E-09	2.28E-07	7.92E-08	1.25E-07	1.86E-09	2.06E-07	4.50E-08	6.88E-08	4.58E-10	1.14E-07
267	742733.1	4109548.38	5.28E-07	8.88E-07	9.79E-09	1.43E-06	8.18E-08	1.46E-07	1.47E-09	2.29E-07	7.96E-08	1.25E-07	1.86E-09	2.07E-07	4.52E-08	6.91E-08	4.60E-10	1.15E-07
268	742719.56	4109528.02	5.23E-07	8.80E-07	9.70E-09	1.41E-06	8.11E-08	1.44E-07	1.46E-09	2.27E-07	7.89E-08	1.24E-07	1.85E-09	2.05E-07	4.48E-08	6.85E-08	4.56E-10	1.14E-07
269	742706.01	4109507.66	5.13E-07	8.63E-07	9.52E-09	1.39E-06	7.96E-08	1.42E-07	1.43E-09	2.23E-07	7.74E-08	1.22E-07	1.81E-09	2.01E-07	4.40E-08	6.72E-08	4.47E-10	1.12E-07
270	742692.46	4109487.3	4.98E-07	8.38E-07	9.24E-09	1.35E-06	7.73E-08	1.37E-07	1.39E-09	2.16E-07	7.51E-08	1.18E-07	1.76E-09	1.95E-07	4.27E-08	6.52E-08	4.34E-10	1.08E-07
271	742678.91	4109466.93	4.80E-07	8.07E-07	8.90E-09	1.30E-06	7.44E-08	1.32E-07	1.33E-09	2.08E-07	7.23E-08	1.14E-07	1.69E-09	1.88E-07	4.11E-08	6.28E-08	4.18E-10	1.04E-07
272	742665.36	4109446.57	4.58E-07	7.71E-07	8.50E-09	1.24E-06	7.11E-08	1.26E-07	1.27E-09	1.99E-07	6.91E-08	1.09E-07	1.62E-09	1.79E-07	3.93E-08	6.00E-08	3.99E-10	9.97E-08
273	742944.86	4109521.91	3.29E-07	5.53E-07	6.10E-09	8.88E-07	5.10E-08	9.07E-08	9.14E-10	1.43E-07	4.96E-08	7.80E-08	1.16E-09	1.29E-07	2.82E-08	4.30E-08	2.86E-10	7.15E-08
274	742949.46	4109545.16	3.22E-07	5.41E-07	5.97E-09	8.69E-07	4.99E-08	8.88E-08	8.95E-10	1.40E-07	4.85E-08	7.64E-08	1.14E-09	1.26E-07	2.76E-08	4.21E-08	2.80E-10	7.00E-08
275	742954.06	4109568.41	3.12E-07	5.25E-07	5.78E-09	8.42E-07	4.84E-08	8.60E-08	8.68E-10	1.35E-07	4.70E-08	7.40E-08	1.10E-09	1.22E-07	2.67E-08	4.08E-08	2.72E-10	6.78E-08
276	742958.66	4109591.66	3.00E-07	5.04E-07	5.56E-09	8.10E-07	4.65E-08	8.27E-08	8.34E-10	1.30E-07	4.52E-08	7.12E-08	1.06E-09	1.17E-07	2.57E-08	3.92E-08	2.61E-10	6.52E-08
277	742963.26	4109614.9	2.86E-07	4.82E-07	5.31E-09	7.73E-07	4.44E-08	7.90E-08	7.97E-10	1.24E-07	4.32E-08	6.80E-08	1.01E-09	1.12E-07	2.45E-08	3.75E-08	2.49E-10	6.23E-08
278	742967.86	4109638.15	2.73E-07	4.59E-07	5.06E-09	7.37E-07	4.23E-08	7.52E-08	7.59E-10	1.18E-07	4.11E-08	6.47E-08	9.63E-10	1.07E-07	2.34E-08	3.57E-08	2.38E-10	5.93E-08
279	742972.46	4109661.4	2.60E-07	4.38E-07	4.83E-09	7.03E-07	4.04E-08	7.18E-08	7.24E-10	1.13E-07	3.92E-08	6.18E-08	9.19E-10	1.02E-07	2.23E-08	3.41E-08	2.27E-10	5.66E-08
280	742977.06	4109684.65	2.50E-07	4.20E-07	4.63E-09	6.74E-07	3.87E-08	6.89E-08	6.95E-10	1.08E-07	3.76E-08	5.93E-08	8.82E-10	9.78E-08	2.14E-08	3.27E-08	2.17E-10	5.43E-08
281	742981.67	4109707.89	2.41E-07	4.06E-07	4.48E-09	6.52E-07	3.74E-08	6.66E-08	6.71E-10	1.05E-07	3.64E-08	5.73E-08	8.52E-10	9.45E-08	2.07E-08	3.16E-08	2.10E-10	5.25E-08
282	742986.27	4109731.14	2.35E-07	3.95E-07	4.36E-09	6.35E-07	3.64E-08	6.48E-08	6.54E-10	1.02E-07	3.54E-08	5.58E-08	8.30E-10	9.20E-08	2.01E-08	3.08E-08	2.05E-10	5.11E-08
283	742990.87	4109754.39	2.30E-07	3.87E-07	4.26E-09	6.21E-07	3.56E-08	6.34E-08	6.39E-10	9.97E-08	3.47E-08	5.46E-08	8.12E-10	9.00E-08	1.97E-08	3.01E-08	2.00E-10	5.00E-08
284	742995.47	4109777.63	2.25E-07	3.79E-07	4.17E-09	6.08E-07	3.49E-08	6.21E-08	6.26E-10	9.76E-08	3.39E-08	5.34E-08	7.95E-10	8.81E-08	1.93E-08	2.95E-08	1.96E-10	4.89E-08
285	743000.07	4109800.88	2.20E-07	3.70E-07	4.07E-09	5.93E-07	3.41E-08	6.06E-08	6.11E-10	9.53E-08	3.31E-08	5.21E-08	7.76E-10	8.60E-08	1.88E-08	2.88E-08	1.91E-10	4.78E-08
286	743004.67	4109824.13	2.13E-07	3.59E-07	3.96E-09	5.76E-07	3.31E-08	5.89E-08	5.94E-10	9.25E-08	3.22E-08	5.06E-08	7.54E-10	8.36E-08	1.83E-08	2.79E-08	1.86E-10	4.64E-08
287	743009.27	4109847.38	2.06E-07	3.47E-07	3.82E-09	5.56E-07	3.19E-08	5.68E-08	5.73E-10	8.93E-08	3.11E-08	4.89E-08	7.27E-10	8.07E-08	1.76E-08	2.70E-08	1.79E-10	4.48E-08
288	743013.87	4109870.62	1.98E-07	3.33E-07	3.67E-09	5.34E-07	3.06E-08	5.45E-08	5.50E-10	8.57E-08	2.98E-08	4.69E-08	6.98E-10	7.74E-08	1.69E-08	2.59E-08	1.72E-10	4.30E-08
289	743018.47	4109893.87	1.89E-07	3.18E-07	3.50E-09	5.10E-07	2.93E-08	5.21E-08	5.25E-10	8.19E-08	2.85E-08	4.48E-08	6.67E-10	7.40E-08	1.62E-08	2.47E-08	1.65E-10	4.11E-08
290	743023.07	4109917.12	1.80E-07	3.03E-07	3.34E-09	4.86E-07	2.79E-08	4.97E-08	5.01E-10	7.81E-08	2.72E-08	4.28E-08	6.36E-10	7.05E-08	1.54E-08	2.36E-08	1.57E-10	3.92E-08
291	743027.68	4109940.37	1.72E-07	2.89E-07	3.18E-09	4.64E-07	2.66E-08	4.73E-08	4.77E-10	7.44E-08	2.59E-08	4.07E-08	6.06E-10	6.72E-08	1.47E-08	2.25E-08	1.49E-10	3.73E-08
292	743032.28	4109963.61	1.64E-07	2.76E-07	3.04E-09	4.42E-07	2.54E-08	4.52E-08	4.56E-10	7.10E-08	2.47E-08	3.89E-08	5.78E-10	6.41E-08	1.40E-08	2.14E-08	1.43E-10	3.56E-08
293	743036.88	4109986.86	1.57E-07	2.63E-07	2.90E-09	4.23E-07	2.43E-08	4.32E-08	4.36E-10	6.79E-08	2.36E-08	3.72E-08	5.53E-10	6.13E-08	1.34E-08	2.05E-08	1.36E-10	3.41E-08
294	743041.48	4110010.11	1.50E-07	2.53E-07	2.78E-09	4.06E-07	2.33E-08	4.14E-08	4.18E-10	6.51E-08	2.26E-08	3.56E-08	5.30E-10	5.88E-08	1.29E-08	1.97E-08	1.31E-10	3.26E-08
295	743046.08	4110033.35	1.44E-07	2.43E-07	2.68E-09	3.90E-07	2.24E-08	3.98E-08	4.02E-10	6.26E-08	2.18E-08	3.43E-08	5.10E-10	5.66E-08	1.24E-08	1.89E-08	1.26E-10	3.14E-08
296	743050.68	4110056.6	1.39E-07	2.34E-07	2.58E-09	3.76E-07	2.16E-08	3.84E-08	3.87E-10	6.04E-08	2.10E-08	3.31E-08	4.92E-10	5.46E-08	1.19E-08	1.82E-08	1.21E-10	3.03E-08
297	743055.28	4110079.85	1.35E-07	2.27E-07	2.50E-09	3.64E-07	2.09E-08	3.72E-08	3.75E-10	5.85E-08	2.03E-08	3.20E-08	4.76E-10	5.28E-08	1.15E-08	1.76E-08	1.17E-10	2.93E-08
298	743059.88	4110103.1	1.31E-07	2.20E-07	2.43E-09	3.53E-07	2.03E-08	3.61E-08	3.64E-10	5.67E-08	1.97E-08	3.11E-08	4.62E-10	5.12E-08	1.12E-08	1.71E-08	1.14E-10	2.85E-08
299	743064.48	4110126.34	1.27E-07	2.14E-07	2.36E-09	3.44E-07	1.98E-08	3.51E-08	3.54E-10	5.53E-08	1.92E-08	3.02E-08	4.50E-10	4.99E-08	1.09E-08	1.67E-08	1.11E-10	2.77E-08
300	743069.08	4110149.59	1.24E-07	2.09E-07	2.31E-09	3.36E-07	1.93E-08	3.43E-08	3.46E-10	5.40E-08	1.88E-08	2.95E-08	4.39E-10	4.87E-08	1.07E-08	1.63E-08	1.08E-10	2.71E-08
301	743060.54	4110192.55	1.23E-07	2.07E-07	2.28E-09	3.32E-07	1.91E-08	3.40E-08	3.42E-10	5.34E-08	1.86E-08	2.92E-08	4.35E-10	4.82E-08	1.05E-08	1.61E-08	1.07E-10	2.68E-08
302	743047.39	4110212.27	1.24E-07	2.09E-07	2.31E-09	3.36E-07	1.93E-08	3.43E-08	3.46E-10	5.39E-08	1.87E-08	2.95E-08	4.39E-10	4.87E-08	1.07E-08	1.63E-08	1.08E-10	2.70E-08
303	743034.24	4110231.99	1.25E-07	2.11E-07	2.33E-09	3.39E-07	1.94E-08	3.46E-08	3.49E-10	5.44E-08	1.89E-08	2.98E-08	4.43E-10	4.91E-08	1.07E-08	1.64E-08	1.09E-10	2.73E-08
304	743021.1	4110251.7	1.26E-07	2.12E-07	2.34E-09	3.40E-07	1.95E-08	3.48E-08	3.51E-10	5.47E-08	1.90E-08	2.99E-08	4.45E-10	4.94E-08	1.08E-08	1.65E-08	1.10E-10	2.74E-08
305	743007.95	4110271.42	1.26E-07	2.13E-07	2.34E-09	3.41E-07	1.96E-08	3.49E-08	3.51E-10	5.48E-08	1.91E-08	3.00E-08	4.46E-10	4.95E-08	1.08E-08	1.65E-08	1.10E-10	2.75E-08
306	742994.8	4110291.14	1.26E-07	2.12E-07	2.34E-09	3.41E-07	1.96E-08	3.48E-08	3.51E-10	5.47E-08	1.90E-08	3.00E-08	4.46E-10	4.94E-08	1.08E-08	1.65E-08	1.10E-10	2.74E-08
307	742981.65	4110310.85	1.26E-07	2.11E-07	2.33E-09	3.39E-07	1.95E-08	3.46E-08	3.49E-10	5.45E-08	1.89E-08	2.98E-08	4.43E-10	4.92E-08	1.08E-08	1.64E-08	1.09E-10	2.73E-08
308	742968.51	4110330.57	1.25E-07	2.10E-07	2.31E-09	3.36E-07	1.93E-08	3.44E-08	3.46E-10	5.40E-08	1.88E-08	2.96E-08	4.40E-10	4.88E-08	1.07E-08	1.63E-08	1.08E-10	2.71E-08
309	742955.36	4110350.29	1.23E-07	2.07E-07	2.28E-09	3.33E-07	1.91E-08	3.40E-08	3.43E-10	5.34E-08	1.86E-08	2.92E-08	4.35E-10	4.82E-08	1.06E-08	1.61E-08	1.07E-10	2.68E-08
310	742942.21	4110370	1.21E-07	2.04E-07	2.25E-09	3.28E-07	1.88E-08	3.35E-08	3.38E-10	5.27E-08	1.83E-08	2.88E-08	4.29E-10	4.76E-08	1.04E-08	1.59E-08	1.06E-10	2.64E-08
311	742929.06	4110389.72	1.20E-07	2.01E-07	2.22E-09	3.23E-07	1.85E-08	3.30E-08	3.33E-10	5.19E-08	1.80E-08	2.84E-08	4.22E-10	4.68E-08	1.02E-08	1.57E-08	1.04E-10	2.60E-08
312	742915.92	4110409.44	1.17E-07	1.98E-07	2.18E-09	3.17E-07	1.82E-08	3.24E-08	3.27E-10	5.09E-08	1.77E-08	2.79E-08	4.15E-10	4.60E-08	1.01E-08	1.54E-08	1.02E-10	2.55E-08
313	742902.77	4110429.16	1.15E-07	1.94E-07	2.14E-09	3.11E-07	1.79E-08	3.18E-08	3.20E-10	4.99E-08	1.74E-08	2.73E-08	4.07E-10	4.51E-08	9.87E-09	1.51E-08	1.00E-10	2.50E-08
314	742889.62	4110448.87	1.13E-07	1.90E-07	2.09E-09	3.05E-07	1.75E-08	3.11E-08	3.14E-10	4.89E-08	1.70E-08	2.68E-08	3.98E-10	4.42E-08	9.67E-09	1.48E-08	9.83E-11	2.45E-08
315	742876.47	4110468.59	1.10E-07	1.86E-07	2.05E-09	2.98E-07	1.71E-08	3.05E-08	3.07E-10	4.79E-08	1.67E-08	2.62E-08	3.90E-10	4.33E-08	9.46E-09	1.45E-08	9.62E-11	2.40E-08
316	742863.33	4110488.31	1.08E-07	1.82E-07	2.01E-09	2.92E-07	1.68E-08	2.98E-08	3.01E-10	4.69E-08	1.63E-08	2.57E-08	3.82E-10	4.23E-08	9.26E-09	1.42E-08	9.42E-11	2.35E-08
317	742850.18	4110508.02	1.06E-07	1.78E-07	1.96E-09	2.86E-07	1.64E-08	2.92E-08	2.94E-10	4.59E-08	1.60E-08	2.51E-08	3.74E-10	4.14E-08	9.07E-09	1.39E-08	9.22E-11	2.30E-08
318	742837.03	4110527.74	1.04E-07	1.74E-07	1.92E-09	2.80E-07	1.61E-08	2.86E-08	2.88E-10	4.49E-08	1.56E-08	2.46E-08	3.66E-10	4.06E-08	8.87E-09	1.36E-08	9.02E-11	2.25E-08
319	742823.89	4110547.46	1.01E-07	1.71E-07	1.88E-09	2.74E-07	1.57E-08	2.80E-08	2.82E-10	4.40E-08	1.53E-08	2.41E-08	3.58E-10	3.97E-08	8.69E-09	1.33E-08	8.84E-11	2.21E-08
320	742810.74	4110567.17	9.96E-08	1.68E-07	1.85E-09	2.69E-07	1.54E-08	2.75E-08	2.77E-10	4.32E-08	1.50E-08	2.36E-08	3.52E-10	3.90E-08	8.53E-09	1.30E-08	8.67E-11	2.17E-08
321	742797.59	4110586.89	9.78E-08	1.65E-07	1.81E-09	2.64E-07	1.52E-08	2.70E-08	2.72E-10	4.24E-08	1.48E-08	2.32E-08	3.46E-10	3.83E-08	8.38E-09	1.28E-08	8.52E-11	2.13E-08
322	742784.44	4110606.61	9.62E-08	1.62E-07	1.78E-09	2.60E-07	1.49E-08	2.65E-08	2.68E-10	4.17E-08	1.45E-08	2.28E-08	3.40E-10	3.77E-08	8.24E-09	1.26E-08	8.38E-11	2.09E-08
323	742771.3	4110626.32	9.45E-08	1.59E-07	1.75E-09	2.55E-07	1.47E-08	2.61E-08	2.63E-10	4.10E-08	1.43E-08	2.24E-08	3.34E-10	3.70E-08	8.10E-09	1.24E-08	8.24E-11	2.06E-08
324	742758.15	4110646.04	9.27E-08	1.56E-07	1.72E-09	2.50E-07	1.44E-08	2.56E-08	2.58E-10	4.02E-08	1.40E-08	2.20E-08	3.27E-10	3.63E-08	7.94E-09	1.21E-08	8.07E-11	2.02E-08
325	742745	4110665.76	9.05E-08	1.52E-07	1.68E-09	2.45E-07	1.40E-08	2.50E-08	2.52E-10	3.93E-08	1.37E-08	2.15E-08	3.20E-10	3.55E-08	7.76E-09	1.19E-08	7.89E-11	1.97E-08
326	742731.85	4110685.47	8.81E-08	1.48E-07	1.63E-09	2.38E-07	1.37E-08	2.43E-08	2.45E-10	3.82E-08	1.33E-08	2.09E-08	3.11E-10	3.45E-08	7.55E-09	1.15E-08	7.67E-11	1.92E-08
327	742718.71	4110705.19	8.55E-08	1.44E-07	1.59E-09	2.31E-07	1.33E-08	2.36E-08	2.38E-10	3.71E-08	1.29E-08	2.03E-08	3.02E-10	3.35E-08	7.32E-09	1.12E-08	7.45E-11	1.86E-08
328	742705.56	4110724.91	8.28E-08	1.39E-07	1.54E-09	2.24E-07	1.28E-08	2.28E-08	2.30E-10	3.59E-08	1.25E-08	1.96E-08	2.92E-10	3.24E-08	7.09E-09	1.08E-08	7.21E-11	1.80E-08
329	742940.26	4109498.67	3.33E-07	5.60E-07	6.17E-09	8.98E-07	5.16E-08	9.17E-08	9.25E-10	1.44E-07	5.01E-08	7.89E-08	1.17E-09	1.30E-07	2.85E-08	4.35E-08	2.90E-10	7.23E-08
330	742926.71	4109478.31	3.40E-07	5.71E-07	6.30E-09	9.17E-07	5.27E-08	9.37E-08	9.45E-10	1.47E-07	5.12E-08	8.06E-08	1.20E-09	1.33E-07	2.91E-08	4.45E-08	2.96E-10	7.39E-08
331	742913.16	4109457.95	3.43E-07	5.78E-07	6.37E-09	9.28E-07	5.32E-08	9.47E-08	9.55E-10	1.49E-07	5.18E-08	8.15E-08	1.21E-09	1.35E-07	2.94E-08	4.50E-08	2.99E-10	7.47E-08
332	742899.61	4109437.58	3.44E-07	5.79E-07	6.38E-09	9.29E-07	5.33E-08	9.49E-08	9.57E-10	1.49E-07	5.19E-08	8.17E-08	1.22E-09	1.35E-07	2.95E-08	4.50E-08	3.00E-10	7.48E-08
333	742886.06	4109417.22	3.42E-07	5.75E-07	6.34E-09	9.23E-07	5.30E-08	9.42E-08	9.50E-10	1.48E-07	5.15E-08	8.11E-08	1.21E-09	1.34E-07	2.93E-08	4.47E-08	2.98E-10	7.43E-08
334	742872.51	4109396.86	3.37E-07	5.67E-07	6.24E-09	9.09E-07	5.22E-08	9.29E-08	9.37E-10	1.46E-07	5.08E-08	7.99E-08	1.19E-09	1.32E-07	2.88E-08	4.41E-08	2.93E-10	7.32E-08
335	742858.96	4109376.5	3.30E-07	5.55E-07	6.12E-09	8.91E-07	5.11E-08	9.10E-08	9.18E-10	1.43E-07	4.97E-08	7.83E-08	1.16E-09	1.29E-07	2.83E-08	4.32E-08	2.87E-10	7.17E-08
336	742845.42	4109356.14	3.21E-07	5.41E-07	5.96E-09	8.68E-07	4.98E-08	8.87E-08	8.94E-10	1.39E-07	4.85E-08	7.63E-08	1.14E-09	1.26E-07	2.75E-08	4.21E-08	2.80E-10	6.99E-08
337	742831.87	4109335.78	3.12E-07	5.25E-07	5.79E-09	8.43E-07	4.84E-08	8.61E-08	8.68E-10	1.35E-07	4.70E-08	7.41E-08	1.10E-09	1.22E-07	2.67E-08	4.08E-08	2.72E-10	6.78E-08
338	743111.42	4109411.41	2.40E-07	4.04E-07	4.45E-09	6.49E-07	3.72E-08	6.63E-08	6.68E-10	1.04E-07	3.62E-08	5.70E-08	8.48E-10	9.41E-08	2.06E-08	3.14E-08	2.09E-10	5.22E-08
339	743116.08	4109434.96	2.37E-07	3.99E-07	4.40E-09	6.41E-07	3.68E-08	6.54E-08	6.60E-10	1.03E-07	3.58E-08	5.63E-08	8.38E-10	9.29E-08	2.03E-08	3.10E-08	2.07E-10	5.16E-08
340	743120.74	4109458.5	2.32E-07	3.91E-07	4.31E-09	6.28E-07	3.60E-08	6.41E-08	6.46E-10	1.01E-07	3.50E-08	5.52E-08	8.21E-10	9.10E-08	1.99E-08	3.04E-08	2.02E-10	5.05E-08
341	743125.4	4109482.04	2.26E-07	3.80E-07	4.19E-09	6.10E-07	3.50E-08	6.23E-08	6.28E-10	9.79E-08	3.40E-08	5.36E-08	7.97E-10	8.84E-08	1.93E-08	2.96E-08	1.97E-10	4.91E-08
342	743130.06	4109505.58	2.18E-07	3.67E-07	4.04E-09	5.89E-07	3.38E-08	6.01E-08	6.06E-10	9.45E-08	3.29E-08	5.17E-08	7.70E-10	8.53E-08	1.87E-08	2.85E-08	1.90E-10	4.74E-08
343	743134.72	4109529.13	2.09E-07	3.52E-07	3.88E-09	5.65E-07	3.24E-08	5.77E-08	5.82E-10	9.07E-08	3.15E-08	4.96E-08	7.38E-10	8.19E-08	1.79E-08	2.74E-08	1.82E-10	4.55E-08
344	743139.38	4109552.67	2.00E-07	3.36E-07	3.70E-09	5.40E-07	3.10E-08	5.51E-08	5.56E-10	8.66E-08	3.01E-08	4.74E-08	7.06E-10	7.82E-08	1.71E-08	2.62E-08	1.74E-10	4.34E-08
345	743144.04	4109576.21	1.91E-07	3.21E-07	3.54E-09	5.15E-07	2.96E-08	5.26E-08	5.31E-10	8.28E-08	2.88E-08	4.53E-08	6.74E-10	7.47E-08	1.63E-08	2.50E-08	1.66E-10	4.15E-08
346	743148.7	4109599.75	1.83E-07	3.08E-07	3.39E-09	4.94E-07	2.84E-08	5.04E-08	5.09E-10	7.93E-08	2.76E-08	4.34E-08	6.46E-10	7.16E-08	1.57E-08	2.39E-08	1.59E-10	3.98E-08
347	743153.36	4109623.3	1.76E-07	2.97E-07	3.27E-09	4.76E-07	2.73E-08	4.86E-08	4.90E-10	7.64E-08	2.66E-08	4.18E-08	6.22E-10	6.90E-08	1.51E-08	2.31E-08	1.54E-10	3.83E-08
348	743158.02	4109646.84	1.71E-07	2.88E-07	3.17E-09	4.62E-07	2.65E-08	4.72E-08	4.76E-10	7.42E-08	2.58E-08	4.06E-08	6.04E-10	6.70E-08	1.47E-08	2.24E-08	1.49E-10	3.72E-08

349	743162.68	4109670.38	1.67E-07	2.82E-07	3.11E-09	4.52E-07	2.60E-08	4.62E-08	4.66E-10	7.26E-08	2.53E-08	3.98E-08	5.92E-10	6.56E-08	1.43E-08	2.19E-08	1.46E-10	3.64E-08
350	743167.34	4109693.92	1.65E-07	2.77E-07	3.06E-09	4.45E-07	2.56E-08	4.55E-08	4.59E-10	7.15E-08	2.49E-08	3.91E-08	5.82E-10	6.46E-08	1.41E-08	2.16E-08	1.44E-10	3.59E-08
351	743171.99	4109717.47	1.63E-07	2.74E-07	3.02E-09	4.40E-07	2.53E-08	4.49E-08	4.53E-10	7.07E-08	2.46E-08	3.87E-08	5.75E-10	6.38E-08	1.40E-08	2.13E-08	1.42E-10	3.54E-08
352	743176.65	4109741.01	1.61E-07	2.71E-07	2.99E-09	4.35E-07	2.50E-08	4.44E-08	4.48E-10	6.98E-08	2.43E-08	3.82E-08	5.69E-10	6.31E-08	1.38E-08	2.11E-08	1.40E-10	3.50E-08
353	743181.31	4109764.55	1.59E-07	2.67E-07	2.94E-09	4.29E-07	2.46E-08	4.38E-08	4.41E-10	6.88E-08	2.39E-08	3.77E-08	5.61E-10	6.22E-08	1.36E-08	2.08E-08	1.38E-10	3.45E-08
354	743185.97	4109788.09	1.56E-07	2.62E-07	2.89E-09	4.20E-07	2.41E-08	4.29E-08	4.33E-10	6.75E-08	2.35E-08	3.69E-08	5.49E-10	6.09E-08	1.33E-08	2.04E-08	1.36E-10	3.38E-08
355	743190.63	4109811.64	1.52E-07	2.55E-07	2.81E-09	4.09E-07	2.35E-08	4.18E-08	4.22E-10	6.57E-08	2.28E-08	3.60E-08	5.35E-10	5.94E-08	1.30E-08	1.98E-08	1.32E-10	3.30E-08
356	743195.29	4109835.18	1.47E-07	2.47E-07	2.72E-09	3.96E-07	2.28E-08	4.05E-08	4.08E-10	6.36E-08	2.21E-08	3.48E-08	5.18E-10	5.75E-08	1.26E-08	1.92E-08	1.28E-10	3.19E-08
357	743199.95	4109858.72	1.41E-07	2.38E-07	2.62E-09	3.82E-07	2.19E-08	3.90E-08	3.93E-10	6.13E-08	2.13E-08	3.36E-08	4.99E-10	5.54E-08	1.21E-08	1.85E-08	1.23E-10	3.07E-08
358	743204.61	4109882.26	1.36E-07	2.28E-07	2.52E-09	3.67E-07	2.10E-08	3.74E-08	3.78E-10	5.89E-08	2.05E-08	3.22E-08	4.79E-10	5.32E-08	1.16E-08	1.78E-08	1.18E-10	2.95E-08
359	743209.27	4109905.81	1.30E-07	2.19E-07	2.41E-09	3.51E-07	2.02E-08	3.59E-08	3.62E-10	5.64E-08	1.96E-08	3.09E-08	4.60E-10	5.10E-08	1.11E-08	1.70E-08	1.13E-10	2.83E-08
360	743213.93	4109929.35	1.25E-07	2.10E-07	2.31E-09	3.37E-07	1.93E-08	3.44E-08	3.47E-10	5.41E-08	1.88E-08	2.96E-08	4.41E-10	4.89E-08	1.07E-08	1.63E-08	1.09E-10	2.71E-08
361	743218.59	4109952.89	1.20E-07	2.01E-07	2.22E-09	3.23E-07	1.86E-08	3.30E-08	3.33E-10	5.19E-08	1.80E-08	2.84E-08	4.23E-10	4.69E-08	1.03E-08	1.57E-08	1.04E-10	2.60E-08
362	743223.25	4109976.43	1.15E-07	1.94E-07	2.14E-09	3.11E-07	1.79E-08	3.18E-08	3.20E-10	4.99E-08	1.74E-08	2.73E-08	4.07E-10	4.51E-08	9.87E-09	1.51E-08	1.00E-10	2.50E-08
363	743227.91	4109999.98	1.11E-07	1.87E-07	2.06E-09	3.00E-07	1.72E-08	3.06E-08	3.09E-10	4.82E-08	1.67E-08	2.64E-08	3.92E-10	4.35E-08	9.52E-09	1.45E-08	9.68E-11	2.42E-08
364	743232.57	4110023.52	1.07E-07	1.81E-07	1.99E-09	2.90E-07	1.67E-08	2.96E-08	2.99E-10	4.66E-08	1.62E-08	2.55E-08	3.80E-10	4.21E-08	9.21E-09	1.41E-08	9.36E-11	2.34E-08
365	743237.23	4110047.06	1.04E-07	1.75E-07	1.93E-09	2.82E-07	1.62E-08	2.88E-08	2.90E-10	4.52E-08	1.57E-08	2.47E-08	3.68E-10	4.08E-08	8.93E-09	1.36E-08	9.08E-11	2.27E-08
366	743241.89	4110070.6	1.01E-07	1.70E-07	1.88E-09	2.74E-07	1.57E-08	2.80E-08	2.82E-10	4.39E-08	1.53E-08	2.41E-08	3.58E-10	3.97E-08	8.68E-09	1.33E-08	8.83E-11	2.20E-08
367	743246.55	4110094.14	9.87E-08	1.66E-07	1.83E-09	2.67E-07	1.53E-08	2.72E-08	2.75E-10	4.28E-08	1.49E-08	2.34E-08	3.49E-10	3.87E-08	8.46E-09	1.29E-08	8.60E-11	2.15E-08
368	743251.2	4110117.69	9.63E-08	1.62E-07	1.79E-09	2.60E-07	1.49E-08	2.66E-08	2.68E-10	4.18E-08	1.45E-08	2.29E-08	3.40E-10	3.77E-08	8.26E-09	1.26E-08	8.39E-11	2.10E-08
369	743255.86	4110141.23	9.43E-08	1.59E-07	1.75E-09	2.55E-07	1.46E-08	2.60E-08	2.62E-10	4.09E-08	1.42E-08	2.24E-08	3.33E-10	3.69E-08	8.08E-09	1.23E-08	8.21E-11	2.05E-08
370	743260.52	4110164.77	9.24E-08	1.55E-07	1.71E-09	2.50E-07	1.43E-08	2.55E-08	2.57E-10	4.01E-08	1.39E-08	2.19E-08	3.26E-10	3.62E-08	7.92E-09	1.21E-08	8.05E-11	2.01E-08
371	743265.18	4110188.31	9.07E-08	1.53E-07	1.68E-09	2.45E-07	1.41E-08	2.50E-08	2.52E-10	3.94E-08	1.37E-08	2.15E-08	3.21E-10	3.55E-08	7.78E-09	1.19E-08	7.91E-11	1.97E-08
372	743256.53	4110231.82	9.03E-08	1.52E-07	1.67E-09	2.44E-07	1.40E-08	2.49E-08	2.51E-10	3.92E-08	1.36E-08	2.14E-08	3.19E-10	3.54E-08	7.74E-09	1.18E-08	7.87E-11	1.96E-08
373	743243.21	4110251.79	9.14E-08	1.54E-07	1.69E-09	2.47E-07	1.42E-08	2.52E-08	2.54E-10	3.96E-08	1.38E-08	2.17E-08	3.23E-10	3.58E-08	7.83E-09	1.20E-08	7.96E-11	1.99E-08
374	743229.9	4110271.76	9.24E-08	1.56E-07	1.71E-09	2.50E-07	1.43E-08	2.55E-08	2.57E-10	4.01E-08	1.39E-08	2.19E-08	3.26E-10	3.62E-08	7.92E-09	1.21E-08	8.05E-11	2.01E-08
375	743216.58	4110291.73	9.33E-08	1.57E-07	1.73E-09	2.52E-07	1.45E-08	2.58E-08	2.60E-10	4.05E-08	1.41E-08	2.22E-08	3.30E-10	3.66E-08	8.00E-09	1.22E-08	8.13E-11	2.03E-08
376	743203.27	4110311.69	9.41E-08	1.58E-07	1.75E-09	2.54E-07	1.46E-08	2.60E-08	2.62E-10	4.08E-08	1.42E-08	2.23E-08	3.32E-10	3.69E-08	8.06E-09	1.23E-08	8.20E-11	2.05E-08
377	743189.96	4110331.66	9.46E-08	1.59E-07	1.75E-09	2.55E-07	1.47E-08	2.61E-08	2.63E-10	4.10E-08	1.43E-08	2.25E-08	3.34E-10	3.70E-08	8.10E-09	1.24E-08	8.24E-11	2.06E-08
378	743176.64	4110351.63	9.47E-08	1.59E-07	1.76E-09	2.56E-07	1.47E-08	2.61E-08	2.64E-10	4.11E-08	1.43E-08	2.25E-08	3.35E-10	3.71E-08	8.12E-09	1.24E-08	8.25E-11	2.06E-08
379	743163.33	4110371.59	9.45E-08	1.59E-07	1.75E-09	2.55E-07	1.47E-08	2.61E-08	2.63E-10	4.10E-08	1.43E-08	2.24E-08	3.34E-10	3.70E-08	8.10E-09	1.24E-08	8.23E-11	2.06E-08
380	743150.01	4110391.56	9.40E-08	1.58E-07	1.74E-09	2.54E-07	1.46E-08	2.59E-08	2.61E-10	4.08E-08	1.42E-08	2.23E-08	3.32E-10	3.68E-08	8.05E-09	1.23E-08	8.19E-11	2.04E-08
381	743136.7	4110411.53	9.31E-08	1.57E-07	1.73E-09	2.52E-07	1.44E-08	2.57E-08	2.59E-10	4.04E-08	1.40E-08	2.21E-08	3.29E-10	3.65E-08	7.98E-09	1.22E-08	8.11E-11	2.03E-08
382	743123.38	4110431.5	9.20E-08	1.55E-07	1.71E-09	2.48E-07	1.43E-08	2.54E-08	2.56E-10	3.99E-08	1.39E-08	2.18E-08	3.25E-10	3.60E-08	7.88E-09	1.20E-08	8.01E-11	2.00E-08
383	743110.07	4110451.46	9.06E-08	1.52E-07	1.68E-09	2.45E-07	1.40E-08	2.50E-08	2.52E-10	3.93E-08	1.37E-08	2.15E-08	3.20E-10	3.55E-08	7.76E-09	1.19E-08	7.89E-11	1.97E-08
384	743096.76	4110471.43	8.90E-08	1.50E-07	1.65E-09	2.40E-07	1.38E-08	2.46E-08	2.48E-10	3.86E-08	1.34E-08	2.11E-08	3.14E-10	3.49E-08	7.63E-09	1.17E-08	7.75E-11	1.94E-08
385	743083.44	4110491.4	8.73E-08	1.47E-07	1.62E-09	2.36E-07	1.35E-08	2.41E-08	2.43E-10	3.79E-08	1.32E-08	2.07E-08	3.08E-10	3.42E-08	7.48E-09	1.14E-08	7.60E-11	1.90E-08
386	743070.13	4110511.36	8.54E-08	1.44E-07	1.58E-09	2.31E-07	1.32E-08	2.36E-08	2.38E-10	3.70E-08	1.29E-08	2.03E-08	3.02E-10	3.34E-08	7.32E-09	1.12E-08	7.44E-11	1.86E-08
387	743056.81	4110531.33	8.35E-08	1.40E-07	1.55E-09	2.25E-07	1.29E-08	2.30E-08	2.32E-10	3.62E-08	1.26E-08	1.98E-08	2.95E-10	3.27E-08	7.15E-09	1.09E-08	7.27E-11	1.82E-08
388	743043.5	4110551.3	8.16E-08	1.37E-07	1.51E-09	2.21E-07	1.27E-08	2.25E-08	2.27E-10	3.54E-08	1.23E-08	1.94E-08	2.88E-10	3.20E-08	6.99E-09	1.07E-08	7.11E-11	1.78E-08
389	743030.18	4110571.27	8.00E-08	1.35E-07	1.48E-09	2.16E-07	1.24E-08	2.21E-08	2.22E-10	3.47E-08	1.21E-08	1.90E-08	2.82E-10	3.13E-08	6.85E-09	1.05E-08	6.97E-11	1.74E-08
390	743016.87	4110591.23	7.85E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.18E-10	3.41E-08	1.18E-08	1.86E-08	2.77E-10	3.08E-08	6.73E-09	1.03E-08	6.84E-11	1.71E-08
391	743003.56	4110611.2	7.73E-08	1.30E-07	1.43E-09	2.09E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.17E-08	1.84E-08	2.73E-10	3.03E-08	6.63E-09	1.01E-08	6.74E-11	1.68E-08
392	742990.24	4110631.17	7.64E-08	1.29E-07	1.42E-09	2.06E-07	1.18E-08	2.11E-08	2.13E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.55E-09	1.00E-08	6.66E-11	1.66E-08
393	742976.93	4110651.13	7.56E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.09E-08	2.10E-10	3.28E-08	1.14E-08	1.80E-08	2.67E-10	2.96E-08	6.48E-09	9.90E-09	6.59E-11	1.64E-08
394	742963.61	4110671.1	7.50E-08	1.26E-07	1.39E-09	2.03E-07	1.16E-08	2.07E-08	2.09E-10	3.25E-08	1.13E-08	1.78E-08	2.65E-10	2.94E-08	6.43E-09	9.82E-09	6.53E-11	1.63E-08
395	742950.3	4110691.07	7.44E-08	1.25E-07	1.38E-09	2.01E-07	1.15E-08	2.05E-08	2.07E-10	3.23E-08	1.12E-08	1.77E-08	2.63E-10	2.92E-08	6.38E-09	9.75E-09	6.48E-11	1.62E-08
396	742936.98	4110711.03	7.38E-08	1.24E-07	1.37E-09	1.99E-07	1.14E-08	2.04E-08	2.05E-10	3.20E-08	1.11E-08	1.75E-08	2.61E-10	2.89E-08	6.33E-09	9.67E-09	6.43E-11	1.61E-08
397	742923.67	4110731	7.31E-08	1.23E-07	1.36E-09	1.98E-07	1.13E-08	2.02E-08	2.04E-10	3.17E-08	1.10E-08	1.74E-08	2.58E-10	2.87E-08	6.27E-09	9.58E-09	6.37E-11	1.59E-08
398	742910.36	4110750.97	7.23E-08	1.22E-07	1.34E-09	1.95E-07	1.12E-08	1.99E-08	2.01E-10	3.13E-08	1.09E-08	1.72E-08	2.55E-10	2.83E-08	6.19E-09	9.46E-09	6.30E-11	1.57E-08
399	742897.04	4110770.94	7.12E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.09E-08	1.07E-08	1.69E-08	2.52E-10	2.79E-08	6.10E-09	9.32E-09	6.20E-11	1.55E-08
400	742883.73	4110790.9	6.99E-08	1.18E-07	1.30E-09	1.89E-07	1.08E-08	1.93E-08	1.94E-10	3.03E-08	1.05E-08	1.66E-08	2.47E-10	2.74E-08	5.99E-09	9.15E-09	6.09E-11	1.52E-08
401	742870.41	4110810.87	6.83E-08	1.15E-07	1.27E-09	1.85E-07	1.06E-08	1.89E-08	1.90E-10	2.96E-08	1.03E-08	1.62E-08	2.41E-10	2.68E-08	5.86E-09	8.95E-09	5.95E-11	1.49E-08
402	742857.1	4110830.84	6.66E-08	1.12E-07	1.24E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.71E-09	8.73E-09	5.81E-11	1.45E-08
403	742843.78	4110850.8	6.49E-08	1.09E-07	1.20E-09	1.75E-07	1.01E-08	1.79E-08	1.80E-10	2.81E-08	9.78E-09	1.54E-08	2.29E-10	2.54E-08	5.56E-09	8.49E-09	5.65E-11	1.41E-08
404	742830.47	4110870.77	6.30E-08	1.06E-07	1.17E-09	1.70E-07	9.77E-09	1.74E-08	1.75E-10	2.73E-08	9.50E-09	1.50E-08	2.23E-10	2.47E-08	5.40E-09	8.25E-09	5.49E-11	1.37E-08
405	742817.16	4110890.74	6.11E-08	1.03E-07	1.13E-09	1.65E-07	9.47E-09	1.69E-08	1.70E-10	2.65E-08	9.21E-09	1.45E-08	2.16E-10	2.39E-08	5.23E-09	8.00E-09	5.32E-11	1.33E-08
406	743106.76	4109387.87	2.41E-07	4.06E-07	4.48E-09	6.52E-07	3.74E-08	6.66E-08	6.72E-10	1.05E-07	3.64E-08	5.73E-08	8.53E-10	9.46E-08	2.07E-08	3.16E-08	2.10E-10	5.25E-08
407	743093.21	4109367.51	2.45E-07	4.12E-07	4.54E-09	6.61E-07	3.80E-08	6.75E-08	6.81E-10	1.06E-07	3.69E-08	5.81E-08	8.65E-10	9.59E-08	2.10E-08	3.20E-08	2.13E-10	5.32E-08
408	743079.67	4109347.15	2.46E-07	4.15E-07	4.57E-09	6.66E-07	3.82E-08	6.80E-08	6.85E-10	1.07E-07	3.72E-08	5.85E-08	8.70E-10	9.65E-08	2.11E-08	3.23E-08	2.15E-10	5.36E-08
409	743066.12	4109326.79	2.46E-07	4.15E-07	4.57E-09	6.66E-07	3.82E-08	6.80E-08	6.86E-10	1.07E-07	3.72E-08	5.85E-08	8.70E-10	9.65E-08	2.11E-08	3.23E-08	2.15E-10	5.36E-08
410	743052.57	4109306.43	2.45E-07	4.12E-07	4.54E-09	6.62E-07	3.80E-08	6.76E-08	6.81E-10	1.06E-07	3.69E-08	5.81E-08	8.65E-10	9.59E-08	2.10E-08	3.21E-08	2.13E-10	5.33E-08
411	743039.02	4109286.07	2.42E-07	4.07E-07	4.49E-09	6.54E-07	3.75E-08	6.68E-08	6.74E-10	1.05E-07	3.65E-08	5.75E-08	8.55E-10	9.49E-08	2.07E-08	3.17E-08	2.11E-10	5.27E-08
412	743025.47	4109265.7	2.38E-07	4.01E-07	4.42E-09	6.43E-07	3.69E-08	6.57E-08	6.63E-10	1.03E-07	3.59E-08	5.66E-08	8.41E-10	9.33E-08	2.04E-08	3.12E-08	2.08E-10	5.18E-08
413	743011.92	4109245.34	2.33E-07	3.93E-07	4.33E-09	6.31E-07	3.62E-08	6.44E-08	6.50E-10	1.01E-07	3.52E-08	5.54E-08	8.25E-10	9.15E-08	2.00E-08	3.06E-08	2.03E-10	5.08E-08
414	742998.37	4109224.98	2.28E-07	3.84E-07	4.23E-09	6.16E-07	3.54E-08	6.30E-08	6.35E-10	9.90E-08	3.44E-08	5.42E-08	8.06E-10	8.94E-08	1.96E-08	2.99E-08	1.99E-10	4.96E-08
415	743277.97	4109300.83	1.85E-07	3.11E-07	3.42E-09	4.99E-07	2.86E-08	5.09E-08	5.13E-10	8.01E-08	2.78E-08	4.38E-08	6.52E-10	7.23E-08	1.58E-08	2.42E-08	1.61E-10	4.01E-08
416	743282.67	4109324.58	1.83E-07	3.09E-07	3.40E-09	4.95E-07	2.84E-08	5.06E-08	5.10E-10	7.95E-08	2.77E-08	4.35E-08	6.48E-10	7.18E-08	1.57E-08	2.40E-08	1.60E-10	3.99E-08
417	743287.37	4109348.33	1.81E-07	3.05E-07	3.36E-09	4.89E-07	2.81E-08	5.00E-08	5.04E-10	7.86E-08	2.73E-08	4.30E-08	6.40E-10	7.10E-08	1.55E-08	2.37E-08	1.58E-10	3.94E-08
418	743292.07	4109372.08	1.78E-07	2.99E-07	3.30E-09	4.80E-07	2.76E-08	4.90E-08	4.95E-10	7.71E-08	2.68E-08	4.22E-08	6.28E-10	6.96E-08	1.52E-08	2.33E-08	1.55E-10	3.87E-08
419	743296.77	4109395.83	1.73E-07	2.92E-07	3.21E-09	4.68E-07	2.69E-08	4.78E-08	4.82E-10	7.52E-08	2.61E-08	4.11E-08	6.12E-10	6.79E-08	1.48E-08	2.27E-08	1.51E-10	3.77E-08
420	743301.47	4109419.58	1.68E-07	2.82E-07	3.11E-09	4.53E-07	2.60E-08	4.63E-08	4.67E-10	7.28E-08	2.53E-08	3.98E-08	5.93E-10	6.57E-08	1.44E-08	2.20E-08	1.46E-10	3.65E-08
421	743306.17	4109443.33	1.62E-07	2.72E-07	3.00E-09	4.37E-07	2.51E-08	4.46E-08	4.50E-10	7.01E-08	2.44E-08	3.84E-08	5.71E-10	6.33E-08	1.39E-08	2.12E-08	1.41E-10	3.52E-08
422	743310.87	4109467.09	1.55E-07	2.61E-07	2.88E-09	4.19E-07	2.40E-08	4.28E-08	4.31E-10	6.72E-08	2.34E-08	3.68E-08	5.48E-10	6.07E-08	1.33E-08	2.03E-08	1.35E-10	3.37E-08
423	743315.58	4109490.84	1.49E-07	2.50E-07	2.75E-09	4.01E-07	2.30E-08	4.10E-08	4.13E-10	6.44E-08	2.24E-08	3.53E-08	5.25E-10	5.82E-08	1.27E-08	1.94E-08	1.29E-10	3.23E-08
424	743320.28	4109514.59	1.42E-07	2.40E-07	2.64E-09	3.85E-07	2.21E-08	3.93E-08	3.96E-10	6.17E-08	2.15E-08	3.38E-08	5.03E-10	5.58E-08	1.22E-08	1.86E-08	1.24E-10	3.10E-08
425	743324.98	4109538.34	1.37E-07	2.30E-07	2.54E-09	3.70E-07	2.12E-08	3.77E-08	3.81E-10	5.93E-08	2.06E-08	3.25E-08	4.83E-10	5.36E-08	1.17E-08	1.79E-08	1.19E-10	2.98E-08
426	743329.68	4109562.09	1.32E-07	2.22E-07	2.45E-09	3.57E-07	2.05E-08	3.65E-08	3.68E-10	5.73E-08	1.99E-08	3.14E-08	4.67E-10	5.18E-08	1.13E-08	1.73E-08	1.15E-10	2.88E-08
427	743334.38	4109585.84	1.29E-07	2.17E-07	2.39E-09	3.48E-07	2.00E-08	3.55E-08	3.58E-10	5.58E-08	1.94E-08	3.06E-08	4.55E-10	5.04E-08	1.10E-08	1.69E-08	1.12E-10	2.80E-08
428	743339.08	4109609.59	1.26E-07	2.12E-07	2.34E-09	3.41E-07	1.96E-08	3.48E-08	3.51E-10	5.48E-08	1.90E-08	3.00E-08	4.46E-10	4.95E-08	1.08E-08	1.65E-08	1.10E-10	2.75E-08
429	743343.78	4109633.34	1.25E-07	2.10E-07	2.31E-09	3.37E-07	1.93E-08	3.44E-08	3.47E-10	5.41E-08	1.88E-08	2.96E-08	4.41E-10	4.89E-08	1.07E-08	1.63E-08	1.09E-10	2.71E-08
430	743348.48	4109657.1	1.24E-07	2.08E-07	2.30E-09	3.35E-07	1.92E-08	3.42E-08	3.45E-10	5.37E-08	1.87E-08	2.94E-08	4.38E-10	4.85E-08	1.06E-08	1.62E-08	1.08E-10	2.69E-08
431	743353.18	4109680.85	1.23E-07	2.07E-07	2.29E-09	3.33E-07	1.91E-08	3.40E-08	3.43E-10	5.35E-08	1.86E-08	2.93E-08	4.35E-10	4.83E-08	1.06E-08	1.61E-08	1.07E-10	2.68E-08
432	743357.88	4109704.6	1.23E-07	2.06E-07	2.27E-09	3.31E-07	1.90E-08	3.38E-08	3.41E-10	5.32E-08	1.85E-08	2.91E-08	4.33E-10	4.80E-08	1.05E-08	1.61E-08	1.07E-10	2.67E-08
433	743362.58	4109728.35	1.22E-07	2.05E-07	2.26E-09	3.28E-07	1.89E-08	3.35E-08	3.38E-10	5.27E-08	1.83E-08	2.89E-08	4.29E-10	4.76E-08	1.04E-08	1.59E-08	1.06E-10	2.64E-08
434	743367.28	4109752.1	1.20E-07	2.02E-07	2.22E-09	3.24E-07	1.86E-08	3.31E-08	3.34E-10	5.20E-08	1.81E-08	2.85E-08	4.24E-10	4.70E-08	1.03E-08	1.57E-08	1.04E-10	2.61E-08
435	743371.98	4109775.85	1.18E-07	1.98E-07	2.18E-09	3.18E-07	1.82E-08	3.24E-08	3.27E-10	5.10E-08	1.77E-08	2.79E-08	4.15E-10	4.61E-08	1.01E-08	1.54E-08	1.02E-10	2.56E-08
436	743376.68	4109799.6	1.15E-07	1.93E-07	2.13E-09	3.10E-07	1.78E-08	3.16E-08	3.19E-10	4.97E-08	1.73E-08	2.72E-08	4.05E-10	4.49E-08	9.82E-09	1.50E-08	9.99E-11	2.49E-08

437	743381.39	4109823.35	1.11E-07	1.87E-07	2.06E-09	3.00E-07	1.72E-08	3.07E-08	3.09E-10	4.82E-08	1.68E-08	2.64E-08	3.93E-10	4.35E-08	9.52E-09	1.46E-08	9.68E-11	2.42E-08
438	743386.09	4109847.11	1.07E-07	1.81E-07	1.99E-09	2.90E-07	1.66E-08	2.96E-08	2.99E-10	4.66E-08	1.62E-08	2.55E-08	3.79E-10	4.21E-08	9.20E-09	1.41E-08	9.35E-11	2.34E-08
439	743390.79	4109870.86	1.03E-07	1.74E-07	1.92E-09	2.79E-07	1.60E-08	2.85E-08	2.88E-10	4.49E-08	1.56E-08	2.46E-08	3.65E-10	4.05E-08	8.86E-09	1.35E-08	9.01E-11	2.25E-08
440	743395.49	4109894.61	9.96E-08	1.68E-07	1.85E-09	2.69E-07	1.54E-08	2.75E-08	2.77E-10	4.32E-08	1.50E-08	2.36E-08	3.52E-10	3.90E-08	8.53E-09	1.30E-08	8.67E-11	2.17E-08
441	743400.19	4109918.36	9.58E-08	1.61E-07	1.78E-09	2.59E-07	1.49E-08	2.64E-08	2.67E-10	4.16E-08	1.45E-08	2.28E-08	3.39E-10	3.75E-08	8.21E-09	1.25E-08	8.35E-11	2.08E-08
442	743404.89	4109942.11	9.24E-08	1.55E-07	1.71E-09	2.50E-07	1.43E-08	2.55E-08	2.57E-10	4.01E-08	1.39E-08	2.19E-08	3.26E-10	3.62E-08	7.92E-09	1.21E-08	8.05E-11	2.01E-08
443	743409.59	4109965.86	8.93E-08	1.50E-07	1.66E-09	2.41E-07	1.38E-08	2.46E-08	2.48E-10	3.87E-08	1.35E-08	2.12E-08	3.15E-10	3.50E-08	7.65E-09	1.17E-08	7.78E-11	1.94E-08
444	743414.29	4109989.61	8.65E-08	1.46E-07	1.60E-09	2.34E-07	1.34E-08	2.39E-08	2.41E-10	3.75E-08	1.30E-08	2.05E-08	3.05E-10	3.39E-08	7.41E-09	1.13E-08	7.53E-11	1.88E-08
445	743418.99	4110013.36	8.40E-08	1.41E-07	1.56E-09	2.27E-07	1.30E-08	2.32E-08	2.34E-10	3.64E-08	1.27E-08	1.99E-08	2.97E-10	3.29E-08	7.20E-09	1.10E-08	7.32E-11	1.83E-08
446	743423.69	4110037.12	8.18E-08	1.38E-07	1.52E-09	2.21E-07	1.27E-08	2.26E-08	2.28E-10	3.55E-08	1.23E-08	1.94E-08	2.89E-10	3.20E-08	7.01E-09	1.07E-08	7.12E-11	1.78E-08
447	743428.39	4110060.87	7.98E-08	1.34E-07	1.48E-09	2.16E-07	1.24E-08	2.20E-08	2.22E-10	3.46E-08	1.20E-08	1.89E-08	2.82E-10	3.13E-08	6.84E-09	1.04E-08	6.95E-11	1.74E-08
448	743433.09	4110084.62	7.80E-08	1.31E-07	1.45E-09	2.11E-07	1.21E-08	2.15E-08	2.17E-10	3.38E-08	1.18E-08	1.85E-08	2.75E-10	3.05E-08	6.68E-09	1.02E-08	6.79E-11	1.70E-08
449	743437.79	4110108.37	7.63E-08	1.28E-07	1.42E-09	2.06E-07	1.18E-08	2.11E-08	2.12E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.54E-09	9.99E-09	6.65E-11	1.66E-08
450	743442.5	4110132.12	7.48E-08	1.26E-07	1.39E-09	2.02E-07	1.16E-08	2.06E-08	2.08E-10	3.25E-08	1.13E-08	1.78E-08	2.64E-10	2.93E-08	6.41E-09	9.80E-09	6.52E-11	1.63E-08
451	743447.2	4110155.87	7.34E-08	1.24E-07	1.36E-09	1.98E-07	1.14E-08	2.03E-08	2.04E-10	3.18E-08	1.11E-08	1.74E-08	2.59E-10	2.88E-08	6.29E-09	9.61E-09	6.40E-11	1.60E-08
452	743451.9	4110179.62	7.21E-08	1.21E-07	1.34E-09	1.95E-07	1.12E-08	1.99E-08	2.01E-10	3.13E-08	1.09E-08	1.71E-08	2.55E-10	2.83E-08	6.18E-09	9.44E-09	6.28E-11	1.57E-08
453	743456.6	4110203.37	7.10E-08	1.19E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.08E-08	1.07E-08	1.69E-08	2.51E-10	2.78E-08	6.08E-09	9.29E-09	6.18E-11	1.54E-08
454	743461.3	4110227.13	7.00E-08	1.18E-07	1.30E-09	1.89E-07	1.08E-08	1.93E-08	1.95E-10	3.03E-08	1.06E-08	1.66E-08	2.47E-10	2.74E-08	6.00E-09	9.16E-09	6.10E-11	1.52E-08
455	743452.57	4110271.02	6.98E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.94E-10	3.03E-08	1.05E-08	1.66E-08	2.46E-10	2.73E-08	5.98E-09	9.14E-09	6.08E-11	1.52E-08
456	743439.13	4110291.16	7.06E-08	1.19E-07	1.31E-09	1.91E-07	1.09E-08	1.95E-08	1.96E-10	3.06E-08	1.06E-08	1.68E-08	2.49E-10	2.76E-08	6.05E-09	9.24E-09	6.15E-11	1.53E-08
457	743425.7	4110311.31	7.14E-08	1.20E-07	1.33E-09	1.93E-07	1.11E-08	1.97E-08	1.99E-10	3.10E-08	1.08E-08	1.70E-08	2.52E-10	2.80E-08	6.12E-09	9.36E-09	6.22E-11	1.55E-08
458	743412.27	4110331.45	7.23E-08	1.22E-07	1.34E-09	1.95E-07	1.12E-08	2.00E-08	2.01E-10	3.14E-08	1.09E-08	1.72E-08	2.55E-10	2.83E-08	6.20E-09	9.47E-09	6.30E-11	1.57E-08
459	743398.84	4110351.6	7.31E-08	1.23E-07	1.36E-09	1.98E-07	1.13E-08	2.02E-08	2.04E-10	3.17E-08	1.10E-08	1.74E-08	2.58E-10	2.87E-08	6.27E-09	9.58E-09	6.37E-11	1.59E-08
460	743385.4	4110371.74	7.39E-08	1.24E-07	1.37E-09	2.00E-07	1.15E-08	2.04E-08	2.06E-10	3.20E-08	1.11E-08	1.75E-08	2.61E-10	2.89E-08	6.33E-09	9.67E-09	6.44E-11	1.61E-08
461	743371.97	4110391.89	7.44E-08	1.25E-07	1.38E-09	2.01E-07	1.15E-08	2.05E-08	2.07E-10	3.23E-08	1.12E-08	1.77E-08	2.63E-10	2.92E-08	6.38E-09	9.74E-09	6.48E-11	1.62E-08
462	743358.54	4110412.03	7.47E-08	1.26E-07	1.39E-09	2.02E-07	1.16E-08	2.06E-08	2.08E-10	3.24E-08	1.13E-08	1.77E-08	2.64E-10	2.93E-08	6.40E-09	9.79E-09	6.51E-11	1.63E-08
463	743345.11	4110432.17	7.48E-08	1.26E-07	1.39E-09	2.02E-07	1.16E-08	2.06E-08	2.08E-10	3.24E-08	1.13E-08	1.78E-08	2.64E-10	2.93E-08	6.41E-09	9.79E-09	6.52E-11	1.63E-08
464	743331.67	4110452.32	7.45E-08	1.25E-07	1.38E-09	2.01E-07	1.16E-08	2.06E-08	2.07E-10	3.23E-08	1.12E-08	1.77E-08	2.63E-10	2.92E-08	6.39E-09	9.76E-09	6.49E-11	1.62E-08
465	743318.24	4110472.46	7.40E-08	1.25E-07	1.37E-09	2.00E-07	1.15E-08	2.04E-08	2.06E-10	3.21E-08	1.12E-08	1.76E-08	2.61E-10	2.90E-08	6.34E-09	9.69E-09	6.45E-11	1.61E-08
466	743304.81	4110492.61	7.32E-08	1.23E-07	1.36E-09	1.98E-07	1.14E-08	2.02E-08	2.04E-10	3.18E-08	1.10E-08	1.74E-08	2.59E-10	2.87E-08	6.27E-09	9.59E-09	6.38E-11	1.59E-08
467	743291.38	4110512.75	7.22E-08	1.21E-07	1.34E-09	1.95E-07	1.12E-08	1.99E-08	2.01E-10	3.13E-08	1.09E-08	1.71E-08	2.55E-10	2.83E-08	6.19E-09	9.45E-09	6.29E-11	1.57E-08
468	743277.95	4110532.9	7.10E-08	1.19E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.97E-10	3.08E-08	1.07E-08	1.68E-08	2.51E-10	2.78E-08	6.08E-09	9.29E-09	6.18E-11	1.54E-08
469	743264.51	4110553.04	6.96E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.94E-10	3.02E-08	1.05E-08	1.65E-08	2.46E-10	2.72E-08	5.96E-09	9.11E-09	6.06E-11	1.51E-08
470	743251.08	4110573.18	6.81E-08	1.15E-07	1.26E-09	1.84E-07	1.06E-08	1.88E-08	1.89E-10	2.95E-08	1.03E-08	1.62E-08	2.40E-10	2.67E-08	5.83E-09	8.91E-09	5.93E-11	1.48E-08
471	743237.65	4110593.33	6.65E-08	1.12E-07	1.23E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.70E-09	8.71E-09	5.79E-11	1.45E-08
472	743224.22	4110613.47	6.50E-08	1.09E-07	1.21E-09	1.76E-07	1.01E-08	1.79E-08	1.81E-10	2.82E-08	9.80E-09	1.54E-08	2.30E-10	2.55E-08	5.57E-09	8.51E-09	5.66E-11	1.41E-08
473	743210.78	4110633.62	6.35E-08	1.07E-07	1.18E-09	1.72E-07	9.85E-09	1.75E-08	1.77E-10	2.75E-08	9.58E-09	1.51E-08	2.24E-10	2.49E-08	5.44E-09	8.32E-09	5.53E-11	1.38E-08
474	743197.35	4110653.76	6.22E-08	1.05E-07	1.15E-09	1.68E-07	9.64E-09	1.72E-08	1.73E-10	2.70E-08	9.38E-09	1.48E-08	2.20E-10	2.44E-08	5.33E-09	8.14E-09	5.42E-11	1.35E-08
475	743183.92	4110673.9	6.11E-08	1.03E-07	1.13E-09	1.65E-07	9.47E-09	1.68E-08	1.70E-10	2.65E-08	9.21E-09	1.45E-08	2.16E-10	2.39E-08	5.23E-09	7.99E-09	5.32E-11	1.33E-08
476	743170.49	4110694.05	6.01E-08	1.01E-07	1.12E-09	1.62E-07	9.33E-09	1.66E-08	1.67E-10	2.61E-08	9.07E-09	1.43E-08	2.12E-10	2.36E-08	5.15E-09	7.88E-09	5.24E-11	1.31E-08
477	743157.05	4110714.19	5.95E-08	1.00E-07	1.10E-09	1.61E-07	9.22E-09	1.64E-08	1.66E-10	2.58E-08	8.97E-09	1.41E-08	2.10E-10	2.33E-08	5.10E-09	7.79E-09	5.18E-11	1.29E-08
478	743143.62	4110734.34	5.91E-08	9.94E-08	1.10E-09	1.60E-07	9.16E-09	1.63E-08	1.64E-10	2.56E-08	8.91E-09	1.40E-08	2.09E-10	2.31E-08	5.06E-09	7.73E-09	5.15E-11	1.28E-08
479	743130.19	4110754.48	5.88E-08	9.90E-08	1.09E-09	1.59E-07	9.12E-09	1.62E-08	1.64E-10	2.55E-08	8.87E-09	1.40E-08	2.08E-10	2.30E-08	5.04E-09	7.70E-09	5.13E-11	1.28E-08
480	743116.76	4110774.63	5.87E-08	9.89E-08	1.09E-09	1.59E-07	9.11E-09	1.62E-08	1.63E-10	2.55E-08	8.86E-09	1.39E-08	2.08E-10	2.30E-08	5.03E-09	7.69E-09	5.12E-11	1.28E-08
481	743103.32	4110794.77	5.87E-08	9.88E-08	1.09E-09	1.59E-07	9.11E-09	1.62E-08	1.63E-10	2.55E-08	8.85E-09	1.39E-08	2.07E-10	2.30E-08	5.03E-09	7.69E-09	5.12E-11	1.28E-08
482	743089.89	4110814.91	5.87E-08	9.88E-08	1.09E-09	1.59E-07	9.10E-09	1.62E-08	1.63E-10	2.55E-08	8.85E-09	1.39E-08	2.07E-10	2.30E-08	5.03E-09	7.69E-09	5.11E-11	1.28E-08
483	743076.46	4110835.06	5.86E-08	9.86E-08	1.09E-09	1.58E-07	9.09E-09	1.62E-08	1.63E-10	2.54E-08	8.84E-09	1.39E-08	2.07E-10	2.30E-08	5.02E-09	7.67E-09	5.11E-11	1.27E-08
484	743063.03	4110855.2	5.84E-08	9.83E-08	1.08E-09	1.58E-07	9.06E-09	1.61E-08	1.62E-10	2.53E-08	8.81E-09	1.39E-08	2.06E-10	2.29E-08	5.00E-09	7.65E-09	5.09E-11	1.27E-08
485	743049.59	4110875.35	5.80E-08	9.77E-08	1.08E-09	1.57E-07	9.00E-09	1.60E-08	1.61E-10	2.52E-08	8.75E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.60E-09	5.06E-11	1.26E-08
486	743036.16	4110895.49	5.75E-08	9.67E-08	1.07E-09	1.55E-07	8.91E-09	1.59E-08	1.60E-10	2.49E-08	8.67E-09	1.36E-08	2.03E-10	2.25E-08	4.92E-09	7.52E-09	5.01E-11	1.25E-08
487	743022.73	4110915.64	5.67E-08	9.54E-08	1.05E-09	1.53E-07	8.79E-09	1.56E-08	1.58E-10	2.46E-08	8.55E-09	1.35E-08	2.00E-10	2.22E-08	4.86E-09	7.42E-09	4.94E-11	1.23E-08
488	743009.3	4110935.78	5.58E-08	9.38E-08	1.03E-09	1.51E-07	8.65E-09	1.54E-08	1.55E-10	2.42E-08	8.41E-09	1.32E-08	1.97E-10	2.18E-08	4.78E-09	7.30E-09	4.86E-11	1.21E-08
489	742995.86	4110955.92	5.46E-08	9.19E-08	1.01E-09	1.48E-07	8.47E-09	1.51E-08	1.52E-10	2.37E-08	8.24E-09	1.30E-08	1.93E-10	2.14E-08	4.68E-09	7.15E-09	4.76E-11	1.19E-08
490	742982.43	4110976.07	5.34E-08	8.98E-08	9.90E-10	1.44E-07	8.28E-09	1.47E-08	1.49E-10	2.32E-08	8.05E-09	1.27E-08	1.89E-10	2.09E-08	4.57E-09	6.99E-09	4.65E-11	1.16E-08
491	742969	4110996.21	5.20E-08	8.75E-08	9.65E-10	1.41E-07	8.07E-09	1.44E-08	1.45E-10	2.26E-08	7.84E-09	1.23E-08	1.84E-10	2.04E-08	4.46E-09	6.81E-09	4.53E-11	1.13E-08
492	742955.57	4111016.36	5.05E-08	8.50E-08	9.37E-10	1.37E-07	7.84E-09	1.39E-08	1.41E-10	2.19E-08	7.62E-09	1.20E-08	1.79E-10	1.98E-08	4.33E-09	6.62E-09	4.40E-11	1.10E-08
493	742942.13	4111036.5	4.90E-08	8.24E-08	9.08E-10	1.32E-07	7.59E-09	1.35E-08	1.36E-10	2.12E-08	7.38E-09	1.16E-08	1.73E-10	1.92E-08	4.20E-09	6.41E-09	4.27E-11	1.07E-08
494	742928.7	4111056.64	4.73E-08	7.96E-08	8.77E-10	1.28E-07	7.34E-09	1.31E-08	1.32E-10	2.05E-08	7.13E-09	1.12E-08	1.67E-10	1.85E-08	4.05E-09	6.19E-09	4.12E-11	1.03E-08
495	743273.27	4109277.08	1.84E-07	3.10E-07	3.42E-09	4.98E-07	2.86E-08	5.09E-08	5.13E-10	8.00E-08	2.78E-08	4.38E-08	6.51E-10	7.22E-08	1.58E-08	2.41E-08	1.61E-10	4.01E-08
496	743259.72	4109256.71	1.86E-07	3.12E-07	3.44E-09	5.02E-07	2.88E-08	5.12E-08	5.17E-10	8.05E-08	2.80E-08	4.41E-08	6.56E-10	7.27E-08	1.59E-08	2.43E-08	1.62E-10	4.04E-08
497	743246.17	4109236.35	1.86E-07	3.13E-07	3.46E-09	5.03E-07	2.89E-08	5.14E-08	5.18E-10	8.08E-08	2.81E-08	4.42E-08	6.58E-10	7.30E-08	1.60E-08	2.44E-08	1.62E-10	4.05E-08
498	743232.62	4109215.99	1.86E-07	3.13E-07	3.45E-09	5.03E-07	2.89E-08	5.14E-08	5.18E-10	8.07E-08	2.81E-08	4.42E-08	6.57E-10	7.29E-08	1.59E-08	2.44E-08	1.62E-10	4.05E-08
499	743219.07	4109195.63	1.85E-07	3.12E-07	3.43E-09	5.00E-07	2.87E-08	5.11E-08	5.15E-10	8.03E-08	2.79E-08	4.40E-08	6.54E-10	7.25E-08	1.59E-08	2.42E-08	1.61E-10	4.03E-08
500	743205.52	4109175.27	1.83E-07	3.09E-07	3.40E-09	4.95E-07	2.84E-08	5.06E-08	5.10E-10	7.95E-08	2.77E-08	4.35E-08	6.48E-10	7.18E-08	1.57E-08	2.40E-08	1.60E-10	3.99E-08
501	743191.98	4109154.91	1.81E-07	3.04E-07	3.36E-09	4.89E-07	2.81E-08	4.99E-08	5.03E-10	7.85E-08	2.73E-08	4.30E-08	6.39E-10	7.09E-08	1.55E-08	2.37E-08	1.58E-10	3.94E-08
502	743178.43	4109134.55	1.78E-07	2.99E-07	3.30E-09	4.81E-07	2.76E-08	4.91E-08	4.95E-10	7.72E-08	2.68E-08	4.22E-08	6.29E-10	6.97E-08	1.52E-08	2.33E-08	1.55E-10	3.87E-08
503	743164.88	4109114.19	1.75E-07	2.94E-07	3.24E-09	4.71E-07	2.71E-08	4.82E-08	4.86E-10	7.57E-08	2.63E-08	4.14E-08	6.17E-10	6.84E-08	1.50E-08	2.29E-08	1.52E-10	3.80E-08
504	743444.51	4109190.19	1.47E-07	2.47E-07	2.72E-09	3.96E-07	2.28E-08	4.05E-08	4.08E-10	6.37E-08	2.21E-08	3.48E-08	5.18E-10	5.75E-08	1.26E-08	1.92E-08	1.28E-10	3.19E-08
505	743449.24	4109214.09	1.46E-07	2.46E-07	2.72E-09	3.96E-07	2.27E-08	4.04E-08	4.07E-10	6.35E-08	2.21E-08	3.48E-08	5.17E-10	5.74E-08	1.25E-08	1.92E-08	1.28E-10	3.18E-08
506	743453.97	4109238	1.45E-07	2.45E-07	2.70E-09	3.93E-07	2.25E-08	4.01E-08	4.04E-10	6.30E-08	2.19E-08	3.45E-08	5.13E-10	5.69E-08	1.25E-08	1.90E-08	1.27E-10	3.16E-08
507	743458.7	4109261.91	1.44E-07	2.42E-07	2.66E-09	3.88E-07	2.23E-08	3.96E-08	3.99E-10	6.23E-08	2.16E-08	3.41E-08	5.07E-10	5.62E-08	1.23E-08	1.88E-08	1.25E-10	3.12E-08
508	743463.43	4109285.81	1.41E-07	2.37E-07	2.62E-09	3.81E-07	2.19E-08	3.89E-08	3.92E-10	6.12E-08	2.13E-08	3.35E-08	4.98E-10	5.52E-08	1.21E-08	1.85E-08	1.23E-10	3.07E-08
509	743468.16	4109309.72	1.38E-07	2.32E-07	2.56E-09	3.73E-07	2.14E-08	3.81E-08	3.84E-10	5.99E-08	2.08E-08	3.28E-08	4.88E-10	5.41E-08	1.18E-08	1.81E-08	1.20E-10	3.00E-08
510	743472.9	4109333.63	1.34E-07	2.26E-07	2.49E-09	3.63E-07	2.08E-08	3.71E-08	3.74E-10	5.83E-08	2.03E-08	3.19E-08	4.75E-10	5.27E-08	1.15E-08	1.76E-08	1.17E-10	2.92E-08
511	743477.63	4109357.53	1.30E-07	2.19E-07	2.41E-09	3.51E-07	2.01E-08	3.58E-08	3.61E-10	5.64E-08	1.96E-08	3.08E-08	4.59E-10	5.09E-08	1.11E-08	1.70E-08	1.13E-10	2.83E-08
512	743482.36	4109381.44	1.25E-07	2.11E-07	2.32E-09	3.38E-07	1.94E-08	3.45E-08	3.48E-10	5.43E-08	1.89E-08	2.97E-08	4.42E-10	4.90E-08	1.07E-08	1.64E-08	1.09E-10	2.72E-08
513	743487.09	4109405.35	1.20E-07	2.03E-07	2.23E-09	3.25E-07	1.87E-08	3.32E-08	3.35E-10	5.22E-08	1.81E-08	2.86E-08	4.25E-10	4.71E-08	1.03E-08	1.58E-08	1.05E-10	2.62E-08
514	743491.82	4109429.25	1.16E-07	1.95E-07	2.14E-09	3.12E-07	1.79E-08	3.19E-08	3.22E-10	5.01E-08	1.74E-08	2.74E-08	4.08E-10	4.53E-08	9.91E-09	1.51E-08	1.01E-10	2.51E-08
515	743496.55	4109453.16	1.11E-07	1.87E-07	2.06E-09	3.00E-07	1.72E-08	3.07E-08	3.09E-10	4.82E-08	1.68E-08	2.64E-08	3.93E-10	4.36E-08	9.53E-09	1.46E-08	9.69E-11	2.42E-08
516	743501.28	4109477.07	1.07E-07	1.81E-07	1.99E-09	2.90E-07	1.66E-08	2.96E-08	2.98E-10	4.65E-08	1.62E-08	2.55E-08	3.79E-10	4.20E-08	9.19E-09	1.40E-08	9.35E-11	2.33E-08
517	743506.02	4109500.97	1.04E-07	1.75E-07	1.93E-09	2.81E-07	1.61E-08	2.87E-08	2.89E-10	4.51E-08	1.57E-08	2.47E-08	3.67E-10	4.07E-08	8.91E-09	1.36E-08	9.05E-11	2.26E-08
518	743510.75	4109524.88	1.01E-07	1.71E-07	1.88E-09	2.74E-07	1.57E-08	2.80E-08	2.82E-10	4.40E-08	1.53E-08	2.41E-08	3.58E-10	3.97E-08	8.68E-09	1.33E-08	8.83E-11	2.20E-08
519	743515.48	4109548.79	9.96E-08	1.68E-07	1.85E-09	2.69E-07	1.54E-08	2.75E-08	2.77E-10	4.32E-08	1.50E-08	2.36E-08	3.52E-10	3.90E-08	8.53E-09	1.30E-08	8.67E-11	2.17E-08
520	743520.21	4109572.69	9.85E-08	1.66E-07	1.83E-09	2.66E-07	1.53E-08	2.72E-08	2.74E-10	4.27E-08	1.49E-08	2.34E-08	3.48E-10	3.86E-08	8.44E-09	1.29E-08	8.58E-11	2.14E-08
521	743524.94	4109596.6	9.80E-08	1.65E-07	1.82E-09	2.65E-07	1.52E-08	2.70E-08	2.73E-10	4.25E-08	1.48E-08	2.33E-08	3.46E-10	3.84E-08	8.40E-09	1.28E-08	8.54E-11	2.13E-08
522	743529.67	4109620.51	9.79E-08	1.65E-07	1.82E-09	2.65E-07	1.52E-08	2.70E-08	2.72E-10	4.25E-08	1.48E-08	2.32E-08	3.46E-10	3.84E-08	8.39E-09	1.28E-08	8.53E-11	2.13E-08
523	743534.4	4109644.41	9.79E-08	1.65E-07	1.82E-09	2.64E-07	1.52E-08	2.70E-08	2.72E-10	4.25E-08	1.48E-08	2.32E-08	3.46E-10	3.84E-08	8.39E-09	1.28E-08	8.53E-11	2.13E-08
524	743539.14	4109668.32	9.78E-08	1.65E-07	1.81E-09	2.64E-07	1.52E-08	2.70E-08	2.72E-10	4.24E-08	1.47E-08	2.32E-08	3.45E-10	3.83E-08	8.38E-09	1.28E-08	8.52E-11	2.13E-08

525	743543.87	4109692.23	9.74E-08	1.64E-07	1.81E-09	2.63E-07	1.51E-08	2.69E-08	2.71E-10	4.22E-08	1.47E-08	2.31E-08	3.44E-10	3.81E-08	8.34E-09	1.27E-08	8.48E-11	2.12E-08
526	743548.6	4109716.13	9.64E-08	1.62E-07	1.79E-09	2.60E-07	1.50E-08	2.66E-08	2.68E-10	4.18E-08	1.45E-08	2.29E-08	3.41E-10	3.78E-08	8.26E-09	1.26E-08	8.40E-11	2.10E-08
527	743553.33	4109740.04	9.49E-08	1.60E-07	1.76E-09	2.56E-07	1.47E-08	2.62E-08	2.64E-10	4.12E-08	1.43E-08	2.25E-08	3.35E-10	3.72E-08	8.14E-09	1.24E-08	8.27E-11	2.06E-08
528	743558.06	4109763.95	9.30E-08	1.57E-07	1.72E-09	2.51E-07	1.44E-08	2.57E-08	2.59E-10	4.03E-08	1.40E-08	2.21E-08	3.29E-10	3.64E-08	7.97E-09	1.22E-08	8.10E-11	2.02E-08
529	743562.79	4109787.85	9.06E-08	1.53E-07	1.68E-09	2.45E-07	1.41E-08	2.50E-08	2.52E-10	3.93E-08	1.37E-08	2.15E-08	3.20E-10	3.55E-08	7.77E-09	1.19E-08	7.90E-11	1.97E-08
530	743567.53	4109811.76	8.80E-08	1.48E-07	1.63E-09	2.38E-07	1.36E-08	2.43E-08	2.45E-10	3.82E-08	1.33E-08	2.09E-08	3.11E-10	3.45E-08	7.54E-09	1.15E-08	7.66E-11	1.91E-08
531	743572.26	4109835.67	8.52E-08	1.43E-07	1.58E-09	2.30E-07	1.32E-08	2.35E-08	2.37E-10	3.69E-08	1.28E-08	2.02E-08	3.01E-10	3.34E-08	7.30E-09	1.11E-08	7.42E-11	1.85E-08
532	743576.99	4109859.57	8.23E-08	1.38E-07	1.53E-09	2.22E-07	1.28E-08	2.27E-08	2.29E-10	3.57E-08	1.24E-08	1.95E-08	2.91E-10	3.22E-08	7.05E-09	1.08E-08	7.17E-11	1.79E-08
533	743581.72	4109883.48	7.95E-08	1.34E-07	1.47E-09	2.15E-07	1.23E-08	2.19E-08	2.21E-10	3.45E-08	1.20E-08	1.89E-08	2.81E-10	3.11E-08	6.81E-09	1.04E-08	6.92E-11	1.73E-08
534	743586.45	4109907.39	7.68E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.12E-08	2.14E-10	3.33E-08	1.16E-08	1.82E-08	2.71E-10	3.01E-08	6.58E-09	1.01E-08	6.69E-11	1.67E-08
535	743591.18	4109931.29	7.43E-08	1.25E-07	1.38E-09	2.01E-07	1.15E-08	2.05E-08	2.07E-10	3.22E-08	1.12E-08	1.76E-08	2.62E-10	2.91E-08	6.36E-09	9.72E-09	6.47E-11	1.62E-08
536	743595.91	4109955.2	7.20E-08	1.21E-07	1.34E-09	1.94E-07	1.12E-08	1.99E-08	2.00E-10	3.12E-08	1.09E-08	1.71E-08	2.54E-10	2.82E-08	6.17E-09	9.43E-09	6.27E-11	1.57E-08
537	743600.65	4109979.11	6.99E-08	1.18E-07	1.30E-09	1.89E-07	1.08E-08	1.93E-08	1.95E-10	3.03E-08	1.05E-08	1.66E-08	2.47E-10	2.74E-08	5.99E-09	9.15E-09	6.09E-11	1.52E-08
538	743605.38	4110003.02	6.81E-08	1.15E-07	1.26E-09	1.84E-07	1.06E-08	1.88E-08	1.89E-10	2.95E-08	1.03E-08	1.62E-08	2.40E-10	2.67E-08	5.83E-09	8.91E-09	5.93E-11	1.48E-08
539	743610.11	4110026.92	6.64E-08	1.12E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.85E-10	2.88E-08	1.00E-08	1.58E-08	2.35E-10	2.60E-08	5.69E-09	8.70E-09	5.79E-11	1.44E-08
540	743614.84	4110050.83	6.49E-08	1.09E-07	1.20E-09	1.75E-07	1.01E-08	1.79E-08	1.81E-10	2.82E-08	9.79E-09	1.54E-08	2.29E-10	2.54E-08	5.56E-09	8.50E-09	5.66E-11	1.41E-08
541	743619.57	4110074.74	6.36E-08	1.07E-07	1.18E-09	1.72E-07	9.87E-09	1.76E-08	1.77E-10	2.76E-08	9.59E-09	1.51E-08	2.25E-10	2.49E-08	5.45E-09	8.33E-09	5.54E-11	1.38E-08
542	743624.3	4110098.64	6.24E-08	1.05E-07	1.16E-09	1.69E-07	9.68E-09	1.72E-08	1.74E-10	2.71E-08	9.41E-09	1.48E-08	2.20E-10	2.44E-08	5.35E-09	8.17E-09	5.44E-11	1.36E-08
543	743629.04	4110122.55	6.13E-08	1.03E-07	1.14E-09	1.66E-07	9.51E-09	1.69E-08	1.71E-10	2.66E-08	9.24E-09	1.46E-08	2.17E-10	2.40E-08	5.25E-09	8.03E-09	5.34E-11	1.33E-08
544	743633.77	4110146.46	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.35E-09	1.66E-08	1.68E-10	2.62E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.17E-09	7.90E-09	5.25E-11	1.31E-08
545	743638.5	4110170.36	5.94E-08	9.99E-08	1.10E-09	1.60E-07	9.20E-09	1.64E-08	1.65E-10	2.57E-08	8.95E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.77E-09	5.17E-11	1.29E-08
546	743643.23	4110194.27	5.85E-08	9.84E-08	1.08E-09	1.58E-07	9.07E-09	1.61E-08	1.63E-10	2.54E-08	8.82E-09	1.39E-08	2.07E-10	2.29E-08	5.01E-09	7.66E-09	5.09E-11	1.27E-08
547	743647.96	4110218.18	5.77E-08	9.70E-08	1.07E-09	1.56E-07	8.94E-09	1.59E-08	1.60E-10	2.50E-08	8.69E-09	1.37E-08	2.04E-10	2.26E-08	4.94E-09	7.55E-09	5.02E-11	1.25E-08
548	743652.69	4110242.08	5.69E-08	9.57E-08	1.06E-09	1.54E-07	8.82E-09	1.57E-08	1.58E-10	2.47E-08	8.58E-09	1.35E-08	2.01E-10	2.23E-08	4.88E-09	7.45E-09	4.96E-11	1.24E-08
549	743657.42	4110265.99	5.62E-08	9.46E-08	1.04E-09	1.52E-07	8.71E-09	1.55E-08	1.56E-10	2.44E-08	8.47E-09	1.33E-08	1.99E-10	2.20E-08	4.82E-09	7.36E-09	4.90E-11	1.22E-08
550	743648.64	4110310.17	5.61E-08	9.44E-08	1.04E-09	1.52E-07	8.70E-09	1.55E-08	1.56E-10	2.43E-08	8.46E-09	1.33E-08	1.98E-10	2.20E-08	4.81E-09	7.34E-09	4.89E-11	1.22E-08
551	743635.12	4110330.45	5.67E-08	9.53E-08	1.05E-09	1.53E-07	8.79E-09	1.56E-08	1.58E-10	2.46E-08	8.54E-09	1.35E-08	2.00E-10	2.22E-08	4.85E-09	7.42E-09	4.94E-11	1.23E-08
552	743621.59	4110350.72	5.73E-08	9.65E-08	1.06E-09	1.55E-07	8.89E-09	1.58E-08	1.59E-10	2.49E-08	8.64E-09	1.36E-08	2.02E-10	2.25E-08	4.91E-09	7.51E-09	4.99E-11	1.25E-08
553	743608.07	4110371	5.80E-08	9.77E-08	1.08E-09	1.57E-07	9.00E-09	1.60E-08	1.61E-10	2.52E-08	8.75E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.60E-09	5.06E-11	1.26E-08
554	743594.55	4110391.28	5.88E-08	9.89E-08	1.09E-09	1.59E-07	9.11E-09	1.62E-08	1.64E-10	2.55E-08	8.86E-09	1.40E-08	2.08E-10	2.30E-08	5.04E-09	7.70E-09	5.12E-11	1.28E-08
555	743581.03	4110411.55	5.95E-08	1.00E-07	1.10E-09	1.61E-07	9.22E-09	1.64E-08	1.66E-10	2.58E-08	8.97E-09	1.41E-08	2.10E-10	2.33E-08	5.10E-09	7.79E-09	5.18E-11	1.29E-08
556	743567.51	4110431.83	6.01E-08	1.01E-07	1.12E-09	1.62E-07	9.33E-09	1.66E-08	1.67E-10	2.61E-08	9.07E-09	1.43E-08	2.12E-10	2.36E-08	5.15E-09	7.88E-09	5.24E-11	1.31E-08
557	743553.99	4110452.1	6.07E-08	1.02E-07	1.13E-09	1.64E-07	9.41E-09	1.67E-08	1.69E-10	2.63E-08	9.15E-09	1.44E-08	2.14E-10	2.38E-08	5.20E-09	7.95E-09	5.29E-11	1.32E-08
558	743540.47	4110472.38	6.11E-08	1.03E-07	1.13E-09	1.65E-07	9.47E-09	1.68E-08	1.70E-10	2.65E-08	9.21E-09	1.45E-08	2.16E-10	2.39E-08	5.23E-09	8.00E-09	5.32E-11	1.33E-08
559	743526.95	4110492.66	6.12E-08	1.03E-07	1.14E-09	1.65E-07	9.50E-09	1.69E-08	1.70E-10	2.66E-08	9.23E-09	1.45E-08	2.16E-10	2.40E-08	5.25E-09	8.02E-09	5.34E-11	1.33E-08
560	743513.43	4110512.93	6.12E-08	1.03E-07	1.13E-09	1.65E-07	9.49E-09	1.69E-08	1.70E-10	2.65E-08	9.23E-09	1.45E-08	2.16E-10	2.40E-08	5.24E-09	8.01E-09	5.33E-11	1.33E-08
561	743499.91	4110533.21	6.09E-08	1.02E-07	1.13E-09	1.64E-07	9.44E-09	1.68E-08	1.69E-10	2.64E-08	9.18E-09	1.45E-08	2.15E-10	2.38E-08	5.22E-09	7.97E-09	5.30E-11	1.32E-08
562	743486.39	4110553.49	6.03E-08	1.02E-07	1.12E-09	1.63E-07	9.36E-09	1.66E-08	1.68E-10	2.62E-08	9.10E-09	1.43E-08	2.13E-10	2.36E-08	5.17E-09	7.90E-09	5.26E-11	1.31E-08
563	743472.87	4110573.76	5.96E-08	1.00E-07	1.11E-09	1.61E-07	9.24E-09	1.64E-08	1.66E-10	2.58E-08	8.98E-09	1.41E-08	2.10E-10	2.33E-08	5.11E-09	7.80E-09	5.19E-11	1.30E-08
564	743459.35	4110594.04	5.86E-08	9.87E-08	1.09E-09	1.58E-07	9.09E-09	1.62E-08	1.63E-10	2.54E-08	8.84E-09	1.39E-08	2.07E-10	2.30E-08	5.02E-09	7.68E-09	5.11E-11	1.28E-08
565	743445.83	4110614.31	5.75E-08	9.68E-08	1.07E-09	1.55E-07	8.92E-09	1.59E-08	1.60E-10	2.50E-08	8.67E-09	1.37E-08	2.03E-10	2.25E-08	4.93E-09	7.53E-09	5.01E-11	1.25E-08
566	743432.31	4110634.59	5.63E-08	9.48E-08	1.04E-09	1.52E-07	8.73E-09	1.55E-08	1.57E-10	2.44E-08	8.49E-09	1.34E-08	1.99E-10	2.21E-08	4.83E-09	7.37E-09	4.91E-11	1.22E-08
567	743418.79	4110654.87	5.50E-08	9.26E-08	1.02E-09	1.49E-07	8.54E-09	1.52E-08	1.53E-10	2.39E-08	8.30E-09	1.31E-08	1.94E-10	2.16E-08	4.72E-09	7.21E-09	4.80E-11	1.20E-08
568	743405.27	4110675.14	5.38E-08	9.05E-08	9.97E-10	1.45E-07	8.34E-09	1.48E-08	1.50E-10	2.33E-08	8.11E-09	1.28E-08	1.90E-10	2.11E-08	4.61E-09	7.04E-09	4.68E-11	1.17E-08
569	743391.75	4110695.42	5.25E-08	8.84E-08	9.74E-10	1.42E-07	8.14E-09	1.45E-08	1.46E-10	2.28E-08	7.92E-09	1.25E-08	1.86E-10	2.06E-08	4.50E-09	6.88E-09	4.58E-11	1.14E-08
570	743378.23	4110715.69	5.14E-08	8.64E-08	9.53E-10	1.39E-07	7.96E-09	1.42E-08	1.43E-10	2.23E-08	7.74E-09	1.22E-08	1.81E-10	2.01E-08	4.40E-09	6.72E-09	4.47E-11	1.12E-08
571	743364.71	4110735.97	5.03E-08	8.47E-08	9.33E-10	1.36E-07	7.80E-09	1.39E-08	1.40E-10	2.18E-08	7.59E-09	1.19E-08	1.78E-10	1.97E-08	4.31E-09	6.59E-09	4.38E-11	1.09E-08
572	743351.19	4110756.25	4.94E-08	8.31E-08	9.16E-10	1.33E-07	7.66E-09	1.36E-08	1.37E-10	2.14E-08	7.45E-09	1.17E-08	1.74E-10	1.93E-08	4.23E-09	6.47E-09	4.30E-11	1.07E-08
573	743337.67	4110776.52	4.86E-08	8.19E-08	9.02E-10	1.31E-07	7.54E-09	1.34E-08	1.35E-10	2.11E-08	7.34E-09	1.15E-08	1.72E-10	1.91E-08	4.17E-09	6.37E-09	4.24E-11	1.06E-08
574	743324.15	4110796.8	4.81E-08	8.09E-08	8.92E-10	1.30E-07	7.45E-09	1.33E-08	1.34E-10	2.09E-08	7.25E-09	1.14E-08	1.70E-10	1.88E-08	4.12E-09	6.29E-09	4.19E-11	1.05E-08
575	743310.63	4110817.07	4.77E-08	8.02E-08	8.84E-10	1.29E-07	7.39E-09	1.32E-08	1.33E-10	2.07E-08	7.19E-09	1.13E-08	1.68E-10	1.87E-08	4.09E-09	6.24E-09	4.15E-11	1.04E-08
576	743297.11	4110837.35	4.75E-08	7.99E-08	8.80E-10	1.28E-07	7.36E-09	1.31E-08	1.32E-10	2.06E-08	7.16E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
577	743283.59	4110857.63	4.74E-08	7.98E-08	8.79E-10	1.28E-07	7.35E-09	1.31E-08	1.32E-10	2.06E-08	7.15E-09	1.13E-08	1.67E-10	1.86E-08	4.06E-09	6.21E-09	4.13E-11	1.03E-08
578	743270.07	4110877.9	4.75E-08	7.99E-08	8.81E-10	1.28E-07	7.36E-09	1.31E-08	1.32E-10	2.06E-08	7.16E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
579	743256.55	4110898.18	4.76E-08	8.02E-08	8.84E-10	1.29E-07	7.39E-09	1.31E-08	1.33E-10	2.07E-08	7.18E-09	1.13E-08	1.68E-10	1.87E-08	4.08E-09	6.24E-09	4.15E-11	1.04E-08
580	743243.02	4110918.45	4.78E-08	8.05E-08	8.87E-10	1.29E-07	7.42E-09	1.32E-08	1.33E-10	2.08E-08	7.21E-09	1.14E-08	1.69E-10	1.87E-08	4.10E-09	6.27E-09	4.17E-11	1.04E-08
581	743229.5	4110938.73	4.80E-08	8.08E-08	8.91E-10	1.30E-07	7.45E-09	1.33E-08	1.34E-10	2.08E-08	7.24E-09	1.14E-08	1.70E-10	1.88E-08	4.12E-09	6.29E-09	4.19E-11	1.04E-08
582	743215.98	4110959.01	4.82E-08	8.11E-08	8.94E-10	1.30E-07	7.47E-09	1.33E-08	1.34E-10	2.09E-08	7.26E-09	1.14E-08	1.70E-10	1.89E-08	4.13E-09	6.31E-09	4.20E-11	1.05E-08
583	743202.46	4110979.28	4.82E-08	8.12E-08	8.95E-10	1.30E-07	7.48E-09	1.33E-08	1.34E-10	2.09E-08	7.27E-09	1.15E-08	1.70E-10	1.89E-08	4.13E-09	6.32E-09	4.20E-11	1.05E-08
584	743188.94	4110999.56	4.82E-08	8.10E-08	8.93E-10	1.30E-07	7.47E-09	1.33E-08	1.34E-10	2.09E-08	7.26E-09	1.14E-08	1.70E-10	1.89E-08	4.13E-09	6.31E-09	4.20E-11	1.05E-08
585	743175.42	4111019.83	4.79E-08	8.07E-08	8.89E-10	1.30E-07	7.44E-09	1.32E-08	1.33E-10	2.08E-08	7.23E-09	1.14E-08	1.69E-10	1.88E-08	4.11E-09	6.28E-09	4.18E-11	1.04E-08
586	743161.9	4111040.11	4.76E-08	8.01E-08	8.82E-10	1.29E-07	7.38E-09	1.31E-08	1.32E-10	2.06E-08	7.17E-09	1.13E-08	1.68E-10	1.86E-08	4.08E-09	6.23E-09	4.14E-11	1.03E-08
587	743148.38	4111060.39	4.70E-08	7.92E-08	8.73E-10	1.27E-07	7.30E-09	1.30E-08	1.31E-10	2.04E-08	7.09E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.16E-09	4.10E-11	1.02E-08
588	743134.86	4111080.66	4.63E-08	7.80E-08	8.59E-10	1.25E-07	7.18E-09	1.28E-08	1.29E-10	2.01E-08	6.99E-09	1.10E-08	1.64E-10	1.81E-08	3.97E-09	6.07E-09	4.04E-11	1.01E-08
589	743121.34	4111100.94	4.55E-08	7.65E-08	8.43E-10	1.23E-07	7.05E-09	1.25E-08	1.26E-10	1.97E-08	6.86E-09	1.08E-08	1.61E-10	1.78E-08	3.90E-09	5.95E-09	3.96E-11	9.89E-09
590	743107.82	4111121.22	4.45E-08	7.48E-08	8.25E-10	1.20E-07	6.89E-09	1.23E-08	1.24E-10	1.93E-08	6.70E-09	1.06E-08	1.57E-10	1.74E-08	3.81E-09	5.82E-09	3.87E-11	9.67E-09
591	743094.3	4111141.49	4.33E-08	7.29E-08	8.03E-10	1.17E-07	6.72E-09	1.19E-08	1.20E-10	1.88E-08	6.53E-09	1.03E-08	1.53E-10	1.70E-08	3.71E-09	5.67E-09	3.77E-11	9.42E-09
592	743080.78	4111161.77	4.20E-08	7.07E-08	7.80E-10	1.14E-07	6.52E-09	1.16E-08	1.17E-10	1.82E-08	6.34E-09	9.98E-09	1.48E-10	1.65E-08	3.60E-09	5.50E-09	3.66E-11	9.14E-09
593	743067.26	4111182.04	4.06E-08	6.84E-08	7.54E-10	1.10E-07	6.30E-09	1.12E-08	1.13E-10	1.76E-08	6.13E-09	9.65E-09	1.44E-10	1.59E-08	3.48E-09	5.32E-09	3.54E-11	8.84E-09
594	743053.74	4111202.32	3.92E-08	6.59E-08	7.26E-10	1.06E-07	6.07E-09	1.08E-08	1.09E-10	1.70E-08	5.90E-09	9.30E-09	1.38E-10	1.53E-08	3.36E-09	5.13E-09	3.41E-11	8.52E-09
595	743040.22	4111222.6	3.76E-08	6.33E-08	6.97E-10	1.02E-07	5.83E-09	1.04E-08	1.05E-10	1.63E-08	5.67E-09	8.93E-09	1.33E-10	1.47E-08	3.22E-09	4.92E-09	3.28E-11	8.18E-09
596	743439.77	4109166.28	1.47E-07	2.47E-07	2.72E-09	3.96E-07	2.27E-08	4.04E-08	4.08E-10	6.36E-08	2.21E-08	3.48E-08	5.18E-10	5.74E-08	1.26E-08	1.92E-08	1.28E-10	3.19E-08
597	743426.23	4109145.92	1.47E-07	2.48E-07	2.73E-09	3.98E-07	2.29E-08	4.07E-08	4.10E-10	6.39E-08	2.22E-08	3.50E-08	5.21E-10	5.78E-08	1.26E-08	1.93E-08	1.28E-10	3.21E-08
598	743412.68	4109125.56	1.48E-07	2.49E-07	2.74E-09	3.99E-07	2.29E-08	4.08E-08	4.11E-10	6.41E-08	2.23E-08	3.51E-08	5.22E-10	5.79E-08	1.27E-08	1.93E-08	1.29E-10	3.21E-08
599	743399.13	4109105.2	1.48E-07	2.48E-07	2.74E-09	3.99E-07	2.29E-08	4.07E-08	4.11E-10	6.40E-08	2.23E-08	3.50E-08	5.21E-10	5.78E-08	1.26E-08	1.93E-08	1.29E-10	3.21E-08
600	743385.58	4109084.83	1.47E-07	2.47E-07	2.73E-09	3.97E-07	2.28E-08	4.05E-08	4.09E-10	6.37E-08	2.22E-08	3.49E-08	5.19E-10	5.76E-08	1.26E-08	1.92E-08	1.28E-10	3.20E-08
601	743372.03	4109064.47	1.46E-07	2.45E-07	2.70E-09	3.94E-07	2.26E-08	4.02E-08	4.06E-10	6.32E-08	2.20E-08	3.46E-08	5.15E-10	5.71E-08	1.25E-08	1.91E-08	1.27E-10	3.17E-08
602	743358.48	4109044.11	1.44E-07	2.43E-07	2.67E-09	3.89E-07	2.24E-08	3.98E-08	4.01E-10	6.25E-08	2.17E-08	3.42E-08	5.09E-10	5.65E-08	1.24E-08	1.89E-08	1.26E-10	3.14E-08
603	743344.93	4109023.75	1.42E-07	2.39E-07	2.64E-09	3.84E-07	2.20E-08	3.92E-08	3.95E-10	6.16E-08	2.14E-08	3.37E-08	5.02E-10	5.57E-08	1.22E-08	1.86E-08	1.24E-10	3.09E-08
604	743331.38	4109003.39	1.40E-07	2.35E-07	2.59E-09	3.78E-07	2.17E-08	3.86E-08	3.89E-10	6.06E-08	2.11E-08	3.32E-08	4.94E-10	5.47E-08	1.20E-08	1.83E-08	1.22E-10	3.04E-08
605	743777.48	4108968.41	1.02E-07	1.72E-07	1.89E-09	2.76E-07	1.58E-08	2.82E-08	2.84E-10	4.43E-08	1.54E-08	2.42E-08	3.61E-10	4.00E-08	8.75E-09	1.34E-08	8.89E-11	2.22E-08
606	743782.18	4108992.13	1.02E-07	1.72E-07	1.90E-09	2.76E-07	1.59E-08	2.82E-08	2.85E-10	4.44E-08	1.54E-08	2.43E-08	3.61E-10	4.01E-08	8.77E-09	1.34E-08	8.91E-11	2.23E-08
607	743786.87	4109015.85	1.02E-07	1.72E-07	1.90E-09	2.76E-07	1.59E-08	2.82E-08	2.85E-10	4.44E-08	1.54E-08	2.43E-08	3.61E-10	4.01E-08	8.77E-09	1.34E-08	8.91E-11	2.22E-08
608	743791.57	4109039.57	1.02E-07	1.72E-07	1.89E-09	2.76E-07	1.58E-08	2.81E-08	2.84E-10	4.42E-08	1.54E-08	2.42E-08	3.60E-10	4.00E-08	8.74E-09	1.34E-08	8.89E-11	2.22E-08
609	743796.26	4109063.29	1.01E-07	1.71E-07	1.88E-09	2.74E-07	1.57E-08	2.80E-08	2.82E-10	4.40E-08	1.53E-08	2.41E-08	3.58E-10	3.97E-08	8.68E-09	1.33E-08	8.83E-11	2.20E-08
610	743800.95	4109087.01	1.00E-07	1.69E-07	1.86E-09	2.71E-07	1.56E-08	2.77E-08	2.79E-10	4.35E-08	1.51E-08	2.38E-08	3.54E-10	3.93E-08	8.60E-09	1.31E-08	8.74E-11	2.18E-08
611	743805.65	4109110.73	9.89E-08	1.66E-07	1.83E-09	2.67E-07	1.53E-08	2.73E-08	2.75E-10	4.29E-08	1.49E-08	2.35E-08	3.49E-10	3.87E-08	8.47E-09	1.29E-08	8.61E-11	2.15E-08
612	743810.34	4109134.45	9.70E-08	1.63E-07	1.80E-09	2.62E-07	1.50E-08	2.68E-08	2.70E-10	4.21E-08	1.46E-08	2.30E-08	3.43E-10	3.80E-08	8.31E-09	1.27E-08	8.45E-11	2.11E-08

613	743815.04	4109158.17	9.47E-08	1.59E-07	1.76E-09	2.56E-07	1.47E-08	2.61E-08	2.64E-10	4.11E-08	1.43E-08	2.25E-08	3.35E-10	3.71E-08	8.12E-09	1.24E-08	8.25E-11	2.06E-08
614	743819.73	4109181.89	9.22E-08	1.55E-07	1.71E-09	2.49E-07	1.43E-08	2.54E-08	2.57E-10	4.00E-08	1.39E-08	2.19E-08	3.26E-10	3.61E-08	7.90E-09	1.21E-08	8.03E-11	2.01E-08
615	743824.43	4109205.62	8.95E-08	1.51E-07	1.66E-09	2.42E-07	1.39E-08	2.47E-08	2.49E-10	3.88E-08	1.35E-08	2.12E-08	3.16E-10	3.51E-08	7.67E-09	1.17E-08	7.80E-11	1.95E-08
616	743829.12	4109229.34	8.66E-08	1.46E-07	1.61E-09	2.34E-07	1.34E-08	2.39E-08	2.41E-10	3.76E-08	1.31E-08	2.06E-08	3.06E-10	3.39E-08	7.42E-09	1.13E-08	7.55E-11	1.88E-08
617	743833.82	4109253.06	8.37E-08	1.41E-07	1.55E-09	2.26E-07	1.30E-08	2.31E-08	2.33E-10	3.63E-08	1.26E-08	1.99E-08	2.96E-10	3.28E-08	7.17E-09	1.10E-08	7.29E-11	1.82E-08
618	743838.51	4109276.78	8.09E-08	1.36E-07	1.50E-09	2.18E-07	1.25E-08	2.23E-08	2.25E-10	3.51E-08	1.22E-08	1.92E-08	2.86E-10	3.17E-08	6.93E-09	1.06E-08	7.05E-11	1.76E-08
619	743843.21	4109300.5	7.81E-08	1.31E-07	1.45E-09	2.11E-07	1.21E-08	2.16E-08	2.17E-10	3.39E-08	1.18E-08	1.85E-08	2.76E-10	3.06E-08	6.69E-09	1.02E-08	6.81E-11	1.70E-08
620	743847.9	4109324.22	7.55E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.08E-08	2.10E-10	3.28E-08	1.14E-08	1.79E-08	2.67E-10	2.96E-08	6.47E-09	9.89E-09	6.58E-11	1.64E-08
621	743852.6	4109347.94	7.32E-08	1.23E-07	1.36E-09	1.98E-07	1.13E-08	2.02E-08	2.04E-10	3.17E-08	1.10E-08	1.74E-08	2.59E-10	2.87E-08	6.27E-09	9.58E-09	6.38E-11	1.59E-08
622	743857.29	4109371.66	7.11E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.09E-08	1.07E-08	1.69E-08	2.51E-10	2.79E-08	6.10E-09	9.31E-09	6.20E-11	1.55E-08
623	743861.99	4109395.38	6.94E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.93E-10	3.01E-08	1.05E-08	1.65E-08	2.45E-10	2.72E-08	5.95E-09	9.09E-09	6.05E-11	1.51E-08
624	743866.68	4109419.1	6.81E-08	1.15E-07	1.26E-09	1.84E-07	1.06E-08	1.88E-08	1.90E-10	2.96E-08	1.03E-08	1.62E-08	2.41E-10	2.67E-08	5.84E-09	8.92E-09	5.94E-11	1.48E-08
625	743871.38	4109442.82	6.72E-08	1.13E-07	1.25E-09	1.82E-07	1.04E-08	1.86E-08	1.87E-10	2.92E-08	1.01E-08	1.60E-08	2.38E-10	2.63E-08	5.76E-09	8.81E-09	5.86E-11	1.46E-08
626	743876.07	4109466.54	6.68E-08	1.12E-07	1.24E-09	1.80E-07	1.04E-08	1.84E-08	1.86E-10	2.90E-08	1.01E-08	1.59E-08	2.36E-10	2.62E-08	5.73E-09	8.75E-09	5.82E-11	1.45E-08
627	743880.76	4109490.27	6.68E-08	1.12E-07	1.24E-09	1.80E-07	1.04E-08	1.84E-08	1.86E-10	2.90E-08	1.01E-08	1.59E-08	2.36E-10	2.62E-08	5.73E-09	8.75E-09	5.82E-11	1.45E-08
628	743885.46	4109513.99	6.71E-08	1.13E-07	1.24E-09	1.81E-07	1.04E-08	1.85E-08	1.87E-10	2.91E-08	1.01E-08	1.59E-08	2.37E-10	2.63E-08	5.75E-09	8.78E-09	5.84E-11	1.46E-08
629	743890.15	4109537.71	6.75E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.78E-09	8.84E-09	5.88E-11	1.47E-08
630	743894.85	4109561.43	6.79E-08	1.14E-07	1.26E-09	1.83E-07	1.05E-08	1.87E-08	1.89E-10	2.94E-08	1.02E-08	1.61E-08	2.40E-10	2.66E-08	5.81E-09	8.89E-09	5.91E-11	1.48E-08
631	743899.54	4109585.15	6.82E-08	1.15E-07	1.26E-09	1.84E-07	1.06E-08	1.88E-08	1.90E-10	2.96E-08	1.03E-08	1.62E-08	2.41E-10	2.67E-08	5.84E-09	8.93E-09	5.94E-11	1.48E-08
632	743904.24	4109608.87	6.82E-08	1.15E-07	1.27E-09	1.84E-07	1.06E-08	1.88E-08	1.90E-10	2.96E-08	1.03E-08	1.62E-08	2.41E-10	2.67E-08	5.85E-09	8.94E-09	5.95E-11	1.48E-08
633	743908.93	4109632.59	6.80E-08	1.14E-07	1.26E-09	1.84E-07	1.05E-08	1.88E-08	1.89E-10	2.95E-08	1.03E-08	1.61E-08	2.40E-10	2.66E-08	5.83E-09	8.91E-09	5.93E-11	1.48E-08
634	743913.63	4109656.31	6.76E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.39E-10	2.65E-08	5.79E-09	8.85E-09	5.89E-11	1.47E-08
635	743918.32	4109680.03	6.68E-08	1.12E-07	1.24E-09	1.80E-07	1.04E-08	1.84E-08	1.86E-10	2.90E-08	1.01E-08	1.59E-08	2.36E-10	2.62E-08	5.72E-09	8.75E-09	5.82E-11	1.45E-08
636	743923.02	4109703.75	6.57E-08	1.11E-07	1.22E-09	1.78E-07	1.02E-08	1.81E-08	1.83E-10	2.85E-08	9.91E-09	1.56E-08	2.32E-10	2.58E-08	5.63E-09	8.61E-09	5.73E-11	1.43E-08
637	743927.71	4109727.47	6.45E-08	1.08E-07	1.20E-09	1.74E-07	1.00E-08	1.78E-08	1.79E-10	2.80E-08	9.72E-09	1.53E-08	2.28E-10	2.52E-08	5.52E-09	8.44E-09	5.62E-11	1.40E-08
638	743932.41	4109751.19	6.30E-08	1.06E-07	1.17E-09	1.70E-07	9.76E-09	1.74E-08	1.75E-10	2.73E-08	9.49E-09	1.49E-08	2.22E-10	2.47E-08	5.40E-09	8.24E-09	5.49E-11	1.37E-08
639	743937.1	4109774.91	6.13E-08	1.03E-07	1.14E-09	1.66E-07	9.51E-09	1.69E-08	1.71E-10	2.66E-08	9.25E-09	1.46E-08	2.17E-10	2.40E-08	5.26E-09	8.03E-09	5.34E-11	1.33E-08
640	743941.8	4109798.64	5.97E-08	1.00E-07	1.11E-09	1.61E-07	9.25E-09	1.65E-08	1.66E-10	2.59E-08	9.00E-09	1.42E-08	2.11E-10	2.34E-08	5.11E-09	7.81E-09	5.20E-11	1.30E-08
641	743946.49	4109822.36	5.80E-08	9.75E-08	1.08E-09	1.57E-07	8.99E-09	1.60E-08	1.61E-10	2.51E-08	8.74E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.59E-09	5.05E-11	1.26E-08
642	743951.19	4109846.08	5.63E-08	9.48E-08	1.04E-09	1.52E-07	8.73E-09	1.55E-08	1.57E-10	2.44E-08	8.49E-09	1.34E-08	1.99E-10	2.21E-08	4.82E-09	7.37E-09	4.91E-11	1.22E-08
643	743955.88	4109869.8	5.47E-08	9.21E-08	1.01E-09	1.48E-07	8.48E-09	1.51E-08	1.52E-10	2.37E-08	8.25E-09	1.30E-08	1.93E-10	2.14E-08	4.69E-09	7.16E-09	4.77E-11	1.19E-08
644	743960.58	4109893.52	5.32E-08	8.95E-08	9.86E-10	1.44E-07	8.25E-09	1.47E-08	1.48E-10	2.31E-08	8.02E-09	1.26E-08	1.88E-10	2.08E-08	4.56E-09	6.96E-09	4.63E-11	1.16E-08
645	743965.27	4109917.24	5.18E-08	8.71E-08	9.60E-10	1.40E-07	8.03E-09	1.43E-08	1.44E-10	2.25E-08	7.81E-09	1.23E-08	1.83E-10	2.03E-08	4.44E-09	6.78E-09	4.51E-11	1.13E-08
646	743969.96	4109940.96	5.04E-08	8.49E-08	9.36E-10	1.36E-07	7.82E-09	1.39E-08	1.40E-10	2.19E-08	7.61E-09	1.20E-08	1.78E-10	1.98E-08	4.32E-09	6.60E-09	4.39E-11	1.10E-08
647	743974.66	4109964.68	4.92E-08	8.28E-08	9.13E-10	1.33E-07	7.63E-09	1.36E-08	1.37E-10	2.14E-08	7.42E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.45E-09	4.29E-11	1.07E-08
648	743979.35	4109988.4	4.81E-08	8.10E-08	8.93E-10	1.30E-07	7.47E-09	1.33E-08	1.34E-10	2.09E-08	7.26E-09	1.14E-08	1.70E-10	1.89E-08	4.12E-09	6.30E-09	4.19E-11	1.05E-08
649	743984.05	4110012.12	4.71E-08	7.93E-08	8.74E-10	1.27E-07	7.31E-09	1.30E-08	1.31E-10	2.05E-08	7.11E-09	1.12E-08	1.67E-10	1.85E-08	4.04E-09	6.17E-09	4.11E-11	1.03E-08
650	743988.74	4110035.84	4.63E-08	7.78E-08	8.58E-10	1.25E-07	7.17E-09	1.28E-08	1.29E-10	2.01E-08	6.98E-09	1.10E-08	1.63E-10	1.81E-08	3.96E-09	6.06E-09	4.03E-11	1.01E-08
651	743993.44	4110059.56	4.54E-08	7.65E-08	8.43E-10	1.23E-07	7.05E-09	1.25E-08	1.26E-10	1.97E-08	6.85E-09	1.08E-08	1.61E-10	1.78E-08	3.89E-09	5.95E-09	3.96E-11	9.88E-09
652	743998.13	4110083.29	4.47E-08	7.52E-08	8.29E-10	1.21E-07	6.93E-09	1.23E-08	1.24E-10	1.94E-08	6.74E-09	1.06E-08	1.58E-10	1.75E-08	3.83E-09	5.85E-09	3.89E-11	9.72E-09
653	744002.83	4110107.01	4.41E-08	7.42E-08	8.17E-10	1.19E-07	6.83E-09	1.22E-08	1.23E-10	1.91E-08	6.64E-09	1.05E-08	1.56E-10	1.73E-08	3.78E-09	5.77E-09	3.84E-11	9.58E-09
654	744007.52	4110130.73	4.35E-08	7.32E-08	8.06E-10	1.17E-07	6.74E-09	1.20E-08	1.21E-10	1.89E-08	6.56E-09	1.03E-08	1.54E-10	1.70E-08	3.73E-09	5.69E-09	3.79E-11	9.46E-09
655	744012.22	4110154.45	4.29E-08	7.23E-08	7.96E-10	1.16E-07	6.66E-09	1.18E-08	1.19E-10	1.86E-08	6.47E-09	1.02E-08	1.52E-10	1.68E-08	3.68E-09	5.62E-09	3.74E-11	9.34E-09
656	744016.91	4110178.17	4.24E-08	7.14E-08	7.87E-10	1.15E-07	6.58E-09	1.17E-08	1.18E-10	1.84E-08	6.40E-09	1.01E-08	1.50E-10	1.66E-08	3.64E-09	5.56E-09	3.70E-11	9.23E-09
657	744021.61	4110201.89	4.20E-08	7.06E-08	7.78E-10	1.13E-07	6.51E-09	1.16E-08	1.17E-10	1.82E-08	6.33E-09	9.96E-09	1.48E-10	1.64E-08	3.59E-09	5.49E-09	3.65E-11	9.12E-09
658	744026.3	4110225.61	4.15E-08	6.98E-08	7.70E-10	1.12E-07	6.43E-09	1.14E-08	1.15E-10	1.80E-08	6.26E-09	9.85E-09	1.47E-10	1.63E-08	3.56E-09	5.43E-09	3.61E-11	9.02E-09
659	744031	4110249.33	4.11E-08	6.91E-08	7.62E-10	1.11E-07	6.37E-09	1.13E-08	1.14E-10	1.78E-08	6.19E-09	9.75E-09	1.45E-10	1.61E-08	3.52E-09	5.38E-09	3.58E-11	8.93E-09
660	744035.69	4110273.05	4.06E-08	6.84E-08	7.54E-10	1.10E-07	6.30E-09	1.12E-08	1.13E-10	1.76E-08	6.13E-09	9.65E-09	1.44E-10	1.59E-08	3.48E-09	5.32E-09	3.54E-11	8.84E-09
661	744040.39	4110296.77	4.02E-08	6.77E-08	7.46E-10	1.09E-07	6.24E-09	1.11E-08	1.12E-10	1.74E-08	6.06E-09	9.55E-09	1.42E-10	1.58E-08	3.45E-09	5.27E-09	3.50E-11	8.75E-09
662	744045.08	4110320.49	3.98E-08	6.70E-08	7.39E-10	1.08E-07	6.17E-09	1.10E-08	1.11E-10	1.73E-08	6.00E-09	9.45E-09	1.41E-10	1.56E-08	3.41E-09	5.21E-09	3.47E-11	8.66E-09
663	744049.77	4110344.21	3.94E-08	6.64E-08	7.32E-10	1.07E-07	6.12E-09	1.09E-08	1.10E-10	1.71E-08	5.95E-09	9.36E-09	1.39E-10	1.55E-08	3.38E-09	5.17E-09	3.44E-11	8.58E-09
664	744041.05	4110388.05	3.93E-08	6.62E-08	7.30E-10	1.06E-07	6.10E-09	1.09E-08	1.09E-10	1.71E-08	5.93E-09	9.34E-09	1.39E-10	1.54E-08	3.37E-09	5.15E-09	3.43E-11	8.56E-09
665	744027.64	4110408.17	3.96E-08	6.67E-08	7.35E-10	1.07E-07	6.14E-09	1.09E-08	1.10E-10	1.72E-08	5.97E-09	9.41E-09	1.40E-10	1.55E-08	3.40E-09	5.19E-09	3.45E-11	8.62E-09
666	744014.22	4110428.29	4.00E-08	6.73E-08	7.41E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.73E-08	6.03E-09	9.49E-09	1.41E-10	1.57E-08	3.42E-09	5.23E-09	3.48E-11	8.69E-09
667	744000.81	4110448.41	4.04E-08	6.79E-08	7.49E-10	1.09E-07	6.26E-09	1.11E-08	1.12E-10	1.75E-08	6.09E-09	9.58E-09	1.43E-10	1.58E-08	3.46E-09	5.29E-09	3.52E-11	8.78E-09
668	743987.39	4110468.53	4.08E-08	6.87E-08	7.57E-10	1.10E-07	6.33E-09	1.13E-08	1.14E-10	1.77E-08	6.16E-09	9.69E-09	1.44E-10	1.60E-08	3.50E-09	5.35E-09	3.56E-11	8.88E-09
669	743973.98	4110488.65	4.13E-08	6.96E-08	7.67E-10	1.12E-07	6.41E-09	1.14E-08	1.15E-10	1.79E-08	6.23E-09	9.81E-09	1.46E-10	1.62E-08	3.54E-09	5.41E-09	3.60E-11	8.99E-09
670	743960.56	4110508.76	4.19E-08	7.04E-08	7.76E-10	1.13E-07	6.49E-09	1.15E-08	1.16E-10	1.82E-08	6.31E-09	9.94E-09	1.48E-10	1.64E-08	3.59E-09	5.48E-09	3.65E-11	9.10E-09
671	743947.15	4110528.88	4.24E-08	7.13E-08	7.86E-10	1.14E-07	6.57E-09	1.17E-08	1.18E-10	1.84E-08	6.39E-09	1.01E-08	1.50E-10	1.66E-08	3.63E-09	5.55E-09	3.69E-11	9.22E-09
672	743933.73	4110549	4.29E-08	7.22E-08	7.95E-10	1.16E-07	6.65E-09	1.18E-08	1.19E-10	1.86E-08	6.47E-09	1.02E-08	1.51E-10	1.68E-08	3.67E-09	5.61E-09	3.74E-11	9.33E-09
673	743920.32	4110569.12	4.33E-08	7.29E-08	8.04E-10	1.17E-07	6.72E-09	1.20E-08	1.21E-10	1.88E-08	6.53E-09	1.03E-08	1.53E-10	1.70E-08	3.71E-09	5.67E-09	3.78E-11	9.43E-09
674	743906.9	4110589.24	4.37E-08	7.36E-08	8.11E-10	1.18E-07	6.78E-09	1.21E-08	1.22E-10	1.90E-08	6.59E-09	1.04E-08	1.54E-10	1.71E-08	3.75E-09	5.72E-09	3.81E-11	9.51E-09
675	743893.49	4110609.36	4.40E-08	7.40E-08	8.16E-10	1.19E-07	6.82E-09	1.21E-08	1.22E-10	1.91E-08	6.63E-09	1.04E-08	1.55E-10	1.72E-08	3.77E-09	5.76E-09	3.83E-11	9.56E-09
676	743880.07	4110629.47	4.41E-08	7.42E-08	8.18E-10	1.19E-07	6.84E-09	1.22E-08	1.23E-10	1.91E-08	6.65E-09	1.05E-08	1.56E-10	1.73E-08	3.78E-09	5.78E-09	3.84E-11	9.59E-09
677	743866.66	4110649.59	4.41E-08	7.42E-08	8.18E-10	1.19E-07	6.84E-09	1.22E-08	1.23E-10	1.91E-08	6.65E-09	1.05E-08	1.56E-10	1.73E-08	3.78E-09	5.77E-09	3.84E-11	9.59E-09
678	743853.24	4110669.71	4.39E-08	7.39E-08	8.15E-10	1.19E-07	6.81E-09	1.21E-08	1.22E-10	1.90E-08	6.62E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.75E-09	3.83E-11	9.55E-09
679	743839.83	4110689.83	4.36E-08	7.33E-08	8.08E-10	1.18E-07	6.76E-09	1.20E-08	1.21E-10	1.89E-08	6.57E-09	1.03E-08	1.54E-10	1.71E-08	3.73E-09	5.71E-09	3.80E-11	9.48E-09
680	743826.41	4110709.95	4.31E-08	7.25E-08	7.99E-10	1.16E-07	6.68E-09	1.19E-08	1.20E-10	1.87E-08	6.50E-09	1.02E-08	1.52E-10	1.69E-08	3.69E-09	5.64E-09	3.75E-11	9.37E-09
681	743813	4110730.07	4.25E-08	7.15E-08	7.88E-10	1.15E-07	6.59E-09	1.17E-08	1.18E-10	1.84E-08	6.40E-09	1.01E-08	1.50E-10	1.66E-08	3.64E-09	5.56E-09	3.70E-11	9.24E-09
682	743799.58	4110750.18	4.17E-08	7.02E-08	7.74E-10	1.13E-07	6.47E-09	1.15E-08	1.16E-10	1.81E-08	6.29E-09	9.91E-09	1.47E-10	1.63E-08	3.58E-09	5.46E-09	3.64E-11	9.08E-09
683	743786.17	4110770.3	4.09E-08	6.88E-08	7.58E-10	1.10E-07	6.34E-09	1.13E-08	1.14E-10	1.77E-08	6.17E-09	9.71E-09	1.44E-10	1.60E-08	3.50E-09	5.35E-09	3.56E-11	8.89E-09
684	743772.75	4110790.42	4.00E-08	6.73E-08	7.42E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.74E-08	6.03E-09	9.50E-09	1.41E-10	1.57E-08	3.43E-09	5.24E-09	3.48E-11	8.70E-09
685	743759.34	4110810.54	3.91E-08	6.58E-08	7.25E-10	1.06E-07	6.06E-09	1.08E-08	1.09E-10	1.70E-08	5.89E-09	9.28E-09	1.38E-10	1.53E-08	3.35E-09	5.12E-09	3.41E-11	8.50E-09
686	743745.92	4110830.66	3.82E-08	6.43E-08	7.09E-10	1.03E-07	5.93E-09	1.05E-08	1.06E-10	1.66E-08	5.76E-09	9.07E-09	1.35E-10	1.50E-08	3.27E-09	5.00E-09	3.33E-11	8.31E-09
687	743732.5	4110850.78	3.74E-08	6.29E-08	6.93E-10	1.01E-07	5.79E-09	1.03E-08	1.04E-10	1.62E-08	5.63E-09	8.87E-09	1.32E-10	1.46E-08	3.20E-09	4.89E-09	3.25E-11	8.13E-09
688	743719.09	4110870.89	3.66E-08	6.15E-08	6.78E-10	9.88E-08	5.67E-09	1.01E-08	1.02E-10	1.59E-08	5.51E-09	8.68E-09	1.29E-10	1.43E-08	3.13E-09	4.79E-09	3.19E-11	7.95E-09
689	743705.67	4110891.01	3.59E-08	6.03E-08	6.65E-10	9.69E-08	5.56E-09	9.89E-09	9.98E-11	1.56E-08	5.41E-09	8.51E-09	1.27E-10	1.40E-08	3.07E-09	4.70E-09	3.12E-11	7.80E-09
690	743692.26	4110911.13	3.52E-08	5.93E-08	6.54E-10	9.52E-08	5.46E-09	9.72E-09	9.80E-11	1.53E-08	5.31E-09	8.37E-09	1.24E-10	1.38E-08	3.02E-09	4.61E-09	3.07E-11	7.66E-09
691	743678.84	4110931.25	3.47E-08	5.84E-08	6.44E-10	9.38E-08	5.38E-09	9.58E-09	9.66E-11	1.51E-08	5.23E-09	8.24E-09	1.23E-10	1.36E-08	2.97E-09	4.54E-09	3.02E-11	7.55E-09
692	743665.43	4110951.37	3.43E-08	5.77E-08	6.36E-10	9.26E-08	5.31E-09	9.45E-09	9.53E-11	1.49E-08	5.17E-09	8.14E-09	1.21E-10	1.34E-08	2.94E-09	4.49E-09	2.99E-11	7.45E-09
693	743652.01	4110971.49	3.39E-08	5.71E-08	6.29E-10	9.16E-08	5.26E-09	9.36E-09	9.44E-11	1.47E-08	5.11E-09	8.05E-09	1.20E-10	1.33E-08	2.91E-09	4.44E-09	2.95E-11	7.38E-09
694	743638.6	4110991.6	3.36E-08	5.66E-08	6.24E-10	9.09E-08	5.22E-09	9.28E-09	9.36E-11	1.46E-08	5.07E-09	7.99E-09	1.19E-10	1.32E-08	2.88E-09	4.41E-09	2.93E-11	7.32E-09
695	743625.18	4111011.72	3.35E-08	5.63E-08	6.20E-10	9.04E-08	5.19E-09	9.23E-09	9.31E-11	1.45E-08	5.04E-09	7.94E-09	1.18E-10	1.31E-08	2.87E-09	4.38E-09	2.91E-11	7.28E-09
696	743611.77	4111031.84	3.33E-08	5.61E-08	6.18E-10	9.00E-08	5.17E-09	9.20E-09	9.27E-11	1.45E-08	5.03E-09	7.91E-09	1.18E-10	1.31E-08	2.86E-09	4.36E-09	2.90E-11	7.25E-09
697	743598.35	4111051.96	3.33E-08	5.60E-08	6.17E-10	8.99E-08	5.16E-09	9.18E-09	9.26E-11	1.44E-08	5.02E-09	7.90E-09	1.18E-10	1.30E-08	2.85E-09	4.36E-09	2.90E-11	7.24E-09
698	743584.94	4111072.08	3.33E-08	5.61E-08	6.18E-10	9.00E-08	5.17E-09	9.19E-09	9.27E-11	1.44E-08	5.02E-09	7.91E-09	1.18E-10	1.30E-08	2.85E-09	4.36E-09	2.90E-11	7.24E-09
699	743571.52	4111092.2	3.34E-08	5.62E-08	6.19E-10	9.02E-08	5.18E-09	9.21E-09	9.29E-11	1.45E-08	5.03E-09	7.93E-09	1.18E-10	1.31E-08	2.86E-09	4.37E-09	2.91E-11	7.26E-09
700	743558.11	4111112.31	3.35E-08	5.64E-08	6.22E-10	9.06E-08	5.20E-09	9.25E-09	9.33E-11	1.45E-08	5.06E-09	7.96E-09	1.18E-10	1.31E-08	2.87E-09	4.39E-09	2.92E-11	7.29E-09

701	743544.69	4111132.43	3.37E-08	5.68E-08	6.26E-10	9.11E-08	5.23E-09	9.31E-09	9.38E-11	1.46E-08	5.09E-09	8.01E-09	1.19E-10	1.32E-08	2.89E-09	4.42E-09	2.94E-11	7.34E-09
702	743531.28	4111152.55	3.40E-08	5.72E-08	6.30E-10	9.18E-08	5.27E-09	9.38E-09	9.45E-11	1.47E-08	5.12E-09	8.07E-09	1.20E-10	1.33E-08	2.91E-09	4.45E-09	2.96E-11	7.39E-09
703	743517.86	4111172.67	3.43E-08	5.77E-08	6.35E-10	9.25E-08	5.31E-09	9.45E-09	9.53E-11	1.49E-08	5.17E-09	8.13E-09	1.21E-10	1.34E-08	2.94E-09	4.49E-09	2.98E-11	7.45E-09
704	743504.45	4111192.79	3.46E-08	5.82E-08	6.41E-10	9.34E-08	5.36E-09	9.54E-09	9.62E-11	1.50E-08	5.21E-09	8.21E-09	1.22E-10	1.35E-08	2.96E-09	4.53E-09	3.01E-11	7.52E-09
705	743491.03	4111212.91	3.49E-08	5.87E-08	6.47E-10	9.42E-08	5.41E-09	9.62E-09	9.70E-11	1.51E-08	5.26E-09	8.28E-09	1.23E-10	1.37E-08	2.99E-09	4.56E-09	3.04E-11	7.58E-09
706	743477.62	4111233.03	3.51E-08	5.91E-08	6.52E-10	9.49E-08	5.45E-09	9.69E-09	9.77E-11	1.52E-08	5.30E-09	8.34E-09	1.24E-10	1.38E-08	3.01E-09	4.60E-09	3.06E-11	7.64E-09
707	743464.2	4111253.14	3.53E-08	5.95E-08	6.56E-10	9.55E-08	5.48E-09	9.75E-09	9.83E-11	1.53E-08	5.33E-09	8.39E-09	1.25E-10	1.38E-08	3.03E-09	4.63E-09	3.08E-11	7.69E-09
708	743450.79	4111273.26	3.55E-08	5.97E-08	6.59E-10	9.59E-08	5.51E-09	9.80E-09	9.88E-11	1.54E-08	5.35E-09	8.43E-09	1.25E-10	1.39E-08	3.04E-09	4.65E-09	3.09E-11	7.72E-09
709	743437.37	4111293.38	3.56E-08	5.98E-08	6.60E-10	9.61E-08	5.52E-09	9.81E-09	9.89E-11	1.54E-08	5.36E-09	8.44E-09	1.26E-10	1.39E-08	3.05E-09	4.66E-09	3.10E-11	7.74E-09
710	743423.96	4111313.5	3.55E-08	5.98E-08	6.59E-10	9.60E-08	5.51E-09	9.80E-09	9.88E-11	1.54E-08	5.36E-09	8.43E-09	1.25E-10	1.39E-08	3.04E-09	4.65E-09	3.09E-11	7.73E-09
711	743410.54	4111333.62	3.53E-08	5.95E-08	6.56E-10	9.55E-08	5.48E-09	9.75E-09	9.83E-11	1.53E-08	5.33E-09	8.39E-09	1.25E-10	1.38E-08	3.03E-09	4.63E-09	3.08E-11	7.69E-09
712	743397.12	4111353.74	3.50E-08	5.89E-08	6.50E-10	9.46E-08	5.43E-09	9.66E-09	9.74E-11	1.52E-08	5.28E-09	8.32E-09	1.24E-10	1.37E-08	3.00E-09	4.59E-09	3.05E-11	7.62E-09
713	743383.71	4111373.85	3.46E-08	5.81E-08	6.41E-10	9.33E-08	5.36E-09	9.53E-09	9.61E-11	1.50E-08	5.21E-09	8.20E-09	1.22E-10	1.35E-08	2.96E-09	4.52E-09	3.01E-11	7.52E-09
714	743370.29	4111393.97	3.39E-08	5.71E-08	6.29E-10	9.17E-08	5.26E-09	9.36E-09	9.44E-11	1.47E-08	5.12E-09	8.06E-09	1.20E-10	1.33E-08	2.91E-09	4.44E-09	2.96E-11	7.38E-09
715	743356.88	4111414.09	3.31E-08	5.58E-08	6.15E-10	8.95E-08	5.14E-09	9.15E-09	9.22E-11	1.44E-08	5.00E-09	7.87E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.89E-11	7.21E-09
716	743343.46	4111434.21	3.22E-08	5.42E-08	5.97E-10	8.70E-08	4.99E-09	8.89E-09	8.96E-11	1.40E-08	4.86E-09	7.65E-09	1.14E-10	1.26E-08	2.76E-09	4.22E-09	2.81E-11	7.00E-09
717	743330.05	4111454.33	3.11E-08	5.24E-08	5.78E-10	8.41E-08	4.83E-09	8.59E-09	8.66E-11	1.35E-08	4.70E-09	7.39E-09	1.10E-10	1.22E-08	2.67E-09	4.08E-09	2.71E-11	6.77E-09
718	743316.63	4111474.45	3.00E-08	5.05E-08	5.56E-10	8.10E-08	4.65E-09	8.27E-09	8.34E-11	1.30E-08	4.52E-09	7.12E-09	1.06E-10	1.17E-08	2.57E-09	3.93E-09	2.61E-11	6.52E-09
719	743303.22	4111494.56	2.87E-08	4.84E-08	5.33E-10	7.77E-08	4.46E-09	7.93E-09	8.00E-11	1.25E-08	4.33E-09	6.82E-09	1.02E-10	1.13E-08	2.46E-09	3.76E-09	2.50E-11	6.25E-09
720	743289.8	4111514.68	2.75E-08	4.62E-08	5.10E-10	7.42E-08	4.26E-09	7.58E-09	7.65E-11	1.19E-08	4.14E-09	6.52E-09	9.71E-11	1.08E-08	2.35E-09	3.60E-09	2.39E-11	5.98E-09
721	743276.39	4111534.8	2.62E-08	4.41E-08	4.86E-10	7.08E-08	4.07E-09	7.23E-09	7.30E-11	1.14E-08	3.95E-09	6.22E-09	9.26E-11	1.03E-08	2.25E-09	3.43E-09	2.28E-11	5.70E-09
722	743262.97	4111554.92	2.50E-08	4.21E-08	4.64E-10	6.76E-08	3.88E-09	6.90E-09	6.96E-11	1.08E-08	3.77E-09	5.94E-09	8.83E-11	9.80E-09	2.14E-09	3.27E-09	2.18E-11	5.44E-09
723	743772.79	4108944.69	1.02E-07	1.71E-07	1.89E-09	2.75E-07	1.58E-08	2.80E-08	2.83E-10	4.41E-08	1.53E-08	2.41E-08	3.59E-10	3.98E-08	8.71E-09	1.33E-08	8.86E-11	2.21E-08
724	743759.24	4108924.33	1.02E-07	1.71E-07	1.89E-09	2.75E-07	1.58E-08	2.81E-08	2.83E-10	4.42E-08	1.54E-08	2.42E-08	3.60E-10	3.99E-08	8.73E-09	1.33E-08	8.87E-11	2.22E-08
725	743745.69	4108903.96	1.02E-07	1.71E-07	1.89E-09	2.75E-07	1.58E-08	2.81E-08	2.84E-10	4.42E-08	1.54E-08	2.42E-08	3.60E-10	3.99E-08	8.73E-09	1.33E-08	8.88E-11	2.22E-08
726	743732.14	4108883.6	1.02E-07	1.71E-07	1.89E-09	2.75E-07	1.58E-08	2.81E-08	2.83E-10	4.41E-08	1.53E-08	2.42E-08	3.60E-10	3.99E-08	8.72E-09	1.33E-08	8.87E-11	2.21E-08
727	743718.59	4108863.24	1.01E-07	1.71E-07	1.88E-09	2.74E-07	1.57E-08	2.80E-08	2.82E-10	4.40E-08	1.53E-08	2.41E-08	3.58E-10	3.97E-08	8.69E-09	1.33E-08	8.84E-11	2.21E-08
728	743705.04	4108842.88	1.01E-07	1.70E-07	1.87E-09	2.72E-07	1.56E-08	2.78E-08	2.81E-10	4.37E-08	1.52E-08	2.39E-08	3.56E-10	3.95E-08	8.64E-09	1.32E-08	8.79E-11	2.19E-08
729	743691.49	4108822.52	1.00E-07	1.68E-07	1.86E-09	2.70E-07	1.55E-08	2.76E-08	2.78E-10	4.34E-08	1.51E-08	2.37E-08	3.53E-10	3.92E-08	8.57E-09	1.31E-08	8.71E-11	2.18E-08
730	743677.95	4108802.16	9.90E-08	1.67E-07	1.84E-09	2.67E-07	1.54E-08	2.73E-08	2.75E-10	4.29E-08	1.49E-08	2.35E-08	3.50E-10	3.88E-08	8.48E-09	1.30E-08	8.62E-11	2.15E-08
731	743664.4	4108781.8	9.77E-08	1.64E-07	1.81E-09	2.64E-07	1.52E-08	2.70E-08	2.72E-10	4.24E-08	1.47E-08	2.32E-08	3.45E-10	3.83E-08	8.38E-09	1.28E-08	8.52E-11	2.13E-08
732	744110.53	4108747.02	7.67E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.12E-08	2.13E-10	3.33E-08	1.16E-08	1.82E-08	2.71E-10	3.00E-08	6.57E-09	1.00E-08	6.68E-11	1.67E-08
733	744115.27	4108770.95	7.70E-08	1.30E-07	1.43E-09	2.08E-07	1.19E-08	2.12E-08	2.14E-10	3.34E-08	1.16E-08	1.83E-08	2.72E-10	3.01E-08	6.59E-09	1.01E-08	6.70E-11	1.67E-08
734	744120.01	4108794.88	7.72E-08	1.30E-07	1.43E-09	2.08E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.16E-08	1.83E-08	2.73E-10	3.02E-08	6.61E-09	1.01E-08	6.72E-11	1.68E-08
735	744124.74	4108818.81	7.73E-08	1.30E-07	1.43E-09	2.09E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.17E-08	1.83E-08	2.73E-10	3.03E-08	6.62E-09	1.01E-08	6.73E-11	1.68E-08
736	744129.48	4108842.74	7.72E-08	1.30E-07	1.43E-09	2.09E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.16E-08	1.83E-08	2.73E-10	3.02E-08	6.62E-09	1.01E-08	6.73E-11	1.68E-08
737	744134.21	4108866.67	7.70E-08	1.30E-07	1.43E-09	2.08E-07	1.19E-08	2.12E-08	2.14E-10	3.34E-08	1.16E-08	1.83E-08	2.72E-10	3.01E-08	6.59E-09	1.01E-08	6.70E-11	1.67E-08
738	744138.95	4108890.6	7.65E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.11E-08	2.13E-10	3.32E-08	1.15E-08	1.82E-08	2.70E-10	3.00E-08	6.55E-09	1.00E-08	6.66E-11	1.66E-08
739	744143.69	4108914.53	7.58E-08	1.28E-07	1.41E-09	2.05E-07	1.17E-08	2.09E-08	2.11E-10	3.29E-08	1.14E-08	1.80E-08	2.68E-10	2.97E-08	6.49E-09	9.92E-09	6.60E-11	1.65E-08
740	744148.42	4108938.45	7.48E-08	1.26E-07	1.39E-09	2.02E-07	1.16E-08	2.06E-08	2.08E-10	3.24E-08	1.13E-08	1.78E-08	2.64E-10	2.93E-08	6.41E-09	9.79E-09	6.52E-11	1.63E-08
741	744153.16	4108962.38	7.36E-08	1.24E-07	1.36E-09	1.99E-07	1.14E-08	2.03E-08	2.05E-10	3.19E-08	1.11E-08	1.75E-08	2.60E-10	2.88E-08	6.31E-09	9.64E-09	6.41E-11	1.60E-08
742	744157.89	4108986.31	7.22E-08	1.21E-07	1.34E-09	1.95E-07	1.12E-08	1.99E-08	2.01E-10	3.13E-08	1.09E-08	1.71E-08	2.55E-10	2.83E-08	6.18E-09	9.45E-09	6.29E-11	1.57E-08
743	744162.63	4109010.24	7.05E-08	1.19E-07	1.31E-09	1.91E-07	1.09E-08	1.95E-08	1.96E-10	3.06E-08	1.06E-08	1.67E-08	2.49E-10	2.76E-08	6.04E-09	9.24E-09	6.14E-11	1.53E-08
744	744167.36	4109034.17	6.88E-08	1.16E-07	1.28E-09	1.86E-07	1.07E-08	1.90E-08	1.91E-10	2.98E-08	1.04E-08	1.63E-08	2.43E-10	2.69E-08	5.89E-09	9.00E-09	5.99E-11	1.50E-08
745	744172.1	4109058.1	6.69E-08	1.13E-07	1.24E-09	1.81E-07	1.04E-08	1.85E-08	1.86E-10	2.90E-08	1.01E-08	1.59E-08	2.36E-10	2.62E-08	5.73E-09	8.76E-09	5.83E-11	1.46E-08
746	744176.84	4109082.03	6.50E-08	1.09E-07	1.21E-09	1.76E-07	1.01E-08	1.79E-08	1.81E-10	2.82E-08	9.81E-09	1.54E-08	2.30E-10	2.55E-08	5.57E-09	8.52E-09	5.67E-11	1.41E-08
747	744181.57	4109105.96	6.31E-08	1.06E-07	1.17E-09	1.71E-07	9.79E-09	1.74E-08	1.76E-10	2.74E-08	9.52E-09	1.50E-08	2.23E-10	2.47E-08	5.41E-09	8.27E-09	5.50E-11	1.37E-08
748	744186.31	4109129.89	6.13E-08	1.03E-07	1.14E-09	1.65E-07	9.50E-09	1.69E-08	1.70E-10	2.66E-08	9.24E-09	1.45E-08	2.16E-10	2.40E-08	5.25E-09	8.02E-09	5.34E-11	1.33E-08
749	744191.04	4109153.81	5.94E-08	1.00E-07	1.10E-09	1.61E-07	9.21E-09	1.64E-08	1.65E-10	2.58E-08	8.96E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.78E-09	5.18E-11	1.29E-08
750	744195.78	4109177.74	5.77E-08	9.70E-08	1.07E-09	1.56E-07	8.94E-09	1.59E-08	1.60E-10	2.50E-08	8.69E-09	1.37E-08	2.04E-10	2.26E-08	4.94E-09	7.55E-09	5.02E-11	1.25E-08
751	744200.52	4109201.67	5.60E-08	9.42E-08	1.04E-09	1.51E-07	8.68E-09	1.54E-08	1.56E-10	2.43E-08	8.44E-09	1.33E-08	1.98E-10	2.19E-08	4.80E-09	7.33E-09	4.88E-11	1.22E-08
752	744205.25	4109225.6	5.45E-08	9.17E-08	1.01E-09	1.47E-07	8.45E-09	1.50E-08	1.52E-10	2.36E-08	8.21E-09	1.29E-08	1.92E-10	2.13E-08	4.67E-09	7.13E-09	4.75E-11	1.18E-08
753	744209.99	4109249.53	5.31E-08	8.94E-08	9.85E-10	1.43E-07	8.23E-09	1.46E-08	1.48E-10	2.30E-08	8.01E-09	1.26E-08	1.88E-10	2.08E-08	4.55E-09	6.95E-09	4.63E-11	1.15E-08
754	744214.72	4109273.46	5.19E-08	8.74E-08	9.63E-10	1.40E-07	8.05E-09	1.43E-08	1.44E-10	2.25E-08	7.83E-09	1.23E-08	1.83E-10	2.03E-08	4.45E-09	6.80E-09	4.52E-11	1.13E-08
755	744219.46	4109297.39	5.10E-08	8.58E-08	9.46E-10	1.38E-07	7.91E-09	1.41E-08	1.42E-10	2.21E-08	7.69E-09	1.21E-08	1.80E-10	2.00E-08	4.37E-09	6.68E-09	4.44E-11	1.11E-08
756	744224.2	4109321.32	5.03E-08	8.46E-08	9.33E-10	1.36E-07	7.80E-09	1.39E-08	1.40E-10	2.18E-08	7.58E-09	1.19E-08	1.78E-10	1.97E-08	4.31E-09	6.58E-09	4.38E-11	1.09E-08
757	744228.93	4109345.25	4.99E-08	8.39E-08	9.25E-10	1.35E-07	7.73E-09	1.38E-08	1.39E-10	2.16E-08	7.52E-09	1.18E-08	1.76E-10	1.95E-08	4.27E-09	6.53E-09	4.34E-11	1.08E-08
758	744233.67	4109369.17	4.97E-08	8.36E-08	9.21E-10	1.34E-07	7.70E-09	1.37E-08	1.38E-10	2.15E-08	7.49E-09	1.18E-08	1.75E-10	1.95E-08	4.26E-09	6.50E-09	4.33E-11	1.08E-08
759	744238.4	4109393.1	4.97E-08	8.37E-08	9.22E-10	1.34E-07	7.71E-09	1.37E-08	1.38E-10	2.16E-08	7.50E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.51E-09	4.33E-11	1.08E-08
760	744243.14	4109417.03	4.99E-08	8.41E-08	9.26E-10	1.35E-07	7.75E-09	1.38E-08	1.39E-10	2.17E-08	7.53E-09	1.19E-08	1.76E-10	1.96E-08	4.28E-09	6.54E-09	4.35E-11	1.09E-08
761	744247.88	4109440.96	5.03E-08	8.46E-08	9.33E-10	1.36E-07	7.80E-09	1.39E-08	1.40E-10	2.18E-08	7.58E-09	1.19E-08	1.78E-10	1.97E-08	4.31E-09	6.59E-09	4.38E-11	1.09E-08
762	744252.61	4109464.89	5.07E-08	8.53E-08	9.41E-10	1.37E-07	7.86E-09	1.40E-08	1.41E-10	2.20E-08	7.65E-09	1.20E-08	1.79E-10	1.99E-08	4.34E-09	6.64E-09	4.42E-11	1.10E-08
763	744257.35	4109488.82	5.11E-08	8.60E-08	9.48E-10	1.38E-07	7.93E-09	1.41E-08	1.42E-10	2.22E-08	7.71E-09	1.21E-08	1.81E-10	2.00E-08	4.38E-09	6.69E-09	4.45E-11	1.11E-08
764	744262.08	4109512.75	5.14E-08	8.66E-08	9.54E-10	1.39E-07	7.98E-09	1.42E-08	1.43E-10	2.23E-08	7.76E-09	1.22E-08	1.82E-10	2.02E-08	4.41E-09	6.74E-09	4.48E-11	1.12E-08
765	744266.82	4109536.68	5.16E-08	8.69E-08	9.58E-10	1.40E-07	8.01E-09	1.42E-08	1.44E-10	2.24E-08	7.79E-09	1.23E-08	1.82E-10	2.02E-08	4.43E-09	6.76E-09	4.50E-11	1.12E-08
766	744271.55	4109560.61	5.17E-08	8.69E-08	9.58E-10	1.40E-07	8.01E-09	1.43E-08	1.44E-10	2.24E-08	7.79E-09	1.23E-08	1.83E-10	2.02E-08	4.43E-09	6.77E-09	4.50E-11	1.12E-08
767	744276.29	4109584.53	5.15E-08	8.67E-08	9.56E-10	1.39E-07	7.99E-09	1.42E-08	1.43E-10	2.23E-08	7.77E-09	1.22E-08	1.82E-10	2.02E-08	4.41E-09	6.75E-09	4.49E-11	1.12E-08
768	744281.03	4109608.46	5.12E-08	8.61E-08	9.49E-10	1.38E-07	7.94E-09	1.41E-08	1.42E-10	2.22E-08	7.72E-09	1.22E-08	1.81E-10	2.00E-08	4.39E-09	6.70E-09	4.46E-11	1.11E-08
769	744285.76	4109632.39	5.06E-08	8.52E-08	9.39E-10	1.37E-07	7.85E-09	1.40E-08	1.41E-10	2.20E-08	7.63E-09	1.20E-08	1.79E-10	1.98E-08	4.34E-09	6.63E-09	4.41E-11	1.10E-08
770	744290.5	4109656.32	4.99E-08	8.39E-08	9.25E-10	1.35E-07	7.73E-09	1.38E-08	1.39E-10	2.16E-08	7.52E-09	1.18E-08	1.76E-10	1.95E-08	4.27E-09	6.53E-09	4.34E-11	1.08E-08
771	744295.23	4109680.25	4.89E-08	8.23E-08	9.07E-10	1.32E-07	7.58E-09	1.35E-08	1.36E-10	2.12E-08	7.37E-09	1.16E-08	1.73E-10	1.92E-08	4.19E-09	6.40E-09	4.26E-11	1.06E-08
772	744299.97	4109704.18	4.78E-08	8.05E-08	8.87E-10	1.29E-07	7.42E-09	1.32E-08	1.33E-10	2.07E-08	7.21E-09	1.14E-08	1.69E-10	1.87E-08	4.10E-09	6.26E-09	4.17E-11	1.04E-08
773	744304.71	4109728.11	4.67E-08	7.86E-08	8.66E-10	1.26E-07	7.24E-09	1.29E-08	1.30E-10	2.03E-08	7.04E-09	1.11E-08	1.65E-10	1.83E-08	4.00E-09	6.12E-09	4.07E-11	1.02E-08
774	744309.44	4109752.04	4.56E-08	7.67E-08	8.45E-10	1.23E-07	7.07E-09	1.26E-08	1.27E-10	1.98E-08	6.87E-09	1.08E-08	1.61E-10	1.78E-08	3.90E-09	5.97E-09	3.97E-11	9.91E-09
775	744314.18	4109775.97	4.44E-08	7.48E-08	8.24E-10	1.20E-07	6.89E-09	1.23E-08	1.24E-10	1.93E-08	6.70E-09	1.05E-08	1.57E-10	1.74E-08	3.81E-09	5.82E-09	3.87E-11	9.66E-09
776	744318.91	4109799.89	4.33E-08	7.29E-08	8.04E-10	1.17E-07	6.72E-09	1.20E-08	1.21E-10	1.88E-08	6.53E-09	1.03E-08	1.53E-10	1.70E-08	3.71E-09	5.67E-09	3.78E-11	9.43E-09
777	744323.65	4109823.82	4.23E-08	7.11E-08	7.84E-10	1.14E-07	6.55E-09	1.17E-08	1.18E-10	1.83E-08	6.37E-09	1.00E-08	1.49E-10	1.66E-08	3.62E-09	5.53E-09	3.68E-11	9.19E-09
778	744328.39	4109847.75	4.12E-08	6.94E-08	7.65E-10	1.11E-07	6.39E-09	1.14E-08	1.15E-10	1.79E-08	6.22E-09	9.79E-09	1.46E-10	1.61E-08	3.53E-09	5.40E-09	3.59E-11	8.97E-09
779	744333.12	4109871.68	4.02E-08	6.77E-08	7.46E-10	1.09E-07	6.24E-09	1.11E-08	1.12E-10	1.75E-08	6.07E-09	9.55E-09	1.42E-10	1.58E-08	3.45E-09	5.27E-09	3.51E-11	8.75E-09
780	744337.86	4109895.61	3.93E-08	6.62E-08	7.29E-10	1.06E-07	6.10E-09	1.08E-08	1.09E-10	1.71E-08	5.93E-09	9.33E-09	1.39E-10	1.54E-08	3.37E-09	5.15E-09	3.43E-11	8.55E-09
781	744342.59	4109919.54	3.85E-08	6.47E-08	7.14E-10	1.04E-07	5.97E-09	1.06E-08	1.07E-10	1.67E-08	5.80E-09	9.13E-09	1.36E-10	1.51E-08	3.30E-09	5.04E-09	3.35E-11	8.37E-09
782	744347.33	4109943.47	3.77E-08	6.34E-08	6.99E-10	1.02E-07	5.84E-09	1.04E-08	1.05E-10	1.63E-08	5.68E-09	8.94E-09	1.33E-10	1.48E-08	3.23E-09	4.93E-09	3.28E-11	8.19E-09
783	744352.06	4109967.4	3.69E-08	6.21E-08	6.85E-10	9.97E-08	5.73E-09	1.02E-08	1.03E-10	1.60E-08	5.57E-09	8.76E-09	1.30E-10	1.45E-08	3.16E-09	4.83E-09	3.22E-11	8.03E-09
784	744356.8	4109991.33	3.62E-08	6.10E-08	6.72E-10	9.79E-08	5.62E-09	1.00E-08	1.01E-10	1.57E-08	5.46E-09	8.60E-09	1.28E-10	1.42E-08	3.11E-09	4.75E-09	3.16E-11	7.88E-09
785	744361.54	4110015.25	3.56E-08	5.99E-08	6.60E-10	9.62E-08	5.52E-09	9.82E-09	9.90E-11	1.54E-08	5.37E-09	8.45E-09	1.26E-10	1.39E-08	3.05E-09	4.66E-09	3.10E-11	7.74E-09
786	744366.27	4110039.18	3.50E-08	5.89E-08	6.50E-10	9.46E-08	5.43E-09	9.66E-09	9.74E-11	1.52E-08	5.28E-09	8.31E-09	1.24E-10	1.37E-08	3.00E-09	4.59E-09	3.05E-11	7.62E-09
787	744371.01	4110063.11	3.45E-08	5.80E-08	6.40E-10	9.32E-08	5.35E-09	9.51E-09	9.60E-11	1.50E-08	5.20E-09	8.19E-09	1.22E-10	1.35E-08	2.96E-09	4.52E-09	3.00E-11	7.50E-09
788	744375.74	4110087.04	3.40E-08	5.72E-08	6.31E-10	9.18E-08	5.27E-09	9.38E-09	9.46E-11	1.47E-08	5.13E-09	8.07E-09	1.20E-10	1.33E-08	2.91E-09	4.45E-09	2.96E-11	7.39E-09

789	744380.48	4110110.97	3.36E-08	5.65E-08	6.23E-10	9.07E-08	5.21E-09	9.26E-09	9.34E-11	1.46E-08	5.06E-09	7.97E-09	1.19E-10	1.32E-08	2.88E-09	4.40E-09	2.92E-11	7.30E-09
790	744385.22	4110134.9	3.32E-08	5.58E-08	6.15E-10	8.96E-08	5.14E-09	9.15E-09	9.23E-11	1.44E-08	5.00E-09	7.88E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.89E-11	7.22E-09
791	744389.95	4110158.83	3.28E-08	5.52E-08	6.09E-10	8.87E-08	5.09E-09	9.06E-09	9.13E-11	1.42E-08	4.95E-09	7.79E-09	1.16E-10	1.29E-08	2.81E-09	4.30E-09	2.86E-11	7.14E-09
792	744394.69	4110182.76	3.25E-08	5.47E-08	6.03E-10	8.78E-08	5.04E-09	8.96E-09	9.04E-11	1.41E-08	4.90E-09	7.71E-09	1.15E-10	1.27E-08	2.78E-09	4.25E-09	2.83E-11	7.07E-09
793	744399.42	4110206.69	3.22E-08	5.42E-08	5.97E-10	8.70E-08	4.99E-09	8.88E-09	8.96E-11	1.40E-08	4.85E-09	7.64E-09	1.14E-10	1.26E-08	2.76E-09	4.21E-09	2.80E-11	7.00E-09
794	744404.16	4110230.61	3.19E-08	5.37E-08	5.92E-10	8.62E-08	4.95E-09	8.80E-09	8.88E-11	1.38E-08	4.81E-09	7.57E-09	1.13E-10	1.25E-08	2.73E-09	4.18E-09	2.78E-11	6.94E-09
795	744408.9	4110254.54	3.16E-08	5.32E-08	5.87E-10	8.54E-08	4.90E-09	8.73E-09	8.80E-11	1.37E-08	4.77E-09	7.51E-09	1.12E-10	1.24E-08	2.71E-09	4.14E-09	2.76E-11	6.88E-09
796	744413.63	4110278.47	3.14E-08	5.28E-08	5.82E-10	8.47E-08	4.86E-09	8.65E-09	8.72E-11	1.36E-08	4.73E-09	7.44E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.73E-11	6.82E-09
797	744418.37	4110302.4	3.11E-08	5.23E-08	5.77E-10	8.40E-08	4.82E-09	8.58E-09	8.65E-11	1.35E-08	4.69E-09	7.38E-09	1.10E-10	1.22E-08	2.66E-09	4.07E-09	2.71E-11	6.76E-09
798	744423.1	4110326.33	3.08E-08	5.19E-08	5.72E-10	8.33E-08	4.78E-09	8.50E-09	8.58E-11	1.34E-08	4.65E-09	7.32E-09	1.09E-10	1.21E-08	2.64E-09	4.04E-09	2.69E-11	6.70E-09
799	744427.84	4110350.26	3.06E-08	5.14E-08	5.67E-10	8.26E-08	4.74E-09	8.43E-09	8.50E-11	1.33E-08	4.61E-09	7.26E-09	1.08E-10	1.20E-08	2.62E-09	4.00E-09	2.66E-11	6.65E-09
800	744432.58	4110374.19	3.03E-08	5.10E-08	5.62E-10	8.19E-08	4.70E-09	8.36E-09	8.43E-11	1.31E-08	4.57E-09	7.20E-09	1.07E-10	1.19E-08	2.60E-09	3.97E-09	2.64E-11	6.59E-09
801	744437.31	4110398.12	3.01E-08	5.06E-08	5.58E-10	8.12E-08	4.66E-09	8.29E-09	8.36E-11	1.30E-08	4.53E-09	7.14E-09	1.06E-10	1.18E-08	2.58E-09	3.94E-09	2.62E-11	6.54E-09
802	744442.05	4110422.04	2.98E-08	5.02E-08	5.53E-10	8.05E-08	4.62E-09	8.23E-09	8.30E-11	1.29E-08	4.50E-09	7.08E-09	1.05E-10	1.17E-08	2.55E-09	3.90E-09	2.60E-11	6.48E-09
803	744433.25	4110466.27	2.97E-08	5.00E-08	5.51E-10	8.03E-08	4.61E-09	8.20E-09	8.27E-11	1.29E-08	4.48E-09	7.06E-09	1.05E-10	1.16E-08	2.55E-09	3.89E-09	2.59E-11	6.47E-09
804	744419.72	4110486.56	2.99E-08	5.03E-08	5.54E-10	8.07E-08	4.64E-09	8.25E-09	8.32E-11	1.30E-08	4.51E-09	7.10E-09	1.06E-10	1.17E-08	2.56E-09	3.91E-09	2.60E-11	6.50E-09
805	744406.18	4110506.86	3.01E-08	5.06E-08	5.58E-10	8.13E-08	4.67E-09	8.30E-09	8.37E-11	1.30E-08	4.54E-09	7.14E-09	1.06E-10	1.18E-08	2.58E-09	3.94E-09	2.62E-11	6.54E-09
806	744392.65	4110527.15	3.03E-08	5.10E-08	5.62E-10	8.19E-08	4.70E-09	8.36E-09	8.43E-11	1.31E-08	4.57E-09	7.20E-09	1.07E-10	1.19E-08	2.60E-09	3.97E-09	2.64E-11	6.59E-09
807	744379.12	4110547.45	3.06E-08	5.15E-08	5.67E-10	8.26E-08	4.74E-09	8.44E-09	8.51E-11	1.33E-08	4.61E-09	7.26E-09	1.08E-10	1.20E-08	2.62E-09	4.00E-09	2.66E-11	6.65E-09
808	744365.59	4110567.74	3.09E-08	5.20E-08	5.73E-10	8.34E-08	4.79E-09	8.52E-09	8.59E-11	1.34E-08	4.66E-09	7.33E-09	1.09E-10	1.21E-08	2.65E-09	4.04E-09	2.69E-11	6.72E-09
809	744352.05	4110588.04	3.12E-08	5.26E-08	5.79E-10	8.44E-08	4.84E-09	8.62E-09	8.69E-11	1.35E-08	4.71E-09	7.41E-09	1.10E-10	1.22E-08	2.68E-09	4.09E-09	2.72E-11	6.79E-09
810	744338.52	4110608.33	3.16E-08	5.32E-08	5.86E-10	8.54E-08	4.90E-09	8.72E-09	8.79E-11	1.37E-08	4.77E-09	7.50E-09	1.12E-10	1.24E-08	2.71E-09	4.14E-09	2.75E-11	6.87E-09
811	744324.99	4110628.63	3.20E-08	5.38E-08	5.93E-10	8.64E-08	4.96E-09	8.83E-09	8.90E-11	1.39E-08	4.82E-09	7.59E-09	1.13E-10	1.25E-08	2.74E-09	4.19E-09	2.79E-11	6.96E-09
812	744311.45	4110648.92	3.24E-08	5.45E-08	6.01E-10	8.75E-08	5.02E-09	8.93E-09	9.01E-11	1.40E-08	4.88E-09	7.69E-09	1.14E-10	1.27E-08	2.77E-09	4.24E-09	2.82E-11	7.04E-09
813	744297.92	4110669.22	3.28E-08	5.51E-08	6.08E-10	8.85E-08	5.08E-09	9.04E-09	9.12E-11	1.42E-08	4.94E-09	7.78E-09	1.16E-10	1.28E-08	2.81E-09	4.29E-09	2.85E-11	7.13E-09
814	744284.39	4110689.51	3.31E-08	5.57E-08	6.14E-10	8.95E-08	5.14E-09	9.14E-09	9.22E-11	1.44E-08	4.99E-09	7.86E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.89E-11	7.20E-09
815	744270.86	4110709.81	3.34E-08	5.63E-08	6.20E-10	9.03E-08	5.18E-09	9.22E-09	9.30E-11	1.45E-08	5.04E-09	7.94E-09	1.18E-10	1.31E-08	2.86E-09	4.38E-09	2.91E-11	7.27E-09
816	744257.32	4110730.1	3.37E-08	5.67E-08	6.25E-10	9.10E-08	5.22E-09	9.29E-09	9.37E-11	1.46E-08	5.08E-09	8.00E-09	1.19E-10	1.32E-08	2.89E-09	4.41E-09	2.93E-11	7.33E-09
817	744243.79	4110750.4	3.39E-08	5.70E-08	6.28E-10	9.15E-08	5.25E-09	9.34E-09	9.42E-11	1.47E-08	5.11E-09	8.04E-09	1.20E-10	1.33E-08	2.90E-09	4.43E-09	2.95E-11	7.36E-09
818	744230.26	4110770.69	3.39E-08	5.71E-08	6.30E-10	9.17E-08	5.26E-09	9.36E-09	9.44E-11	1.47E-08	5.12E-09	8.06E-09	1.20E-10	1.33E-08	2.91E-09	4.44E-09	2.96E-11	7.38E-09
819	744216.72	4110790.99	3.39E-08	5.71E-08	6.29E-10	9.16E-08	5.26E-09	9.35E-09	9.43E-11	1.47E-08	5.11E-09	8.05E-09	1.20E-10	1.33E-08	2.91E-09	4.44E-09	2.95E-11	7.37E-09
820	744203.19	4110811.28	3.38E-08	5.68E-08	6.26E-10	9.12E-08	5.24E-09	9.32E-09	9.39E-11	1.46E-08	5.09E-09	8.02E-09	1.19E-10	1.32E-08	2.89E-09	4.42E-09	2.94E-11	7.34E-09
821	744189.66	4110831.58	3.35E-08	5.64E-08	6.22E-10	9.05E-08	5.20E-09	9.25E-09	9.33E-11	1.45E-08	5.05E-09	7.96E-09	1.18E-10	1.31E-08	2.87E-09	4.39E-09	2.92E-11	7.29E-09
822	744176.13	4110851.87	3.32E-08	5.58E-08	6.15E-10	8.96E-08	5.14E-09	9.15E-09	9.23E-11	1.44E-08	5.00E-09	7.87E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.89E-11	7.21E-09
823	744162.59	4110872.17	3.27E-08	5.50E-08	6.07E-10	8.83E-08	5.07E-09	9.02E-09	9.10E-11	1.42E-08	4.93E-09	7.76E-09	1.16E-10	1.28E-08	2.80E-09	4.28E-09	2.85E-11	7.11E-09
824	744149.06	4110892.46	3.22E-08	5.41E-08	5.96E-10	8.69E-08	4.99E-09	8.87E-09	8.95E-11	1.39E-08	4.85E-09	7.63E-09	1.14E-10	1.26E-08	2.76E-09	4.21E-09	2.80E-11	6.99E-09
825	744135.53	4110912.76	3.15E-08	5.31E-08	5.85E-10	8.52E-08	4.89E-09	8.70E-09	8.78E-11	1.37E-08	4.76E-09	7.49E-09	1.11E-10	1.24E-08	2.70E-09	4.13E-09	2.75E-11	6.86E-09
826	744121.99	4110933.05	3.09E-08	5.20E-08	5.73E-10	8.35E-08	4.79E-09	8.53E-09	8.60E-11	1.34E-08	4.66E-09	7.34E-09	1.09E-10	1.21E-08	2.65E-09	4.05E-09	2.69E-11	6.72E-09
827	744108.46	4110953.35	3.02E-08	5.09E-08	5.61E-10	8.17E-08	4.69E-09	8.34E-09	8.41E-11	1.31E-08	4.56E-09	7.18E-09	1.07E-10	1.18E-08	2.59E-09	3.96E-09	2.63E-11	6.57E-09
828	744094.93	4110973.64	2.95E-08	4.97E-08	5.48E-10	7.98E-08	4.58E-09	8.15E-09	8.22E-11	1.28E-08	4.46E-09	7.01E-09	1.04E-10	1.16E-08	2.53E-09	3.87E-09	2.57E-11	6.43E-09
829	744081.4	4110993.93	2.89E-08	4.86E-08	5.36E-10	7.80E-08	4.48E-09	7.97E-09	8.04E-11	1.25E-08	4.36E-09	6.86E-09	1.02E-10	1.13E-08	2.48E-09	3.78E-09	2.52E-11	6.28E-09
830	744067.86	4111014.23	2.83E-08	4.76E-08	5.24E-10	7.64E-08	4.38E-09	7.80E-09	7.86E-11	1.23E-08	4.26E-09	6.71E-09	9.99E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.15E-09
831	744054.33	4111034.52	2.77E-08	4.66E-08	5.14E-10	7.48E-08	4.30E-09	7.64E-09	7.71E-11	1.20E-08	4.18E-09	6.58E-09	9.79E-11	1.09E-08	2.37E-09	3.63E-09	2.41E-11	6.03E-09
832	744040.8	4111054.82	2.72E-08	4.58E-08	5.04E-10	7.35E-08	4.22E-09	7.50E-09	7.57E-11	1.18E-08	4.10E-09	6.46E-09	9.61E-11	1.07E-08	2.33E-09	3.56E-09	2.37E-11	5.92E-09
833	744027.26	4111075.11	2.68E-08	4.50E-08	4.96E-10	7.23E-08	4.15E-09	7.38E-09	7.45E-11	1.16E-08	4.04E-09	6.35E-09	9.45E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.82E-09
834	744013.73	4111095.41	2.64E-08	4.44E-08	4.89E-10	7.13E-08	4.09E-09	7.28E-09	7.34E-11	1.14E-08	3.98E-09	6.26E-09	9.32E-11	1.03E-08	2.26E-09	3.46E-09	2.30E-11	5.74E-09
835	744000.2	4111115.7	2.61E-08	4.39E-08	4.84E-10	7.05E-08	4.05E-09	7.20E-09	7.26E-11	1.13E-08	3.93E-09	6.19E-09	9.21E-11	1.02E-08	2.24E-09	3.42E-09	2.27E-11	5.67E-09
836	743986.67	4111136	2.58E-08	4.35E-08	4.79E-10	6.98E-08	4.01E-09	7.13E-09	7.19E-11	1.12E-08	3.90E-09	6.13E-09	9.13E-11	1.01E-08	2.21E-09	3.38E-09	2.25E-11	5.62E-09
837	743973.13	4111156.29	2.56E-08	4.32E-08	4.76E-10	6.93E-08	3.98E-09	7.08E-09	7.14E-11	1.11E-08	3.87E-09	6.09E-09	9.06E-11	1.00E-08	2.20E-09	3.36E-09	2.23E-11	5.58E-09
838	743959.6	4111176.59	2.55E-08	4.29E-08	4.73E-10	6.89E-08	3.95E-09	7.03E-09	7.09E-11	1.11E-08	3.84E-09	6.05E-09	9.01E-11	9.99E-09	2.18E-09	3.34E-09	2.22E-11	5.55E-09
839	743946.07	4111196.88	2.54E-08	4.27E-08	4.71E-10	6.86E-08	3.94E-09	7.00E-09	7.06E-11	1.10E-08	3.83E-09	6.03E-09	8.97E-11	9.95E-09	2.18E-09	3.32E-09	2.21E-11	5.52E-09
840	743932.53	4111217.18	2.53E-08	4.26E-08	4.69E-10	6.84E-08	3.93E-09	6.98E-09	7.04E-11	1.10E-08	3.82E-09	6.01E-09	8.94E-11	9.92E-09	2.17E-09	3.31E-09	2.21E-11	5.51E-09
841	743919	4111237.47	2.53E-08	4.25E-08	4.69E-10	6.82E-08	3.92E-09	6.97E-09	7.03E-11	1.10E-08	3.81E-09	6.00E-09	8.92E-11	9.90E-09	2.16E-09	3.31E-09	2.20E-11	5.49E-09
842	743905.47	4111257.77	2.52E-08	4.25E-08	4.68E-10	6.82E-08	3.91E-09	6.96E-09	7.02E-11	1.09E-08	3.81E-09	5.99E-09	8.91E-11	9.89E-09	2.16E-09	3.30E-09	2.20E-11	5.49E-09
843	743891.94	4111278.06	2.52E-08	4.25E-08	4.68E-10	6.81E-08	3.91E-09	6.96E-09	7.02E-11	1.09E-08	3.80E-09	5.99E-09	8.91E-11	9.88E-09	2.16E-09	3.30E-09	2.20E-11	5.49E-09
844	743878.4	4111298.36	2.53E-08	4.25E-08	4.68E-10	6.82E-08	3.92E-09	6.97E-09	7.03E-11	1.10E-08	3.81E-09	6.00E-09	8.92E-11	9.89E-09	2.16E-09	3.31E-09	2.20E-11	5.49E-09
845	743864.87	4111318.65	2.53E-08	4.26E-08	4.69E-10	6.83E-08	3.92E-09	6.98E-09	7.04E-11	1.10E-08	3.81E-09	6.01E-09	8.94E-11	9.91E-09	2.17E-09	3.31E-09	2.20E-11	5.50E-09
846	743851.34	4111338.95	2.54E-08	4.27E-08	4.71E-10	6.86E-08	3.94E-09	7.00E-09	7.06E-11	1.10E-08	3.83E-09	6.03E-09	8.97E-11	9.94E-09	2.17E-09	3.32E-09	2.21E-11	5.52E-09
847	743837.8	4111359.24	2.55E-08	4.29E-08	4.73E-10	6.89E-08	3.96E-09	7.04E-09	7.10E-11	1.11E-08	3.85E-09	6.05E-09	9.01E-11	9.99E-09	2.19E-09	3.34E-09	2.22E-11	5.55E-09
848	743824.27	4111379.54	2.57E-08	4.32E-08	4.76E-10	6.94E-08	3.98E-09	7.09E-09	7.15E-11	1.11E-08	3.87E-09	6.10E-09	9.07E-11	1.01E-08	2.20E-09	3.36E-09	2.24E-11	5.59E-09
849	743810.74	4111399.83	2.59E-08	4.36E-08	4.80E-10	7.00E-08	4.02E-09	7.15E-09	7.21E-11	1.12E-08	3.91E-09	6.15E-09	9.15E-11	1.01E-08	2.22E-09	3.39E-09	2.26E-11	5.63E-09
850	743797.2	4111420.13	2.62E-08	4.40E-08	4.85E-10	7.07E-08	4.06E-09	7.22E-09	7.28E-11	1.14E-08	3.95E-09	6.21E-09	9.24E-11	1.03E-08	2.24E-09	3.43E-09	2.28E-11	5.69E-09
851	743783.67	4111440.42	2.65E-08	4.45E-08	4.91E-10	7.15E-08	4.11E-09	7.30E-09	7.37E-11	1.15E-08	3.99E-09	6.28E-09	9.35E-11	1.04E-08	2.27E-09	3.47E-09	2.31E-11	5.76E-09
852	743770.14	4111460.72	2.68E-08	4.51E-08	4.97E-10	7.24E-08	4.16E-09	7.39E-09	7.46E-11	1.16E-08	4.04E-09	6.36E-09	9.47E-11	1.05E-08	2.30E-09	3.51E-09	2.33E-11	5.83E-09
853	743756.61	4111481.01	2.72E-08	4.57E-08	5.04E-10	7.34E-08	4.21E-09	7.49E-09	7.56E-11	1.18E-08	4.09E-09	6.45E-09	9.59E-11	1.06E-08	2.33E-09	3.56E-09	2.37E-11	5.91E-09
854	743743.07	4111501.31	2.75E-08	4.63E-08	5.10E-10	7.43E-08	4.26E-09	7.59E-09	7.65E-11	1.19E-08	4.15E-09	6.53E-09	9.71E-11	1.08E-08	2.36E-09	3.60E-09	2.40E-11	5.98E-09
855	743729.54	4111521.6	2.78E-08	4.68E-08	5.16E-10	7.52E-08	4.31E-09	7.68E-09	7.74E-11	1.21E-08	4.20E-09	6.60E-09	9.83E-11	1.09E-08	2.38E-09	3.64E-09	2.42E-11	6.05E-09
856	743716.01	4111541.9	2.81E-08	4.73E-08	5.21E-10	7.59E-08	4.36E-09	7.75E-09	7.82E-11	1.22E-08	4.24E-09	6.67E-09	9.92E-11	1.10E-08	2.41E-09	3.68E-09	2.45E-11	6.11E-09
857	743702.47	4111562.19	2.83E-08	4.76E-08	5.25E-10	7.64E-08	4.39E-09	7.81E-09	7.87E-11	1.23E-08	4.27E-09	6.72E-09	9.99E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.15E-09
858	743688.94	4111582.49	2.84E-08	4.78E-08	5.27E-10	7.67E-08	4.40E-09	7.84E-09	7.90E-11	1.23E-08	4.28E-09	6.74E-09	1.00E-10	1.11E-08	2.43E-09	3.72E-09	2.47E-11	6.18E-09
859	743675.41	4111602.78	2.84E-08	4.78E-08	5.27E-10	7.67E-08	4.40E-09	7.84E-09	7.90E-11	1.23E-08	4.28E-09	6.74E-09	1.00E-10	1.11E-08	2.43E-09	3.72E-09	2.47E-11	6.18E-09
860	743661.88	4111623.08	2.83E-08	4.76E-08	5.24E-10	7.64E-08	4.38E-09	7.80E-09	7.87E-11	1.23E-08	4.26E-09	6.71E-09	9.99E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.15E-09
861	743648.34	4111643.37	2.80E-08	4.71E-08	5.19E-10	7.57E-08	4.34E-09	7.73E-09	7.79E-11	1.21E-08	4.22E-09	6.65E-09	9.89E-11	1.10E-08	2.40E-09	3.67E-09	2.44E-11	6.09E-09
862	743634.81	4111663.67	2.76E-08	4.64E-08	5.12E-10	7.45E-08	4.28E-09	7.61E-09	7.68E-11	1.20E-08	4.16E-09	6.55E-09	9.75E-11	1.08E-08	2.36E-09	3.61E-09	2.40E-11	6.00E-09
863	743621.28	4111683.96	2.70E-08	4.55E-08	5.01E-10	7.30E-08	4.19E-09	7.46E-09	7.52E-11	1.17E-08	4.08E-09	6.42E-09	9.55E-11	1.06E-08	2.32E-09	3.54E-09	2.36E-11	5.88E-09
864	743607.74	4111704.25	2.63E-08	4.43E-08	4.89E-10	7.12E-08	4.09E-09	7.27E-09	7.33E-11	1.14E-08	3.97E-09	6.25E-09	9.31E-11	1.03E-08	2.26E-09	3.45E-09	2.30E-11	5.73E-09
865	743594.21	4111724.55	2.55E-08	4.30E-08	4.74E-10	6.90E-08	3.96E-09	7.05E-09	7.11E-11	1.11E-08	3.85E-09	6.06E-09	9.02E-11	1.00E-08	2.19E-09	3.34E-09	2.22E-11	5.55E-09
866	743580.68	4111744.84	2.46E-08	4.14E-08	4.57E-10	6.65E-08	3.82E-09	6.79E-09	6.85E-11	1.07E-08	3.71E-09	5.84E-09	8.69E-11	9.64E-09	2.11E-09	3.22E-09	2.14E-11	5.35E-09
867	743567.15	4111765.14	2.36E-08	3.97E-08	4.38E-10	6.38E-08	3.66E-09	6.52E-09	6.57E-11	1.02E-08	3.56E-09	5.61E-09	8.34E-11	9.25E-09	2.02E-09	3.09E-09	2.06E-11	5.14E-09
868	743553.61	4111785.43	2.26E-08	3.80E-08	4.19E-10	6.10E-08	3.50E-09	6.23E-09	6.28E-11	9.79E-09	3.40E-09	5.36E-09	7.97E-11	8.84E-09	1.93E-09	2.96E-09	1.97E-11	4.91E-09
869	743540.08	4111805.73	2.15E-08	3.62E-08	3.99E-10	5.81E-08	3.34E-09	5.94E-09	5.99E-11	9.34E-09	3.25E-09	5.11E-09	7.60E-11	8.43E-09	1.84E-09	2.82E-09	1.88E-11	4.68E-09
870	743526.55	4111826.02	2.05E-08	3.45E-08	3.80E-10	5.53E-08	3.18E-09	5.65E-09	5.70E-11	8.88E-09	3.09E-09	4.86E-09	7.23E-11	8.02E-09	1.75E-09	2.68E-09	1.78E-11	4.45E-09
871	743513.01	4111846.32	1.95E-08	3.28E-08	3.62E-10	5.27E-08	3.02E-09	5.38E-09	5.42E-11	8.46E-09	2.94E-09	4.63E-09	6.89E-11	7.64E-09	1.67E-09	2.55E-09	1.70E-11	4.24E-09
872	743499.48	4111866.61	1.86E-08	3.12E-08	3.44E-10	5.02E-08	2.88E-09	5.12E-09	5.17E-11	8.05E-09	2.80E-09	4.41E-09	6.56E-11	7.27E-09	1.59E-09	2.43E-09	1.62E-11	4.04E-09
873	743485.95	4111886.91	1.77E-08	2.99E-08	3.29E-10	4.79E-08	2.75E-09	4.90E-09	4.94E-11	7.70E-09	2.68E-09	4.21E-09	6.27E-11	6.95E-09	1.52E-09	2.32E-09	1.55E-11	3.86E-09
874	744105.8	4108723.09	7.63E-08	1.28E-07	1.42E-09	2.06E-07	1.18E-08	2.11E-08	2.12E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.54E-09	9.99E-09	6.65E-11	1.66E-08
875	744092.25	4108702.73	7.63E-08	1.28E-07	1.42E-09	2.06E-07	1.18E-08	2.11E-08	2.12E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.54E-09	1.00E-08	6.65E-11	1.66E-08
876	744078.7	4108682.37	7.63E-08	1.28E-07	1.42E-09	2.06E-07	1.18E-08	2.11E-08	2.12E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.54E-09	9.99E-09	6.65E-11	1.66E-08

877	744065.15	4108662.01	7.62E-08	1.28E-07	1.41E-09	2.06E-07	1.18E-08	2.10E-08	2.12E-10	3.31E-08	1.15E-08	1.81E-08	2.69E-10	2.99E-08	6.53E-09	9.98E-09	6.64E-11	1.66E-08
878	744051.6	4108641.65	7.60E-08	1.28E-07	1.41E-09	2.05E-07	1.18E-08	2.10E-08	2.11E-10	3.30E-08	1.15E-08	1.80E-08	2.69E-10	2.98E-08	6.51E-09	9.95E-09	6.62E-11	1.65E-08
879	744038.05	4108621.29	7.57E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.09E-08	2.11E-10	3.28E-08	1.14E-08	1.80E-08	2.67E-10	2.96E-08	6.48E-09	9.91E-09	6.59E-11	1.65E-08
880	744024.51	4108600.93	7.52E-08	1.27E-07	1.40E-09	2.03E-07	1.17E-08	2.08E-08	2.09E-10	3.26E-08	1.13E-08	1.79E-08	2.66E-10	2.95E-08	6.45E-09	9.85E-09	6.55E-11	1.64E-08
881	744010.96	4108580.57	7.46E-08	1.26E-07	1.38E-09	2.02E-07	1.16E-08	2.06E-08	2.08E-10	3.24E-08	1.13E-08	1.77E-08	2.64E-10	2.92E-08	6.39E-09	9.77E-09	6.50E-11	1.62E-08
882	743997.41	4108560.2	7.39E-08	1.24E-07	1.37E-09	2.00E-07	1.15E-08	2.04E-08	2.06E-10	3.20E-08	1.11E-08	1.75E-08	2.61E-10	2.89E-08	6.33E-09	9.67E-09	6.44E-11	1.61E-08
883	744443.52	4108525.3	6.07E-08	1.02E-07	1.13E-09	1.64E-07	9.42E-09	1.68E-08	1.69E-10	2.63E-08	9.16E-09	1.44E-08	2.15E-10	2.38E-08	5.20E-09	7.95E-09	5.29E-11	1.32E-08
884	744448.23	4108549.09	6.10E-08	1.03E-07	1.13E-09	1.65E-07	9.46E-09	1.68E-08	1.70E-10	2.65E-08	9.20E-09	1.45E-08	2.15E-10	2.39E-08	5.23E-09	7.99E-09	5.31E-11	1.33E-08
885	744452.94	4108572.89	6.12E-08	1.03E-07	1.14E-09	1.65E-07	9.49E-09	1.69E-08	1.70E-10	2.66E-08	9.23E-09	1.45E-08	2.16E-10	2.40E-08	5.25E-09	8.02E-09	5.33E-11	1.33E-08
886	744457.65	4108596.68	6.14E-08	1.03E-07	1.14E-09	1.66E-07	9.52E-09	1.69E-08	1.71E-10	2.66E-08	9.26E-09	1.46E-08	2.17E-10	2.41E-08	5.26E-09	8.04E-09	5.35E-11	1.34E-08
887	744462.36	4108620.47	6.15E-08	1.04E-07	1.14E-09	1.66E-07	9.54E-09	1.70E-08	1.71E-10	2.67E-08	9.28E-09	1.46E-08	2.17E-10	2.41E-08	5.27E-09	8.06E-09	5.36E-11	1.34E-08
888	744467.07	4108644.27	6.16E-08	1.04E-07	1.14E-09	1.66E-07	9.55E-09	1.70E-08	1.71E-10	2.67E-08	9.29E-09	1.46E-08	2.18E-10	2.41E-08	5.28E-09	8.07E-09	5.37E-11	1.34E-08
889	744471.77	4108668.06	6.15E-08	1.04E-07	1.14E-09	1.66E-07	9.54E-09	1.70E-08	1.71E-10	2.67E-08	9.28E-09	1.46E-08	2.17E-10	2.41E-08	5.27E-09	8.06E-09	5.36E-11	1.34E-08
890	744476.48	4108691.86	6.14E-08	1.03E-07	1.14E-09	1.66E-07	9.51E-09	1.69E-08	1.71E-10	2.66E-08	9.25E-09	1.46E-08	2.17E-10	2.40E-08	5.26E-09	8.03E-09	5.35E-11	1.33E-08
891	744481.19	4108715.65	6.10E-08	1.03E-07	1.13E-09	1.65E-07	9.46E-09	1.68E-08	1.70E-10	2.65E-08	9.20E-09	1.45E-08	2.16E-10	2.39E-08	5.23E-09	7.99E-09	5.32E-11	1.33E-08
892	744485.9	4108739.44	6.05E-08	1.02E-07	1.12E-09	1.63E-07	9.38E-09	1.67E-08	1.68E-10	2.62E-08	9.12E-09	1.44E-08	2.14E-10	2.37E-08	5.18E-09	7.92E-09	5.27E-11	1.32E-08
893	744490.61	4108763.24	5.98E-08	1.01E-07	1.11E-09	1.62E-07	9.28E-09	1.65E-08	1.66E-10	2.60E-08	9.02E-09	1.42E-08	2.11E-10	2.34E-08	5.13E-09	7.84E-09	5.21E-11	1.30E-08
894	744495.32	4108787.03	5.90E-08	9.93E-08	1.09E-09	1.59E-07	9.15E-09	1.63E-08	1.64E-10	2.56E-08	8.90E-09	1.40E-08	2.08E-10	2.31E-08	5.06E-09	7.73E-09	5.14E-11	1.28E-08
895	744500.03	4108810.83	5.80E-08	9.77E-08	1.08E-09	1.57E-07	9.00E-09	1.60E-08	1.62E-10	2.52E-08	8.75E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.60E-09	5.06E-11	1.26E-08
896	744504.74	4108834.62	5.69E-08	9.58E-08	1.06E-09	1.54E-07	8.83E-09	1.57E-08	1.58E-10	2.47E-08	8.59E-09	1.35E-08	2.01E-10	2.23E-08	4.88E-09	7.46E-09	4.96E-11	1.24E-08
897	744509.45	4108858.42	5.57E-08	9.38E-08	1.03E-09	1.51E-07	8.65E-09	1.54E-08	1.55E-10	2.42E-08	8.41E-09	1.32E-08	1.97E-10	2.18E-08	4.78E-09	7.30E-09	4.86E-11	1.21E-08
898	744514.16	4108882.21	5.45E-08	9.17E-08	1.01E-09	1.47E-07	8.45E-09	1.50E-08	1.52E-10	2.36E-08	8.22E-09	1.29E-08	1.93E-10	2.14E-08	4.67E-09	7.14E-09	4.75E-11	1.19E-08
899	744518.87	4108906	5.32E-08	8.96E-08	9.87E-10	1.44E-07	8.25E-09	1.47E-08	1.48E-10	2.31E-08	8.03E-09	1.26E-08	1.88E-10	2.08E-08	4.56E-09	6.97E-09	4.64E-11	1.16E-08
900	744523.58	4108929.8	5.19E-08	8.74E-08	9.63E-10	1.40E-07	8.05E-09	1.43E-08	1.44E-10	2.25E-08	7.83E-09	1.23E-08	1.83E-10	2.03E-08	4.45E-09	6.80E-09	4.52E-11	1.13E-08
901	744528.29	4108953.59	5.06E-08	8.52E-08	9.39E-10	1.37E-07	7.85E-09	1.40E-08	1.41E-10	2.20E-08	7.63E-09	1.20E-08	1.79E-10	1.98E-08	4.34E-09	6.63E-09	4.41E-11	1.10E-08
902	744533	4108977.39	4.93E-08	8.30E-08	9.15E-10	1.33E-07	7.65E-09	1.36E-08	1.37E-10	2.14E-08	7.44E-09	1.17E-08	1.74E-10	1.93E-08	4.23E-09	6.46E-09	4.30E-11	1.07E-08
903	744537.7	4109001.18	4.81E-08	8.09E-08	8.91E-10	1.30E-07	7.45E-09	1.33E-08	1.34E-10	2.08E-08	7.25E-09	1.14E-08	1.70E-10	1.88E-08	4.12E-09	6.29E-09	4.19E-11	1.05E-08
904	744542.41	4109024.98	4.68E-08	7.87E-08	8.68E-10	1.26E-07	7.26E-09	1.29E-08	1.30E-10	2.03E-08	7.06E-09	1.11E-08	1.65E-10	1.83E-08	4.01E-09	6.13E-09	4.08E-11	1.02E-08
905	744547.12	4109048.77	4.56E-08	7.67E-08	8.46E-10	1.23E-07	7.07E-09	1.26E-08	1.27E-10	1.98E-08	6.87E-09	1.08E-08	1.61E-10	1.79E-08	3.91E-09	5.97E-09	3.97E-11	9.92E-09
906	744551.83	4109072.56	4.44E-08	7.48E-08	8.24E-10	1.20E-07	6.89E-09	1.23E-08	1.24E-10	1.93E-08	6.70E-09	1.05E-08	1.57E-10	1.74E-08	3.81E-09	5.82E-09	3.87E-11	9.66E-09
907	744556.54	4109096.36	4.34E-08	7.30E-08	8.04E-10	1.17E-07	6.72E-09	1.20E-08	1.21E-10	1.88E-08	6.54E-09	1.03E-08	1.53E-10	1.70E-08	3.71E-09	5.68E-09	3.78E-11	9.43E-09
908	744561.25	4109120.15	4.23E-08	7.12E-08	7.85E-10	1.14E-07	6.56E-09	1.17E-08	1.18E-10	1.84E-08	6.38E-09	1.00E-08	1.50E-10	1.66E-08	3.63E-09	5.54E-09	3.69E-11	9.21E-09
909	744565.96	4109143.95	4.14E-08	6.97E-08	7.69E-10	1.12E-07	6.43E-09	1.14E-08	1.15E-10	1.80E-08	6.25E-09	9.84E-09	1.46E-10	1.62E-08	3.55E-09	5.43E-09	3.61E-11	9.01E-09
910	744570.67	4109167.74	4.07E-08	6.84E-08	7.54E-10	1.10E-07	6.31E-09	1.12E-08	1.13E-10	1.76E-08	6.13E-09	9.66E-09	1.44E-10	1.59E-08	3.49E-09	5.33E-09	3.54E-11	8.85E-09
911	744575.38	4109191.54	4.01E-08	6.74E-08	7.43E-10	1.08E-07	6.21E-09	1.11E-08	1.11E-10	1.74E-08	6.04E-09	9.51E-09	1.42E-10	1.57E-08	3.43E-09	5.25E-09	3.49E-11	8.71E-09
912	744580.09	4109215.33	3.96E-08	6.66E-08	7.35E-10	1.07E-07	6.14E-09	1.09E-08	1.10E-10	1.72E-08	5.97E-09	9.40E-09	1.40E-10	1.55E-08	3.39E-09	5.19E-09	3.45E-11	8.61E-09
913	744584.8	4109239.12	3.93E-08	6.62E-08	7.29E-10	1.06E-07	6.10E-09	1.08E-08	1.09E-10	1.71E-08	5.93E-09	9.33E-09	1.39E-10	1.54E-08	3.37E-09	5.15E-09	3.42E-11	8.55E-09
914	744589.51	4109262.92	3.92E-08	6.59E-08	7.27E-10	1.06E-07	6.08E-09	1.08E-08	1.09E-10	1.70E-08	5.91E-09	9.30E-09	1.38E-10	1.53E-08	3.36E-09	5.13E-09	3.41E-11	8.52E-09
915	744594.22	4109286.71	3.92E-08	6.60E-08	7.27E-10	1.06E-07	6.08E-09	1.08E-08	1.09E-10	1.70E-08	5.91E-09	9.31E-09	1.39E-10	1.54E-08	3.36E-09	5.13E-09	3.42E-11	8.53E-09
916	744598.92	4109310.51	3.94E-08	6.63E-08	7.30E-10	1.06E-07	6.11E-09	1.09E-08	1.10E-10	1.71E-08	5.94E-09	9.35E-09	1.39E-10	1.54E-08	3.37E-09	5.16E-09	3.43E-11	8.56E-09
917	744603.63	4109334.3	3.96E-08	6.67E-08	7.35E-10	1.07E-07	6.15E-09	1.09E-08	1.10E-10	1.72E-08	5.98E-09	9.41E-09	1.40E-10	1.55E-08	3.40E-09	5.19E-09	3.45E-11	8.62E-09
918	744608.34	4109358.1	4.00E-08	6.73E-08	7.41E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.73E-08	6.03E-09	9.49E-09	1.41E-10	1.57E-08	3.43E-09	5.23E-09	3.48E-11	8.69E-09
919	744613.05	4109381.89	4.03E-08	6.79E-08	7.48E-10	1.09E-07	6.26E-09	1.11E-08	1.12E-10	1.75E-08	6.08E-09	9.58E-09	1.43E-10	1.58E-08	3.46E-09	5.28E-09	3.51E-11	8.78E-09
920	744617.76	4109405.68	4.07E-08	6.85E-08	7.55E-10	1.10E-07	6.31E-09	1.12E-08	1.13E-10	1.77E-08	6.14E-09	9.67E-09	1.44E-10	1.59E-08	3.49E-09	5.33E-09	3.55E-11	8.86E-09
921	744622.47	4109429.48	4.10E-08	6.90E-08	7.61E-10	1.11E-07	6.36E-09	1.13E-08	1.14E-10	1.78E-08	6.19E-09	9.74E-09	1.45E-10	1.61E-08	3.51E-09	5.37E-09	3.57E-11	8.92E-09
922	744627.18	4109453.27	4.12E-08	6.94E-08	7.65E-10	1.11E-07	6.39E-09	1.14E-08	1.15E-10	1.79E-08	6.22E-09	9.79E-09	1.46E-10	1.62E-08	3.53E-09	5.40E-09	3.59E-11	8.97E-09
923	744631.89	4109477.07	4.14E-08	6.96E-08	7.67E-10	1.12E-07	6.41E-09	1.14E-08	1.15E-10	1.79E-08	6.24E-09	9.82E-09	1.46E-10	1.62E-08	3.54E-09	5.42E-09	3.60E-11	9.00E-09
924	744636.6	4109500.86	4.13E-08	6.96E-08	7.67E-10	1.12E-07	6.41E-09	1.14E-08	1.15E-10	1.79E-08	6.23E-09	9.82E-09	1.46E-10	1.62E-08	3.54E-09	5.41E-09	3.60E-11	8.99E-09
925	744641.31	4109524.65	4.12E-08	6.93E-08	7.64E-10	1.11E-07	6.39E-09	1.14E-08	1.15E-10	1.79E-08	6.21E-09	9.78E-09	1.46E-10	1.61E-08	3.53E-09	5.39E-09	3.59E-11	8.96E-09
926	744646.02	4109548.45	4.09E-08	6.88E-08	7.59E-10	1.11E-07	6.34E-09	1.13E-08	1.14E-10	1.77E-08	6.17E-09	9.71E-09	1.45E-10	1.60E-08	3.51E-09	5.36E-09	3.56E-11	8.90E-09
927	744650.73	4109572.24	4.05E-08	6.81E-08	7.51E-10	1.09E-07	6.28E-09	1.12E-08	1.13E-10	1.76E-08	6.11E-09	9.61E-09	1.43E-10	1.59E-08	3.47E-09	5.30E-09	3.53E-11	8.81E-09
928	744655.44	4109596.04	4.00E-08	6.72E-08	7.41E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.73E-08	6.03E-09	9.49E-09	1.41E-10	1.57E-08	3.42E-09	5.23E-09	3.48E-11	8.69E-09
929	744660.14	4109619.83	3.94E-08	6.62E-08	7.30E-10	1.06E-07	6.10E-09	1.09E-08	1.09E-10	1.71E-08	5.93E-09	9.34E-09	1.39E-10	1.54E-08	3.37E-09	5.15E-09	3.43E-11	8.56E-09
930	744664.85	4109643.63	3.87E-08	6.51E-08	7.17E-10	1.04E-07	6.00E-09	1.07E-08	1.08E-10	1.68E-08	5.83E-09	9.18E-09	1.37E-10	1.51E-08	3.31E-09	5.06E-09	3.37E-11	8.41E-09
931	744669.56	4109667.42	3.79E-08	6.38E-08	7.03E-10	1.02E-07	5.88E-09	1.05E-08	1.06E-10	1.64E-08	5.72E-09	9.00E-09	1.34E-10	1.49E-08	3.25E-09	4.97E-09	3.30E-11	8.25E-09
932	744674.27	4109691.21	3.71E-08	6.25E-08	6.89E-10	1.00E-07	5.76E-09	1.02E-08	1.03E-10	1.61E-08	5.60E-09	8.81E-09	1.31E-10	1.45E-08	3.18E-09	4.86E-09	3.23E-11	8.08E-09
933	744678.98	4109715.01	3.63E-08	6.11E-08	6.74E-10	9.81E-08	5.63E-09	1.00E-08	1.01E-10	1.58E-08	5.48E-09	8.62E-09	1.28E-10	1.42E-08	3.11E-09	4.76E-09	3.16E-11	7.90E-09
934	744683.69	4109738.8	3.55E-08	5.97E-08	6.58E-10	9.59E-08	5.50E-09	9.79E-09	9.88E-11	1.54E-08	5.35E-09	8.43E-09	1.25E-10	1.39E-08	3.04E-09	4.65E-09	3.09E-11	7.72E-09
935	744688.4	4109762.6	3.47E-08	5.84E-08	6.43E-10	9.37E-08	5.38E-09	9.57E-09	9.65E-11	1.50E-08	5.23E-09	8.24E-09	1.23E-10	1.36E-08	2.97E-09	4.54E-09	3.02E-11	7.54E-09
936	744693.11	4109786.39	3.39E-08	5.71E-08	6.29E-10	9.16E-08	5.26E-09	9.35E-09	9.43E-11	1.47E-08	5.11E-09	8.05E-09	1.20E-10	1.33E-08	2.91E-09	4.44E-09	2.95E-11	7.37E-09
937	744697.82	4109810.19	3.32E-08	5.58E-08	6.15E-10	8.96E-08	5.14E-09	9.15E-09	9.23E-11	1.44E-08	5.00E-09	7.88E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.89E-11	7.22E-09
938	744702.53	4109833.98	3.23E-08	5.44E-08	5.99E-10	8.73E-08	5.01E-09	8.92E-09	8.99E-11	1.40E-08	4.87E-09	7.67E-09	1.14E-10	1.27E-08	2.77E-09	4.23E-09	2.82E-11	7.03E-09
939	744707.24	4109857.77	3.18E-08	5.36E-08	5.90E-10	8.60E-08	4.94E-09	8.78E-09	8.85E-11	1.38E-08	4.80E-09	7.56E-09	1.12E-10	1.25E-08	2.73E-09	4.17E-09	2.77E-11	6.92E-09
940	744711.95	4109881.57	3.12E-08	5.25E-08	5.79E-10	8.43E-08	4.84E-09	8.61E-09	8.68E-11	1.35E-08	4.71E-09	7.41E-09	1.10E-10	1.22E-08	2.67E-09	4.09E-09	2.72E-11	6.79E-09
941	744716.66	4109905.36	3.06E-08	5.15E-08	5.68E-10	8.27E-08	4.75E-09	8.45E-09	8.52E-11	1.33E-08	4.62E-09	7.27E-09	1.08E-10	1.20E-08	2.62E-09	4.01E-09	2.67E-11	6.66E-09
942	744721.37	4109929.16	3.01E-08	5.06E-08	5.58E-10	8.13E-08	4.67E-09	8.30E-09	8.37E-11	1.30E-08	4.54E-09	7.14E-09	1.06E-10	1.18E-08	2.58E-09	3.94E-09	2.62E-11	6.54E-09
943	744726.07	4109952.95	2.96E-08	4.98E-08	5.49E-10	7.99E-08	4.59E-09	8.16E-09	8.23E-11	1.28E-08	4.46E-09	7.02E-09	1.04E-10	1.16E-08	2.53E-09	3.87E-09	2.58E-11	6.43E-09
944	744730.78	4109976.75	2.91E-08	4.90E-08	5.40E-10	7.86E-08	4.51E-09	8.03E-09	8.09E-11	1.26E-08	4.39E-09	6.91E-09	1.03E-10	1.14E-08	2.49E-09	3.81E-09	2.53E-11	6.33E-09
945	744735.49	4110000.54	2.86E-08	4.82E-08	5.31E-10	7.73E-08	4.44E-09	7.90E-09	7.97E-11	1.24E-08	4.32E-09	6.80E-09	1.01E-10	1.12E-08	2.45E-09	3.75E-09	2.49E-11	6.23E-09
946	744740.2	4110024.33	2.82E-08	4.75E-08	5.23E-10	7.62E-08	4.37E-09	7.78E-09	7.85E-11	1.22E-08	4.25E-09	6.69E-09	9.96E-11	1.10E-08	2.42E-09	3.69E-09	2.46E-11	6.13E-09
947	744744.91	4110048.13	2.78E-08	4.68E-08	5.16E-10	7.51E-08	4.31E-09	7.67E-09	7.73E-11	1.21E-08	4.19E-09	6.60E-09	9.82E-11	1.09E-08	2.38E-09	3.64E-09	2.42E-11	6.05E-09
948	744749.62	4110071.92	2.74E-08	4.61E-08	5.09E-10	7.41E-08	4.25E-09	7.56E-09	7.63E-11	1.19E-08	4.13E-09	6.51E-09	9.68E-11	1.07E-08	2.35E-09	3.59E-09	2.39E-11	5.96E-09
949	744754.33	4110095.72	2.71E-08	4.56E-08	5.02E-10	7.31E-08	4.20E-09	7.47E-09	7.53E-11	1.17E-08	4.08E-09	6.43E-09	9.56E-11	1.06E-08	2.32E-09	3.54E-09	2.36E-11	5.89E-09
950	744759.04	4110119.51	2.68E-08	4.50E-08	4.96E-10	7.23E-08	4.15E-09	7.38E-09	7.45E-11	1.16E-08	4.04E-09	6.35E-09	9.45E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.82E-09
951	744763.75	4110143.3	2.65E-08	4.45E-08	4.91E-10	7.15E-08	4.11E-09	7.30E-09	7.37E-11	1.15E-08	3.99E-09	6.28E-09	9.35E-11	1.04E-08	2.27E-09	3.47E-09	2.31E-11	5.76E-09
952	744768.46	4110167.1	2.62E-08	4.41E-08	4.86E-10	7.08E-08	4.06E-09	7.23E-09	7.29E-11	1.14E-08	3.95E-09	6.22E-09	9.26E-11	1.03E-08	2.25E-09	3.43E-09	2.28E-11	5.70E-09
953	744773.17	4110190.89	2.60E-08	4.37E-08	4.82E-10	7.02E-08	4.03E-09	7.17E-09	7.23E-11	1.13E-08	3.92E-09	6.17E-09	9.18E-11	1.02E-08	2.23E-09	3.40E-09	2.26E-11	5.65E-09
954	744777.88	4110214.69	2.58E-08	4.34E-08	4.78E-10	6.96E-08	4.00E-09	7.11E-09	7.17E-11	1.12E-08	3.89E-09	6.12E-09	9.10E-11	1.01E-08	2.21E-09	3.37E-09	2.24E-11	5.60E-09
955	744782.59	4110238.48	2.56E-08	4.30E-08	4.74E-10	6.91E-08	3.96E-09	7.05E-09	7.11E-11	1.11E-08	3.85E-09	6.07E-09	9.03E-11	1.00E-08	2.19E-09	3.35E-09	2.23E-11	5.56E-09
956	744787.29	4110262.28	2.54E-08	4.27E-08	4.71E-10	6.86E-08	3.94E-09	7.00E-09	7.06E-11	1.10E-08	3.83E-09	6.03E-09	8.97E-11	9.95E-09	2.18E-09	3.32E-09	2.21E-11	5.52E-09
957	744792	4110286.07	2.52E-08	4.24E-08	4.67E-10	6.81E-08	3.91E-09	6.95E-09	7.01E-11	1.09E-08	3.80E-09	5.98E-09	8.90E-11	9.87E-09	2.16E-09	3.30E-09	2.20E-11	5.48E-09
958	744796.71	4110309.86	2.50E-08	4.21E-08	4.64E-10	6.76E-08	3.88E-09	6.90E-09	6.96E-11	1.09E-08	3.77E-09	5.94E-09	8.84E-11	9.80E-09	2.14E-09	3.28E-09	2.18E-11	5.44E-09
959	744801.42	4110333.66	2.49E-08	4.18E-08	4.61E-10	6.71E-08	3.85E-09	6.86E-09	6.92E-11	1.08E-08	3.75E-09	5.90E-09	8.78E-11	9.74E-09	2.13E-09	3.25E-09	2.17E-11	5.41E-09
960	744806.13	4110357.45	2.47E-08	4.15E-08	4.58E-10	6.67E-08	3.83E-09	6.81E-09	6.87E-11	1.07E-08	3.72E-09	5.86E-09	8.72E-11	9.67E-09	2.11E-09	3.23E-09	2.15E-11	5.37E-09
961	744810.84	4110381.25	2.45E-08	4.12E-08	4.55E-10	6.62E-08	3.80E-09	6.76E-09	6.82E-11	1.06E-08	3.70E-09	5.82E-09	8.66E-11	9.60E-09	2.10E-09	3.21E-09	2.14E-11	5.33E-09
962	744815.55	4110405.04	2.43E-08	4.10E-08	4.51E-10	6.57E-08	3.77E-09	6.71E-09	6.77E-11	1.06E-08	3.67E-09	5.78E-09	8.60E-11	9.53E-09	2.09E-09	3.19E-09	2.12E-11	5.29E-09
963	744820.26	4110428.84	2.42E-08	4.07E-08	4.48E-10	6.53E-08	3.75E-09	6.67E-09	6.72E-11	1.05E-08	3.64E-09	5.74E-09	8.53E-11	9.46E-09	2.07E-09	3.16E-09	2.10E-11	5.25E-09
964	744824.97	4110452.63	2.40E-08	4.04E-08	4.45E-10	6.48E-08	3.72E-09	6.62E-09	6.67E-11	1.04E-08	3.62E-09	5.70E-09	8.47E-11	9.40E-09	2.06E-09	3.14E-09	2.09E-11	5.22E-09

965	744829.68	4110476.42	2.38E-08	4.01E-08	4.42E-10	6.43E-08	3.69E-09	6.57E-09	6.63E-11	1.03E-08	3.59E-09	5.66E-09	8.41E-11	9.33E-09	2.04E-09	3.12E-09	2.08E-11	5.18E-09
966	744834.39	4110500.22	2.37E-08	3.98E-08	4.39E-10	6.39E-08	3.67E-09	6.53E-09	6.58E-11	1.03E-08	3.57E-09	5.62E-09	8.36E-11	9.27E-09	2.03E-09	3.10E-09	2.06E-11	5.15E-09
967	744825.64	4110544.19	2.36E-08	3.97E-08	4.38E-10	6.38E-08	3.66E-09	6.51E-09	6.57E-11	1.02E-08	3.56E-09	5.60E-09	8.34E-11	9.25E-09	2.02E-09	3.09E-09	2.06E-11	5.13E-09
968	744812.18	4110564.37	2.37E-08	3.99E-08	4.40E-10	6.40E-08	3.68E-09	6.54E-09	6.60E-11	1.03E-08	3.57E-09	5.63E-09	8.37E-11	9.29E-09	2.03E-09	3.10E-09	2.07E-11	5.16E-09
969	744798.73	4110584.55	2.38E-08	4.01E-08	4.42E-10	6.43E-08	3.69E-09	6.57E-09	6.63E-11	1.03E-08	3.59E-09	5.65E-09	8.41E-11	9.33E-09	2.04E-09	3.12E-09	2.07E-11	5.18E-09
970	744785.27	4110604.74	2.39E-08	4.03E-08	4.44E-10	6.47E-08	3.71E-09	6.61E-09	6.66E-11	1.04E-08	3.61E-09	5.69E-09	8.46E-11	9.38E-09	2.05E-09	3.14E-09	2.09E-11	5.21E-09
971	744771.81	4110624.92	2.41E-08	4.06E-08	4.47E-10	6.51E-08	3.74E-09	6.65E-09	6.71E-11	1.05E-08	3.64E-09	5.72E-09	8.52E-11	9.44E-09	2.07E-09	3.16E-09	2.10E-11	5.24E-09
972	744758.36	4110645.1	2.43E-08	4.09E-08	4.51E-10	6.56E-08	3.77E-09	6.70E-09	6.76E-11	1.05E-08	3.66E-09	5.77E-09	8.58E-11	9.52E-09	2.08E-09	3.18E-09	2.12E-11	5.28E-09
973	744744.9	4110665.28	2.45E-08	4.12E-08	4.55E-10	6.62E-08	3.80E-09	6.76E-09	6.82E-11	1.06E-08	3.69E-09	5.82E-09	8.66E-11	9.60E-09	2.10E-09	3.21E-09	2.13E-11	5.33E-09
974	744731.44	4110685.46	2.47E-08	4.16E-08	4.59E-10	6.68E-08	3.84E-09	6.83E-09	6.88E-11	1.07E-08	3.73E-09	5.87E-09	8.74E-11	9.69E-09	2.12E-09	3.24E-09	2.16E-11	5.38E-09
975	744717.99	4110705.64	2.50E-08	4.21E-08	4.64E-10	6.75E-08	3.88E-09	6.90E-09	6.96E-11	1.08E-08	3.77E-09	5.94E-09	8.83E-11	9.79E-09	2.14E-09	3.27E-09	2.18E-11	5.44E-09
976	744704.53	4110725.82	2.53E-08	4.25E-08	4.69E-10	6.83E-08	3.92E-09	6.97E-09	7.03E-11	1.10E-08	3.81E-09	6.00E-09	8.93E-11	9.90E-09	2.17E-09	3.31E-09	2.20E-11	5.50E-09
977	744691.07	4110746	2.56E-08	4.30E-08	4.74E-10	6.91E-08	3.97E-09	7.06E-09	7.11E-11	1.11E-08	3.86E-09	6.07E-09	9.03E-11	1.00E-08	2.19E-09	3.35E-09	2.23E-11	5.56E-09
978	744677.62	4110766.18	2.59E-08	4.35E-08	4.80E-10	6.99E-08	4.01E-09	7.14E-09	7.20E-11	1.12E-08	3.90E-09	6.14E-09	9.14E-11	1.01E-08	2.22E-09	3.39E-09	2.25E-11	5.63E-09
979	744664.16	4110786.36	2.62E-08	4.40E-08	4.85E-10	7.07E-08	4.06E-09	7.22E-09	7.28E-11	1.14E-08	3.95E-09	6.21E-09	9.24E-11	1.03E-08	2.24E-09	3.43E-09	2.28E-11	5.69E-09
980	744650.7	4110806.54	2.65E-08	4.45E-08	4.91E-10	7.15E-08	4.10E-09	7.30E-09	7.36E-11	1.15E-08	3.99E-09	6.28E-09	9.35E-11	1.04E-08	2.27E-09	3.47E-09	2.31E-11	5.76E-09
981	744637.25	4110826.72	2.67E-08	4.50E-08	4.96E-10	7.22E-08	4.14E-09	7.37E-09	7.44E-11	1.16E-08	4.03E-09	6.34E-09	9.44E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
982	744623.79	4110846.9	2.69E-08	4.53E-08	5.00E-10	7.28E-08	4.18E-09	7.43E-09	7.50E-11	1.17E-08	4.06E-09	6.40E-09	9.52E-11	1.06E-08	2.31E-09	3.53E-09	2.35E-11	5.86E-09
983	744610.33	4110867.08	2.71E-08	4.56E-08	5.03E-10	7.33E-08	4.21E-09	7.48E-09	7.55E-11	1.18E-08	4.09E-09	6.44E-09	9.58E-11	1.06E-08	2.32E-09	3.55E-09	2.36E-11	5.90E-09
984	744596.88	4110887.26	2.72E-08	4.58E-08	5.05E-10	7.36E-08	4.22E-09	7.52E-09	7.58E-11	1.18E-08	4.11E-09	6.47E-09	9.62E-11	1.07E-08	2.33E-09	3.57E-09	2.37E-11	5.92E-09
985	744583.42	4110907.45	2.73E-08	4.59E-08	5.06E-10	7.37E-08	4.23E-09	7.53E-09	7.59E-11	1.18E-08	4.11E-09	6.48E-09	9.64E-11	1.07E-08	2.34E-09	3.57E-09	2.38E-11	5.93E-09
986	744569.96	4110927.63	2.73E-08	4.59E-08	5.06E-10	7.36E-08	4.23E-09	7.52E-09	7.58E-11	1.18E-08	4.11E-09	6.47E-09	9.63E-11	1.07E-08	2.34E-09	3.57E-09	2.37E-11	5.93E-09
987	744556.51	4110947.81	2.72E-08	4.57E-08	5.04E-10	7.34E-08	4.21E-09	7.49E-09	7.56E-11	1.18E-08	4.09E-09	6.45E-09	9.59E-11	1.06E-08	2.33E-09	3.56E-09	2.37E-11	5.91E-09
988	744543.05	4110967.99	2.70E-08	4.54E-08	5.00E-10	7.29E-08	4.18E-09	7.44E-09	7.51E-11	1.17E-08	4.07E-09	6.40E-09	9.53E-11	1.06E-08	2.31E-09	3.53E-09	2.35E-11	5.87E-09
989	744529.59	4110988.17	2.67E-08	4.50E-08	4.96E-10	7.22E-08	4.14E-09	7.37E-09	7.43E-11	1.16E-08	4.03E-09	6.34E-09	9.44E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
990	744516.13	4111008.35	2.64E-08	4.44E-08	4.90E-10	7.13E-08	4.09E-09	7.28E-09	7.34E-11	1.15E-08	3.98E-09	6.27E-09	9.32E-11	1.03E-08	2.26E-09	3.46E-09	2.30E-11	5.74E-09
991	744502.68	4111028.53	2.60E-08	4.38E-08	4.82E-10	7.03E-08	4.03E-09	7.18E-09	7.24E-11	1.13E-08	3.92E-09	6.17E-09	9.19E-11	1.02E-08	2.23E-09	3.41E-09	2.27E-11	5.66E-09
992	744489.22	4111048.71	2.56E-08	4.30E-08	4.74E-10	6.91E-08	3.97E-09	7.06E-09	7.11E-11	1.11E-08	3.86E-09	6.07E-09	9.03E-11	1.00E-08	2.19E-09	3.35E-09	2.23E-11	5.56E-09
993	744475.76	4111068.89	2.51E-08	4.22E-08	4.66E-10	6.78E-08	3.89E-09	6.93E-09	6.98E-11	1.09E-08	3.79E-09	5.96E-09	8.87E-11	9.83E-09	2.15E-09	3.29E-09	2.19E-11	5.46E-09
994	744462.31	4111089.07	2.46E-08	4.14E-08	4.56E-10	6.65E-08	3.82E-09	6.79E-09	6.85E-11	1.07E-08	3.71E-09	5.84E-09	8.69E-11	9.64E-09	2.11E-09	3.22E-09	2.14E-11	5.35E-09
995	744448.85	4111109.25	2.41E-08	4.06E-08	4.47E-10	6.51E-08	3.74E-09	6.65E-09	6.71E-11	1.05E-08	3.63E-09	5.72E-09	8.51E-11	9.44E-09	2.06E-09	3.16E-09	2.10E-11	5.24E-09
996	744435.39	4111129.43	2.36E-08	3.97E-08	4.37E-10	6.37E-08	3.66E-09	6.51E-09	6.56E-11	1.02E-08	3.56E-09	5.60E-09	8.33E-11	9.24E-09	2.02E-09	3.09E-09	2.05E-11	5.13E-09
997	744421.94	4111149.61	2.31E-08	3.89E-08	4.28E-10	6.24E-08	3.58E-09	6.37E-09	6.43E-11	1.00E-08	3.48E-09	5.48E-09	8.16E-11	9.05E-09	1.98E-09	3.02E-09	2.01E-11	5.02E-09
998	744408.48	4111169.79	2.26E-08	3.81E-08	4.20E-10	6.11E-08	3.51E-09	6.24E-09	6.30E-11	9.81E-09	3.41E-09	5.37E-09	7.99E-11	8.86E-09	1.94E-09	2.96E-09	1.97E-11	4.92E-09
999	744395.02	4111189.97	2.22E-08	3.73E-08	4.12E-10	5.99E-08	3.44E-09	6.12E-09	6.17E-11	9.62E-09	3.35E-09	5.27E-09	7.84E-11	8.69E-09	1.90E-09	2.91E-09	1.93E-11	4.83E-09
1000	744381.57	4111210.16	2.18E-08	3.67E-08	4.04E-10	5.89E-08	3.38E-09	6.01E-09	6.06E-11	9.45E-09	3.29E-09	5.17E-09	7.70E-11	8.54E-09	1.87E-09	2.85E-09	1.90E-11	4.74E-09
1001	744368.11	4111230.34	2.14E-08	3.61E-08	3.98E-10	5.79E-08	3.32E-09	5.92E-09	5.97E-11	9.30E-09	3.23E-09	5.09E-09	7.57E-11	8.40E-09	1.84E-09	2.81E-09	1.87E-11	4.66E-09
1002	744354.65	4111250.52	2.11E-08	3.56E-08	3.92E-10	5.71E-08	3.28E-09	5.83E-09	5.88E-11	9.17E-09	3.19E-09	5.02E-09	7.47E-11	8.28E-09	1.81E-09	2.77E-09	1.84E-11	4.60E-09
1003	744341.2	4111270.7	2.09E-08	3.51E-08	3.87E-10	5.64E-08	3.24E-09	5.76E-09	5.81E-11	9.06E-09	3.15E-09	4.96E-09	7.38E-11	8.18E-09	1.79E-09	2.73E-09	1.82E-11	4.54E-09
1004	744327.74	4111290.88	2.07E-08	3.48E-08	3.83E-10	5.58E-08	3.21E-09	5.70E-09	5.75E-11	8.97E-09	3.12E-09	4.91E-09	7.30E-11	8.10E-09	1.77E-09	2.71E-09	1.80E-11	4.50E-09
1005	744314.28	4111311.06	2.05E-08	3.45E-08	3.80E-10	5.54E-08	3.18E-09	5.66E-09	5.71E-11	8.89E-09	3.09E-09	4.87E-09	7.24E-11	8.03E-09	1.76E-09	2.68E-09	1.79E-11	4.46E-09
1006	744300.83	4111331.24	2.04E-08	3.43E-08	3.78E-10	5.51E-08	3.16E-09	5.62E-09	5.67E-11	8.84E-09	3.07E-09	4.84E-09	7.20E-11	7.98E-09	1.75E-09	2.67E-09	1.78E-11	4.43E-09
1007	744287.37	4111351.42	2.03E-08	3.42E-08	3.76E-10	5.48E-08	3.15E-09	5.60E-09	5.65E-11	8.80E-09	3.06E-09	4.82E-09	7.17E-11	7.95E-09	1.74E-09	2.66E-09	1.77E-11	4.41E-09
1008	744273.91	4111371.6	2.02E-08	3.40E-08	3.75E-10	5.46E-08	3.14E-09	5.58E-09	5.63E-11	8.77E-09	3.05E-09	4.80E-09	7.15E-11	7.92E-09	1.73E-09	2.65E-09	1.76E-11	4.40E-09
1009	744260.46	4111391.78	2.02E-08	3.40E-08	3.74E-10	5.45E-08	3.13E-09	5.57E-09	5.61E-11	8.75E-09	3.04E-09	4.79E-09	7.13E-11	7.90E-09	1.73E-09	2.64E-09	1.76E-11	4.39E-09
1010	744247	4111411.96	2.01E-08	3.39E-08	3.73E-10	5.44E-08	3.12E-09	5.56E-09	5.60E-11	8.73E-09	3.04E-09	4.78E-09	7.11E-11	7.89E-09	1.73E-09	2.64E-09	1.75E-11	4.38E-09
1011	744233.54	4111432.14	2.01E-08	3.39E-08	3.73E-10	5.43E-08	3.12E-09	5.55E-09	5.60E-11	8.73E-09	3.03E-09	4.78E-09	7.11E-11	7.88E-09	1.72E-09	2.63E-09	1.75E-11	4.38E-09
1012	744220.09	4111452.32	2.01E-08	3.38E-08	3.73E-10	5.43E-08	3.12E-09	5.55E-09	5.59E-11	8.72E-09	3.03E-09	4.77E-09	7.10E-11	7.87E-09	1.72E-09	2.63E-09	1.75E-11	4.37E-09
1013	744206.63	4111472.5	2.01E-08	3.38E-08	3.73E-10	5.43E-08	3.11E-09	5.54E-09	5.59E-11	8.71E-09	3.03E-09	4.77E-09	7.09E-11	7.87E-09	1.72E-09	2.63E-09	1.75E-11	4.37E-09
1014	744193.17	4111492.68	2.01E-08	3.38E-08	3.72E-10	5.42E-08	3.11E-09	5.54E-09	5.58E-11	8.70E-09	3.03E-09	4.76E-09	7.09E-11	7.86E-09	1.72E-09	2.63E-09	1.75E-11	4.36E-09
1015	744179.72	4111512.87	2.01E-08	3.38E-08	3.72E-10	5.42E-08	3.11E-09	5.53E-09	5.58E-11	8.70E-09	3.02E-09	4.76E-09	7.09E-11	7.86E-09	1.72E-09	2.63E-09	1.75E-11	4.36E-09
1016	744166.26	4111533.05	2.01E-08	3.38E-08	3.72E-10	5.42E-08	3.11E-09	5.54E-09	5.58E-11	8.70E-09	3.03E-09	4.76E-09	7.09E-11	7.86E-09	1.72E-09	2.63E-09	1.75E-11	4.36E-09
1017	744152.8	4111553.23	2.01E-08	3.38E-08	3.73E-10	5.43E-08	3.11E-09	5.54E-09	5.59E-11	8.71E-09	3.03E-09	4.77E-09	7.09E-11	7.87E-09	1.72E-09	2.63E-09	1.75E-11	4.37E-09
1018	744139.35	4111573.41	2.01E-08	3.39E-08	3.73E-10	5.44E-08	3.12E-09	5.56E-09	5.60E-11	8.73E-09	3.04E-09	4.78E-09	7.11E-11	7.89E-09	1.73E-09	2.64E-09	1.75E-11	4.38E-09
1019	744125.89	4111593.59	2.02E-08	3.40E-08	3.75E-10	5.46E-08	3.14E-09	5.58E-09	5.63E-11	8.77E-09	3.05E-09	4.80E-09	7.14E-11	7.92E-09	1.73E-09	2.65E-09	1.76E-11	4.40E-09
1020	744112.43	4111613.77	2.03E-08	3.42E-08	3.77E-10	5.49E-08	3.15E-09	5.61E-09	5.66E-11	8.82E-09	3.07E-09	4.83E-09	7.18E-11	7.97E-09	1.74E-09	2.66E-09	1.77E-11	4.42E-09
1021	744098.98	4111633.95	2.05E-08	3.45E-08	3.80E-10	5.54E-08	3.18E-09	5.66E-09	5.70E-11	8.89E-09	3.09E-09	4.87E-09	7.24E-11	8.03E-09	1.76E-09	2.68E-09	1.79E-11	4.46E-09
1022	744085.52	4111654.13	2.07E-08	3.48E-08	3.84E-10	5.59E-08	3.21E-09	5.71E-09	5.76E-11	8.98E-09	3.12E-09	4.91E-09	7.31E-11	8.11E-09	1.77E-09	2.71E-09	1.80E-11	4.50E-09
1023	744072.06	4111674.31	2.10E-08	3.53E-08	3.89E-10	5.66E-08	3.25E-09	5.78E-09	5.83E-11	9.09E-09	3.16E-09	4.98E-09	7.40E-11	8.21E-09	1.80E-09	2.74E-09	1.83E-11	4.56E-09
1024	744058.61	4111694.49	2.13E-08	3.58E-08	3.94E-10	5.74E-08	3.30E-09	5.86E-09	5.91E-11	9.22E-09	3.21E-09	5.05E-09	7.51E-11	8.33E-09	1.82E-09	2.78E-09	1.85E-11	4.62E-09
1025	744045.15	4111714.67	2.16E-08	3.63E-08	4.00E-10	5.83E-08	3.35E-09	5.95E-09	6.00E-11	9.36E-09	3.25E-09	5.12E-09	7.62E-11	8.45E-09	1.85E-09	2.83E-09	1.88E-11	4.69E-09
1026	744031.69	4111734.85	2.19E-08	3.69E-08	4.07E-10	5.93E-08	3.40E-09	6.05E-09	6.11E-11	9.52E-09	3.31E-09	5.21E-09	7.75E-11	8.60E-09	1.88E-09	2.87E-09	1.91E-11	4.77E-09
1027	744018.24	4111755.03	2.23E-08	3.75E-08	4.14E-10	6.03E-08	3.46E-09	6.15E-09	6.21E-11	9.68E-09	3.36E-09	5.30E-09	7.88E-11	8.74E-09	1.91E-09	2.92E-09	1.94E-11	4.85E-09
1028	744004.78	4111775.21	2.27E-08	3.81E-08	4.20E-10	6.12E-08	3.52E-09	6.25E-09	6.31E-11	9.83E-09	3.42E-09	5.38E-09	8.01E-11	8.88E-09	1.94E-09	2.97E-09	1.97E-11	4.93E-09
1029	743991.32	4111795.39	2.30E-08	3.87E-08	4.27E-10	6.21E-08	3.57E-09	6.35E-09	6.40E-11	9.98E-09	3.47E-09	5.46E-09	8.13E-11	9.01E-09	1.97E-09	3.01E-09	2.00E-11	5.00E-09
1030	743977.87	4111815.58	2.33E-08	3.92E-08	4.32E-10	6.29E-08	3.61E-09	6.43E-09	6.48E-11	1.01E-08	3.51E-09	5.53E-09	8.23E-11	9.13E-09	2.00E-09	3.05E-09	2.03E-11	5.07E-09
1031	743964.41	4111835.76	2.35E-08	3.96E-08	4.36E-10	6.36E-08	3.65E-09	6.49E-09	6.55E-11	1.02E-08	3.55E-09	5.59E-09	8.31E-11	9.22E-09	2.02E-09	3.08E-09	2.05E-11	5.12E-09
1032	743950.95	4111855.94	2.37E-08	3.98E-08	4.39E-10	6.39E-08	3.67E-09	6.53E-09	6.59E-11	1.03E-08	3.57E-09	5.62E-09	8.36E-11	9.27E-09	2.03E-09	3.10E-09	2.06E-11	5.15E-09
1033	743937.5	4111876.12	2.37E-08	3.99E-08	4.40E-10	6.41E-08	3.68E-09	6.54E-09	6.60E-11	1.03E-08	3.58E-09	5.63E-09	8.38E-11	9.29E-09	2.03E-09	3.11E-09	2.07E-11	5.16E-09
1034	743924.04	4111896.3	2.37E-08	3.98E-08	4.39E-10	6.39E-08	3.67E-09	6.53E-09	6.58E-11	1.03E-08	3.57E-09	5.62E-09	8.36E-11	9.27E-09	2.03E-09	3.10E-09	2.06E-11	5.14E-09
1035	743910.58	4111916.48	2.35E-08	3.95E-08	4.35E-10	6.34E-08	3.64E-09	6.48E-09	6.53E-11	1.02E-08	3.54E-09	5.57E-09	8.29E-11	9.20E-09	2.01E-09	3.07E-09	2.05E-11	5.11E-09
1036	743897.13	4111936.66	2.32E-08	3.90E-08	4.30E-10	6.26E-08	3.59E-09	6.39E-09	6.45E-11	1.01E-08	3.49E-09	5.50E-09	8.19E-11	9.08E-09	1.99E-09	3.03E-09	2.02E-11	5.04E-09
1037	743883.67	4111956.84	2.28E-08	3.83E-08	4.22E-10	6.15E-08	3.53E-09	6.28E-09	6.33E-11	9.87E-09	3.43E-09	5.40E-09	8.04E-11	8.91E-09	1.95E-09	2.98E-09	1.98E-11	4.95E-09
1038	743870.21	4111977.02	2.22E-08	3.74E-08	4.12E-10	6.00E-08	3.45E-09	6.13E-09	6.18E-11	9.64E-09	3.35E-09	5.28E-09	7.85E-11	8.71E-09	1.90E-09	2.91E-09	1.94E-11	4.83E-09
1039	743856.76	4111997.2	2.16E-08	3.63E-08	4.00E-10	5.83E-08	3.35E-09	5.96E-09	6.01E-11	9.37E-09	3.26E-09	5.13E-09	7.63E-11	8.46E-09	1.85E-09	2.83E-09	1.88E-11	4.70E-09
1040	743843.3	4112017.38	2.09E-08	3.51E-08	3.87E-10	5.64E-08	3.24E-09	5.76E-09	5.81E-11	9.05E-09	3.15E-09	4.95E-09	7.37E-11	8.17E-09	1.79E-09	2.73E-09	1.82E-11	4.54E-09
1041	743829.84	4112037.56	2.01E-08	3.38E-08	3.73E-10	5.43E-08	3.11E-09	5.54E-09	5.59E-11	8.71E-09	3.03E-09	4.77E-09	7.09E-11	7.87E-09	1.72E-09	2.63E-09	1.75E-11	4.37E-09
1042	743816.39	4112057.74	1.92E-08	3.24E-08	3.57E-10	5.20E-08	2.98E-09	5.31E-09	5.35E-11	8.35E-09	2.90E-09	4.57E-09	6.80E-11	7.54E-09	1.65E-09	2.52E-09	1.68E-11	4.19E-09
1043	743802.93	4112077.92	1.84E-08	3.09E-08	3.41E-10	4.97E-08	2.85E-09	5.07E-09	5.11E-11	7.97E-09	2.77E-09	4.36E-09	6.49E-11	7.20E-09	1.58E-09	2.41E-09	1.60E-11	4.00E-09
1044	743789.47	4112098.1	1.75E-08	2.95E-08	3.25E-10	4.73E-08	2.72E-09	4.83E-09	4.87E-11	7.60E-09	2.64E-09	4.16E-09	6.19E-11	6.86E-09	1.50E-09	2.29E-09	1.53E-11	3.81E-09
1045	743776.01	4112118.29	1.67E-08	2.80E-08	3.09E-10	4.50E-08	2.58E-09	4.60E-09	4.64E-11	7.23E-09	2.51E-09	3.96E-09	5.89E-11	6.53E-09	1.43E-09	2.18E-09	1.45E-11	3.62E-09
1046	743762.56	4112138.47	1.59E-08	2.67E-08	2.94E-10	4.29E-08	2.46E-09	4.38E-09	4.41E-11	6.88E-09	2.39E-09	3.77E-09	5.61E-11	6.22E-09	1.36E-09	2.08E-09	1.38E-11	3.45E-09
1047	743749.1	4112158.65	1.51E-08	2.54E-08	2.80E-10	4.08E-08	2.34E-09	4.17E-09	4.21E-11	6.56E-09	2.28E-09	3.59E-09	5.34E-11	5.92E-09	1.30E-09	1.98E-09	1.32E-11	3.29E-09
1048	743735.64	4112178.83	1.44E-08	2.43E-08	2.68E-10	3.90E-08	2.24E-09	3.98E-09	4.02E-11	6.26E-09	2.18E-09	3.43E-09	5.10E-11	5.66E-09	1.24E-09	1.89E-09	1.26E-11	3.14E-09
1049	743722.19	4112199.01	1.39E-08	2.33E-08	2.57E-10	3.74E-08	2.15E-09	3.82E-09	3.85E-11	6.01E-09	2.09E-09	3.29E-09	4.89E-11	5.43E-09	1.19E-09	1.81E-09	1.21E-11	3.01E-09
1050	743708.73	4112219.19	1.29E-08	2.18E-08	2.40E-10	3.50E-08	2.01E-09	3.57E-09	3.60E-11	5.62E-09	1.95E-09	3.07E-09	4.57E-11	5.07E-09	1.11E-09	1.70E-09	1.13E-11	2.82E-09
1051	744438.81	4108501.5	6.05E-08	1.02E-07	1.12E-09	1.63E-07	9.38E-09	1.67E-08	1.68E-10	2.62E-08	9.12E-09	1.44E-08	2.14E-10	2.37E-08	5.18E-09	7.92E-09	5.27E-11	1.31E-08
1052	744425.26	4108481.14	6.05E-08	1.02E-07	1.12E-09	1.63E-07	9.38E-09	1.67E-08	1.68E-10	2.62E-08	9.12E-09	1.44E-08	2.14E-10	2.37E-08	5.18E-09	7.92E-09	5.27E-11	1.31E-08

1053	744411.71	4108460.78	6.04E-08	1.02E-07	1.12E-09	1.63E-07	9.37E-09	1.67E-08	1.68E-10	2.62E-08	9.11E-09	1.43E-08	2.13E-10	2.37E-08	5.18E-09	7.91E-09	5.26E-11	1.31E-08
1054	744398.16	4108440.42	6.04E-08	1.02E-07	1.12E-09	1.63E-07	9.36E-09	1.67E-08	1.68E-10	2.62E-08	9.10E-09	1.43E-08	2.13E-10	2.37E-08	5.17E-09	7.91E-09	5.26E-11	1.31E-08
1055	744384.62	4108420.06	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
1056	744371.07	4108399.7	6.01E-08	1.01E-07	1.11E-09	1.62E-07	9.31E-09	1.66E-08	1.67E-10	2.61E-08	9.06E-09	1.43E-08	2.12E-10	2.35E-08	5.15E-09	7.87E-09	5.23E-11	1.31E-08
1057	744357.52	4108379.34	5.98E-08	1.01E-07	1.11E-09	1.61E-07	9.27E-09	1.65E-08	1.66E-10	2.59E-08	9.01E-09	1.42E-08	2.11E-10	2.34E-08	5.12E-09	7.83E-09	5.21E-11	1.30E-08
1058	744343.97	4108358.97	5.94E-08	1.00E-07	1.10E-09	1.61E-07	9.21E-09	1.64E-08	1.65E-10	2.58E-08	8.96E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.78E-09	5.18E-11	1.29E-08
1059	744330.42	4108338.61	5.89E-08	9.92E-08	1.09E-09	1.59E-07	9.14E-09	1.63E-08	1.64E-10	2.56E-08	8.89E-09	1.40E-08	2.08E-10	2.31E-08	5.05E-09	7.72E-09	5.14E-11	1.28E-08
1060	744776.56	4108303.85	5.00E-08	8.41E-08	9.27E-10	1.35E-07	7.75E-09	1.38E-08	1.39E-10	2.17E-08	7.54E-09	1.19E-08	1.77E-10	1.96E-08	4.28E-09	6.55E-09	4.36E-11	1.09E-08
1061	744781.3	4108327.79	5.02E-08	8.45E-08	9.31E-10	1.36E-07	7.79E-09	1.39E-08	1.40E-10	2.18E-08	7.57E-09	1.19E-08	1.77E-10	1.97E-08	4.30E-09	6.57E-09	4.37E-11	1.09E-08
1062	744786.04	4108351.73	5.04E-08	8.48E-08	9.35E-10	1.36E-07	7.82E-09	1.39E-08	1.40E-10	2.19E-08	7.60E-09	1.20E-08	1.78E-10	1.97E-08	4.32E-09	6.60E-09	4.39E-11	1.10E-08
1063	744790.77	4108375.67	5.06E-08	8.51E-08	9.38E-10	1.37E-07	7.85E-09	1.40E-08	1.41E-10	2.19E-08	7.63E-09	1.20E-08	1.79E-10	1.98E-08	4.33E-09	6.62E-09	4.41E-11	1.10E-08
1064	744795.51	4108399.61	5.08E-08	8.54E-08	9.41E-10	1.37E-07	7.87E-09	1.40E-08	1.41E-10	2.20E-08	7.65E-09	1.21E-08	1.79E-10	1.99E-08	4.35E-09	6.65E-09	4.42E-11	1.10E-08
1065	744800.25	4108423.55	5.09E-08	8.56E-08	9.44E-10	1.37E-07	7.89E-09	1.40E-08	1.42E-10	2.21E-08	7.67E-09	1.21E-08	1.80E-10	1.99E-08	4.36E-09	6.66E-09	4.43E-11	1.11E-08
1066	744804.99	4108447.49	5.10E-08	8.58E-08	9.46E-10	1.38E-07	7.91E-09	1.41E-08	1.42E-10	2.21E-08	7.69E-09	1.21E-08	1.80E-10	2.00E-08	4.37E-09	6.68E-09	4.44E-11	1.11E-08
1067	744809.73	4108471.43	5.10E-08	8.59E-08	9.46E-10	1.38E-07	7.91E-09	1.41E-08	1.42E-10	2.21E-08	7.69E-09	1.21E-08	1.80E-10	2.00E-08	4.37E-09	6.68E-09	4.44E-11	1.11E-08
1068	744814.46	4108495.37	5.10E-08	8.58E-08	9.45E-10	1.38E-07	7.90E-09	1.41E-08	1.42E-10	2.21E-08	7.68E-09	1.21E-08	1.80E-10	2.00E-08	4.37E-09	6.67E-09	4.44E-11	1.11E-08
1069	744819.2	4108519.31	5.08E-08	8.55E-08	9.42E-10	1.37E-07	7.88E-09	1.40E-08	1.41E-10	2.20E-08	7.66E-09	1.21E-08	1.79E-10	1.99E-08	4.35E-09	6.65E-09	4.43E-11	1.11E-08
1070	744823.94	4108543.25	5.05E-08	8.51E-08	9.38E-10	1.37E-07	7.84E-09	1.39E-08	1.41E-10	2.19E-08	7.62E-09	1.20E-08	1.79E-10	1.98E-08	4.33E-09	6.62E-09	4.40E-11	1.10E-08
1071	744828.68	4108567.19	5.02E-08	8.44E-08	9.30E-10	1.35E-07	7.78E-09	1.38E-08	1.40E-10	2.18E-08	7.56E-09	1.19E-08	1.77E-10	1.96E-08	4.30E-09	6.57E-09	4.37E-11	1.09E-08
1072	744833.42	4108591.13	4.96E-08	8.35E-08	9.21E-10	1.34E-07	7.70E-09	1.37E-08	1.38E-10	2.15E-08	7.49E-09	1.18E-08	1.75E-10	1.94E-08	4.25E-09	6.50E-09	4.32E-11	1.08E-08
1073	744838.15	4108615.06	4.90E-08	8.25E-08	9.09E-10	1.32E-07	7.60E-09	1.35E-08	1.36E-10	2.13E-08	7.39E-09	1.16E-08	1.73E-10	1.92E-08	4.20E-09	6.42E-09	4.27E-11	1.07E-08
1074	744842.89	4108639	4.83E-08	8.13E-08	8.96E-10	1.30E-07	7.49E-09	1.33E-08	1.34E-10	2.10E-08	7.28E-09	1.15E-08	1.71E-10	1.89E-08	4.14E-09	6.33E-09	4.21E-11	1.05E-08
1075	744847.63	4108662.94	4.75E-08	7.99E-08	8.81E-10	1.28E-07	7.37E-09	1.31E-08	1.32E-10	2.06E-08	7.16E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
1076	744852.37	4108686.88	4.66E-08	7.85E-08	8.65E-10	1.26E-07	7.23E-09	1.29E-08	1.30E-10	2.02E-08	7.03E-09	1.11E-08	1.65E-10	1.83E-08	4.00E-09	6.11E-09	4.06E-11	1.01E-08
1077	744857.11	4108710.82	4.57E-08	7.70E-08	8.48E-10	1.24E-07	7.09E-09	1.26E-08	1.27E-10	1.98E-08	6.90E-09	1.09E-08	1.62E-10	1.79E-08	3.92E-09	5.99E-09	3.98E-11	9.95E-09
1078	744861.84	4108734.76	4.48E-08	7.54E-08	8.31E-10	1.21E-07	6.95E-09	1.24E-08	1.25E-10	1.94E-08	6.76E-09	1.06E-08	1.58E-10	1.75E-08	3.84E-09	5.87E-09	3.90E-11	9.74E-09
1079	744866.58	4108758.7	4.38E-08	7.38E-08	8.13E-10	1.18E-07	6.80E-09	1.21E-08	1.22E-10	1.90E-08	6.61E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.74E-09	3.82E-11	9.54E-09
1080	744871.32	4108782.64	4.29E-08	7.22E-08	7.96E-10	1.16E-07	6.65E-09	1.18E-08	1.19E-10	1.86E-08	6.47E-09	1.02E-08	1.52E-10	1.68E-08	3.68E-09	5.62E-09	3.74E-11	9.33E-09
1081	744876.06	4108806.58	4.19E-08	7.06E-08	7.78E-10	1.13E-07	6.50E-09	1.16E-08	1.17E-10	1.82E-08	6.33E-09	9.96E-09	1.48E-10	1.64E-08	3.59E-09	5.49E-09	3.65E-11	9.12E-09
1082	744880.8	4108830.52	4.10E-08	6.90E-08	7.60E-10	1.11E-07	6.36E-09	1.13E-08	1.14E-10	1.78E-08	6.18E-09	9.73E-09	1.45E-10	1.61E-08	3.51E-09	5.37E-09	3.57E-11	8.92E-09
1083	744885.53	4108854.46	4.01E-08	6.74E-08	7.43E-10	1.08E-07	6.21E-09	1.11E-08	1.11E-10	1.74E-08	6.04E-09	9.51E-09	1.42E-10	1.57E-08	3.43E-09	5.25E-09	3.49E-11	8.71E-09
1084	744890.27	4108878.4	3.91E-08	6.59E-08	7.26E-10	1.06E-07	6.07E-09	1.08E-08	1.09E-10	1.70E-08	5.90E-09	9.29E-09	1.38E-10	1.53E-08	3.35E-09	5.13E-09	3.41E-11	8.51E-09
1085	744895.01	4108902.34	3.82E-08	6.44E-08	7.09E-10	1.03E-07	5.93E-09	1.06E-08	1.06E-10	1.66E-08	5.77E-09	9.08E-09	1.35E-10	1.50E-08	3.28E-09	5.01E-09	3.33E-11	8.32E-09
1086	744899.75	4108926.28	3.74E-08	6.29E-08	6.93E-10	1.01E-07	5.79E-09	1.03E-08	1.04E-10	1.62E-08	5.63E-09	8.87E-09	1.32E-10	1.46E-08	3.20E-09	4.89E-09	3.26E-11	8.13E-09
1087	744904.49	4108950.22	3.65E-08	6.14E-08	6.77E-10	9.86E-08	5.66E-09	1.01E-08	1.02E-10	1.58E-08	5.51E-09	8.67E-09	1.29E-10	1.43E-08	3.13E-09	4.78E-09	3.18E-11	7.94E-09
1088	744909.22	4108974.16	3.57E-08	6.01E-08	6.62E-10	9.64E-08	5.54E-09	9.85E-09	9.93E-11	1.55E-08	5.38E-09	8.47E-09	1.26E-10	1.40E-08	3.06E-09	4.67E-09	3.11E-11	7.76E-09
1089	744913.96	4108998.1	3.49E-08	5.88E-08	6.48E-10	9.44E-08	5.42E-09	9.64E-09	9.72E-11	1.52E-08	5.27E-09	8.30E-09	1.23E-10	1.37E-08	2.99E-09	4.58E-09	3.04E-11	7.60E-09
1090	744918.7	4109022.04	3.43E-08	5.76E-08	6.35E-10	9.25E-08	5.31E-09	9.45E-09	9.53E-11	1.49E-08	5.16E-09	8.13E-09	1.21E-10	1.34E-08	2.93E-09	4.48E-09	2.98E-11	7.45E-09
1091	744923.44	4109045.98	3.36E-08	5.66E-08	6.24E-10	9.09E-08	5.22E-09	9.28E-09	9.36E-11	1.46E-08	5.07E-09	7.99E-09	1.19E-10	1.32E-08	2.88E-09	4.40E-09	2.93E-11	7.32E-09
1092	744928.18	4109069.92	3.31E-08	5.57E-08	6.14E-10	8.95E-08	5.14E-09	9.14E-09	9.21E-11	1.44E-08	4.99E-09	7.86E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.88E-11	7.20E-09
1093	744932.91	4109093.86	3.27E-08	5.50E-08	6.07E-10	8.84E-08	5.07E-09	9.02E-09	9.10E-11	1.42E-08	4.93E-09	7.77E-09	1.16E-10	1.28E-08	2.80E-09	4.28E-09	2.85E-11	7.11E-09
1094	744937.65	4109117.8	3.24E-08	5.46E-08	6.01E-10	8.76E-08	5.03E-09	8.94E-09	9.02E-11	1.41E-08	4.89E-09	7.70E-09	1.15E-10	1.27E-08	2.78E-09	4.24E-09	2.82E-11	7.05E-09
1095	744942.39	4109141.74	3.22E-08	5.43E-08	5.98E-10	8.71E-08	5.00E-09	8.90E-09	8.97E-11	1.40E-08	4.86E-09	7.66E-09	1.14E-10	1.26E-08	2.76E-09	4.22E-09	2.81E-11	7.01E-09
1096	744947.13	4109165.68	3.22E-08	5.42E-08	5.97E-10	8.70E-08	4.99E-09	8.88E-09	8.96E-11	1.40E-08	4.85E-09	7.64E-09	1.14E-10	1.26E-08	2.76E-09	4.21E-09	2.80E-11	7.00E-09
1097	744951.87	4109189.62	3.22E-08	5.42E-08	5.98E-10	8.71E-08	5.00E-09	8.89E-09	8.97E-11	1.40E-08	4.86E-09	7.65E-09	1.14E-10	1.26E-08	2.76E-09	4.22E-09	2.81E-11	7.01E-09
1098	744956.6	4109213.55	3.24E-08	5.45E-08	6.01E-10	8.75E-08	5.02E-09	8.93E-09	9.01E-11	1.40E-08	4.88E-09	7.69E-09	1.14E-10	1.27E-08	2.77E-09	4.24E-09	2.82E-11	7.04E-09
1099	744961.34	4109237.49	3.26E-08	5.49E-08	6.05E-10	8.81E-08	5.06E-09	8.99E-09	9.07E-11	1.41E-08	4.92E-09	7.74E-09	1.15E-10	1.28E-08	2.79E-09	4.27E-09	2.84E-11	7.09E-09
1100	744966.08	4109261.43	3.29E-08	5.53E-08	6.10E-10	8.88E-08	5.10E-09	9.07E-09	9.15E-11	1.43E-08	4.96E-09	7.81E-09	1.16E-10	1.29E-08	2.82E-09	4.31E-09	2.86E-11	7.15E-09
1101	744970.82	4109285.37	3.32E-08	5.59E-08	6.16E-10	8.97E-08	5.15E-09	9.16E-09	9.24E-11	1.44E-08	5.01E-09	7.88E-09	1.17E-10	1.30E-08	2.84E-09	4.35E-09	2.89E-11	7.22E-09
1102	744975.56	4109309.31	3.35E-08	5.64E-08	6.22E-10	9.05E-08	5.20E-09	9.25E-09	9.32E-11	1.45E-08	5.05E-09	7.96E-09	1.18E-10	1.31E-08	2.87E-09	4.39E-09	2.92E-11	7.29E-09
1103	744980.29	4109333.25	3.38E-08	5.69E-08	6.27E-10	9.13E-08	5.24E-09	9.33E-09	9.41E-11	1.47E-08	5.10E-09	8.03E-09	1.19E-10	1.32E-08	2.90E-09	4.43E-09	2.95E-11	7.35E-09
1104	744985.03	4109357.19	3.40E-08	5.73E-08	6.32E-10	9.20E-08	5.28E-09	9.39E-09	9.47E-11	1.48E-08	5.13E-09	8.08E-09	1.20E-10	1.33E-08	2.92E-09	4.46E-09	2.97E-11	7.41E-09
1105	744989.77	4109381.13	3.42E-08	5.76E-08	6.35E-10	9.25E-08	5.31E-09	9.45E-09	9.53E-11	1.49E-08	5.16E-09	8.13E-09	1.21E-10	1.34E-08	2.93E-09	4.48E-09	2.98E-11	7.45E-09
1106	744994.51	4109405.07	3.44E-08	5.78E-08	6.37E-10	9.28E-08	5.33E-09	9.48E-09	9.56E-11	1.49E-08	5.18E-09	8.16E-09	1.21E-10	1.35E-08	2.94E-09	4.50E-09	2.99E-11	7.47E-09
1107	744999.25	4109429.01	3.44E-08	5.78E-08	6.37E-10	9.28E-08	5.33E-09	9.48E-09	9.56E-11	1.49E-08	5.18E-09	8.16E-09	1.21E-10	1.35E-08	2.94E-09	4.50E-09	2.99E-11	7.47E-09
1108	745003.98	4109452.95	3.43E-08	5.77E-08	6.36E-10	9.26E-08	5.31E-09	9.45E-09	9.53E-11	1.49E-08	5.17E-09	8.14E-09	1.21E-10	1.34E-08	2.94E-09	4.49E-09	2.99E-11	7.45E-09
1109	745008.72	4109476.89	3.41E-08	5.74E-08	6.32E-10	9.21E-08	5.29E-09	9.41E-09	9.48E-11	1.48E-08	5.14E-09	8.09E-09	1.20E-10	1.34E-08	2.92E-09	4.46E-09	2.97E-11	7.41E-09
1110	745013.46	4109500.83	3.38E-08	5.69E-08	6.27E-10	9.13E-08	5.24E-09	9.33E-09	9.41E-11	1.47E-08	5.10E-09	8.03E-09	1.19E-10	1.32E-08	2.90E-09	4.43E-09	2.95E-11	7.35E-09
1111	745018.2	4109524.77	3.34E-08	5.63E-08	6.20E-10	9.03E-08	5.18E-09	9.22E-09	9.30E-11	1.45E-08	5.04E-09	7.94E-09	1.18E-10	1.31E-08	2.86E-09	4.38E-09	2.91E-11	7.27E-09
1112	745022.94	4109548.71	3.30E-08	5.55E-08	6.12E-10	8.91E-08	5.12E-09	9.10E-09	9.18E-11	1.43E-08	4.97E-09	7.83E-09	1.17E-10	1.29E-08	2.83E-09	4.32E-09	2.87E-11	7.17E-09
1113	745027.68	4109572.65	3.25E-08	5.47E-08	6.03E-10	8.77E-08	5.04E-09	8.96E-09	9.04E-11	1.41E-08	4.90E-09	7.71E-09	1.15E-10	1.27E-08	2.78E-09	4.25E-09	2.83E-11	7.07E-09
1114	745032.41	4109596.59	3.19E-08	5.37E-08	5.92E-10	8.63E-08	4.95E-09	8.81E-09	8.89E-11	1.39E-08	4.82E-09	7.58E-09	1.13E-10	1.25E-08	2.74E-09	4.18E-09	2.78E-11	6.95E-09
1115	745037.15	4109620.53	3.14E-08	5.28E-08	5.82E-10	8.47E-08	4.86E-09	8.65E-09	8.72E-11	1.36E-08	4.73E-09	7.44E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.73E-11	6.82E-09
1116	745041.89	4109644.47	3.07E-08	5.17E-08	5.70E-10	8.31E-08	4.77E-09	8.48E-09	8.56E-11	1.33E-08	4.64E-09	7.30E-09	1.09E-10	1.20E-08	2.63E-09	4.03E-09	2.68E-11	6.69E-09
1117	745046.63	4109668.41	3.01E-08	5.06E-08	5.58E-10	8.12E-08	4.66E-09	8.30E-09	8.37E-11	1.30E-08	4.54E-09	7.14E-09	1.06E-10	1.18E-08	2.58E-09	3.94E-09	2.62E-11	6.54E-09
1118	745051.37	4109692.35	2.94E-08	4.95E-08	5.46E-10	7.95E-08	4.56E-09	8.12E-09	8.19E-11	1.28E-08	4.44E-09	6.99E-09	1.04E-10	1.15E-08	2.52E-09	3.85E-09	2.56E-11	6.40E-09
1119	745056.1	4109716.29	2.88E-08	4.85E-08	5.34E-10	7.78E-08	4.47E-09	7.95E-09	8.01E-11	1.25E-08	4.34E-09	6.84E-09	1.02E-10	1.13E-08	2.47E-09	3.77E-09	2.51E-11	6.27E-09
1120	745060.84	4109740.23	2.82E-08	4.75E-08	5.23E-10	7.62E-08	4.38E-09	7.78E-09	7.85E-11	1.22E-08	4.25E-09	6.70E-09	9.97E-11	1.11E-08	2.42E-09	3.69E-09	2.46E-11	6.14E-09
1121	745065.58	4109764.17	2.77E-08	4.66E-08	5.13E-10	7.48E-08	4.29E-09	7.64E-09	7.70E-11	1.20E-08	4.17E-09	6.57E-09	9.78E-11	1.08E-08	2.37E-09	3.62E-09	2.41E-11	6.02E-09
1122	745070.32	4109788.11	2.73E-08	4.60E-08	5.07E-10	7.38E-08	4.24E-09	7.54E-09	7.60E-11	1.18E-08	4.12E-09	6.48E-09	9.65E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.94E-09
1123	745075.06	4109812.04	2.69E-08	4.52E-08	4.98E-10	7.25E-08	4.16E-09	7.41E-09	7.47E-11	1.16E-08	4.05E-09	6.37E-09	9.49E-11	1.05E-08	2.30E-09	3.52E-09	2.34E-11	5.84E-09
1124	745079.79	4109835.98	2.64E-08	4.44E-08	4.90E-10	7.13E-08	4.09E-09	7.28E-09	7.34E-11	1.15E-08	3.98E-09	6.27E-09	9.32E-11	1.03E-08	2.26E-09	3.46E-09	2.30E-11	5.74E-09
1125	745084.53	4109859.92	2.59E-08	4.36E-08	4.81E-10	7.01E-08	4.02E-09	7.16E-09	7.22E-11	1.12E-08	3.91E-09	6.16E-09	9.16E-11	1.02E-08	2.22E-09	3.40E-09	2.26E-11	5.64E-09
1126	745089.27	4109883.86	2.55E-08	4.28E-08	4.72E-10	6.88E-08	3.95E-09	7.02E-09	7.08E-11	1.10E-08	3.84E-09	6.04E-09	8.99E-11	9.97E-09	2.18E-09	3.33E-09	2.22E-11	5.54E-09
1127	745094.01	4109907.8	2.49E-08	4.19E-08	4.62E-10	6.73E-08	3.86E-09	6.87E-09	6.93E-11	1.08E-08	3.76E-09	5.91E-09	8.80E-11	9.76E-09	2.13E-09	3.26E-09	2.17E-11	5.42E-09
1128	745098.75	4109931.74	2.45E-08	4.12E-08	4.55E-10	6.62E-08	3.80E-09	6.76E-09	6.82E-11	1.06E-08	3.70E-09	5.82E-09	8.66E-11	9.60E-09	2.10E-09	3.21E-09	2.14E-11	5.33E-09
1129	745103.48	4109955.68	2.41E-08	4.06E-08	4.48E-10	6.52E-08	3.74E-09	6.66E-09	6.71E-11	1.05E-08	3.64E-09	5.73E-09	8.53E-11	9.45E-09	2.07E-09	3.16E-09	2.10E-11	5.25E-09
1130	745108.22	4109979.62	2.38E-08	4.00E-08	4.41E-10	6.42E-08	3.69E-09	6.56E-09	6.62E-11	1.03E-08	3.59E-09	5.65E-09	8.40E-11	9.32E-09	2.04E-09	3.11E-09	2.07E-11	5.17E-09
1131	745112.96	4110003.56	2.36E-08	3.97E-08	4.37E-10	6.37E-08	3.66E-09	6.51E-09	6.56E-11	1.02E-08	3.56E-09	5.60E-09	8.33E-11	9.24E-09	2.02E-09	3.09E-09	2.05E-11	5.13E-09
1132	745117.7	4110027.5	2.33E-08	3.91E-08	4.31E-10	6.28E-08	3.61E-09	6.42E-09	6.47E-11	1.01E-08	3.51E-09	5.52E-09	8.22E-11	9.11E-09	1.99E-09	3.05E-09	2.03E-11	5.06E-09
1133	745122.44	4110051.44	2.29E-08	3.86E-08	4.26E-10	6.20E-08	3.56E-09	6.33E-09	6.38E-11	9.95E-09	3.46E-09	5.45E-09	8.11E-11	8.99E-09	1.97E-09	3.00E-09	2.00E-11	4.99E-09
1134	745127.17	4110075.38	2.27E-08	3.81E-08	4.20E-10	6.12E-08	3.51E-09	6.25E-09	6.30E-11	9.83E-09	3.42E-09	5.38E-09	8.00E-11	8.88E-09	1.94E-09	2.97E-09	1.97E-11	4.93E-09
1135	745131.91	4110099.32	2.22E-08	3.74E-08	4.12E-10	6.00E-08	3.44E-09	6.12E-09	6.18E-11	9.63E-09	3.35E-09	5.27E-09	7.84E-11	8.70E-09	1.90E-09	2.91E-09	1.93E-11	4.83E-09
1136	745136.65	4110123.26	2.19E-08	3.69E-08	4.07E-10	5.93E-08	3.40E-09	6.05E-09	6.10E-11	9.51E-09	3.31E-09	5.21E-09	7.75E-11	8.59E-09	1.88E-09	2.87E-09	1.91E-11	4.77E-09
1137	745141.39	4110147.2	2.17E-08	3.65E-08	4.03E-10	5.86E-08	3.37E-09	5.99E-09	6.04E-11	9.41E-09	3.27E-09	5.15E-09	7.67E-11	8.50E-09	1.86E-09	2.84E-09	1.89E-11	4.72E-09
1138	745146.13	4110171.14	2.15E-08	3.62E-08	3.99E-10	5.81E-08	3.33E-09	5.93E-09	5.98E-11	9.32E-09	3.24E-09	5.10E-09	7.59E-11	8.42E-09	1.84E-09	2.81E-09	1.87E-11	4.67E-09
1139	745150.86	4110195.08	2.13E-08	3.59E-08	3.95E-10	5.76E-08	3.30E-09	5.88E-09	5.93E-11	9.24E-09	3.21E-09	5.06E-09	7.53E-11	8.35E-09	1.83E-09	2.79E-09	1.86E-11	4.63E-09
1140	745155.6	4110219.02	2.11E-08	3.56E-08	3.92E-10	5.71E-08	3.28E-09	5.83E-09	5.88E-11	9.17E-09	3.19E-09	5.02E-09	7.47E-11	8.28E-09	1.81E-09	2.77E-09	1.84E-11	4.60E-09

1141	745160.34	4110242.96	2.10E-08	3.53E-08	3.90E-10	5.67E-08	3.26E-09	5.79E-09	5.84E-11	9.11E-09	3.17E-09	4.99E-09	7.42E-11	8.23E-09	1.80E-09	2.75E-09	1.83E-11	4.57E-09
1142	745165.08	4110266.9	2.09E-08	3.51E-08	3.87E-10	5.64E-08	3.24E-09	5.76E-09	5.81E-11	9.05E-09	3.15E-09	4.96E-09	7.37E-11	8.18E-09	1.79E-09	2.73E-09	1.82E-11	4.54E-09
1143	745169.82	4110290.84	2.08E-08	3.49E-08	3.85E-10	5.61E-08	3.22E-09	5.73E-09	5.78E-11	9.00E-09	3.13E-09	4.93E-09	7.33E-11	8.13E-09	1.78E-09	2.72E-09	1.81E-11	4.51E-09
1144	745174.55	4110314.78	2.06E-08	3.47E-08	3.83E-10	5.58E-08	3.20E-09	5.69E-09	5.74E-11	8.95E-09	3.11E-09	4.90E-09	7.29E-11	8.09E-09	1.77E-09	2.70E-09	1.80E-11	4.49E-09
1145	745179.29	4110338.72	2.05E-08	3.45E-08	3.81E-10	5.54E-08	3.18E-09	5.66E-09	5.71E-11	8.90E-09	3.09E-09	4.87E-09	7.25E-11	8.04E-09	1.76E-09	2.69E-09	1.79E-11	4.46E-09
1146	745184.03	4110362.66	2.04E-08	3.44E-08	3.79E-10	5.51E-08	3.17E-09	5.63E-09	5.68E-11	8.85E-09	3.08E-09	4.85E-09	7.21E-11	8.00E-09	1.75E-09	2.67E-09	1.78E-11	4.44E-09
1147	745188.77	4110386.6	2.03E-08	3.42E-08	3.76E-10	5.48E-08	3.15E-09	5.60E-09	5.65E-11	8.80E-09	3.06E-09	4.82E-09	7.17E-11	7.95E-09	1.74E-09	2.66E-09	1.77E-11	4.41E-09
1148	745193.51	4110410.53	2.02E-08	3.40E-08	3.74E-10	5.45E-08	3.13E-09	5.57E-09	5.61E-11	8.75E-09	3.04E-09	4.79E-09	7.13E-11	7.90E-09	1.73E-09	2.64E-09	1.76E-11	4.39E-09
1149	745198.24	4110434.47	2.01E-08	3.38E-08	3.72E-10	5.42E-08	3.11E-09	5.53E-09	5.58E-11	8.70E-09	3.02E-09	4.76E-09	7.09E-11	7.86E-09	1.72E-09	2.63E-09	1.75E-11	4.36E-09
1150	745202.98	4110458.41	1.99E-08	3.36E-08	3.70E-10	5.39E-08	3.09E-09	5.50E-09	5.55E-11	8.65E-09	3.01E-09	4.73E-09	7.04E-11	7.81E-09	1.71E-09	2.61E-09	1.74E-11	4.34E-09
1151	745207.72	4110482.35	1.98E-08	3.34E-08	3.68E-10	5.35E-08	3.07E-09	5.47E-09	5.52E-11	8.60E-09	2.99E-09	4.71E-09	7.00E-11	7.77E-09	1.70E-09	2.60E-09	1.73E-11	4.31E-09
1152	745212.46	4110506.29	1.97E-08	3.32E-08	3.66E-10	5.32E-08	3.06E-09	5.44E-09	5.48E-11	8.55E-09	2.97E-09	4.68E-09	6.96E-11	7.72E-09	1.69E-09	2.58E-09	1.72E-11	4.29E-09
1153	745217.2	4110530.23	1.96E-08	3.30E-08	3.63E-10	5.29E-08	3.04E-09	5.41E-09	5.45E-11	8.50E-09	2.96E-09	4.65E-09	6.92E-11	7.68E-09	1.68E-09	2.57E-09	1.71E-11	4.26E-09
1154	745221.93	4110554.17	1.95E-08	3.28E-08	3.61E-10	5.26E-08	3.02E-09	5.37E-09	5.42E-11	8.45E-09	2.94E-09	4.62E-09	6.88E-11	7.63E-09	1.67E-09	2.55E-09	1.70E-11	4.24E-09
1155	745226.67	4110578.11	1.94E-08	3.26E-08	3.59E-10	5.23E-08	3.00E-09	5.35E-09	5.39E-11	8.40E-09	2.92E-09	4.60E-09	6.84E-11	7.59E-09	1.66E-09	2.54E-09	1.69E-11	4.21E-09
1156	745217.87	4110622.36	1.93E-08	3.26E-08	3.59E-10	5.23E-08	3.00E-09	5.34E-09	5.38E-11	8.39E-09	2.92E-09	4.59E-09	6.83E-11	7.58E-09	1.66E-09	2.53E-09	1.69E-11	4.21E-09
1157	745204.33	4110642.66	1.94E-08	3.27E-08	3.60E-10	5.24E-08	3.01E-09	5.36E-09	5.40E-11	8.42E-09	2.93E-09	4.61E-09	6.86E-11	7.60E-09	1.66E-09	2.54E-09	1.69E-11	4.22E-09
1158	745190.79	4110662.96	1.95E-08	3.28E-08	3.61E-10	5.26E-08	3.02E-09	5.37E-09	5.42E-11	8.45E-09	2.94E-09	4.62E-09	6.88E-11	7.63E-09	1.67E-09	2.55E-09	1.70E-11	4.24E-09
1159	745177.25	4110683.27	1.96E-08	3.29E-08	3.63E-10	5.28E-08	3.03E-09	5.39E-09	5.44E-11	8.48E-09	2.95E-09	4.64E-09	6.91E-11	7.66E-09	1.68E-09	2.56E-09	1.70E-11	4.25E-09
1160	745163.72	4110703.57	1.96E-08	3.30E-08	3.64E-10	5.30E-08	3.05E-09	5.42E-09	5.46E-11	8.52E-09	2.96E-09	4.66E-09	6.94E-11	7.69E-09	1.68E-09	2.57E-09	1.71E-11	4.27E-09
1161	745150.18	4110723.88	1.97E-08	3.32E-08	3.66E-10	5.33E-08	3.06E-09	5.45E-09	5.49E-11	8.57E-09	2.98E-09	4.69E-09	6.98E-11	7.74E-09	1.69E-09	2.59E-09	1.72E-11	4.30E-09
1162	745136.64	4110744.18	1.99E-08	3.34E-08	3.68E-10	5.36E-08	3.08E-09	5.48E-09	5.52E-11	8.61E-09	2.99E-09	4.71E-09	7.01E-11	7.78E-09	1.70E-09	2.60E-09	1.73E-11	4.32E-09
1163	745123.1	4110764.48	2.00E-08	3.36E-08	3.71E-10	5.40E-08	3.10E-09	5.52E-09	5.56E-11	8.67E-09	3.01E-09	4.75E-09	7.06E-11	7.83E-09	1.71E-09	2.62E-09	1.74E-11	4.35E-09
1164	745109.56	4110784.79	2.01E-08	3.39E-08	3.74E-10	5.44E-08	3.12E-09	5.56E-09	5.60E-11	8.74E-09	3.04E-09	4.78E-09	7.12E-11	7.89E-09	1.73E-09	2.64E-09	1.75E-11	4.38E-09
1165	745096.02	4110805.09	2.03E-08	3.42E-08	3.77E-10	5.49E-08	3.15E-09	5.61E-09	5.66E-11	8.82E-09	3.07E-09	4.83E-09	7.18E-11	7.97E-09	1.74E-09	2.66E-09	1.77E-11	4.42E-09
1166	745082.48	4110825.4	2.06E-08	3.46E-08	3.81E-10	5.55E-08	3.19E-09	5.67E-09	5.72E-11	8.92E-09	3.10E-09	4.88E-09	7.26E-11	8.05E-09	1.76E-09	2.69E-09	1.79E-11	4.47E-09
1167	745068.94	4110845.7	2.08E-08	3.50E-08	3.85E-10	5.61E-08	3.22E-09	5.73E-09	5.78E-11	9.01E-09	3.13E-09	4.93E-09	7.34E-11	8.14E-09	1.78E-09	2.72E-09	1.81E-11	4.52E-09
1168	745055.4	4110866	2.11E-08	3.54E-08	3.90E-10	5.69E-08	3.26E-09	5.81E-09	5.86E-11	9.13E-09	3.17E-09	5.00E-09	7.44E-11	8.25E-09	1.80E-09	2.76E-09	1.83E-11	4.58E-09
1169	745041.86	4110886.31	2.13E-08	3.59E-08	3.96E-10	5.76E-08	3.31E-09	5.89E-09	5.94E-11	9.26E-09	3.22E-09	5.07E-09	7.54E-11	8.36E-09	1.83E-09	2.79E-09	1.86E-11	4.64E-09
1170	745028.33	4110906.61	2.16E-08	3.64E-08	4.01E-10	5.84E-08	3.35E-09	5.97E-09	6.02E-11	9.38E-09	3.26E-09	5.13E-09	7.64E-11	8.47E-09	1.85E-09	2.83E-09	1.88E-11	4.70E-09
1171	745014.79	4110926.91	2.19E-08	3.69E-08	4.06E-10	5.92E-08	3.40E-09	6.04E-09	6.09E-11	9.50E-09	3.30E-09	5.20E-09	7.74E-11	8.58E-09	1.88E-09	2.87E-09	1.91E-11	4.76E-09
1172	745001.25	4110947.22	2.22E-08	3.73E-08	4.11E-10	5.99E-08	3.44E-09	6.12E-09	6.17E-11	9.62E-09	3.34E-09	5.26E-09	7.83E-11	8.69E-09	1.90E-09	2.90E-09	1.93E-11	4.82E-09
1173	744987.71	4110967.52	2.24E-08	3.77E-08	4.16E-10	6.06E-08	3.48E-09	6.18E-09	6.24E-11	9.72E-09	3.38E-09	5.32E-09	7.92E-11	8.78E-09	1.92E-09	2.94E-09	1.95E-11	4.88E-09
1174	744974.17	4110987.83	2.26E-08	3.81E-08	4.20E-10	6.11E-08	3.51E-09	6.24E-09	6.30E-11	9.81E-09	3.41E-09	5.37E-09	7.99E-11	8.86E-09	1.94E-09	2.96E-09	1.97E-11	4.92E-09
1175	744960.63	4111008.13	2.28E-08	3.83E-08	4.22E-10	6.15E-08	3.53E-09	6.28E-09	6.34E-11	9.88E-09	3.43E-09	5.41E-09	8.05E-11	8.92E-09	1.95E-09	2.98E-09	1.98E-11	4.95E-09
1176	744947.09	4111028.43	2.29E-08	3.85E-08	4.25E-10	6.18E-08	3.55E-09	6.31E-09	6.37E-11	9.93E-09	3.45E-09	5.43E-09	8.08E-11	8.97E-09	1.96E-09	3.00E-09	1.99E-11	4.98E-09
1177	744933.55	4111048.74	2.29E-08	3.86E-08	4.25E-10	6.19E-08	3.55E-09	6.32E-09	6.38E-11	9.94E-09	3.46E-09	5.44E-09	8.10E-11	8.98E-09	1.96E-09	3.00E-09	2.00E-11	4.99E-09
1178	744920.01	4111069.04	2.29E-08	3.85E-08	4.25E-10	6.18E-08	3.55E-09	6.31E-09	6.37E-11	9.93E-09	3.45E-09	5.43E-09	8.08E-11	8.97E-09	1.96E-09	3.00E-09	1.99E-11	4.98E-09
1179	744906.48	4111089.35	2.28E-08	3.83E-08	4.22E-10	6.15E-08	3.53E-09	6.28E-09	6.34E-11	9.88E-09	3.43E-09	5.41E-09	8.05E-11	8.92E-09	1.95E-09	2.98E-09	1.98E-11	4.95E-09
1180	744892.94	4111109.65	2.26E-08	3.80E-08	4.19E-10	6.11E-08	3.51E-09	6.24E-09	6.29E-11	9.81E-09	3.41E-09	5.37E-09	7.99E-11	8.86E-09	1.94E-09	2.96E-09	1.97E-11	4.92E-09
1181	744879.4	4111129.95	2.24E-08	3.76E-08	4.15E-10	6.04E-08	3.47E-09	6.17E-09	6.22E-11	9.70E-09	3.37E-09	5.31E-09	7.90E-11	8.76E-09	1.92E-09	2.93E-09	1.95E-11	4.86E-09
1182	744865.86	4111150.26	2.21E-08	3.71E-08	4.09E-10	5.96E-08	3.42E-09	6.09E-09	6.14E-11	9.57E-09	3.33E-09	5.24E-09	7.79E-11	8.64E-09	1.89E-09	2.89E-09	1.92E-11	4.80E-09
1183	744852.32	4111170.56	2.17E-08	3.65E-08	4.03E-10	5.86E-08	3.37E-09	5.99E-09	6.04E-11	9.42E-09	3.27E-09	5.15E-09	7.67E-11	8.50E-09	1.86E-09	2.84E-09	1.89E-11	4.72E-09
1184	744838.78	4111190.87	2.13E-08	3.59E-08	3.95E-10	5.76E-08	3.31E-09	5.88E-09	5.93E-11	9.24E-09	3.21E-09	5.06E-09	7.53E-11	8.35E-09	1.83E-09	2.79E-09	1.86E-11	4.64E-09
1185	744825.24	4111211.17	2.09E-08	3.51E-08	3.87E-10	5.64E-08	3.24E-09	5.76E-09	5.81E-11	9.06E-09	3.15E-09	4.96E-09	7.38E-11	8.18E-09	1.79E-09	2.73E-09	1.82E-11	4.54E-09
1186	744811.7	4111231.47	2.04E-08	3.44E-08	3.79E-10	5.52E-08	3.17E-09	5.64E-09	5.69E-11	8.86E-09	3.08E-09	4.85E-09	7.22E-11	8.01E-09	1.75E-09	2.68E-09	1.78E-11	4.45E-09
1187	744798.16	4111251.78	2.00E-08	3.36E-08	3.71E-10	5.40E-08	3.10E-09	5.51E-09	5.56E-11	8.67E-09	3.01E-09	4.74E-09	7.06E-11	7.83E-09	1.71E-09	2.62E-09	1.74E-11	4.35E-09
1188	744784.63	4111272.08	1.97E-08	3.32E-08	3.66E-10	5.33E-08	3.06E-09	5.45E-09	5.49E-11	8.56E-09	2.98E-09	4.69E-09	6.97E-11	7.73E-09	1.69E-09	2.58E-09	1.72E-11	4.29E-09
1189	744771.09	4111292.39	1.94E-08	3.26E-08	3.59E-10	5.23E-08	3.00E-09	5.34E-09	5.38E-11	8.39E-09	2.92E-09	4.59E-09	6.84E-11	7.58E-09	1.66E-09	2.53E-09	1.69E-11	4.21E-09
1190	744757.55	4111312.69	1.90E-08	3.19E-08	3.52E-10	5.13E-08	2.94E-09	5.23E-09	5.28E-11	8.23E-09	2.86E-09	4.50E-09	6.70E-11	7.43E-09	1.63E-09	2.48E-09	1.65E-11	4.13E-09
1191	744744.01	4111332.99	1.86E-08	3.13E-08	3.45E-10	5.03E-08	2.89E-09	5.14E-09	5.18E-11	8.08E-09	2.81E-09	4.42E-09	6.58E-11	7.29E-09	1.60E-09	2.44E-09	1.62E-11	4.05E-09
1192	744730.47	4111353.3	1.83E-08	3.08E-08	3.39E-10	4.94E-08	2.84E-09	5.04E-09	5.09E-11	7.93E-09	2.76E-09	4.34E-09	6.46E-11	7.16E-09	1.57E-09	2.39E-09	1.59E-11	3.98E-09
1193	744716.93	4111373.6	1.80E-08	3.02E-08	3.33E-10	4.85E-08	2.79E-09	4.96E-09	5.00E-11	7.80E-09	2.71E-09	4.27E-09	6.35E-11	7.04E-09	1.54E-09	2.35E-09	1.57E-11	3.91E-09
1194	744703.39	4111393.91	1.77E-08	2.98E-08	3.28E-10	4.78E-08	2.74E-09	4.88E-09	4.92E-11	7.67E-09	2.67E-09	4.20E-09	6.25E-11	6.93E-09	1.52E-09	2.32E-09	1.54E-11	3.85E-09
1195	744689.85	4111414.21	1.74E-08	2.94E-08	3.24E-10	4.71E-08	2.71E-09	4.81E-09	4.85E-11	7.57E-09	2.63E-09	4.14E-09	6.16E-11	6.84E-09	1.50E-09	2.28E-09	1.52E-11	3.80E-09
1196	744676.31	4111434.51	1.72E-08	2.90E-08	3.20E-10	4.66E-08	2.67E-09	4.76E-09	4.80E-11	7.48E-09	2.60E-09	4.09E-09	6.09E-11	6.75E-09	1.48E-09	2.26E-09	1.50E-11	3.75E-09
1197	744662.77	4111454.82	1.71E-08	2.87E-08	3.17E-10	4.61E-08	2.65E-09	4.71E-09	4.75E-11	7.40E-09	2.57E-09	4.05E-09	6.03E-11	6.69E-09	1.46E-09	2.24E-09	1.49E-11	3.71E-09
1198	744649.24	4111475.12	1.69E-08	2.85E-08	3.14E-10	4.57E-08	2.62E-09	4.67E-09	4.71E-11	7.34E-09	2.55E-09	4.02E-09	5.98E-11	6.63E-09	1.45E-09	2.22E-09	1.47E-11	3.68E-09
1199	744635.7	4111495.43	1.68E-08	2.83E-08	3.12E-10	4.54E-08	2.61E-09	4.64E-09	4.68E-11	7.30E-09	2.54E-09	3.99E-09	5.94E-11	6.59E-09	1.44E-09	2.20E-09	1.47E-11	3.66E-09
1200	744622.16	4111515.73	1.67E-08	2.82E-08	3.11E-10	4.52E-08	2.60E-09	4.62E-09	4.66E-11	7.26E-09	2.52E-09	3.97E-09	5.91E-11	6.56E-09	1.43E-09	2.19E-09	1.46E-11	3.64E-09
1201	744608.62	4111536.03	1.67E-08	2.81E-08	3.09E-10	4.51E-08	2.59E-09	4.60E-09	4.64E-11	7.24E-09	2.52E-09	3.96E-09	5.89E-11	6.54E-09	1.43E-09	2.18E-09	1.45E-11	3.63E-09
1202	744595.08	4111556.34	1.66E-08	2.80E-08	3.09E-10	4.50E-08	2.58E-09	4.59E-09	4.63E-11	7.22E-09	2.51E-09	3.95E-09	5.88E-11	6.52E-09	1.43E-09	2.18E-09	1.45E-11	3.62E-09
1203	744581.54	4111576.64	1.65E-08	2.78E-08	3.06E-10	4.45E-08	2.56E-09	4.55E-09	4.59E-11	7.15E-09	2.49E-09	3.91E-09	5.83E-11	6.46E-09	1.41E-09	2.16E-09	1.44E-11	3.59E-09
1204	744568	4111596.95	1.66E-08	2.79E-08	3.08E-10	4.49E-08	2.58E-09	4.58E-09	4.62E-11	7.20E-09	2.50E-09	3.94E-09	5.87E-11	6.51E-09	1.42E-09	2.17E-09	1.45E-11	3.61E-09
1205	744554.46	4111617.25	1.66E-08	2.79E-08	3.08E-10	4.48E-08	2.57E-09	4.58E-09	4.62E-11	7.20E-09	2.50E-09	3.94E-09	5.86E-11	6.50E-09	1.42E-09	2.17E-09	1.45E-11	3.61E-09
1206	744540.92	4111637.55	1.66E-08	2.79E-08	3.08E-10	4.48E-08	2.57E-09	4.58E-09	4.61E-11	7.19E-09	2.50E-09	3.94E-09	5.86E-11	6.50E-09	1.42E-09	2.17E-09	1.44E-11	3.61E-09
1207	744527.39	4111657.86	1.66E-08	2.79E-08	3.08E-10	4.48E-08	2.57E-09	4.58E-09	4.62E-11	7.20E-09	2.50E-09	3.94E-09	5.86E-11	6.50E-09	1.42E-09	2.17E-09	1.45E-11	3.61E-09
1208	744513.85	4111678.16	1.66E-08	2.79E-08	3.08E-10	4.48E-08	2.57E-09	4.58E-09	4.62E-11	7.20E-09	2.50E-09	3.94E-09	5.86E-11	6.50E-09	1.42E-09	2.17E-09	1.45E-11	3.61E-09
1209	744500.31	4111698.47	1.66E-08	2.79E-08	3.08E-10	4.48E-08	2.57E-09	4.58E-09	4.62E-11	7.20E-09	2.50E-09	3.94E-09	5.86E-11	6.50E-09	1.42E-09	2.17E-09	1.45E-11	3.61E-09
1210	744486.77	4111718.77	1.65E-08	2.78E-08	3.06E-10	4.46E-08	2.56E-09	4.56E-09	4.59E-11	7.16E-09	2.49E-09	3.92E-09	5.83E-11	6.47E-09	1.42E-09	2.16E-09	1.44E-11	3.59E-09
1211	744473.23	4111739.07	1.66E-08	2.79E-08	3.07E-10	4.47E-08	2.57E-09	4.57E-09	4.61E-11	7.18E-09	2.50E-09	3.93E-09	5.85E-11	6.49E-09	1.42E-09	2.17E-09	1.44E-11	3.60E-09
1212	744459.69	4111759.38	1.65E-08	2.78E-08	3.07E-10	4.47E-08	2.56E-09	4.56E-09	4.60E-11	7.17E-09	2.49E-09	3.93E-09	5.84E-11	6.48E-09	1.42E-09	2.17E-09	1.44E-11	3.60E-09
1213	744446.15	4111779.68	1.65E-08	2.78E-08	3.06E-10	4.46E-08	2.56E-09	4.56E-09	4.60E-11	7.17E-09	2.49E-09	3.92E-09	5.84E-11	6.47E-09	1.42E-09	2.16E-09	1.44E-11	3.59E-09
1214	744432.61	4111799.98	1.65E-08	2.78E-08	3.06E-10	4.46E-08	2.56E-09	4.56E-09	4.60E-11	7.17E-09	2.49E-09	3.92E-09	5.84E-11	6.47E-09	1.42E-09	2.16E-09	1.44E-11	3.59E-09
1215	744419.07	4111820.29	1.65E-08	2.78E-08	3.07E-10	4.47E-08	2.56E-09	4.56E-09	4.60E-11	7.17E-09	2.49E-09	3.93E-09	5.84E-11	6.48E-09	1.42E-09	2.17E-09	1.44E-11	3.60E-09
1216	744405.53	4111840.59	1.66E-08	2.79E-08	3.08E-10	4.48E-08	2.57E-09	4.58E-09	4.62E-11	7.20E-09	2.50E-09	3.94E-09	5.86E-11	6.50E-09	1.42E-09	2.17E-09	1.45E-11	3.61E-09
1217	744392	4111860.9	1.67E-08	2.81E-08	3.10E-10	4.51E-08	2.59E-09	4.61E-09	4.65E-11	7.25E-09	2.52E-09	3.97E-09	5.90E-11	6.55E-09	1.43E-09	2.19E-09	1.46E-11	3.63E-09
1218	744378.46	4111881.2	1.69E-08	2.84E-08	3.13E-10	4.55E-08	2.61E-09	4.65E-09	4.69E-11	7.31E-09	2.54E-09	4.00E-09	5.96E-11	6.60E-09	1.44E-09	2.21E-09	1.47E-11	3.67E-09
1219	744364.92	4111901.5	1.71E-08	2.87E-08	3.16E-10	4.61E-08	2.64E-09	4.71E-09	4.74E-11	7.40E-09	2.57E-09	4.05E-09	6.02E-11	6.68E-09	1.46E-09	2.23E-09	1.49E-11	3.71E-09
1220	744351.38	4111921.81	1.73E-08	2.91E-08	3.21E-10	4.67E-08	2.68E-09	4.77E-09	4.81E-11	7.50E-09	2.61E-09	4.10E-09	6.10E-11	6.77E-09	1.48E-09	2.26E-09	1.51E-11	3.76E-09
1221	744337.84	4111942.11	1.76E-08	2.95E-08	3.26E-10	4.74E-08	2.72E-09	4.84E-09	4.89E-11	7.62E-09	2.65E-09	4.17E-09	6.20E-11	6.88E-09	1.50E-09	2.30E-09	1.53E-11	3.82E-09
1222	744324.3	4111962.42	1.79E-08	3.01E-08	3.31E-10	4.83E-08	2.77E-09	4.93E-09	4.97E-11	7.75E-09	2.69E-09	4.24E-09	6.31E-11	7.00E-09	1.53E-09	2.34E-09	1.56E-11	3.89E-09
1223	744310.76	4111982.72	1.82E-08	3.07E-08	3.38E-10	4.92E-08	2.82E-09	5.03E-09	5.07E-11	7.90E-09	2.75E-09	4.32E-09	6.43E-11	7.14E-09	1.56E-09	2.39E-09	1.59E-11	3.96E-09
1224	744297.22	4112003.02	1.86E-08	3.12E-08	3.44E-10	5.02E-08	2.88E-09	5.12E-09	5.17E-11	8.05E-09	2.80E-09	4.41E-09	6.56E-11	7.27E-09	1.59E-09	2.43E-09	1.62E-11	4.04E-09
1225	744283.68	4112023.33	1.89E-08	3.19E-08	3.51E-10	5.12E-08	2.94E-09	5.23E-09	5.27E-11	8.22E-09	2.86E-09	4.50E-09	6.69E-11	7.42E-09	1.62E-09	2.48E-09	1.65E-11	4.12E-09
1226	744270.15	4112043.63	1.93E-08	3.25E-08	3.58E-10	5.21E-08	2.99E-09	5.32E-09	5.37E-11	8.37E-09	2.91E-09	4.58E-09	6.82E-11	7.56E-09	1.65E-09	2.53E-09	1.68E-11	4.20E-09
1227	744256.61	4112063.94	1.96E-08	3.30E-08	3.64E-10	5.30E-08	3.04E-09	5.41E-09	5.46E-11	8.51E-09	2.96E-09	4.66E-09	6.93E-11	7.69E-09	1.68E-09	2.57E-09	1.71E-11	4.27E-09
1228	744243.07	4112084.24	1.99E-08	3.35E-08	3.69E-10	5.38E-08	3.09E-09	5.49E-09	5.54E-11	8.64E-09	3.00E-09	4.73E-09	7.04E-11	7.80E-09	1.71E-09	2.61E-09	1.74E-11	4.33E-09

1229	744229.53	4112104.54	2.02E-08	3.39E-08	3.74E-10	5.44E-08	3.12E-09	5.56E-09	5.61E-11	8.74E-09	3.04E-09	4.78E-09	7.12E-11	7.89E-09	1.73E-09	2.64E-09	1.76E-11	4.38E-09
1230	744215.99	4112124.85	2.03E-08	3.42E-08	3.77E-10	5.49E-08	3.15E-09	5.61E-09	5.65E-11	8.81E-09	3.06E-09	4.82E-09	7.18E-11	7.96E-09	1.74E-09	2.66E-09	1.77E-11	4.42E-09
1231	744202.45	4112145.15	2.04E-08	3.43E-08	3.78E-10	5.51E-08	3.16E-09	5.63E-09	5.67E-11	8.85E-09	3.08E-09	4.84E-09	7.20E-11	7.99E-09	1.75E-09	2.67E-09	1.78E-11	4.44E-09
1232	744188.91	4112165.46	2.04E-08	3.43E-08	3.78E-10	5.51E-08	3.16E-09	5.62E-09	5.67E-11	8.84E-09	3.07E-09	4.84E-09	7.20E-11	7.99E-09	1.75E-09	2.67E-09	1.78E-11	4.43E-09
1233	744175.37	4112185.76	2.03E-08	3.41E-08	3.76E-10	5.48E-08	3.14E-09	5.59E-09	5.64E-11	8.80E-09	3.06E-09	4.81E-09	7.16E-11	7.94E-09	1.74E-09	2.66E-09	1.77E-11	4.41E-09
1234	744161.83	4112206.06	2.01E-08	3.38E-08	3.72E-10	5.42E-08	3.11E-09	5.54E-09	5.58E-11	8.70E-09	3.03E-09	4.76E-09	7.09E-11	7.86E-09	1.72E-09	2.63E-09	1.75E-11	4.36E-09
1235	744148.29	4112226.37	1.98E-08	3.32E-08	3.66E-10	5.34E-08	3.06E-09	5.45E-09	5.50E-11	8.57E-09	2.98E-09	4.69E-09	6.98E-11	7.74E-09	1.69E-09	2.59E-09	1.72E-11	4.30E-09
1236	744134.76	4112246.67	1.94E-08	3.26E-08	3.59E-10	5.23E-08	3.00E-09	5.34E-09	5.38E-11	8.39E-09	2.92E-09	4.59E-09	6.84E-11	7.58E-09	1.66E-09	2.53E-09	1.69E-11	4.21E-09
1237	744121.22	4112266.98	1.89E-08	3.17E-08	3.50E-10	5.09E-08	2.92E-09	5.20E-09	5.25E-11	8.18E-09	2.84E-09	4.48E-09	6.66E-11	7.39E-09	1.62E-09	2.47E-09	1.64E-11	4.10E-09
1238	744107.68	4112287.28	1.83E-08	3.08E-08	3.39E-10	4.94E-08	2.84E-09	5.04E-09	5.09E-11	7.93E-09	2.76E-09	4.34E-09	6.46E-11	7.16E-09	1.57E-09	2.39E-09	1.59E-11	3.98E-09
1239	744094.14	4112307.58	1.76E-08	2.97E-08	3.27E-10	4.77E-08	2.74E-09	4.87E-09	4.91E-11	7.65E-09	2.66E-09	4.19E-09	6.23E-11	6.91E-09	1.51E-09	2.31E-09	1.54E-11	3.84E-09
1240	744080.6	4112327.89	1.70E-08	2.85E-08	3.14E-10	4.58E-08	2.63E-09	4.68E-09	4.72E-11	7.35E-09	2.56E-09	4.02E-09	5.99E-11	6.64E-09	1.45E-09	2.22E-09	1.48E-11	3.69E-09
1241	744067.06	4112348.19	1.62E-08	2.72E-08	3.00E-10	4.37E-08	2.51E-09	4.46E-09	4.50E-11	7.01E-09	2.44E-09	3.84E-09	5.71E-11	6.33E-09	1.38E-09	2.12E-09	1.41E-11	3.52E-09
1242	744053.52	4112368.5	1.54E-08	2.59E-08	2.85E-10	4.15E-08	2.38E-09	4.24E-09	4.27E-11	6.66E-09	2.32E-09	3.65E-09	5.43E-11	6.02E-09	1.32E-09	2.01E-09	1.34E-11	3.34E-09
1243	744039.98	4112388.8	1.46E-08	2.45E-08	2.70E-10	3.94E-08	2.26E-09	4.02E-09	4.05E-11	6.32E-09	2.20E-09	3.46E-09	5.15E-11	5.71E-09	1.25E-09	1.91E-09	1.27E-11	3.17E-09
1244	744026.44	4112409.1	1.38E-08	2.32E-08	2.56E-10	3.73E-08	2.14E-09	3.81E-09	3.84E-11	5.98E-09	2.08E-09	3.28E-09	4.87E-11	5.40E-09	1.18E-09	1.81E-09	1.20E-11	3.00E-09
1245	744012.91	4112429.41	1.31E-08	2.20E-08	2.42E-10	3.53E-08	2.03E-09	3.60E-09	3.63E-11	5.67E-09	1.97E-09	3.10E-09	4.61E-11	5.12E-09	1.12E-09	1.71E-09	1.14E-11	2.84E-09
1246	743999.37	4112449.71	1.24E-08	2.08E-08	2.30E-10	3.34E-08	1.92E-09	3.42E-09	3.45E-11	5.37E-09	1.87E-09	2.94E-09	4.37E-11	4.85E-09	1.06E-09	1.62E-09	1.08E-11	2.69E-09
1247	743985.83	4112470.02	1.18E-08	1.98E-08	2.19E-10	3.18E-08	1.83E-09	3.25E-09	3.28E-11	5.11E-09	1.78E-09	2.80E-09	4.16E-11	4.62E-09	1.01E-09	1.54E-09	1.03E-11	2.56E-09
1248	743972.29	4112490.32	1.13E-08	1.90E-08	2.09E-10	3.04E-08	1.75E-09	3.11E-09	3.14E-11	4.89E-09	1.70E-09	2.68E-09	3.98E-11	4.42E-09	9.66E-10	1.48E-09	9.82E-12	2.45E-09
1249	743958.75	4112510.62	1.08E-08	1.82E-08	2.01E-10	2.92E-08	1.68E-09	2.99E-09	3.01E-11	4.70E-09	1.63E-09	2.57E-09	3.82E-11	4.24E-09	9.28E-10	1.42E-09	9.43E-12	2.35E-09
1250	743945.21	4112530.93	1.05E-08	1.76E-08	1.94E-10	2.83E-08	1.62E-09	2.89E-09	2.91E-11	4.54E-09	1.58E-09	2.48E-09	3.70E-11	4.10E-09	8.97E-10	1.37E-09	9.12E-12	2.28E-09
1251	743931.67	4112551.23	1.02E-08	1.71E-08	1.89E-10	2.75E-08	1.58E-09	2.81E-09	2.83E-11	4.42E-09	1.54E-09	2.42E-09	3.60E-11	3.99E-09	8.73E-10	1.33E-09	8.87E-12	2.22E-09
1252	744771.82	4108279.91	4.98E-08	8.38E-08	9.24E-10	1.35E-07	7.72E-09	1.37E-08	1.39E-10	2.16E-08	7.51E-09	1.18E-08	1.76E-10	1.95E-08	4.27E-09	6.52E-09	4.34E-11	1.08E-08
1253	744758.27	4108259.55	4.98E-08	8.38E-08	9.24E-10	1.34E-07	7.72E-09	1.37E-08	1.39E-10	2.16E-08	7.51E-09	1.18E-08	1.76E-10	1.95E-08	4.27E-09	6.52E-09	4.34E-11	1.08E-08
1254	744744.72	4108239.19	4.98E-08	8.37E-08	9.23E-10	1.34E-07	7.72E-09	1.37E-08	1.38E-10	2.16E-08	7.50E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.52E-09	4.34E-11	1.08E-08
1255	744731.18	4108218.83	4.97E-08	8.37E-08	9.22E-10	1.34E-07	7.71E-09	1.37E-08	1.38E-10	2.16E-08	7.50E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.51E-09	4.33E-11	1.08E-08
1256	744717.63	4108198.47	4.96E-08	8.35E-08	9.21E-10	1.34E-07	7.70E-09	1.37E-08	1.38E-10	2.15E-08	7.49E-09	1.18E-08	1.75E-10	1.94E-08	4.25E-09	6.50E-09	4.32E-11	1.08E-08
1257	744704.08	4108178.1	4.95E-08	8.33E-08	9.18E-10	1.34E-07	7.68E-09	1.37E-08	1.38E-10	2.15E-08	7.47E-09	1.18E-08	1.75E-10	1.94E-08	4.24E-09	6.48E-09	4.31E-11	1.08E-08
1258	744690.53	4108157.74	4.93E-08	8.30E-08	9.15E-10	1.33E-07	7.65E-09	1.36E-08	1.37E-10	2.14E-08	7.44E-09	1.17E-08	1.74E-10	1.93E-08	4.23E-09	6.46E-09	4.30E-11	1.07E-08
1259	744676.98	4108137.38	4.91E-08	8.26E-08	9.11E-10	1.33E-07	7.62E-09	1.35E-08	1.37E-10	2.13E-08	7.41E-09	1.17E-08	1.73E-10	1.92E-08	4.21E-09	6.43E-09	4.28E-11	1.07E-08
1260	744663.43	4108117.02	4.88E-08	8.21E-08	9.05E-10	1.32E-07	7.57E-09	1.35E-08	1.36E-10	2.12E-08	7.36E-09	1.16E-08	1.72E-10	1.91E-08	4.18E-09	6.39E-09	4.25E-11	1.06E-08
1261	742069.08	4109813.33	3.55E-06	5.98E-06	6.59E-08	9.60E-06	5.51E-07	9.81E-07	9.89E-09	1.54E-06	5.36E-07	8.44E-07	1.26E-08	1.39E-06	3.05E-07	4.66E-07	3.10E-09	7.73E-07
1262	742048.44	4109826.58	3.87E-06	6.51E-06	7.18E-08	1.05E-05	6.00E-07	1.07E-06	1.08E-08	1.68E-06	5.83E-07	9.19E-07	1.37E-08	1.52E-06	3.32E-07	5.07E-07	3.37E-09	8.42E-07
1263	742027.8	4109839.84	4.16E-06	7.01E-06	7.72E-08	1.12E-05	6.46E-07	1.15E-06	1.16E-08	1.81E-06	6.28E-07	9.89E-07	1.47E-08	1.63E-06	3.57E-07	5.45E-07	3.63E-09	9.06E-07
1264	742007.16	4109853.1	4.48E-06	7.54E-06	8.31E-08	1.21E-05	6.95E-07	1.24E-06	1.25E-08	1.94E-06	6.76E-07	1.06E-06	1.58E-08	1.76E-06	3.84E-07	5.87E-07	3.90E-09	9.75E-07
1265	741986.53	4109866.35	4.76E-06	8.01E-06	8.82E-08	1.29E-05	7.38E-07	1.31E-06	1.32E-08	2.06E-06	7.17E-07	1.13E-06	1.68E-08	1.86E-06	4.08E-07	6.23E-07	4.14E-09	1.03E-06
1266	741965.89	4109879.61	4.97E-06	8.36E-06	9.22E-08	1.34E-05	7.71E-07	1.37E-06	1.38E-08	2.16E-06	7.49E-07	1.18E-06	1.76E-08	1.95E-06	4.26E-07	6.51E-07	4.33E-09	1.08E-06
1267	741945.25	4109892.87	5.14E-06	8.64E-06	9.52E-08	1.39E-05	7.96E-07	1.42E-06	1.43E-08	2.23E-06	7.74E-07	1.22E-06	1.81E-08	2.01E-06	4.40E-07	6.72E-07	4.47E-09	1.12E-06
1268	742074.2	4109788.86	2.50E-06	4.20E-06	4.63E-08	6.74E-06	3.87E-07	6.89E-07	6.94E-09	1.08E-06	3.76E-07	5.93E-07	8.82E-09	9.78E-07	2.14E-07	3.27E-07	2.17E-09	5.43E-07
1269	742034.93	4109805.55	2.52E-06	4.24E-06	4.67E-08	6.80E-06	3.90E-07	6.94E-07	7.00E-09	1.09E-06	3.80E-07	5.97E-07	8.89E-09	9.86E-07	2.16E-07	3.30E-07	2.19E-09	5.47E-07
1270	742014.29	4109818.8	2.67E-06	4.48E-06	4.94E-08	7.20E-06	4.13E-07	7.35E-07	7.41E-09	1.16E-06	4.02E-07	6.33E-07	9.41E-09	1.04E-06	2.28E-07	3.49E-07	2.32E-09	5.80E-07
1271	741993.65	4109832.06	2.82E-06	4.75E-06	5.23E-08	7.62E-06	4.38E-07	7.78E-07	7.85E-09	1.22E-06	4.25E-07	6.70E-07	9.97E-09	1.11E-06	2.42E-07	3.69E-07	2.46E-09	6.14E-07
1272	741973.01	4109845.32	2.99E-06	5.04E-06	5.55E-08	8.09E-06	4.64E-07	8.26E-07	8.33E-09	1.30E-06	4.52E-07	7.11E-07	1.06E-08	1.17E-06	2.57E-07	3.92E-07	2.61E-09	6.51E-07
1273	741952.38	4109858.57	3.16E-06	5.32E-06	5.87E-08	8.55E-06	4.91E-07	8.73E-07	8.80E-09	1.37E-06	4.77E-07	7.51E-07	1.12E-08	1.24E-06	2.71E-07	4.14E-07	2.76E-09	6.88E-07
1274	741931.74	4109871.83	3.30E-06	5.56E-06	6.13E-08	8.92E-06	5.12E-07	9.11E-07	9.19E-09	1.43E-06	4.98E-07	7.84E-07	1.17E-08	1.29E-06	2.83E-07	4.33E-07	2.88E-09	7.18E-07
1275	742060.69	4109767.82	1.81E-06	3.05E-06	3.36E-08	4.89E-06	2.81E-07	5.00E-07	5.04E-09	7.85E-07	2.73E-07	4.30E-07	6.40E-09	7.09E-07	1.55E-07	2.37E-07	1.58E-09	3.94E-07
1276	742113.65	4109771.57	2.37E-06	3.98E-06	4.39E-08	6.39E-06	3.67E-07	6.53E-07	6.58E-09	1.03E-06	3.57E-07	5.62E-07	8.36E-09	9.27E-07	2.03E-07	3.10E-07	2.06E-09	5.15E-07
1277	742021.42	4109784.51	1.82E-06	3.06E-06	3.37E-08	4.91E-06	2.82E-07	5.01E-07	5.05E-09	7.88E-07	2.74E-07	4.31E-07	6.42E-09	7.11E-07	1.56E-07	2.38E-07	1.58E-09	3.95E-07
1278	742000.78	4109797.77	1.91E-06	3.21E-06	3.54E-08	5.15E-06	2.96E-07	5.26E-07	5.30E-09	8.27E-07	2.88E-07	4.53E-07	6.74E-09	7.47E-07	1.63E-07	2.50E-07	1.66E-09	4.15E-07
1279	741980.14	4109811.03	2.00E-06	3.37E-06	3.71E-08	5.40E-06	3.10E-07	5.52E-07	5.56E-09	8.67E-07	3.02E-07	4.75E-07	7.06E-09	7.83E-07	1.71E-07	2.62E-07	1.74E-09	4.35E-07
1280	741959.5	4109824.28	2.10E-06	3.54E-06	3.90E-08	5.68E-06	3.26E-07	5.80E-07	5.85E-09	9.13E-07	3.17E-07	4.99E-07	7.43E-09	8.24E-07	1.80E-07	2.75E-07	1.83E-09	4.58E-07
1281	741938.86	4109837.54	2.22E-06	3.73E-06	4.11E-08	5.99E-06	3.44E-07	6.12E-07	6.17E-09	9.62E-07	3.34E-07	5.27E-07	7.84E-09	8.69E-07	1.90E-07	2.90E-07	1.93E-09	4.82E-07
1282	741918.23	4109850.8	2.32E-06	3.91E-06	4.31E-08	6.28E-06	3.60E-07	6.41E-07	6.46E-09	1.01E-06	3.50E-07	5.52E-07	8.21E-09	9.10E-07	1.99E-07	3.04E-07	2.02E-09	5.05E-07
1283	742047.18	4109746.79	1.39E-06	2.34E-06	2.58E-08	3.76E-06	2.16E-07	3.84E-07	3.87E-09	6.03E-07	2.10E-07	3.30E-07	4.91E-09	5.45E-07	1.19E-07	1.82E-07	1.21E-09	3.03E-07
1284	742084.45	4109739.92	1.49E-06	2.52E-06	2.77E-08	4.04E-06	2.32E-07	4.12E-07	4.16E-09	6.48E-07	2.25E-07	3.55E-07	5.28E-09	5.86E-07	1.28E-07	1.96E-07	1.30E-09	3.25E-07
1285	742118.77	4109747.1	1.81E-06	3.05E-06	3.36E-08	4.89E-06	2.81E-07	4.99E-07	5.04E-09	7.85E-07	2.73E-07	4.30E-07	6.39E-09	7.09E-07	1.55E-07	2.37E-07	1.58E-09	3.94E-07
1286	742007.91	4109763.48	1.39E-06	2.34E-06	2.58E-08	3.76E-06	2.16E-07	3.84E-07	3.87E-09	6.04E-07	2.10E-07	3.31E-07	4.92E-09	5.45E-07	1.19E-07	1.82E-07	1.21E-09	3.03E-07
1287	741987.27	4109776.74	1.45E-06	2.45E-06	2.70E-08	3.93E-06	2.26E-07	4.01E-07	4.05E-09	6.31E-07	2.19E-07	3.45E-07	5.14E-09	5.70E-07	1.25E-07	1.90E-07	1.27E-09	3.16E-07
1288	741966.63	4109789.99	1.52E-06	2.56E-06	2.82E-08	4.11E-06	2.36E-07	4.19E-07	4.23E-09	6.59E-07	2.29E-07	3.61E-07	5.37E-09	5.96E-07	1.30E-07	1.99E-07	1.32E-09	3.31E-07
1289	741945.99	4109803.25	1.59E-06	2.67E-06	2.95E-08	4.29E-06	2.46E-07	4.38E-07	4.42E-09	6.89E-07	2.39E-07	3.77E-07	5.61E-09	6.22E-07	1.36E-07	2.08E-07	1.38E-09	3.45E-07
1290	741925.35	4109816.51	1.66E-06	2.80E-06	3.08E-08	4.49E-06	2.58E-07	4.59E-07	4.63E-09	7.21E-07	2.51E-07	3.95E-07	5.87E-09	6.51E-07	1.43E-07	2.18E-07	1.45E-09	3.62E-07
1291	741904.72	4109829.76	1.74E-06	2.93E-06	3.22E-08	4.70E-06	2.70E-07	4.80E-07	4.84E-09	7.54E-07	2.62E-07	4.13E-07	6.14E-09	6.81E-07	1.49E-07	2.28E-07	1.51E-09	3.78E-07
1292	742023.88	4109704.03	9.24E-07	1.55E-06	1.71E-08	2.50E-06	1.43E-07	2.55E-07	2.57E-09	4.01E-07	1.39E-07	2.19E-07	3.26E-09	3.62E-07	7.91E-08	1.21E-07	8.05E-10	2.01E-07
1293	742046.24	4109699.91	9.56E-07	1.61E-06	1.77E-08	2.58E-06	1.48E-07	2.64E-07	2.66E-09	4.15E-07	1.44E-07	2.27E-07	3.38E-09	3.75E-07	8.19E-08	1.25E-07	8.33E-10	2.08E-07
1294	742068.6	4109695.79	9.89E-07	1.66E-06	1.83E-08	2.67E-06	1.53E-07	2.73E-07	2.75E-09	4.29E-07	1.49E-07	2.35E-07	3.49E-09	3.87E-07	8.47E-08	1.29E-07	8.61E-10	2.15E-07
1295	742090.96	4109691.66	1.02E-06	1.71E-06	1.89E-08	2.75E-06	1.58E-07	2.81E-07	2.83E-09	4.42E-07	1.54E-07	2.42E-07	3.60E-09	3.99E-07	8.73E-08	1.33E-07	8.87E-10	2.22E-07
1296	742132.15	4109700.29	1.21E-06	2.04E-06	2.24E-08	3.27E-06	1.88E-07	3.34E-07	3.37E-09	5.25E-07	1.82E-07	2.87E-07	4.27E-09	4.74E-07	1.04E-07	1.58E-07	1.05E-09	2.63E-07
1297	742150.98	4109713.03	1.42E-06	2.39E-06	2.64E-08	3.84E-06	2.20E-07	3.92E-07	3.95E-09	6.17E-07	2.14E-07	3.37E-07	5.02E-09	5.57E-07	1.22E-07	1.86E-07	1.24E-09	3.09E-07
1298	742169.81	4109725.77	1.69E-06	2.84E-06	3.13E-08	4.55E-06	2.61E-07	4.65E-07	4.69E-09	7.31E-07	2.54E-07	4.00E-07	5.95E-09	6.60E-07	1.44E-07	2.21E-07	1.47E-09	3.67E-07
1299	742001.52	4109708.15	8.92E-07	1.50E-06	1.65E-08	2.41E-06	1.38E-07	2.46E-07	2.48E-09	3.87E-07	1.35E-07	2.12E-07	3.15E-09	3.49E-07	7.64E-08	1.17E-07	7.77E-10	1.94E-07
1300	741980.88	4109721.41	9.20E-07	1.55E-06	1.71E-08	2.49E-06	1.43E-07	2.54E-07	2.56E-09	3.99E-07	1.39E-07	2.18E-07	3.25E-09	3.61E-07	7.89E-08	1.21E-07	8.02E-10	2.00E-07
1301	741960.25	4109734.67	9.53E-07	1.60E-06	1.77E-08	2.58E-06	1.48E-07	2.63E-07	2.65E-09	4.13E-07	1.44E-07	2.26E-07	3.37E-09	3.73E-07	8.17E-08	1.25E-07	8.30E-10	2.07E-07
1302	741939.61	4109747.92	9.88E-07	1.66E-06	1.83E-08	2.67E-06	1.53E-07	2.73E-07	2.75E-09	4.29E-07	1.49E-07	2.35E-07	3.49E-09	3.87E-07	8.47E-08	1.29E-07	8.61E-10	2.15E-07
1303	741918.97	4109761.18	1.02E-06	1.72E-06	1.90E-08	2.76E-06	1.58E-07	2.82E-07	2.84E-09	4.43E-07	1.54E-07	2.43E-07	3.61E-09	4.00E-07	8.75E-08	1.34E-07	8.90E-10	2.22E-07
1304	741898.33	4109774.44	1.06E-06	1.78E-06	1.96E-08	2.85E-06	1.64E-07	2.91E-07	2.94E-09	4.58E-07	1.59E-07	2.51E-07	3.73E-09	4.14E-07	9.05E-08	1.38E-07	9.20E-10	2.30E-07
1305	741877.69	4109787.69	1.09E-06	1.84E-06	2.03E-08	2.96E-06	1.70E-07	3.02E-07	3.04E-09	4.75E-07	1.65E-07	2.60E-07	3.87E-09	4.29E-07	9.38E-08	1.43E-07	9.53E-10	2.38E-07
1306	741995.8	4109662.16	6.69E-07	1.13E-06	1.24E-08	1.81E-06	1.04E-07	1.85E-07	1.86E-09	2.90E-07	1.01E-07	1.59E-07	2.36E-09	2.62E-07	5.74E-08	8.77E-08	5.83E-10	1.46E-07
1307	742038.39	4109654.31	7.05E-07	1.19E-06	1.31E-08	1.90E-06	1.09E-07	1.94E-07	1.96E-09	3.06E-07	1.06E-07	1.67E-07	2.49E-09	2.76E-07	6.04E-08	9.23E-08	6.14E-10	1.53E-07
1308	742080.98	4109646.45	7.36E-07	1.24E-06	1.37E-08	1.99E-06	1.14E-07	2.03E-07	2.05E-09	3.19E-07	1.11E-07	1.75E-07	2.60E-09	2.88E-07	6.31E-08	9.64E-08	6.42E-10	1.60E-07
1309	742141.5	4109650.74	8.55E-07	1.44E-06	1.59E-08	2.31E-06	1.33E-07	2.36E-07	2.38E-09	3.71E-07	1.29E-07	2.03E-07	3.02E-09	3.35E-07	7.32E-08	1.12E-07	7.44E-10	1.86E-07
1310	742177.37	4109675.01	1.10E-06	1.85E-06	2.04E-08	2.97E-06	1.71E-07	3.04E-07	3.06E-09	4.77E-07	1.66E-07	2.61E-07	3.89E-09	4.31E-07	9.43E-08	1.44E-07	9.59E-10	2.39E-07
1311	742213.23	4109699.29	1.46E-06	2.45E-06	2.70E-08	3.93E-06	2.26E-07	4.02E-07	4.05E-09	6.32E-07	2.20E-07	3.46E-07	5.14E-09	5.71E-07	1.25E-07	1.91E-07	1.27E-09	3.17E-07
1312	741953.86	4109679.34	6.64E-07	1.12E-06	1.23E-08	1.79E-06	1.03E-07	1.83E-07	1.85E-09	2.88E-07	1.00E-07	1.58E-07	2.35E-09	2.60E-07	5.69E-08	8.70E-08	5.79E-10	1.45E-07
1313	741933.22	4109692.6	6.82E-07	1.15E-06	1.27E-08	1.84E-06	1.06E-07	1.88E-07	1.90E-09	2.96E-07	1.03E-07	1.62E-07	2.41E-09	2.67E-07	5.84E-08	8.93E-08	5.94E-10	1.48E-07
1314	741912.59	4109705.85	7.02E-07	1.18E-06	1.30E-08	1.90E-06	1.09E-07	1.94E-07	1.95E-09	3.05E-07	1.06E-07	1.67E-07	2.48E-09	2.75E-07	6.02E-08	9.20E-08	6.12E-10	1.53E-07
1315	741891.95	4109719.11	7.23E-07	1.22E-06	1.34E-08	1.95E-06	1.12E-07	1.99E-07	2.01E-09	3.14E-07	1.09E-07	1.72E-07	2.55E-09	2.83E-07	6.19E-08	9.46E-08	6.30E-10	1.57E-07
1316	741871.31	4109732.37	7.43E-07	1.25E-06	1.38E-08	2.01E-06	1.15E-07	2.05E-07	2.07E-09	3.22E-07	1.12E-07	1.76E-07	2.62E-09	2.91E-07	6.37E-08	9.73E-08	6.47E-10	1.62E-07

1317	741850.67	4109745.62	7.64E-07	1.29E-06	1.42E-08	2.06E-06	1.18E-07	2.11E-07	2.13E-09	3.31E-07	1.15E-07	1.81E-07	2.70E-09	2.99E-07	6.55E-08	1.00E-07	6.66E-10	1.66E-07
1318	741970.77	4109619.72	5.13E-07	8.63E-07	9.51E-09	1.38E-06	7.95E-08	1.41E-07	1.43E-09	2.22E-07	7.73E-08	1.22E-07	1.81E-09	2.01E-07	4.39E-08	6.71E-08	4.47E-10	1.11E-07
1319	741994.06	4109615.43	5.27E-07	8.87E-07	9.78E-09	1.42E-06	8.17E-08	1.45E-07	1.47E-09	2.29E-07	7.95E-08	1.25E-07	1.86E-09	2.06E-07	4.52E-08	6.90E-08	4.59E-10	1.15E-07
1320	742017.35	4109611.13	5.40E-07	9.08E-07	1.00E-08	1.46E-06	8.37E-08	1.49E-07	1.50E-09	2.34E-07	8.14E-08	1.28E-07	1.91E-09	2.11E-07	4.63E-08	7.07E-08	4.70E-10	1.17E-07
1321	742040.64	4109606.84	5.51E-07	9.27E-07	1.02E-08	1.49E-06	8.54E-08	1.52E-07	1.53E-09	2.39E-07	8.31E-08	1.31E-07	1.95E-09	2.16E-07	4.72E-08	7.21E-08	4.80E-10	1.20E-07
1322	742063.94	4109602.55	5.61E-07	9.44E-07	1.04E-08	1.52E-06	8.70E-08	1.55E-07	1.56E-09	2.43E-07	8.46E-08	1.33E-07	1.98E-09	2.20E-07	4.81E-08	7.35E-08	4.89E-10	1.22E-07
1323	742087.23	4109598.25	5.71E-07	9.61E-07	1.06E-08	1.54E-06	8.86E-08	1.58E-07	1.59E-09	2.48E-07	8.61E-08	1.36E-07	2.02E-09	2.24E-07	4.89E-08	7.48E-08	4.98E-10	1.24E-07
1324	742110.52	4109593.96	5.81E-07	9.78E-07	1.08E-08	1.57E-06	9.01E-08	1.60E-07	1.62E-09	2.52E-07	8.77E-08	1.38E-07	2.05E-09	2.28E-07	4.98E-08	7.61E-08	5.06E-10	1.26E-07
1325	742153.43	4109602.94	6.53E-07	1.10E-06	1.21E-08	1.77E-06	1.01E-07	1.80E-07	1.82E-09	2.83E-07	9.85E-08	1.55E-07	2.31E-09	2.56E-07	5.60E-08	8.56E-08	5.69E-10	1.42E-07
1326	742173.04	4109616.21	7.28E-07	1.23E-06	1.35E-08	1.97E-06	1.13E-07	2.01E-07	2.03E-09	3.16E-07	1.10E-07	1.73E-07	2.57E-09	2.85E-07	6.24E-08	9.54E-08	6.34E-10	1.58E-07
1327	742192.65	4109629.49	8.20E-07	1.38E-06	1.52E-08	2.22E-06	1.27E-07	2.26E-07	2.28E-09	3.56E-07	1.24E-07	1.95E-07	2.90E-09	3.21E-07	7.03E-08	1.07E-07	7.15E-10	1.78E-07
1328	742212.27	4109642.76	9.35E-07	1.57E-06	1.73E-08	2.53E-06	1.45E-07	2.58E-07	2.60E-09	4.06E-07	1.41E-07	2.22E-07	3.30E-09	3.66E-07	8.01E-08	1.22E-07	8.14E-10	2.03E-07
1329	742231.88	4109656.04	1.07E-06	1.80E-06	1.99E-08	2.89E-06	1.66E-07	2.96E-07	2.98E-09	4.65E-07	1.62E-07	2.54E-07	3.79E-09	4.20E-07	9.18E-08	1.40E-07	9.34E-10	2.33E-07
1330	742251.49	4109669.31	1.22E-06	2.06E-06	2.27E-08	3.31E-06	1.90E-07	3.38E-07	3.41E-09	5.31E-07	1.85E-07	2.91E-07	4.33E-09	4.80E-07	1.05E-07	1.60E-07	1.07E-09	2.66E-07
1331	742271.11	4109682.59	1.39E-06	2.33E-06	2.57E-08	3.74E-06	2.15E-07	3.82E-07	3.85E-09	6.01E-07	2.09E-07	3.29E-07	4.89E-09	5.43E-07	1.19E-07	1.81E-07	1.21E-09	3.01E-07
1332	741947.48	4109624.02	4.97E-07	8.37E-07	9.23E-09	1.34E-06	7.71E-08	1.37E-07	1.38E-09	2.16E-07	7.50E-08	1.18E-07	1.76E-09	1.95E-07	4.26E-08	6.51E-08	4.33E-10	1.08E-07
1333	741926.84	4109637.27	5.06E-07	8.51E-07	9.39E-09	1.37E-06	7.85E-08	1.40E-07	1.41E-09	2.19E-07	7.63E-08	1.20E-07	1.79E-09	1.98E-07	4.34E-08	6.63E-08	4.41E-10	1.10E-07
1334	741906.2	4109650.53	5.17E-07	8.70E-07	9.59E-09	1.40E-06	8.02E-08	1.43E-07	1.44E-09	2.24E-07	7.79E-08	1.23E-07	1.83E-09	2.02E-07	4.43E-08	6.77E-08	4.50E-10	1.12E-07
1335	741885.56	4109663.79	5.30E-07	8.92E-07	9.84E-09	1.43E-06	8.22E-08	1.46E-07	1.48E-09	2.30E-07	8.00E-08	1.26E-07	1.87E-09	2.08E-07	4.54E-08	6.94E-08	4.62E-10	1.15E-07
1336	741864.93	4109677.04	5.44E-07	9.16E-07	1.01E-08	1.47E-06	8.44E-08	1.50E-07	1.51E-09	2.36E-07	8.21E-08	1.29E-07	1.92E-09	2.13E-07	4.67E-08	7.13E-08	4.74E-10	1.18E-07
1337	741844.29	4109690.3	5.58E-07	9.39E-07	1.03E-08	1.51E-06	8.65E-08	1.54E-07	1.55E-09	2.42E-07	8.41E-08	1.32E-07	1.97E-09	2.19E-07	4.78E-08	7.31E-08	4.86E-10	1.21E-07
1338	741823.65	4109703.56	5.71E-07	9.60E-07	1.06E-08	1.54E-06	8.85E-08	1.57E-07	1.59E-09	2.47E-07	8.60E-08	1.35E-07	2.02E-09	2.24E-07	4.89E-08	7.47E-08	4.97E-10	1.24E-07
1339	741942.82	4109577.82	4.05E-07	6.82E-07	7.51E-09	1.09E-06	6.28E-08	1.12E-07	1.13E-09	1.76E-07	6.11E-08	9.62E-08	1.43E-09	1.59E-07	3.47E-08	5.30E-08	3.53E-10	8.81E-08
1340	741965.18	4109573.7	4.15E-07	6.98E-07	7.70E-09	1.12E-06	6.43E-08	1.14E-07	1.15E-09	1.80E-07	6.26E-08	9.85E-08	1.47E-09	1.63E-07	3.56E-08	5.43E-08	3.61E-10	9.03E-08
1341	741987.54	4109569.58	4.24E-07	7.14E-07	7.87E-09	1.15E-06	6.58E-08	1.17E-07	1.18E-09	1.84E-07	6.40E-08	1.01E-07	1.50E-09	1.66E-07	3.64E-08	5.56E-08	3.70E-10	9.23E-08
1342	742009.9	4109565.46	4.33E-07	7.29E-07	8.03E-09	1.17E-06	6.72E-08	1.20E-07	1.21E-09	1.88E-07	6.53E-08	1.03E-07	1.53E-09	1.70E-07	3.71E-08	5.67E-08	3.77E-10	9.42E-08
1343	742032.26	4109561.34	4.41E-07	7.42E-07	8.18E-09	1.19E-06	6.84E-08	1.22E-07	1.23E-09	1.91E-07	6.65E-08	1.05E-07	1.56E-09	1.73E-07	3.78E-08	5.77E-08	3.84E-10	9.59E-08
1344	742054.62	4109557.21	4.48E-07	7.54E-07	8.31E-09	1.21E-06	6.95E-08	1.24E-07	1.25E-09	1.94E-07	6.76E-08	1.06E-07	1.58E-09	1.76E-07	3.84E-08	5.87E-08	3.90E-10	9.75E-08
1345	742076.98	4109553.09	4.55E-07	7.66E-07	8.44E-09	1.23E-06	7.06E-08	1.26E-07	1.27E-09	1.97E-07	6.86E-08	1.08E-07	1.61E-09	1.78E-07	3.90E-08	5.96E-08	3.96E-10	9.90E-08
1346	742099.34	4109548.97	4.62E-07	7.78E-07	8.57E-09	1.25E-06	7.17E-08	1.27E-07	1.29E-09	2.00E-07	6.97E-08	1.10E-07	1.63E-09	1.81E-07	3.96E-08	6.05E-08	4.03E-10	1.01E-07
1347	742121.7	4109544.85	4.69E-07	7.89E-07	8.69E-09	1.27E-06	7.27E-08	1.29E-07	1.30E-09	2.03E-07	7.07E-08	1.11E-07	1.66E-09	1.84E-07	4.02E-08	6.14E-08	4.08E-10	1.02E-07
1348	742162.88	4109553.47	5.14E-07	8.66E-07	9.54E-09	1.39E-06	7.98E-08	1.42E-07	1.43E-09	2.23E-07	7.76E-08	1.22E-07	1.82E-09	2.02E-07	4.41E-08	6.74E-08	4.48E-10	1.12E-07
1349	742181.71	4109566.21	5.60E-07	9.43E-07	1.04E-08	1.51E-06	8.69E-08	1.55E-07	1.56E-09	2.43E-07	8.45E-08	1.33E-07	1.98E-09	2.19E-07	4.80E-08	7.34E-08	4.88E-10	1.22E-07
1350	742200.54	4109578.96	6.14E-07	1.03E-06	1.14E-08	1.66E-06	9.53E-08	1.69E-07	1.71E-09	2.66E-07	9.26E-08	1.46E-07	2.17E-09	2.41E-07	5.26E-08	8.04E-08	5.35E-10	1.34E-07
1351	742219.37	4109591.7	6.80E-07	1.14E-06	1.26E-08	1.84E-06	1.06E-07	1.88E-07	1.89E-09	2.95E-07	1.03E-07	1.62E-07	2.40E-09	2.67E-07	5.83E-08	8.91E-08	5.93E-10	1.48E-07
1352	742238.2	4109604.45	7.61E-07	1.28E-06	1.41E-08	2.06E-06	1.18E-07	2.10E-07	2.12E-09	3.30E-07	1.15E-07	1.81E-07	2.69E-09	2.98E-07	6.52E-08	9.96E-08	6.63E-10	1.65E-07
1353	742257.03	4109617.19	8.55E-07	1.44E-06	1.59E-08	2.31E-06	1.33E-07	2.36E-07	2.38E-09	3.71E-07	1.29E-07	2.03E-07	3.02E-09	3.35E-07	7.33E-08	1.12E-07	7.45E-10	1.86E-07
1354	742275.86	4109629.93	9.61E-07	1.62E-06	1.78E-08	2.60E-06	1.49E-07	2.65E-07	2.67E-09	4.17E-07	1.45E-07	2.28E-07	3.39E-09	3.76E-07	8.23E-08	1.26E-07	8.37E-10	2.09E-07
1355	742294.69	4109642.68	1.07E-06	1.81E-06	1.99E-08	2.90E-06	1.66E-07	2.96E-07	2.98E-09	4.65E-07	1.62E-07	2.55E-07	3.79E-09	4.20E-07	9.19E-08	1.40E-07	9.34E-10	2.33E-07
1356	742313.52	4109655.42	1.18E-06	1.99E-06	2.20E-08	3.20E-06	1.84E-07	3.27E-07	3.30E-09	5.14E-07	1.79E-07	2.81E-07	4.18E-09	4.64E-07	1.01E-07	1.55E-07	1.03E-09	2.58E-07
1357	741920.46	4109581.95	3.95E-07	6.65E-07	7.33E-09	1.07E-06	6.13E-08	1.09E-07	1.10E-09	1.71E-07	5.96E-08	9.39E-08	1.40E-09	1.55E-07	3.39E-08	5.18E-08	3.44E-10	8.60E-08
1358	741899.82	4109595.2	4.01E-07	6.75E-07	7.45E-09	1.08E-06	6.22E-08	1.11E-07	1.12E-09	1.74E-07	6.05E-08	9.53E-08	1.42E-09	1.57E-07	3.44E-08	5.26E-08	3.50E-10	8.73E-08
1359	741879.18	4109608.46	4.09E-07	6.88E-07	7.58E-09	1.10E-06	6.34E-08	1.13E-07	1.14E-09	1.77E-07	6.17E-08	9.71E-08	1.44E-09	1.60E-07	3.50E-08	5.35E-08	3.56E-10	8.89E-08
1360	741858.54	4109621.72	4.18E-07	7.04E-07	7.76E-09	1.13E-06	6.48E-08	1.15E-07	1.16E-09	1.81E-07	6.30E-08	9.93E-08	1.48E-09	1.64E-07	3.58E-08	5.47E-08	3.64E-10	9.09E-08
1361	741837.9	4109634.97	4.28E-07	7.21E-07	7.94E-09	1.16E-06	6.64E-08	1.18E-07	1.19E-09	1.86E-07	6.46E-08	1.02E-07	1.51E-09	1.68E-07	3.67E-08	5.61E-08	3.73E-10	9.32E-08
1362	741817.26	4109648.23	4.38E-07	7.37E-07	8.13E-09	1.18E-06	6.79E-08	1.21E-07	1.22E-09	1.90E-07	6.61E-08	1.04E-07	1.55E-09	1.72E-07	3.75E-08	5.74E-08	3.82E-10	9.53E-08
1363	741796.63	4109661.49	4.47E-07	7.51E-07	8.28E-09	1.21E-06	6.92E-08	1.23E-07	1.24E-09	1.94E-07	6.73E-08	1.06E-07	1.58E-09	1.75E-07	3.83E-08	5.85E-08	3.89E-10	9.71E-08
1364	741889.35	4109493.58	2.76E-07	4.64E-07	5.11E-09	7.45E-07	4.28E-08	7.61E-08	7.67E-10	1.20E-07	4.16E-08	6.55E-08	9.74E-10	1.08E-07	2.36E-08	3.61E-08	2.40E-10	6.00E-08
1365	741912.28	4109489.35	2.81E-07	4.72E-07	5.20E-09	7.58E-07	4.35E-08	7.74E-08	7.81E-10	1.22E-07	4.23E-08	6.66E-08	9.91E-10	1.10E-07	2.40E-08	3.67E-08	2.44E-10	6.10E-08
1366	741935.21	4109485.12	2.85E-07	4.80E-07	5.29E-09	7.70E-07	4.42E-08	7.87E-08	7.93E-10	1.24E-07	4.30E-08	6.77E-08	1.01E-09	1.12E-07	2.44E-08	3.73E-08	2.48E-10	6.20E-08
1367	741958.14	4109480.9	2.90E-07	4.88E-07	5.38E-09	7.83E-07	4.49E-08	8.00E-08	8.06E-10	1.26E-07	4.37E-08	6.88E-08	1.02E-09	1.14E-07	2.48E-08	3.79E-08	2.52E-10	6.30E-08
1368	741981.08	4109476.67	2.95E-07	4.96E-07	5.47E-09	7.97E-07	4.57E-08	8.14E-08	8.21E-10	1.28E-07	4.45E-08	7.00E-08	1.04E-09	1.16E-07	2.53E-08	3.86E-08	2.57E-10	6.42E-08
1369	742004.01	4109472.44	3.00E-07	5.06E-07	5.57E-09	8.12E-07	4.66E-08	8.29E-08	8.36E-10	1.30E-07	4.53E-08	7.13E-08	1.06E-09	1.18E-07	2.57E-08	3.93E-08	2.62E-10	6.53E-08
1370	742026.94	4109468.21	3.06E-07	5.15E-07	5.68E-09	8.27E-07	4.75E-08	8.44E-08	8.52E-10	1.33E-07	4.62E-08	7.27E-08	1.08E-09	1.20E-07	2.62E-08	4.01E-08	2.67E-10	6.66E-08
1371	742049.88	4109463.99	3.12E-07	5.24E-07	5.78E-09	8.42E-07	4.83E-08	8.60E-08	8.67E-10	1.35E-07	4.70E-08	7.40E-08	1.10E-09	1.22E-07	2.67E-08	4.08E-08	2.71E-10	6.78E-08
1372	742072.81	4109459.76	3.16E-07	5.32E-07	5.87E-09	8.55E-07	4.91E-08	8.73E-08	8.80E-10	1.37E-07	4.77E-08	7.51E-08	1.12E-09	1.24E-07	2.71E-08	4.14E-08	2.76E-10	6.88E-08
1373	742095.74	4109455.53	3.21E-07	5.40E-07	5.95E-09	8.66E-07	4.97E-08	8.85E-08	8.92E-10	1.39E-07	4.84E-08	7.61E-08	1.13E-09	1.26E-07	2.75E-08	4.20E-08	2.79E-10	6.97E-08
1374	742118.68	4109451.3	3.24E-07	5.46E-07	6.02E-09	8.77E-07	5.03E-08	8.95E-08	9.03E-10	1.41E-07	4.89E-08	7.70E-08	1.15E-09	1.27E-07	2.78E-08	4.25E-08	2.83E-10	7.06E-08
1375	742141.61	4109447.07	3.28E-07	5.52E-07	6.08E-09	8.86E-07	5.08E-08	9.04E-08	9.12E-10	1.42E-07	4.94E-08	7.78E-08	1.16E-09	1.28E-07	2.81E-08	4.29E-08	2.86E-10	7.13E-08
1376	742183.86	4109455.92	3.52E-07	5.92E-07	6.53E-09	9.50E-07	5.46E-08	9.71E-08	9.79E-10	1.53E-07	5.31E-08	8.35E-08	1.24E-09	1.38E-07	3.01E-08	4.61E-08	3.06E-10	7.65E-08
1377	742203.17	4109468.99	3.75E-07	6.30E-07	6.95E-09	1.01E-06	5.81E-08	1.03E-07	1.04E-09	1.63E-07	5.65E-08	8.89E-08	1.32E-09	1.47E-07	3.21E-08	4.91E-08	3.26E-10	8.15E-08
1378	742222.48	4109482.06	4.00E-07	6.73E-07	7.42E-09	1.08E-06	6.20E-08	1.10E-07	1.11E-09	1.74E-07	6.03E-08	9.50E-08	1.41E-09	1.57E-07	3.43E-08	5.24E-08	3.48E-10	8.70E-08
1379	742241.79	4109495.13	4.30E-07	7.23E-07	7.97E-09	1.16E-06	6.66E-08	1.19E-07	1.20E-09	1.86E-07	6.48E-08	1.02E-07	1.52E-09	1.68E-07	3.68E-08	5.63E-08	3.74E-10	9.35E-08
1380	742261.1	4109508.2	4.66E-07	7.84E-07	8.64E-09	1.26E-06	7.22E-08	1.29E-07	1.30E-09	2.02E-07	7.02E-08	1.11E-07	1.65E-09	1.82E-07	3.99E-08	6.10E-08	4.06E-10	1.01E-07
1381	742280.42	4109521.27	5.10E-07	8.58E-07	9.45E-09	1.38E-06	7.90E-08	1.41E-07	1.42E-09	2.21E-07	7.68E-08	1.21E-07	1.80E-09	2.00E-07	4.37E-08	6.67E-08	4.44E-10	1.11E-07
1382	742299.73	4109534.34	5.61E-07	9.45E-07	1.04E-08	1.52E-06	8.71E-08	1.55E-07	1.56E-09	2.44E-07	8.47E-08	1.33E-07	1.98E-09	2.20E-07	4.81E-08	7.35E-08	4.89E-10	1.22E-07
1383	742319.04	4109547.41	6.20E-07	1.04E-06	1.15E-08	1.68E-06	9.62E-08	1.71E-07	1.73E-09	2.69E-07	9.35E-08	1.47E-07	2.19E-09	2.43E-07	5.31E-08	8.12E-08	5.40E-10	1.35E-07
1384	742338.35	4109560.48	6.83E-07	1.15E-06	1.27E-08	1.85E-06	1.06E-07	1.89E-07	1.90E-09	2.96E-07	1.03E-07	1.62E-07	2.41E-09	2.68E-07	5.86E-08	8.95E-08	5.95E-10	1.49E-07
1385	742357.67	4109573.55	7.49E-07	1.26E-06	1.39E-08	2.02E-06	1.16E-07	2.07E-07	2.08E-09	3.25E-07	1.13E-07	1.78E-07	2.64E-09	2.93E-07	6.42E-08	9.80E-08	6.52E-10	1.63E-07
1386	742376.98	4109586.63	8.14E-07	1.37E-06	1.51E-08	2.20E-06	1.26E-07	2.25E-07	2.27E-09	3.53E-07	1.23E-07	1.93E-07	2.88E-09	3.19E-07	6.98E-08	1.07E-07	7.09E-10	1.77E-07
1387	742396.29	4109599.7	8.81E-07	1.48E-06	1.63E-08	2.38E-06	1.37E-07	2.43E-07	2.45E-09	3.82E-07	1.33E-07	2.09E-07	3.11E-09	3.45E-07	7.55E-08	1.15E-07	7.68E-10	1.92E-07
1388	741866.41	4109497.81	2.71E-07	4.55E-07	5.02E-09	7.31E-07	4.20E-08	7.47E-08	7.53E-10	1.17E-07	4.08E-08	6.43E-08	9.56E-10	1.06E-07	2.32E-08	3.54E-08	2.36E-10	5.89E-08
1389	741845.77	4109511.06	2.74E-07	4.61E-07	5.09E-09	7.41E-07	4.25E-08	7.57E-08	7.63E-10	1.19E-07	4.13E-08	6.51E-08	9.69E-10	1.07E-07	2.35E-08	3.59E-08	2.39E-10	5.96E-08
1390	741825.14	4109524.32	2.78E-07	4.69E-07	5.16E-09	7.52E-07	4.32E-08	7.68E-08	7.75E-10	1.21E-07	4.20E-08	6.61E-08	9.84E-10	1.09E-07	2.39E-08	3.65E-08	2.43E-10	6.06E-08
1391	741804.5	4109537.58	2.84E-07	4.77E-07	5.26E-09	7.66E-07	4.40E-08	7.83E-08	7.89E-10	1.23E-07	4.28E-08	6.73E-08	1.00E-09	1.11E-07	2.43E-08	3.71E-08	2.47E-10	6.17E-08
1392	741783.86	4109550.83	2.90E-07	4.87E-07	5.37E-09	7.82E-07	4.49E-08	7.99E-08	8.06E-10	1.26E-07	4.37E-08	6.88E-08	1.02E-09	1.13E-07	2.48E-08	3.79E-08	2.52E-10	6.30E-08
1393	741763.22	4109564.09	2.95E-07	4.97E-07	5.48E-09	7.98E-07	4.58E-08	8.15E-08	8.22E-10	1.28E-07	4.46E-08	7.01E-08	1.04E-09	1.16E-07	2.53E-08	3.87E-08	2.57E-10	6.43E-08
1394	741742.58	4109577.35	3.00E-07	5.06E-07	5.57E-09	8.11E-07	4.66E-08	8.29E-08	8.36E-10	1.30E-07	4.53E-08	7.13E-08	1.06E-09	1.18E-07	2.57E-08	3.93E-08	2.62E-10	6.53E-08
1395	741835.66	4109409.38	2.02E-07	3.40E-07	3.75E-09	5.46E-07	3.13E-08	5.57E-08	5.62E-10	8.76E-08	3.05E-08	4.79E-08	7.13E-10	7.91E-08	1.73E-08	2.64E-08	1.76E-10	4.39E-08
1396	741858.95	4109405.08	2.05E-07	3.45E-07	3.80E-09	5.53E-07	3.18E-08	5.65E-08	5.70E-10	8.89E-08	3.09E-08	4.86E-08	7.24E-10	8.02E-08	1.76E-08	2.68E-08	1.78E-10	4.46E-08
1397	741882.24	4109400.79	2.08E-07	3.50E-07	3.85E-09	5.61E-07	3.22E-08	5.73E-08	5.78E-10	9.01E-08	3.13E-08	4.93E-08	7.34E-10	8.14E-08	1.78E-08	2.72E-08	1.81E-10	4.52E-08
1398	741905.53	4109396.49	2.11E-07	3.54E-07	3.90E-09	5.69E-07	3.26E-08	5.81E-08	5.86E-10	9.13E-08	3.17E-08	5.00E-08	7.44E-10	8.25E-08	1.80E-08	2.76E-08	1.83E-10	4.58E-08
1399	741928.83	4109392.2	2.13E-07	3.59E-07	3.96E-09	5.76E-07	3.31E-08	5.89E-08	5.93E-10	9.25E-08	3.22E-08	5.06E-08	7.54E-10	8.36E-08	1.83E-08	2.79E-08	1.86E-10	4.64E-08
1400	741952.12	4109387.91	2.16E-07	3.64E-07	4.01E-09	5.84E-07	3.35E-08	5.97E-08	6.02E-10	9.38E-08	3.26E-08	5.13E-08	7.64E-10	8.47E-08	1.85E-08	2.83E-08	1.88E-10	4.70E-08
1401	741975.41	4109383.61	2.19E-07	3.69E-07	4.07E-09	5.93E-07	3.40E-08	6.06E-08	6.11E-10	9.52E-08	3.31E-08	5.21E-08	7.75E-10	8.60E-08	1.88E-08	2.87E-08	1.91E-10	4.77E-08
1402	741998.7	4109379.32	2.23E-07	3.76E-07	4.14E-09	6.03E-07	3.46E-08	6.16E-08	6.21E-10	9.68E-08	3.37E-08	5.30E-08	7.88E-10	8.74E-08	1.91E-08	2.92E-08	1.94E-10	4.85E-08
1403	742021.99	4109375.02	2.27E-07	3.82E-07	4.21E-09	6.14E-07	3.52E-08	6.27E-08	6.32E-10	9.85E-08	3.43E-08	5.39E-08	8.02E-10	8.90E-08	1.95E-08	2.97E-08	1.98E-10	4.94E-08
1404	742045.28	4109370.73	2.31E-07	3.89E-07	4.29E-09	6.24E-07	3.58E-08	6.38E-08	6.43E-10	1.00E-07	3.48E-08	5.49E-08	8.16E-10	9.05E-08	1.98E-08	3.03E-08	2.01E-10	5.03E-08

1405	742068.57	4109366.44	2.35E-07	3.95E-07	4.35E-09	6.34E-07	3.64E-08	6.48E-08	6.53E-10	1.02E-07	3.54E-08	5.57E-08	8.29E-10	9.19E-08	2.01E-08	3.07E-08	2.04E-10	5.11E-08
1406	742091.87	4109362.14	2.38E-07	4.00E-07	4.41E-09	6.43E-07	3.69E-08	6.57E-08	6.62E-10	1.03E-07	3.59E-08	5.65E-08	8.41E-10	9.32E-08	2.04E-08	3.12E-08	2.07E-10	5.18E-08
1407	742115.16	4109357.85	2.41E-07	4.05E-07	4.47E-09	6.50E-07	3.73E-08	6.64E-08	6.70E-10	1.04E-07	3.63E-08	5.72E-08	8.51E-10	9.43E-08	2.06E-08	3.15E-08	2.10E-10	5.24E-08
1408	742138.45	4109353.55	2.43E-07	4.09E-07	4.51E-09	6.57E-07	3.77E-08	6.71E-08	6.77E-10	1.06E-07	3.67E-08	5.77E-08	8.59E-10	9.53E-08	2.08E-08	3.19E-08	2.12E-10	5.29E-08
1409	742161.74	4109349.26	2.45E-07	4.13E-07	4.55E-09	6.63E-07	3.81E-08	6.77E-08	6.83E-10	1.06E-07	3.70E-08	5.83E-08	8.67E-10	9.61E-08	2.10E-08	3.21E-08	2.14E-10	5.34E-08
1410	742204.65	4109358.24	2.60E-07	4.38E-07	4.82E-09	7.02E-07	4.03E-08	7.17E-08	7.23E-10	1.13E-07	3.92E-08	6.17E-08	9.18E-10	1.02E-07	2.23E-08	3.40E-08	2.27E-10	5.66E-08
1411	742224.26	4109371.52	2.73E-07	4.60E-07	5.07E-09	7.38E-07	4.24E-08	7.54E-08	7.60E-10	1.19E-07	4.12E-08	6.49E-08	9.65E-10	1.07E-07	2.34E-08	3.58E-08	2.38E-10	5.94E-08
1412	742243.87	4109384.79	2.87E-07	4.83E-07	5.32E-09	7.75E-07	4.45E-08	7.92E-08	7.98E-10	1.24E-07	4.33E-08	6.81E-08	1.01E-09	1.12E-07	2.46E-08	3.76E-08	2.50E-10	6.24E-08
1413	742263.49	4109398.07	3.02E-07	5.08E-07	5.60E-09	8.16E-07	4.68E-08	8.33E-08	8.40E-10	1.31E-07	4.55E-08	7.17E-08	1.07E-09	1.18E-07	2.59E-08	3.96E-08	2.63E-10	6.57E-08
1414	742283.1	4109411.34	3.20E-07	5.38E-07	5.93E-09	8.64E-07	4.96E-08	8.82E-08	8.90E-10	1.39E-07	4.82E-08	7.59E-08	1.13E-09	1.25E-07	2.74E-08	4.19E-08	2.79E-10	6.95E-08
1415	742302.72	4109424.62	3.41E-07	5.74E-07	6.33E-09	9.22E-07	5.29E-08	9.41E-08	9.49E-10	1.48E-07	5.14E-08	8.10E-08	1.21E-09	1.34E-07	2.92E-08	4.47E-08	2.97E-10	7.42E-08
1416	742322.33	4109437.89	3.67E-07	6.18E-07	6.81E-09	9.92E-07	5.69E-08	1.01E-07	1.02E-09	1.59E-07	5.54E-08	8.72E-08	1.30E-09	1.44E-07	3.15E-08	4.81E-08	3.20E-10	7.99E-08
1417	742341.94	4109451.17	3.98E-07	6.70E-07	7.38E-09	1.08E-06	6.17E-08	1.10E-07	1.11E-09	1.73E-07	6.00E-08	9.45E-08	1.41E-09	1.56E-07	3.41E-08	5.21E-08	3.47E-10	8.66E-08
1418	742361.56	4109464.44	4.33E-07	7.29E-07	8.03E-09	1.17E-06	6.71E-08	1.19E-07	1.20E-09	1.88E-07	6.53E-08	1.03E-07	1.53E-09	1.70E-07	3.71E-08	5.67E-08	3.77E-10	9.42E-08
1419	742381.17	4109477.72	4.71E-07	7.93E-07	8.74E-09	1.27E-06	7.30E-08	1.30E-07	1.31E-09	2.04E-07	7.10E-08	1.12E-07	1.66E-09	1.85E-07	4.04E-08	6.17E-08	4.10E-10	1.02E-07
1420	742400.79	4109490.99	5.11E-07	8.60E-07	9.48E-09	1.38E-06	7.93E-08	1.41E-07	1.42E-09	2.22E-07	7.71E-08	1.21E-07	1.81E-09	2.00E-07	4.38E-08	6.69E-08	4.45E-10	1.11E-07
1421	742420.4	4109504.27	5.53E-07	9.30E-07	1.03E-08	1.49E-06	8.57E-08	1.53E-07	1.54E-09	2.40E-07	8.34E-08	1.31E-07	1.95E-09	2.17E-07	4.74E-08	7.24E-08	4.82E-10	1.20E-07
1422	742440.01	4109517.54	5.96E-07	1.00E-06	1.10E-08	1.61E-06	9.24E-08	1.64E-07	1.66E-09	2.58E-07	8.98E-08	1.41E-07	2.10E-09	2.33E-07	5.10E-08	7.80E-08	5.19E-10	1.30E-07
1423	742459.63	4109530.82	6.40E-07	1.08E-06	1.19E-08	1.73E-06	9.93E-08	1.77E-07	1.78E-09	2.78E-07	9.65E-08	1.52E-07	2.26E-09	2.51E-07	5.49E-08	8.38E-08	5.58E-10	1.39E-07
1424	742479.24	4109544.09	6.85E-07	1.15E-06	1.27E-08	1.85E-06	1.06E-07	1.89E-07	1.91E-09	2.97E-07	1.03E-07	1.63E-07	2.42E-09	2.68E-07	5.87E-08	8.97E-08	5.97E-10	1.49E-07
1425	741812.37	4109413.67	1.99E-07	3.35E-07	3.69E-09	5.38E-07	3.09E-08	5.49E-08	5.54E-10	8.64E-08	3.00E-08	4.73E-08	7.03E-10	7.80E-08	1.71E-08	2.61E-08	1.73E-10	4.33E-08
1426	741791.73	4109426.93	2.02E-07	3.40E-07	3.74E-09	5.45E-07	3.13E-08	5.57E-08	5.62E-10	8.76E-08	3.04E-08	4.79E-08	7.13E-10	7.91E-08	1.73E-08	2.64E-08	1.76E-10	4.39E-08
1427	741771.09	4109440.18	2.05E-07	3.45E-07	3.80E-09	5.54E-07	3.18E-08	5.65E-08	5.70E-10	8.89E-08	3.09E-08	4.87E-08	7.24E-10	8.03E-08	1.76E-08	2.68E-08	1.79E-10	4.46E-08
1428	741750.45	4109453.44	2.08E-07	3.51E-07	3.86E-09	5.63E-07	3.23E-08	5.75E-08	5.80E-10	9.04E-08	3.14E-08	4.95E-08	7.36E-10	8.16E-08	1.78E-08	2.73E-08	1.81E-10	4.53E-08
1429	741729.81	4109466.7	2.12E-07	3.57E-07	3.94E-09	5.73E-07	3.29E-08	5.85E-08	5.90E-10	9.20E-08	3.20E-08	5.04E-08	7.50E-10	8.31E-08	1.82E-08	2.78E-08	1.85E-10	4.62E-08
1430	741709.18	4109479.95	2.16E-07	3.64E-07	4.01E-09	5.84E-07	3.35E-08	5.96E-08	6.01E-10	9.37E-08	3.26E-08	5.13E-08	7.63E-10	8.47E-08	1.85E-08	2.83E-08	1.88E-10	4.70E-08
1431	741688.54	4109493.21	2.20E-07	3.69E-07	4.07E-09	5.93E-07	3.40E-08	6.06E-08	6.11E-10	9.52E-08	3.31E-08	5.21E-08	7.75E-10	8.60E-08	1.88E-08	2.87E-08	1.91E-10	4.77E-08
1432	741781.86	4109325.19	1.56E-07	2.62E-07	2.89E-09	4.20E-07	2.41E-08	4.29E-08	4.33E-10	6.75E-08	2.35E-08	3.69E-08	5.50E-10	6.10E-08	1.33E-08	2.04E-08	1.36E-10	3.38E-08
1433	741805.4	4109320.85	1.57E-07	2.64E-07	2.92E-09	4.25E-07	2.44E-08	4.34E-08	4.37E-10	6.82E-08	2.37E-08	3.73E-08	5.55E-10	6.16E-08	1.35E-08	2.06E-08	1.37E-10	3.42E-08
1434	741828.93	4109316.51	1.59E-07	2.67E-07	2.95E-09	4.29E-07	2.46E-08	4.38E-08	4.42E-10	6.89E-08	2.40E-08	3.77E-08	5.61E-10	6.22E-08	1.36E-08	2.08E-08	1.38E-10	3.46E-08
1435	741852.47	4109312.18	1.61E-07	2.71E-07	2.98E-09	4.34E-07	2.49E-08	4.44E-08	4.47E-10	6.97E-08	2.42E-08	3.82E-08	5.68E-10	6.30E-08	1.38E-08	2.11E-08	1.40E-10	3.50E-08
1436	741876.01	4109307.84	1.63E-07	2.74E-07	3.02E-09	4.40E-07	2.53E-08	4.50E-08	4.53E-10	7.07E-08	2.46E-08	3.87E-08	5.76E-10	6.38E-08	1.40E-08	2.13E-08	1.42E-10	3.54E-08
1437	741899.54	4109303.5	1.65E-07	2.78E-07	3.07E-09	4.46E-07	2.56E-08	4.56E-08	4.60E-10	7.17E-08	2.49E-08	3.92E-08	5.84E-10	6.47E-08	1.42E-08	2.16E-08	1.44E-10	3.59E-08
1438	741923.08	4109299.16	1.67E-07	2.82E-07	3.11E-09	4.52E-07	2.60E-08	4.62E-08	4.66E-10	7.26E-08	2.53E-08	3.98E-08	5.92E-10	6.56E-08	1.44E-08	2.19E-08	1.46E-10	3.64E-08
1439	741946.62	4109294.82	1.70E-07	2.86E-07	3.15E-09	4.58E-07	2.63E-08	4.68E-08	4.72E-10	7.36E-08	2.56E-08	4.03E-08	5.99E-10	6.65E-08	1.45E-08	2.22E-08	1.48E-10	3.69E-08
1440	741970.15	4109290.48	1.72E-07	2.89E-07	3.19E-09	4.64E-07	2.67E-08	4.74E-08	4.78E-10	7.46E-08	2.59E-08	4.08E-08	6.07E-10	6.73E-08	1.47E-08	2.25E-08	1.50E-10	3.74E-08
1441	741993.69	4109286.14	1.74E-07	2.93E-07	3.23E-09	4.71E-07	2.70E-08	4.81E-08	4.85E-10	7.56E-08	2.63E-08	4.14E-08	6.16E-10	6.83E-08	1.49E-08	2.28E-08	1.52E-10	3.79E-08
1442	742017.23	4109281.8	1.77E-07	2.98E-07	3.28E-09	4.78E-07	2.74E-08	4.88E-08	4.92E-10	7.67E-08	2.67E-08	4.20E-08	6.25E-10	6.93E-08	1.52E-08	2.32E-08	1.54E-10	3.85E-08
1443	742040.76	4109277.46	1.80E-07	3.02E-07	3.33E-09	4.85E-07	2.78E-08	4.95E-08	4.99E-10	7.79E-08	2.71E-08	4.26E-08	6.34E-10	7.03E-08	1.54E-08	2.35E-08	1.56E-10	3.90E-08
1444	742064.3	4109273.12	1.82E-07	3.06E-07	3.38E-09	4.92E-07	2.82E-08	5.02E-08	5.07E-10	7.90E-08	2.75E-08	4.32E-08	6.43E-10	7.13E-08	1.56E-08	2.38E-08	1.59E-10	3.96E-08
1445	742087.84	4109268.78	1.85E-07	3.11E-07	3.42E-09	4.98E-07	2.86E-08	5.09E-08	5.13E-10	8.00E-08	2.78E-08	4.38E-08	6.52E-10	7.23E-08	1.58E-08	2.42E-08	1.61E-10	4.01E-08
1446	742111.37	4109264.45	1.87E-07	3.14E-07	3.46E-09	5.04E-07	2.90E-08	5.15E-08	5.20E-10	8.10E-08	2.82E-08	4.43E-08	6.60E-10	7.31E-08	1.60E-08	2.45E-08	1.63E-10	4.06E-08
1447	742134.91	4109260.11	1.89E-07	3.18E-07	3.50E-09	5.10E-07	2.93E-08	5.21E-08	5.25E-10	8.19E-08	2.85E-08	4.48E-08	6.67E-10	7.40E-08	1.62E-08	2.47E-08	1.65E-10	4.11E-08
1448	742158.45	4109255.77	1.91E-07	3.21E-07	3.54E-09	5.15E-07	2.96E-08	5.26E-08	5.31E-10	8.27E-08	2.88E-08	4.53E-08	6.74E-10	7.47E-08	1.63E-08	2.50E-08	1.66E-10	4.15E-08
1449	742181.98	4109251.43	1.92E-07	3.24E-07	3.57E-09	5.19E-07	2.98E-08	5.31E-08	5.35E-10	8.34E-08	2.90E-08	4.57E-08	6.79E-10	7.53E-08	1.65E-08	2.52E-08	1.68E-10	4.18E-08
1450	742225.34	4109260.5	2.02E-07	3.40E-07	3.75E-09	5.47E-07	3.14E-08	5.58E-08	5.63E-10	8.78E-08	3.05E-08	4.80E-08	7.15E-10	7.93E-08	1.73E-08	2.65E-08	1.76E-10	4.40E-08
1451	742245.16	4109273.92	2.11E-07	3.55E-07	3.91E-09	5.70E-07	3.27E-08	5.82E-08	5.87E-10	9.15E-08	3.18E-08	5.01E-08	7.45E-10	8.26E-08	1.81E-08	2.76E-08	1.84E-10	4.59E-08
1452	742264.98	4109287.33	2.19E-07	3.69E-07	4.07E-09	5.92E-07	3.40E-08	6.05E-08	6.10E-10	9.51E-08	3.31E-08	5.20E-08	7.74E-10	8.59E-08	1.88E-08	2.87E-08	1.91E-10	4.77E-08
1453	742284.8	4109300.75	2.28E-07	3.83E-07	4.23E-09	6.15E-07	3.53E-08	6.29E-08	6.34E-10	9.88E-08	3.44E-08	5.41E-08	8.05E-10	8.93E-08	1.95E-08	2.98E-08	1.98E-10	4.96E-08
1454	742304.62	4109314.16	2.37E-07	3.99E-07	4.40E-09	6.41E-07	3.68E-08	6.55E-08	6.60E-10	1.03E-07	3.58E-08	5.64E-08	8.39E-10	9.30E-08	2.03E-08	3.11E-08	2.07E-10	5.16E-08
1455	742324.44	4109327.58	2.49E-07	4.19E-07	4.61E-09	6.72E-07	3.86E-08	6.86E-08	6.92E-10	1.08E-07	3.75E-08	5.90E-08	8.79E-10	9.74E-08	2.13E-08	3.26E-08	2.17E-10	5.41E-08
1456	742344.26	4109340.99	2.62E-07	4.42E-07	4.87E-09	7.09E-07	4.07E-08	7.24E-08	7.30E-10	1.14E-07	3.96E-08	6.23E-08	9.27E-10	1.03E-07	2.25E-08	3.44E-08	2.29E-10	5.71E-08
1457	742364.08	4109354.41	2.79E-07	4.69E-07	5.17E-09	7.54E-07	4.33E-08	7.70E-08	7.76E-10	1.21E-07	4.21E-08	6.62E-08	9.85E-10	1.09E-07	2.39E-08	3.65E-08	2.43E-10	6.07E-08
1458	742383.9	4109367.82	2.98E-07	5.02E-07	5.53E-09	8.06E-07	4.62E-08	8.23E-08	8.30E-10	1.29E-07	4.50E-08	7.08E-08	1.05E-09	1.17E-07	2.56E-08	3.91E-08	2.60E-10	6.49E-08
1459	742403.72	4109381.24	3.20E-07	5.39E-07	5.94E-09	8.65E-07	4.96E-08	8.83E-08	8.91E-10	1.39E-07	4.83E-08	7.60E-08	1.13E-09	1.25E-07	2.74E-08	4.19E-08	2.79E-10	6.96E-08
1460	742423.54	4109394.65	3.44E-07	5.79E-07	6.38E-09	9.30E-07	5.34E-08	9.50E-08	9.58E-10	1.49E-07	5.19E-08	8.17E-08	1.22E-09	1.35E-07	2.95E-08	4.51E-08	3.00E-10	7.49E-08
1461	742443.37	4109408.07	3.70E-07	6.23E-07	6.87E-09	1.00E-06	5.74E-08	1.02E-07	1.03E-09	1.61E-07	5.58E-08	8.79E-08	1.31E-09	1.45E-07	3.17E-08	4.85E-08	3.23E-10	8.05E-08
1462	742463.19	4109421.48	3.98E-07	6.70E-07	7.38E-09	1.08E-06	6.17E-08	1.10E-07	1.11E-09	1.73E-07	6.00E-08	9.45E-08	1.41E-09	1.56E-07	3.41E-08	5.21E-08	3.47E-10	8.66E-08
1463	742483.01	4109434.9	4.27E-07	7.19E-07	7.93E-09	1.15E-06	6.63E-08	1.18E-07	1.19E-09	1.85E-07	6.45E-08	1.01E-07	1.51E-09	1.67E-07	3.66E-08	5.60E-08	3.72E-10	9.30E-08
1464	742502.83	4109448.31	4.58E-07	7.71E-07	8.49E-09	1.24E-06	7.10E-08	1.26E-07	1.27E-09	1.99E-07	6.91E-08	1.09E-07	1.62E-09	1.79E-07	3.92E-08	6.00E-08	3.99E-10	9.96E-08
1465	742522.65	4109461.73	4.89E-07	8.23E-07	9.07E-09	1.32E-06	7.58E-08	1.35E-07	1.36E-09	2.12E-07	7.37E-08	1.16E-07	1.73E-09	1.92E-07	4.19E-08	6.40E-08	4.26E-10	1.06E-07
1466	742542.47	4109475.14	5.19E-07	8.73E-07	9.62E-09	1.40E-06	8.04E-08	1.43E-07	1.44E-09	2.25E-07	7.82E-08	1.23E-07	1.83E-09	2.03E-07	4.44E-08	6.79E-08	4.52E-10	1.13E-07
1467	742562.29	4109488.56	5.46E-07	9.20E-07	1.01E-08	1.48E-06	8.47E-08	1.51E-07	1.52E-09	2.37E-07	8.24E-08	1.30E-07	1.93E-09	2.14E-07	4.68E-08	7.16E-08	4.76E-10	1.19E-07
1468	741758.32	4109329.53	1.54E-07	2.59E-07	2.86E-09	4.16E-07	2.39E-08	4.25E-08	4.29E-10	6.68E-08	2.32E-08	3.66E-08	5.44E-10	6.04E-08	1.32E-08	2.02E-08	1.34E-10	3.35E-08
1469	741737.68	4109342.79	1.56E-07	2.63E-07	2.90E-09	4.22E-07	2.42E-08	4.31E-08	4.34E-10	6.77E-08	2.35E-08	3.71E-08	5.52E-10	6.12E-08	1.34E-08	2.04E-08	1.36E-10	3.40E-08
1470	741717.05	4109356.05	1.58E-07	2.67E-07	2.94E-09	4.28E-07	2.46E-08	4.37E-08	4.41E-10	6.87E-08	2.39E-08	3.76E-08	5.60E-10	6.21E-08	1.36E-08	2.07E-08	1.38E-10	3.45E-08
1471	741696.41	4109369.3	1.61E-07	2.71E-07	2.99E-09	4.35E-07	2.50E-08	4.44E-08	4.48E-10	6.99E-08	2.43E-08	3.82E-08	5.69E-10	6.31E-08	1.38E-08	2.11E-08	1.40E-10	3.50E-08
1472	741675.77	4109382.56	1.64E-07	2.76E-07	3.04E-09	4.43E-07	2.54E-08	4.52E-08	4.56E-10	7.11E-08	2.47E-08	3.89E-08	5.79E-10	6.42E-08	1.41E-08	2.15E-08	1.43E-10	3.57E-08
1473	741655.13	4109395.82	1.67E-07	2.81E-07	3.10E-09	4.51E-07	2.59E-08	4.61E-08	4.64E-10	7.24E-08	2.52E-08	3.96E-08	5.90E-10	6.54E-08	1.43E-08	2.19E-08	1.45E-10	3.63E-08
1474	741634.49	4109409.07	1.70E-07	2.85E-07	3.14E-09	4.58E-07	2.63E-08	4.68E-08	4.72E-10	7.35E-08	2.56E-08	4.02E-08	5.99E-10	6.64E-08	1.45E-08	2.22E-08	1.48E-10	3.69E-08
1475	741727.99	4109241.02	1.24E-07	2.09E-07	2.31E-09	3.36E-07	1.93E-08	3.43E-08	3.46E-10	5.39E-08	1.88E-08	2.95E-08	4.39E-10	4.87E-08	1.07E-08	1.63E-08	1.08E-10	2.70E-08
1476	741751.71	4109236.65	1.25E-07	2.11E-07	2.33E-09	3.39E-07	1.94E-08	3.46E-08	3.49E-10	5.44E-08	1.89E-08	2.98E-08	4.43E-10	4.91E-08	1.07E-08	1.64E-08	1.09E-10	2.73E-08
1477	741775.42	4109232.28	1.27E-07	2.13E-07	2.35E-09	3.42E-07	1.96E-08	3.49E-08	3.52E-10	5.49E-08	1.91E-08	3.00E-08	4.47E-10	4.96E-08	1.08E-08	1.66E-08	1.10E-10	2.75E-08
1478	741799.14	4109227.91	1.28E-07	2.15E-07	2.37E-09	3.45E-07	1.98E-08	3.52E-08	3.55E-10	5.54E-08	1.93E-08	3.03E-08	4.51E-10	5.00E-08	1.09E-08	1.67E-08	1.11E-10	2.78E-08
1479	741822.85	4109223.53	1.29E-07	2.17E-07	2.39E-09	3.49E-07	2.00E-08	3.56E-08	3.59E-10	5.60E-08	1.95E-08	3.06E-08	4.56E-10	5.05E-08	1.11E-08	1.69E-08	1.12E-10	2.81E-08
1480	741846.57	4109219.16	1.31E-07	2.20E-07	2.42E-09	3.53E-07	2.03E-08	3.60E-08	3.63E-10	5.67E-08	1.97E-08	3.10E-08	4.61E-10	5.12E-08	1.12E-08	1.71E-08	1.14E-10	2.84E-08
1481	741870.28	4109214.79	1.32E-07	2.23E-07	2.46E-09	3.58E-07	2.05E-08	3.65E-08	3.69E-10	5.75E-08	2.00E-08	3.14E-08	4.68E-10	5.19E-08	1.14E-08	1.73E-08	1.15E-10	2.88E-08
1482	741894	4109210.42	1.34E-07	2.26E-07	2.49E-09	3.63E-07	2.08E-08	3.71E-08	3.74E-10	5.83E-08	2.03E-08	3.19E-08	4.75E-10	5.26E-08	1.15E-08	1.76E-08	1.17E-10	2.92E-08
1483	741917.71	4109206.05	1.36E-07	2.29E-07	2.53E-09	3.68E-07	2.11E-08	3.76E-08	3.79E-10	5.91E-08	2.05E-08	3.24E-08	4.81E-10	5.34E-08	1.17E-08	1.78E-08	1.19E-10	2.96E-08
1484	741941.43	4109201.67	1.38E-07	2.32E-07	2.56E-09	3.73E-07	2.14E-08	3.81E-08	3.84E-10	5.98E-08	2.08E-08	3.27E-08	4.87E-10	5.40E-08	1.18E-08	1.81E-08	1.20E-10	3.00E-08
1485	741965.14	4109197.3	1.39E-07	2.35E-07	2.59E-09	3.77E-07	2.16E-08	3.85E-08	3.88E-10	6.05E-08	2.10E-08	3.31E-08	4.93E-10	5.46E-08	1.20E-08	1.83E-08	1.22E-10	3.03E-08
1486	741988.86	4109192.93	1.41E-07	2.37E-07	2.62E-09	3.81E-07	2.19E-08	3.89E-08	3.92E-10	6.12E-08	2.13E-08	3.35E-08	4.98E-10	5.52E-08	1.21E-08	1.85E-08	1.23E-10	3.07E-08
1487	742012.57	4109188.56	1.43E-07	2.40E-07	2.65E-09	3.85E-07	2.21E-08	3.94E-08	3.97E-10	6.19E-08	2.15E-08	3.39E-08	5.04E-10	5.59E-08	1.22E-08	1.87E-08	1.24E-10	3.10E-08
1488	742036.29	4109184.19	1.44E-07	2.43E-07	2.68E-09	3.90E-07	2.24E-08	3.98E-08	4.02E-10	6.26E-08	2.18E-08	3.43E-08	5.10E-10	5.66E-08	1.24E-08	1.89E-08	1.26E-10	3.14E-08
1489	742060	4109179.81	1.46E-07	2.46E-07	2.71E-09	3.95E-07	2.27E-08	4.03E-08	4.07E-10	6.34E-08	2.20E-08	3.47E-08	5.16E-10	5.73E-08	1.25E-08	1.91E-08	1.27E-10	3.18E-08
1490	742083.72	4109175.44	1.48E-07	2.49E-07	2.74E-09	4.00E-07	2.29E-08	4.08E-08	4.12E-10	6.42E-08	2.23E-08	3.51E-08	5.23E-10	5.79E-08	1.27E-08	1.94E-08	1.29E-10	3.22E-08
1491	742107.43	4109171.07	1.50E-07	2.52E-07	2.77E-09	4.04E-07	2.32E-08	4.13E-08	4.16E-10	6.49E-08	2.26E-08	3.55E-08	5.28E-10	5.86E-08	1.28E-08	1.96E-08	1.30E-10	3.25E-08
1492	742131.15	4109166.7	1.51E-07	2.55E-07	2.81E-09	4.09E-07	2.35E-08	4.17E-08	4.21E-10	6.56E-08	2.28E-08	3.59E-08	5.34E-10	5.93E-08	1.30E-08	1.98E-08	1.32E-10	3.29E-08

1493	742154.86	4109162.33	1.53E-07	2.57E-07	2.84E-09	4.13E-07	2.37E-08	4.22E-08	4.25E-10	6.63E-08	2.31E-08	3.63E-08	5.40E-10	5.99E-08	1.31E-08	2.00E-08	1.33E-10	3.32E-08
1494	742178.58	4109157.95	1.54E-07	2.60E-07	2.86E-09	4.17E-07	2.39E-08	4.26E-08	4.30E-10	6.70E-08	2.33E-08	3.67E-08	5.45E-10	6.05E-08	1.32E-08	2.02E-08	1.35E-10	3.36E-08
1495	742202.29	4109153.58	1.56E-07	2.62E-07	2.89E-09	4.21E-07	2.42E-08	4.30E-08	4.34E-10	6.76E-08	2.35E-08	3.70E-08	5.50E-10	6.10E-08	1.34E-08	2.04E-08	1.36E-10	3.39E-08
1496	742245.98	4109162.73	1.63E-07	2.75E-07	3.03E-09	4.41E-07	2.53E-08	4.50E-08	4.54E-10	7.08E-08	2.46E-08	3.87E-08	5.77E-10	6.39E-08	1.40E-08	2.14E-08	1.42E-10	3.55E-08
1497	742265.95	4109176.24	1.69E-07	2.85E-07	3.14E-09	4.57E-07	2.62E-08	4.67E-08	4.71E-10	7.34E-08	2.55E-08	4.02E-08	5.98E-10	6.63E-08	1.45E-08	2.22E-08	1.47E-10	3.68E-08
1498	742285.92	4109189.76	1.75E-07	2.94E-07	3.24E-09	4.72E-07	2.71E-08	4.82E-08	4.86E-10	7.58E-08	2.64E-08	4.15E-08	6.18E-10	6.85E-08	1.50E-08	2.29E-08	1.52E-10	3.80E-08
1499	742305.89	4109203.28	1.80E-07	3.03E-07	3.34E-09	4.87E-07	2.80E-08	4.97E-08	5.02E-10	7.82E-08	2.72E-08	4.28E-08	6.37E-10	7.06E-08	1.54E-08	2.36E-08	1.57E-10	3.92E-08
1500	742325.86	4109216.79	1.86E-07	3.13E-07	3.45E-09	5.03E-07	2.88E-08	5.13E-08	5.18E-10	8.07E-08	2.81E-08	4.42E-08	6.57E-10	7.29E-08	1.59E-08	2.44E-08	1.62E-10	4.05E-08
1501	742345.83	4109230.31	1.93E-07	3.24E-07	3.57E-09	5.20E-07	2.99E-08	5.31E-08	5.36E-10	8.35E-08	2.90E-08	4.57E-08	6.80E-10	7.54E-08	1.65E-08	2.52E-08	1.68E-10	4.19E-08
1502	742365.8	4109243.83	2.00E-07	3.37E-07	3.71E-09	5.41E-07	3.11E-08	5.53E-08	5.57E-10	8.69E-08	3.02E-08	4.75E-08	7.07E-10	7.84E-08	1.72E-08	2.62E-08	1.74E-10	4.36E-08
1503	742385.77	4109257.34	2.10E-07	3.53E-07	3.89E-09	5.66E-07	3.25E-08	5.78E-08	5.83E-10	9.09E-08	3.16E-08	4.97E-08	7.40E-10	8.21E-08	1.80E-08	2.74E-08	1.83E-10	4.56E-08
1504	742405.74	4109270.86	2.20E-07	3.71E-07	4.09E-09	5.95E-07	3.42E-08	6.08E-08	6.13E-10	9.56E-08	3.32E-08	5.23E-08	7.79E-10	8.63E-08	1.89E-08	2.89E-08	1.92E-10	4.79E-08
1505	742425.71	4109284.38	2.33E-07	3.92E-07	4.32E-09	6.29E-07	3.61E-08	6.43E-08	6.48E-10	1.01E-07	3.51E-08	5.53E-08	8.23E-10	9.13E-08	2.00E-08	3.05E-08	2.03E-10	5.07E-08
1506	742445.69	4109297.89	2.47E-07	4.16E-07	4.58E-09	6.68E-07	3.83E-08	6.82E-08	6.88E-10	1.07E-07	3.73E-08	5.87E-08	8.73E-10	9.68E-08	2.12E-08	3.24E-08	2.15E-10	5.38E-08
1507	742465.66	4109311.41	2.63E-07	4.43E-07	4.88E-09	7.10E-07	4.08E-08	7.26E-08	7.32E-10	1.14E-07	3.97E-08	6.24E-08	9.29E-10	1.03E-07	2.25E-08	3.44E-08	2.29E-10	5.72E-08
1508	742485.63	4109324.92	2.81E-07	4.72E-07	5.21E-09	7.58E-07	4.35E-08	7.75E-08	7.81E-10	1.22E-07	4.23E-08	6.67E-08	9.92E-10	1.10E-07	2.41E-08	3.68E-08	2.45E-10	6.11E-08
1509	742505.6	4109338.44	3.00E-07	5.05E-07	5.57E-09	8.11E-07	4.66E-08	8.28E-08	8.35E-10	1.30E-07	4.53E-08	7.13E-08	1.06E-09	1.18E-07	2.57E-08	3.93E-08	2.62E-10	6.53E-08
1510	742525.57	4109351.96	3.21E-07	5.40E-07	5.96E-09	8.68E-07	4.98E-08	8.86E-08	8.94E-10	1.39E-07	4.84E-08	7.62E-08	1.13E-09	1.26E-07	2.75E-08	4.21E-08	2.80E-10	6.99E-08
1511	742545.54	4109365.47	3.43E-07	5.77E-07	6.36E-09	9.27E-07	5.32E-08	9.46E-08	9.54E-10	1.49E-07	5.17E-08	8.14E-08	1.21E-09	1.34E-07	2.94E-08	4.49E-08	2.99E-10	7.46E-08
1512	742565.51	4109378.99	3.65E-07	6.14E-07	6.77E-09	9.86E-07	5.66E-08	1.01E-07	1.02E-09	1.58E-07	5.51E-08	8.67E-08	1.29E-09	1.43E-07	3.13E-08	4.78E-08	3.18E-10	7.94E-08
1513	742585.48	4109392.51	3.87E-07	6.51E-07	7.17E-09	1.04E-06	6.00E-08	1.07E-07	1.08E-09	1.68E-07	5.83E-08	9.18E-08	1.37E-09	1.52E-07	3.31E-08	5.06E-08	3.37E-10	8.41E-08
1514	742605.45	4109406.02	4.08E-07	6.87E-07	7.57E-09	1.10E-06	6.33E-08	1.13E-07	1.14E-09	1.77E-07	6.15E-08	9.68E-08	1.44E-09	1.60E-07	3.50E-08	5.34E-08	3.55E-10	8.87E-08
1515	742625.42	4109419.54	4.27E-07	7.19E-07	7.93E-09	1.15E-06	6.63E-08	1.18E-07	1.19E-09	1.85E-07	6.45E-08	1.01E-07	1.51E-09	1.67E-07	3.66E-08	5.60E-08	3.72E-10	9.30E-08
1516	742645.39	4109433.06	4.44E-07	7.48E-07	8.24E-09	1.20E-06	6.89E-08	1.23E-07	1.24E-09	1.93E-07	6.70E-08	1.06E-07	1.57E-09	1.74E-07	3.81E-08	5.82E-08	3.87E-10	9.67E-08
1517	741704.28	4109245.39	1.23E-07	2.08E-07	2.29E-09	3.33E-07	1.91E-08	3.40E-08	3.43E-10	5.35E-08	1.86E-08	2.93E-08	4.36E-10	4.83E-08	1.06E-08	1.62E-08	1.07E-10	2.68E-08
1518	741683.64	4109258.65	1.25E-07	2.10E-07	2.32E-09	3.38E-07	1.94E-08	3.45E-08	3.48E-10	5.42E-08	1.88E-08	2.97E-08	4.42E-10	4.90E-08	1.07E-08	1.64E-08	1.09E-10	2.72E-08
1519	741663	4109271.91	1.27E-07	2.14E-07	2.35E-09	3.43E-07	1.97E-08	3.50E-08	3.53E-10	5.50E-08	1.91E-08	3.01E-08	4.48E-10	4.97E-08	1.09E-08	1.66E-08	1.11E-10	2.76E-08
1520	741642.36	4109285.16	1.29E-07	2.17E-07	2.40E-09	3.49E-07	2.00E-08	3.56E-08	3.59E-10	5.60E-08	1.95E-08	3.07E-08	4.56E-10	5.06E-08	1.11E-08	1.69E-08	1.12E-10	2.81E-08
1521	741621.73	4109298.42	1.32E-07	2.21E-07	2.44E-09	3.55E-07	2.04E-08	3.63E-08	3.66E-10	5.71E-08	1.98E-08	3.12E-08	4.65E-10	5.15E-08	1.13E-08	1.72E-08	1.15E-10	2.86E-08
1522	741601.09	4109311.68	1.34E-07	2.25E-07	2.48E-09	3.62E-07	2.08E-08	3.69E-08	3.73E-10	5.81E-08	2.02E-08	3.18E-08	4.73E-10	5.25E-08	1.15E-08	1.75E-08	1.17E-10	2.91E-08
1523	741580.45	4109324.93	1.36E-07	2.29E-07	2.52E-09	3.67E-07	2.11E-08	3.75E-08	3.78E-10	5.90E-08	2.05E-08	3.23E-08	4.81E-10	5.33E-08	1.17E-08	1.78E-08	1.19E-10	2.96E-08
1524	741620.15	4109072.7	8.57E-08	1.44E-07	1.59E-09	2.32E-07	1.33E-08	2.36E-08	2.38E-10	3.72E-08	1.29E-08	2.03E-08	3.03E-10	3.36E-08	7.34E-09	1.12E-08	7.47E-11	1.86E-08
1525	741644.1	4109068.29	8.62E-08	1.45E-07	1.60E-09	2.33E-07	1.34E-08	2.38E-08	2.40E-10	3.74E-08	1.30E-08	2.05E-08	3.05E-10	3.38E-08	7.39E-09	1.13E-08	7.51E-11	1.88E-08
1526	741668.06	4109063.87	8.69E-08	1.46E-07	1.61E-09	2.35E-07	1.35E-08	2.40E-08	2.42E-10	3.77E-08	1.31E-08	2.06E-08	3.07E-10	3.40E-08	7.44E-09	1.14E-08	7.57E-11	1.89E-08
1527	741692.02	4109059.45	8.76E-08	1.47E-07	1.62E-09	2.37E-07	1.36E-08	2.42E-08	2.44E-10	3.80E-08	1.32E-08	2.08E-08	3.09E-10	3.43E-08	7.50E-09	1.15E-08	7.63E-11	1.90E-08
1528	741715.97	4109055.04	8.83E-08	1.49E-07	1.64E-09	2.38E-07	1.37E-08	2.44E-08	2.46E-10	3.83E-08	1.33E-08	2.10E-08	3.12E-10	3.46E-08	7.56E-09	1.16E-08	7.69E-11	1.92E-08
1529	741739.93	4109050.62	8.90E-08	1.50E-07	1.65E-09	2.40E-07	1.38E-08	2.46E-08	2.48E-10	3.86E-08	1.34E-08	2.11E-08	3.14E-10	3.49E-08	7.63E-09	1.17E-08	7.75E-11	1.94E-08
1530	741763.89	4109046.2	8.98E-08	1.51E-07	1.67E-09	2.43E-07	1.39E-08	2.48E-08	2.50E-10	3.90E-08	1.35E-08	2.13E-08	3.17E-10	3.52E-08	7.70E-09	1.18E-08	7.83E-11	1.95E-08
1531	741787.85	4109041.79	9.08E-08	1.53E-07	1.68E-09	2.45E-07	1.41E-08	2.51E-08	2.53E-10	3.94E-08	1.37E-08	2.16E-08	3.21E-10	3.56E-08	7.78E-09	1.19E-08	7.91E-11	1.98E-08
1532	741811.8	4109037.37	9.19E-08	1.55E-07	1.71E-09	2.48E-07	1.43E-08	2.54E-08	2.56E-10	3.99E-08	1.39E-08	2.18E-08	3.25E-10	3.60E-08	7.88E-09	1.20E-08	8.01E-11	2.00E-08
1533	741835.76	4109032.95	9.32E-08	1.57E-07	1.73E-09	2.52E-07	1.45E-08	2.57E-08	2.59E-10	4.04E-08	1.41E-08	2.21E-08	3.29E-10	3.65E-08	7.98E-09	1.22E-08	8.12E-11	2.03E-08
1534	741859.72	4109028.54	9.45E-08	1.59E-07	1.75E-09	2.55E-07	1.46E-08	2.61E-08	2.63E-10	4.10E-08	1.42E-08	2.24E-08	3.34E-10	3.70E-08	8.09E-09	1.24E-08	8.23E-11	2.05E-08
1535	741883.67	4109024.12	9.57E-08	1.61E-07	1.77E-09	2.58E-07	1.48E-08	2.64E-08	2.66E-10	4.15E-08	1.44E-08	2.27E-08	3.38E-10	3.75E-08	8.20E-09	1.25E-08	8.33E-11	2.08E-08
1536	741907.63	4109019.7	9.67E-08	1.63E-07	1.79E-09	2.61E-07	1.50E-08	2.67E-08	2.69E-10	4.20E-08	1.46E-08	2.30E-08	3.42E-10	3.79E-08	8.29E-09	1.27E-08	8.43E-11	2.10E-08
1537	741931.59	4109015.29	9.77E-08	1.64E-07	1.81E-09	2.64E-07	1.51E-08	2.69E-08	2.72E-10	4.24E-08	1.47E-08	2.32E-08	3.45E-10	3.83E-08	8.37E-09	1.28E-08	8.51E-11	2.12E-08
1538	741955.55	4109010.87	9.85E-08	1.66E-07	1.83E-09	2.66E-07	1.53E-08	2.72E-08	2.74E-10	4.27E-08	1.49E-08	2.34E-08	3.48E-10	3.86E-08	8.44E-09	1.29E-08	8.58E-11	2.14E-08
1539	741979.5	4109006.45	9.94E-08	1.67E-07	1.84E-09	2.69E-07	1.54E-08	2.74E-08	2.77E-10	4.31E-08	1.50E-08	2.36E-08	3.51E-10	3.89E-08	8.52E-09	1.30E-08	8.66E-11	2.16E-08
1540	742003.46	4109002.04	1.00E-07	1.69E-07	1.86E-09	2.71E-07	1.55E-08	2.77E-08	2.79E-10	4.35E-08	1.51E-08	2.38E-08	3.54E-10	3.93E-08	8.59E-09	1.31E-08	8.73E-11	2.18E-08
1541	742027.42	4108997.62	1.01E-07	1.70E-07	1.87E-09	2.73E-07	1.57E-08	2.79E-08	2.81E-10	4.38E-08	1.52E-08	2.40E-08	3.57E-10	3.96E-08	8.66E-09	1.32E-08	8.80E-11	2.20E-08
1542	742051.37	4108993.2	1.02E-07	1.71E-07	1.89E-09	2.75E-07	1.58E-08	2.81E-08	2.83E-10	4.42E-08	1.54E-08	2.42E-08	3.60E-10	3.99E-08	8.73E-09	1.33E-08	8.87E-11	2.21E-08
1543	742075.33	4108988.79	1.03E-07	1.73E-07	1.90E-09	2.77E-07	1.59E-08	2.83E-08	2.85E-10	4.45E-08	1.55E-08	2.44E-08	3.62E-10	4.02E-08	8.79E-09	1.34E-08	8.94E-11	2.23E-08
1544	742099.29	4108984.37	1.03E-07	1.74E-07	1.92E-09	2.79E-07	1.60E-08	2.85E-08	2.88E-10	4.48E-08	1.56E-08	2.45E-08	3.65E-10	4.05E-08	8.85E-09	1.35E-08	9.00E-11	2.25E-08
1545	742123.24	4108979.95	1.04E-07	1.75E-07	1.93E-09	2.81E-07	1.62E-08	2.87E-08	2.90E-10	4.52E-08	1.57E-08	2.47E-08	3.68E-10	4.08E-08	8.93E-09	1.36E-08	9.08E-11	2.27E-08
1546	742147.2	4108975.54	1.05E-07	1.77E-07	1.95E-09	2.84E-07	1.63E-08	2.90E-08	2.93E-10	4.56E-08	1.59E-08	2.50E-08	3.71E-10	4.12E-08	9.01E-09	1.38E-08	9.16E-11	2.29E-08
1547	742171.16	4108971.12	1.06E-07	1.79E-07	1.97E-09	2.87E-07	1.65E-08	2.93E-08	2.96E-10	4.61E-08	1.60E-08	2.52E-08	3.75E-10	4.16E-08	9.10E-09	1.39E-08	9.25E-11	2.31E-08
1548	742195.12	4108966.7	1.07E-07	1.81E-07	1.99E-09	2.90E-07	1.67E-08	2.96E-08	2.99E-10	4.66E-08	1.62E-08	2.55E-08	3.79E-10	4.21E-08	9.20E-09	1.41E-08	9.36E-11	2.34E-08
1549	742219.07	4108962.29	1.09E-07	1.83E-07	2.01E-09	2.93E-07	1.68E-08	3.00E-08	3.02E-10	4.71E-08	1.64E-08	2.58E-08	3.84E-10	4.26E-08	9.31E-09	1.42E-08	9.46E-11	2.36E-08
1550	742243.03	4108957.87	1.10E-07	1.85E-07	2.04E-09	2.96E-07	1.70E-08	3.03E-08	3.05E-10	4.76E-08	1.65E-08	2.60E-08	3.88E-10	4.30E-08	9.40E-09	1.44E-08	9.56E-11	2.39E-08
1551	742287.16	4108967.11	1.14E-07	1.92E-07	2.12E-09	3.09E-07	1.77E-08	3.16E-08	3.18E-10	4.96E-08	1.72E-08	2.72E-08	4.04E-10	4.48E-08	9.80E-09	1.50E-08	9.96E-11	2.49E-08
1552	742307.34	4108980.76	1.18E-07	1.98E-07	2.19E-09	3.18E-07	1.83E-08	3.25E-08	3.28E-10	5.11E-08	1.78E-08	2.80E-08	4.16E-10	4.62E-08	1.01E-08	1.54E-08	1.03E-10	2.56E-08
1553	742327.51	4108994.42	1.21E-07	2.04E-07	2.25E-09	3.27E-07	1.88E-08	3.34E-08	3.37E-10	5.25E-08	1.83E-08	2.87E-08	4.28E-10	4.74E-08	1.04E-08	1.58E-08	1.05E-10	2.63E-08
1554	742347.68	4109008.07	1.24E-07	2.09E-07	2.30E-09	3.35E-07	1.92E-08	3.42E-08	3.45E-10	5.38E-08	1.87E-08	2.94E-08	4.38E-10	4.85E-08	1.06E-08	1.62E-08	1.08E-10	2.70E-08
1555	742367.86	4109021.72	1.27E-07	2.13E-07	2.35E-09	3.42E-07	1.96E-08	3.49E-08	3.52E-10	5.49E-08	1.91E-08	3.01E-08	4.47E-10	4.96E-08	1.09E-08	1.66E-08	1.10E-10	2.75E-08
1556	742388.03	4109035.38	1.29E-07	2.18E-07	2.40E-09	3.50E-07	2.01E-08	3.57E-08	3.60E-10	5.61E-08	1.95E-08	3.07E-08	4.57E-10	5.07E-08	1.11E-08	1.69E-08	1.13E-10	2.82E-08
1557	742408.21	4109049.03	1.32E-07	2.23E-07	2.46E-09	3.58E-07	2.05E-08	3.65E-08	3.69E-10	5.75E-08	2.00E-08	3.14E-08	4.68E-10	5.19E-08	1.14E-08	1.73E-08	1.15E-10	2.88E-08
1558	742428.38	4109062.69	1.36E-07	2.29E-07	2.52E-09	3.67E-07	2.11E-08	3.75E-08	3.78E-10	5.89E-08	2.05E-08	3.23E-08	4.80E-10	5.32E-08	1.16E-08	1.78E-08	1.18E-10	2.96E-08
1559	742448.56	4109076.34	1.40E-07	2.35E-07	2.59E-09	3.78E-07	2.17E-08	3.86E-08	3.89E-10	6.06E-08	2.11E-08	3.32E-08	4.94E-10	5.48E-08	1.20E-08	1.83E-08	1.22E-10	3.04E-08
1560	742468.73	4109090	1.44E-07	2.43E-07	2.68E-09	3.90E-07	2.24E-08	3.98E-08	4.01E-10	6.26E-08	2.18E-08	3.43E-08	5.10E-10	5.65E-08	1.24E-08	1.89E-08	1.26E-10	3.14E-08
1561	742488.9	4109103.65	1.49E-07	2.51E-07	2.77E-09	4.04E-07	2.32E-08	4.12E-08	4.16E-10	6.48E-08	2.25E-08	3.55E-08	5.28E-10	5.85E-08	1.28E-08	1.96E-08	1.30E-10	3.25E-08
1562	742509.08	4109117.31	1.55E-07	2.61E-07	2.88E-09	4.19E-07	2.41E-08	4.28E-08	4.32E-10	6.73E-08	2.34E-08	3.69E-08	5.48E-10	6.08E-08	1.33E-08	2.03E-08	1.35E-10	3.38E-08
1563	742529.25	4109130.96	1.62E-07	2.73E-07	3.01E-09	4.38E-07	2.51E-08	4.47E-08	4.51E-10	7.03E-08	2.44E-08	3.85E-08	5.72E-10	6.35E-08	1.39E-08	2.12E-08	1.41E-10	3.52E-08
1564	742549.43	4109144.62	1.70E-07	2.86E-07	3.15E-09	4.59E-07	2.64E-08	4.69E-08	4.73E-10	7.37E-08	2.56E-08	4.04E-08	6.00E-10	6.66E-08	1.46E-08	2.23E-08	1.48E-10	3.70E-08
1565	742569.6	4109158.27	1.79E-07	3.01E-07	3.32E-09	4.84E-07	2.78E-08	4.94E-08	4.98E-10	7.77E-08	2.70E-08	4.25E-08	6.33E-10	7.02E-08	1.53E-08	2.35E-08	1.56E-10	3.90E-08
1566	742589.78	4109171.92	1.89E-07	3.19E-07	3.51E-09	5.12E-07	2.94E-08	5.23E-08	5.27E-10	8.22E-08	2.86E-08	4.50E-08	6.69E-10	7.42E-08	1.62E-08	2.48E-08	1.65E-10	4.12E-08
1567	742609.95	4109185.58	2.01E-07	3.38E-07	3.72E-09	5.42E-07	3.11E-08	5.54E-08	5.58E-10	8.70E-08	3.03E-08	4.76E-08	7.09E-10	7.86E-08	1.72E-08	2.63E-08	1.75E-10	4.36E-08
1568	742630.12	4109199.23	2.13E-07	3.58E-07	3.95E-09	5.75E-07	3.30E-08	5.87E-08	5.92E-10	9.23E-08	3.21E-08	5.05E-08	7.52E-10	8.34E-08	1.82E-08	2.79E-08	1.85E-10	4.63E-08
1569	742650.3	4109212.89	2.26E-07	3.80E-07	4.18E-09	6.09E-07	3.50E-08	6.22E-08	6.27E-10	9.78E-08	3.40E-08	5.35E-08	7.97E-10	8.83E-08	1.93E-08	2.95E-08	1.96E-10	4.91E-08
1570	742670.47	4109226.54	2.38E-07	4.01E-07	4.42E-09	6.44E-07	3.70E-08	6.58E-08	6.63E-10	1.03E-07	3.59E-08	5.66E-08	8.42E-10	9.34E-08	2.04E-08	3.12E-08	2.08E-10	5.18E-08
1571	742690.65	4109240.2	2.51E-07	4.22E-07	4.65E-09	6.77E-07	3.89E-08	6.92E-08	6.98E-10	1.09E-07	3.78E-08	5.95E-08	8.86E-10	9.82E-08	2.15E-08	3.28E-08	2.18E-10	5.45E-08
1572	742710.82	4109253.85	2.63E-07	4.42E-07	4.87E-09	7.10E-07	4.07E-08	7.25E-08	7.31E-10	1.14E-07	3.96E-08	6.24E-08	9.28E-10	1.03E-07	2.25E-08	3.44E-08	2.29E-10	5.71E-08
1573	742731	4109267.51	2.74E-07	4.61E-07	5.08E-09	7.40E-07	4.25E-08	7.56E-08	7.62E-10	1.19E-07	4.13E-08	6.51E-08	9.68E-10	1.07E-07	2.35E-08	3.59E-08	2.39E-10	5.96E-08
1574	742751.17	4109281.16	2.84E-07	4.78E-07	5.27E-09	7.67E-07	4.41E-08	7.84E-08	7.90E-10	1.23E-07	4.28E-08	6.74E-08	1.00E-09	1.11E-07	2.43E-08	3.72E-08	2.47E-10	6.18E-08
1575	742771.34	4109294.81	2.93E-07	4.93E-07	5.43E-09	7.92E-07	4.54E-08	8.08E-08	8.15E-10	1.27E-07	4.42E-08	6.96E-08	1.04E-09	1.15E-07	2.51E-08	3.84E-08	2.55E-10	6.37E-08
1576	742791.52	4109308.47	3.01E-07	5.06E-07	5.58E-09	8.12E-07	4.66E-08	8.30E-08	8.37E-10	1.30E-07	4.53E-08	7.14E-08	1.06E-09	1.18E-07	2.58E-08	3.94E-08	2.62E-10	6.54E-08
1577	742811.69	4109322.12	3.07E-07	5.17E-07	5.69E-09	8.29E-07	4.76E-08	8.47E-08	8.54E-10	1.33E-07	4.63E-08	7.29E-08	1.08E-09	1.20E-07	2.63E-08	4.02E-08	2.67E-10	6.68E-08
1578	741596.19	4109077.12	8.53E-08	1.44E-07	1.58E-09	2.31E-07	1.32E-08	2.35E-08	2.37E-10	3.70E-08	1.29E-08	2.03E-08	3.01E-10	3.34E-08	7.31E-09	1.12E-08	7.44E-11	1.86E-08
1579	741575.55	4109090.38	8.66E-08	1.46E-07	1.61E-09	2.34E-07	1.34E-08	2.39E-08	2.41E-10	3.76E-08	1.31E-08	2.06E-08	3.06E-10	3.39E-08	7.42E-09	1.13E-08	7.54E-11	1.88E-08
1580	741554.91	4109103.63	8.80E-08	1.48E-07	1.63E-09	2.38E-07	1.36E-08	2.43E-08	2.45E-10	3.82E-08	1.33E-08	2.09E-08	3.11E-10	3.45E-08	7.54E-09	1.15E-08	7.67E-11	1.91E-08

1581	741534.27	4109116.89	8.96E-08	1.51E-07	1.66E-09	2.42E-07	1.39E-08	2.47E-08	2.49E-10	3.89E-08	1.35E-08	2.13E-08	3.16E-10	3.51E-08	7.68E-09	1.17E-08	7.80E-11	1.95E-08
1582	741513.64	4109130.15	9.13E-08	1.54E-07	1.69E-09	2.47E-07	1.42E-08	2.52E-08	2.54E-10	3.96E-08	1.38E-08	2.17E-08	3.22E-10	3.58E-08	7.82E-09	1.20E-08	7.95E-11	1.99E-08
1583	741493	4109143.4	9.29E-08	1.56E-07	1.72E-09	2.51E-07	1.44E-08	2.56E-08	2.59E-10	4.03E-08	1.40E-08	2.21E-08	3.28E-10	3.64E-08	7.96E-09	1.22E-08	8.10E-11	2.02E-08
1584	741472.36	4109156.66	9.45E-08	1.59E-07	1.75E-09	2.55E-07	1.47E-08	2.61E-08	2.63E-10	4.10E-08	1.42E-08	2.24E-08	3.34E-10	3.70E-08	8.10E-09	1.24E-08	8.23E-11	2.06E-08
1585	741512.21	4108904.4	6.36E-08	1.07E-07	1.18E-09	1.72E-07	9.86E-09	1.76E-08	1.77E-10	2.76E-08	9.59E-09	1.51E-08	2.25E-10	2.49E-08	5.45E-09	8.33E-09	5.54E-11	1.38E-08
1586	741536.33	4108899.95	6.38E-08	1.07E-07	1.18E-09	1.72E-07	9.90E-09	1.76E-08	1.78E-10	2.77E-08	9.62E-09	1.52E-08	2.25E-10	2.50E-08	5.47E-09	8.36E-09	5.56E-11	1.39E-08
1587	741560.44	4108895.51	6.41E-08	1.08E-07	1.19E-09	1.73E-07	9.94E-09	1.77E-08	1.78E-10	2.78E-08	9.67E-09	1.52E-08	2.26E-10	2.51E-08	5.49E-09	8.39E-09	5.59E-11	1.39E-08
1588	741584.55	4108891.06	6.45E-08	1.09E-07	1.20E-09	1.74E-07	1.00E-08	1.78E-08	1.79E-10	2.80E-08	9.73E-09	1.53E-08	2.28E-10	2.53E-08	5.53E-09	8.44E-09	5.62E-11	1.40E-08
1589	741608.67	4108886.62	6.50E-08	1.09E-07	1.21E-09	1.76E-07	1.01E-08	1.79E-08	1.81E-10	2.82E-08	9.80E-09	1.54E-08	2.29E-10	2.54E-08	5.57E-09	8.51E-09	5.66E-11	1.41E-08
1590	741632.78	4108882.17	6.55E-08	1.10E-07	1.21E-09	1.77E-07	1.02E-08	1.81E-08	1.82E-10	2.84E-08	9.87E-09	1.55E-08	2.31E-10	2.57E-08	5.61E-09	8.57E-09	5.70E-11	1.42E-08
1591	741656.9	4108877.72	6.60E-08	1.11E-07	1.22E-09	1.78E-07	1.02E-08	1.82E-08	1.84E-10	2.86E-08	9.96E-09	1.57E-08	2.33E-10	2.59E-08	5.66E-09	8.65E-09	5.75E-11	1.44E-08
1592	741681.01	4108873.28	6.67E-08	1.12E-07	1.24E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.01E-08	1.58E-08	2.36E-10	2.61E-08	5.71E-09	8.73E-09	5.81E-11	1.45E-08
1593	741705.12	4108868.83	6.73E-08	1.13E-07	1.25E-09	1.82E-07	1.04E-08	1.86E-08	1.87E-10	2.92E-08	1.01E-08	1.60E-08	2.38E-10	2.64E-08	5.77E-09	8.81E-09	5.86E-11	1.46E-08
1594	741729.24	4108864.39	6.80E-08	1.14E-07	1.26E-09	1.84E-07	1.05E-08	1.87E-08	1.89E-10	2.95E-08	1.02E-08	1.61E-08	2.40E-10	2.66E-08	5.82E-09	8.90E-09	5.92E-11	1.48E-08
1595	741753.35	4108859.94	6.87E-08	1.16E-07	1.27E-09	1.85E-07	1.06E-08	1.89E-08	1.91E-10	2.98E-08	1.04E-08	1.63E-08	2.43E-10	2.69E-08	5.88E-09	8.99E-09	5.98E-11	1.49E-08
1596	741777.46	4108855.5	6.94E-08	1.17E-07	1.29E-09	1.87E-07	1.08E-08	1.91E-08	1.93E-10	3.01E-08	1.05E-08	1.65E-08	2.45E-10	2.72E-08	5.95E-09	9.09E-09	6.05E-11	1.51E-08
1597	741801.58	4108851.05	7.02E-08	1.18E-07	1.30E-09	1.90E-07	1.09E-08	1.94E-08	1.95E-10	3.04E-08	1.06E-08	1.67E-08	2.48E-10	2.75E-08	6.01E-09	9.19E-09	6.11E-11	1.53E-08
1598	741825.69	4108846.61	7.09E-08	1.19E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.97E-10	3.08E-08	1.07E-08	1.68E-08	2.51E-10	2.78E-08	6.08E-09	9.29E-09	6.18E-11	1.54E-08
1599	741849.8	4108842.16	7.17E-08	1.21E-07	1.33E-09	1.94E-07	1.11E-08	1.98E-08	1.99E-10	3.11E-08	1.08E-08	1.70E-08	2.53E-10	2.81E-08	6.14E-09	9.38E-09	6.24E-11	1.56E-08
1600	741873.92	4108837.71	7.24E-08	1.22E-07	1.34E-09	1.96E-07	1.12E-08	2.00E-08	2.01E-10	3.14E-08	1.09E-08	1.72E-08	2.56E-10	2.84E-08	6.20E-09	9.48E-09	6.31E-11	1.57E-08
1601	741898.03	4108833.27	7.31E-08	1.23E-07	1.36E-09	1.97E-07	1.13E-08	2.02E-08	2.03E-10	3.17E-08	1.10E-08	1.74E-08	2.58E-10	2.86E-08	6.26E-09	9.57E-09	6.37E-11	1.59E-08
1602	741922.15	4108828.82	7.38E-08	1.24E-07	1.37E-09	1.99E-07	1.14E-08	2.04E-08	2.05E-10	3.20E-08	1.11E-08	1.75E-08	2.61E-10	2.89E-08	6.32E-09	9.66E-09	6.43E-11	1.60E-08
1603	741946.26	4108824.38	7.44E-08	1.25E-07	1.38E-09	2.01E-07	1.15E-08	2.05E-08	2.07E-10	3.23E-08	1.12E-08	1.77E-08	2.63E-10	2.92E-08	6.38E-09	9.75E-09	6.49E-11	1.62E-08
1604	741970.37	4108819.93	7.50E-08	1.26E-07	1.39E-09	2.03E-07	1.16E-08	2.07E-08	2.09E-10	3.26E-08	1.13E-08	1.78E-08	2.65E-10	2.94E-08	6.43E-09	9.83E-09	6.54E-11	1.63E-08
1605	741994.49	4108815.49	7.56E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.09E-08	2.10E-10	3.28E-08	1.14E-08	1.79E-08	2.67E-10	2.96E-08	6.48E-09	9.90E-09	6.59E-11	1.64E-08
1606	742018.6	4108811.04	7.60E-08	1.28E-07	1.41E-09	2.05E-07	1.18E-08	2.10E-08	2.12E-10	3.30E-08	1.15E-08	1.80E-08	2.69E-10	2.98E-08	6.51E-09	9.96E-09	6.62E-11	1.65E-08
1607	742042.71	4108806.6	7.64E-08	1.29E-07	1.42E-09	2.06E-07	1.18E-08	2.11E-08	2.12E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.54E-09	1.00E-08	6.65E-11	1.66E-08
1608	742066.83	4108802.15	7.67E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.12E-08	2.13E-10	3.33E-08	1.16E-08	1.82E-08	2.71E-10	3.00E-08	6.57E-09	1.00E-08	6.68E-11	1.67E-08
1609	742090.94	4108797.7	7.69E-08	1.29E-07	1.43E-09	2.08E-07	1.19E-08	2.12E-08	2.14E-10	3.34E-08	1.16E-08	1.83E-08	2.72E-10	3.01E-08	6.59E-09	1.01E-08	6.70E-11	1.67E-08
1610	742115.05	4108793.26	7.72E-08	1.30E-07	1.43E-09	2.09E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.16E-08	1.83E-08	2.73E-10	3.03E-08	6.62E-09	1.01E-08	6.73E-11	1.68E-08
1611	742139.17	4108788.81	7.76E-08	1.31E-07	1.44E-09	2.10E-07	1.20E-08	2.14E-08	2.16E-10	3.37E-08	1.17E-08	1.84E-08	2.74E-10	3.04E-08	6.65E-09	1.02E-08	6.76E-11	1.69E-08
1612	742163.28	4108784.37	7.81E-08	1.31E-07	1.45E-09	2.11E-07	1.21E-08	2.16E-08	2.17E-10	3.39E-08	1.18E-08	1.85E-08	2.76E-10	3.06E-08	6.69E-09	1.02E-08	6.81E-11	1.70E-08
1613	742187.4	4108779.92	7.88E-08	1.33E-07	1.46E-09	2.13E-07	1.22E-08	2.17E-08	2.19E-10	3.42E-08	1.19E-08	1.87E-08	2.78E-10	3.09E-08	6.75E-09	1.03E-08	6.86E-11	1.71E-08
1614	742211.51	4108775.48	7.96E-08	1.34E-07	1.48E-09	2.15E-07	1.23E-08	2.20E-08	2.21E-10	3.45E-08	1.20E-08	1.89E-08	2.81E-10	3.12E-08	6.82E-09	1.04E-08	6.93E-11	1.73E-08
1615	742235.62	4108771.03	8.05E-08	1.35E-07	1.49E-09	2.17E-07	1.25E-08	2.22E-08	2.24E-10	3.49E-08	1.21E-08	1.91E-08	2.84E-10	3.15E-08	6.90E-09	1.05E-08	7.01E-11	1.75E-08
1616	742259.74	4108766.59	8.14E-08	1.37E-07	1.51E-09	2.20E-07	1.26E-08	2.25E-08	2.27E-10	3.53E-08	1.23E-08	1.93E-08	2.88E-10	3.19E-08	6.98E-09	1.07E-08	7.10E-11	1.77E-08
1617	742283.85	4108762.14	8.23E-08	1.39E-07	1.53E-09	2.22E-07	1.28E-08	2.27E-08	2.29E-10	3.57E-08	1.24E-08	1.95E-08	2.91E-10	3.22E-08	7.05E-09	1.08E-08	7.17E-11	1.79E-08
1618	742328.27	4108771.44	8.57E-08	1.44E-07	1.59E-09	2.31E-07	1.33E-08	2.36E-08	2.38E-10	3.72E-08	1.29E-08	2.03E-08	3.03E-10	3.36E-08	7.34E-09	1.12E-08	7.46E-11	1.86E-08
1619	742348.58	4108785.18	8.81E-08	1.48E-07	1.63E-09	2.38E-07	1.37E-08	2.43E-08	2.45E-10	3.82E-08	1.33E-08	2.09E-08	3.11E-10	3.45E-08	7.55E-09	1.15E-08	7.68E-11	1.92E-08
1620	742368.88	4108798.93	9.03E-08	1.52E-07	1.68E-09	2.44E-07	1.40E-08	2.49E-08	2.51E-10	3.92E-08	1.36E-08	2.14E-08	3.19E-10	3.54E-08	7.74E-09	1.18E-08	7.87E-11	1.96E-08
1621	742389.19	4108812.67	9.22E-08	1.55E-07	1.71E-09	2.49E-07	1.43E-08	2.54E-08	2.57E-10	4.00E-08	1.39E-08	2.19E-08	3.26E-10	3.61E-08	7.90E-09	1.21E-08	8.04E-11	2.01E-08
1622	742409.49	4108826.41	9.40E-08	1.58E-07	1.74E-09	2.54E-07	1.46E-08	2.59E-08	2.61E-10	4.08E-08	1.42E-08	2.23E-08	3.32E-10	3.68E-08	8.05E-09	1.23E-08	8.19E-11	2.04E-08
1623	742429.8	4108840.16	9.56E-08	1.61E-07	1.77E-09	2.58E-07	1.48E-08	2.64E-08	2.66E-10	4.15E-08	1.44E-08	2.27E-08	3.38E-10	3.74E-08	8.19E-09	1.25E-08	8.33E-11	2.08E-08
1624	742450.11	4108853.9	9.71E-08	1.63E-07	1.80E-09	2.62E-07	1.51E-08	2.68E-08	2.70E-10	4.21E-08	1.46E-08	2.31E-08	3.43E-10	3.80E-08	8.32E-09	1.27E-08	8.46E-11	2.11E-08
1625	742470.41	4108867.65	9.87E-08	1.66E-07	1.83E-09	2.67E-07	1.53E-08	2.72E-08	2.75E-10	4.28E-08	1.49E-08	2.34E-08	3.49E-10	3.86E-08	8.45E-09	1.29E-08	8.60E-11	2.15E-08
1626	742490.72	4108881.39	1.00E-07	1.69E-07	1.86E-09	2.71E-07	1.56E-08	2.77E-08	2.79E-10	4.35E-08	1.51E-08	2.38E-08	3.54E-10	3.93E-08	8.60E-09	1.31E-08	8.74E-11	2.18E-08
1627	742511.03	4108895.13	1.02E-07	1.72E-07	1.90E-09	2.76E-07	1.58E-08	2.82E-08	2.84E-10	4.43E-08	1.54E-08	2.43E-08	3.61E-10	4.00E-08	8.76E-09	1.34E-08	8.90E-11	2.22E-08
1628	742531.33	4108908.88	1.04E-07	1.76E-07	1.93E-09	2.82E-07	1.62E-08	2.88E-08	2.90E-10	4.52E-08	1.57E-08	2.48E-08	3.68E-10	4.09E-08	8.94E-09	1.37E-08	9.09E-11	2.27E-08
1629	742551.64	4108922.62	1.07E-07	1.80E-07	1.98E-09	2.88E-07	1.65E-08	2.94E-08	2.97E-10	4.63E-08	1.61E-08	2.53E-08	3.77E-10	4.18E-08	9.14E-09	1.40E-08	9.29E-11	2.32E-08
1630	742571.94	4108936.36	1.09E-07	1.84E-07	2.03E-09	2.96E-07	1.70E-08	3.02E-08	3.04E-10	4.75E-08	1.65E-08	2.60E-08	3.86E-10	4.29E-08	9.37E-09	1.43E-08	9.53E-11	2.38E-08
1631	742592.25	4108950.11	1.13E-07	1.90E-07	2.09E-09	3.04E-07	1.75E-08	3.11E-08	3.13E-10	4.88E-08	1.70E-08	2.67E-08	3.98E-10	4.41E-08	9.65E-09	1.47E-08	9.81E-11	2.45E-08
1632	742612.56	4108963.85	1.16E-07	1.96E-07	2.16E-09	3.14E-07	1.80E-08	3.21E-08	3.24E-10	5.05E-08	1.76E-08	2.76E-08	4.11E-10	4.56E-08	9.97E-09	1.52E-08	1.01E-10	2.53E-08
1633	742632.86	4108977.59	1.21E-07	2.03E-07	2.24E-09	3.27E-07	1.87E-08	3.33E-08	3.36E-10	5.24E-08	1.82E-08	2.87E-08	4.27E-10	4.73E-08	1.04E-08	1.58E-08	1.05E-10	2.63E-08
1634	742653.17	4108991.34	1.26E-07	2.12E-07	2.34E-09	3.41E-07	1.96E-08	3.48E-08	3.51E-10	5.47E-08	1.90E-08	2.99E-08	4.45E-10	4.94E-08	1.08E-08	1.65E-08	1.10E-10	2.74E-08
1635	742673.47	4109005.08	1.32E-07	2.22E-07	2.45E-09	3.57E-07	2.05E-08	3.64E-08	3.67E-10	5.73E-08	1.99E-08	3.14E-08	4.67E-10	5.17E-08	1.13E-08	1.73E-08	1.15E-10	2.87E-08
1636	742693.78	4109018.83	1.39E-07	2.33E-07	2.57E-09	3.75E-07	2.15E-08	3.83E-08	3.86E-10	6.02E-08	2.09E-08	3.29E-08	4.90E-10	5.43E-08	1.19E-08	1.82E-08	1.21E-10	3.02E-08
1637	742714.09	4109032.57	1.46E-07	2.46E-07	2.71E-09	3.94E-07	2.26E-08	4.03E-08	4.06E-10	6.33E-08	2.20E-08	3.46E-08	5.15E-10	5.72E-08	1.25E-08	1.91E-08	1.27E-10	3.17E-08
1638	742734.39	4109046.31	1.54E-07	2.59E-07	2.85E-09	4.15E-07	2.38E-08	4.24E-08	4.27E-10	6.66E-08	2.32E-08	3.65E-08	5.43E-10	6.02E-08	1.32E-08	2.01E-08	1.34E-10	3.34E-08
1639	742754.7	4109060.06	1.62E-07	2.72E-07	3.00E-09	4.37E-07	2.51E-08	4.46E-08	4.50E-10	7.01E-08	2.44E-08	3.84E-08	5.71E-10	6.33E-08	1.39E-08	2.12E-08	1.41E-10	3.52E-08
1640	742775	4109073.8	1.70E-07	2.86E-07	3.15E-09	4.58E-07	2.63E-08	4.68E-08	4.72E-10	7.36E-08	2.56E-08	4.03E-08	5.99E-10	6.65E-08	1.45E-08	2.22E-08	1.48E-10	3.69E-08
1641	742795.31	4109087.54	1.78E-07	2.99E-07	3.30E-09	4.80E-07	2.75E-08	4.90E-08	4.94E-10	7.71E-08	2.68E-08	4.22E-08	6.28E-10	6.96E-08	1.52E-08	2.33E-08	1.55E-10	3.86E-08
1642	742815.62	4109101.29	1.85E-07	3.12E-07	3.44E-09	5.01E-07	2.87E-08	5.11E-08	5.16E-10	8.04E-08	2.79E-08	4.40E-08	6.55E-10	7.26E-08	1.59E-08	2.43E-08	1.61E-10	4.03E-08
1643	742835.92	4109115.03	1.92E-07	3.24E-07	3.57E-09	5.20E-07	2.98E-08	5.31E-08	5.35E-10	8.35E-08	2.90E-08	4.57E-08	6.80E-10	7.54E-08	1.65E-08	2.52E-08	1.68E-10	4.19E-08
1644	742856.23	4109128.78	1.99E-07	3.35E-07	3.69E-09	5.38E-07	3.09E-08	5.49E-08	5.54E-10	8.64E-08	3.00E-08	4.73E-08	7.03E-10	7.80E-08	1.71E-08	2.61E-08	1.73E-10	4.33E-08
1645	742876.54	4109142.52	2.05E-07	3.45E-07	3.80E-09	5.54E-07	3.18E-08	5.66E-08	5.71E-10	8.90E-08	3.09E-08	4.87E-08	7.24E-10	8.03E-08	1.76E-08	2.69E-08	1.79E-10	4.46E-08
1646	742896.84	4109156.26	2.10E-07	3.54E-07	3.90E-09	5.68E-07	3.26E-08	5.80E-08	5.85E-10	9.13E-08	3.17E-08	4.99E-08	7.43E-10	8.24E-08	1.80E-08	2.75E-08	1.83E-10	4.58E-08
1647	742917.15	4109170.01	2.15E-07	3.62E-07	3.99E-09	5.81E-07	3.33E-08	5.93E-08	5.98E-10	9.33E-08	3.24E-08	5.10E-08	7.60E-10	8.42E-08	1.84E-08	2.82E-08	1.87E-10	4.68E-08
1648	742937.45	4109183.75	2.19E-07	3.69E-07	4.07E-09	5.92E-07	3.40E-08	6.05E-08	6.10E-10	9.51E-08	3.30E-08	5.20E-08	7.74E-10	8.59E-08	1.88E-08	2.87E-08	1.91E-10	4.77E-08
1649	742957.76	4109197.49	2.23E-07	3.75E-07	4.13E-09	6.02E-07	3.45E-08	6.15E-08	6.20E-10	9.66E-08	3.36E-08	5.29E-08	7.87E-10	8.73E-08	1.91E-08	2.92E-08	1.94E-10	4.85E-08
1650	742978.07	4109211.24	2.26E-07	3.80E-07	4.19E-09	6.10E-07	3.50E-08	6.23E-08	6.28E-10	9.80E-08	3.41E-08	5.36E-08	7.98E-10	8.85E-08	1.94E-08	2.96E-08	1.97E-10	4.91E-08
1651	741488.1	4108908.84	6.36E-08	1.07E-07	1.18E-09	1.72E-07	9.86E-09	1.75E-08	1.77E-10	2.76E-08	9.58E-09	1.51E-08	2.25E-10	2.49E-08	5.45E-09	8.32E-09	5.54E-11	1.38E-08
1652	741467.46	4108922.1	6.45E-08	1.09E-07	1.20E-09	1.74E-07	1.00E-08	1.78E-08	1.79E-10	2.80E-08	9.73E-09	1.53E-08	2.28E-10	2.53E-08	5.53E-09	8.44E-09	5.62E-11	1.40E-08
1653	741446.82	4108935.36	6.56E-08	1.10E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.82E-10	2.84E-08	9.89E-09	1.56E-08	2.32E-10	2.57E-08	5.62E-09	8.58E-09	5.71E-11	1.43E-08
1654	741426.19	4108948.61	6.67E-08	1.12E-07	1.24E-09	1.80E-07	1.03E-08	1.84E-08	1.86E-10	2.89E-08	1.01E-08	1.58E-08	2.36E-10	2.61E-08	5.72E-09	8.73E-09	5.81E-11	1.45E-08
1655	741405.55	4108961.87	6.79E-08	1.14E-07	1.26E-09	1.83E-07	1.05E-08	1.87E-08	1.89E-10	2.94E-08	1.02E-08	1.61E-08	2.40E-10	2.66E-08	5.82E-09	8.89E-09	5.91E-11	1.48E-08
1656	741384.91	4108975.13	6.91E-08	1.16E-07	1.28E-09	1.87E-07	1.07E-08	1.91E-08	1.92E-10	3.00E-08	1.04E-08	1.64E-08	2.44E-10	2.71E-08	5.92E-09	9.05E-09	6.02E-11	1.50E-08
1657	741364.27	4108988.38	7.03E-08	1.18E-07	1.30E-09	1.90E-07	1.09E-08	1.94E-08	1.96E-10	3.05E-08	1.06E-08	1.67E-08	2.48E-10	2.75E-08	6.02E-09	9.20E-09	6.12E-11	1.53E-08
1658	741403.64	4108736.21	4.98E-08	8.38E-08	9.23E-10	1.34E-07	7.72E-09	1.37E-08	1.38E-10	2.16E-08	7.51E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.52E-09	4.34E-11	1.08E-08
1659	741427.28	4108731.85	4.98E-08	8.38E-08	9.24E-10	1.35E-07	7.72E-09	1.37E-08	1.39E-10	2.16E-08	7.51E-09	1.18E-08	1.76E-10	1.95E-08	4.27E-09	6.52E-09	4.34E-11	1.08E-08
1660	741450.91	4108727.5	4.99E-08	8.40E-08	9.26E-10	1.35E-07	7.74E-09	1.38E-08	1.39E-10	2.16E-08	7.52E-09	1.18E-08	1.76E-10	1.95E-08	4.28E-09	6.53E-09	4.35E-11	1.09E-08
1661	741474.54	4108723.14	5.01E-08	8.43E-08	9.29E-10	1.35E-07	7.76E-09	1.38E-08	1.39E-10	2.17E-08	7.55E-09	1.19E-08	1.77E-10	1.96E-08	4.29E-09	6.56E-09	4.36E-11	1.09E-08
1662	741498.17	4108718.78	5.03E-08	8.46E-08	9.33E-10	1.36E-07	7.80E-09	1.39E-08	1.40E-10	2.18E-08	7.58E-09	1.19E-08	1.78E-10	1.97E-08	4.31E-09	6.59E-09	4.38E-11	1.09E-08
1663	741521.81	4108714.43	5.06E-08	8.51E-08	9.38E-10	1.37E-07	7.85E-09	1.40E-08	1.41E-10	2.19E-08	7.63E-09	1.20E-08	1.79E-10	1.98E-08	4.33E-09	6.62E-09	4.41E-11	1.10E-08
1664	741545.44	4108710.07	5.09E-08	8.57E-08	9.45E-10	1.38E-07	7.90E-09	1.41E-08	1.42E-10	2.21E-08	7.68E-09	1.21E-08	1.80E-10	2.00E-08	4.36E-09	6.67E-09	4.44E-11	1.11E-08
1665	741569.07	4108705.71	5.13E-08	8.64E-08	9.52E-10	1.39E-07	7.96E-09	1.42E-08	1.43E-10	2.23E-08	7.74E-09	1.22E-08	1.81E-10	2.01E-08	4.40E-09	6.72E-09	4.47E-11	1.12E-08
1666	741592.7	4108701.36	5.18E-08	8.71E-08	9.60E-10	1.40E-07	8.03E-09	1.43E-08	1.44E-10	2.25E-08	7.81E-09	1.23E-08	1.83E-10	2.03E-08	4.44E-09	6.78E-09	4.51E-11	1.13E-08
1667	741616.34	4108697	5.22E-08	8.79E-08	9.69E-10	1.41E-07	8.10E-09	1.44E-08	1.45E-10	2.27E-08	7.87E-09	1.24E-08	1.84E-10	2.05E-08	4.47E-09	6.84E-09	4.55E-11	1.14E-08
1668	741639.97	4108692.64	5.27E-08	8.87E-08	9.77E-10	1.42E-07	8.17E-09	1.45E-08	1.47E-10	2.29E-08	7.95E-09	1.25E-08	1.86E-10	2.06E-08	4.52E-09	6.90E-09	4.59E-11	1.15E-08

1669	741663.6	4108688.29	5.32E-08	8.95E-08	9.86E-10	1.44E-07	8.25E-09	1.47E-08	1.48E-10	2.31E-08	8.02E-09	1.26E-08	1.88E-10	2.08E-08	4.56E-09	6.96E-09	4.63E-11	1.16E-08
1670	741687.23	4108683.93	5.37E-08	9.03E-08	9.95E-10	1.45E-07	8.32E-09	1.48E-08	1.49E-10	2.33E-08	8.09E-09	1.27E-08	1.90E-10	2.10E-08	4.60E-09	7.03E-09	4.67E-11	1.17E-08
1671	741710.87	4108679.57	5.41E-08	9.11E-08	1.00E-09	1.46E-07	8.39E-09	1.49E-08	1.51E-10	2.35E-08	8.16E-09	1.29E-08	1.91E-10	2.12E-08	4.64E-09	7.09E-09	4.72E-11	1.18E-08
1672	741734.5	4108675.21	5.46E-08	9.19E-08	1.01E-09	1.48E-07	8.47E-09	1.51E-08	1.52E-10	2.37E-08	8.23E-09	1.30E-08	1.93E-10	2.14E-08	4.68E-09	7.15E-09	4.76E-11	1.19E-08
1673	741758.13	4108670.86	5.51E-08	9.27E-08	1.02E-09	1.49E-07	8.54E-09	1.52E-08	1.53E-10	2.39E-08	8.30E-09	1.31E-08	1.95E-10	2.16E-08	4.72E-09	7.21E-09	4.80E-11	1.20E-08
1674	741781.76	4108666.5	5.55E-08	9.35E-08	1.03E-09	1.50E-07	8.61E-09	1.53E-08	1.55E-10	2.41E-08	8.38E-09	1.32E-08	1.96E-10	2.18E-08	4.76E-09	7.27E-09	4.84E-11	1.21E-08
1675	741805.39	4108662.14	5.60E-08	9.43E-08	1.04E-09	1.51E-07	8.69E-09	1.55E-08	1.56E-10	2.43E-08	8.45E-09	1.33E-08	1.98E-10	2.19E-08	4.80E-09	7.33E-09	4.88E-11	1.22E-08
1676	741829.03	4108657.79	5.65E-08	9.51E-08	1.05E-09	1.53E-07	8.76E-09	1.56E-08	1.57E-10	2.45E-08	8.52E-09	1.34E-08	2.00E-10	2.21E-08	4.84E-09	7.40E-09	4.92E-11	1.23E-08
1677	741852.66	4108653.43	5.70E-08	9.59E-08	1.06E-09	1.54E-07	8.84E-09	1.57E-08	1.59E-10	2.47E-08	8.60E-09	1.35E-08	2.01E-10	2.23E-08	4.88E-09	7.46E-09	4.97E-11	1.24E-08
1678	741876.29	4108649.07	5.75E-08	9.68E-08	1.07E-09	1.55E-07	8.92E-09	1.59E-08	1.60E-10	2.50E-08	8.67E-09	1.37E-08	2.03E-10	2.25E-08	4.93E-09	7.53E-09	5.01E-11	1.25E-08
1679	741899.92	4108644.72	5.81E-08	9.77E-08	1.08E-09	1.57E-07	9.00E-09	1.60E-08	1.62E-10	2.52E-08	8.75E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.60E-09	5.06E-11	1.26E-08
1680	741923.56	4108640.36	5.86E-08	9.86E-08	1.09E-09	1.58E-07	9.08E-09	1.62E-08	1.63E-10	2.54E-08	8.83E-09	1.39E-08	2.07E-10	2.29E-08	5.02E-09	7.67E-09	5.10E-11	1.27E-08
1681	741947.19	4108636	5.91E-08	9.94E-08	1.10E-09	1.60E-07	9.16E-09	1.63E-08	1.64E-10	2.56E-08	8.91E-09	1.40E-08	2.09E-10	2.31E-08	5.06E-09	7.73E-09	5.14E-11	1.28E-08
1682	741970.82	4108631.65	5.95E-08	1.00E-07	1.10E-09	1.61E-07	9.22E-09	1.64E-08	1.65E-10	2.58E-08	8.97E-09	1.41E-08	2.10E-10	2.33E-08	5.10E-09	7.79E-09	5.18E-11	1.29E-08
1683	741994.45	4108627.29	5.98E-08	1.01E-07	1.11E-09	1.62E-07	9.28E-09	1.65E-08	1.66E-10	2.59E-08	9.02E-09	1.42E-08	2.11E-10	2.34E-08	5.13E-09	7.83E-09	5.21E-11	1.30E-08
1684	742018.09	4108622.93	6.01E-08	1.01E-07	1.11E-09	1.62E-07	9.31E-09	1.66E-08	1.67E-10	2.61E-08	9.06E-09	1.43E-08	2.12E-10	2.35E-08	5.15E-09	7.87E-09	5.23E-11	1.31E-08
1685	742041.72	4108618.58	6.02E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.08E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
1686	742065.35	4108614.22	6.03E-08	1.02E-07	1.12E-09	1.63E-07	9.36E-09	1.66E-08	1.68E-10	2.62E-08	9.10E-09	1.43E-08	2.13E-10	2.36E-08	5.17E-09	7.90E-09	5.26E-11	1.31E-08
1687	742088.98	4108609.86	6.04E-08	1.02E-07	1.12E-09	1.63E-07	9.36E-09	1.67E-08	1.68E-10	2.62E-08	9.11E-09	1.43E-08	2.13E-10	2.37E-08	5.17E-09	7.91E-09	5.26E-11	1.31E-08
1688	742112.62	4108605.51	6.04E-08	1.02E-07	1.12E-09	1.63E-07	9.37E-09	1.67E-08	1.68E-10	2.62E-08	9.11E-09	1.43E-08	2.13E-10	2.37E-08	5.18E-09	7.91E-09	5.27E-11	1.31E-08
1689	742136.25	4108601.15	6.05E-08	1.02E-07	1.12E-09	1.64E-07	9.39E-09	1.67E-08	1.68E-10	2.63E-08	9.13E-09	1.44E-08	2.14E-10	2.37E-08	5.19E-09	7.93E-09	5.27E-11	1.32E-08
1690	742159.88	4108596.79	6.07E-08	1.02E-07	1.13E-09	1.64E-07	9.41E-09	1.67E-08	1.69E-10	2.63E-08	9.15E-09	1.44E-08	2.14E-10	2.38E-08	5.20E-09	7.95E-09	5.29E-11	1.32E-08
1691	742183.51	4108592.44	6.09E-08	1.03E-07	1.13E-09	1.65E-07	9.45E-09	1.68E-08	1.70E-10	2.64E-08	9.19E-09	1.45E-08	2.15E-10	2.39E-08	5.22E-09	7.98E-09	5.31E-11	1.33E-08
1692	742207.15	4108588.08	6.13E-08	1.03E-07	1.14E-09	1.66E-07	9.51E-09	1.69E-08	1.71E-10	2.66E-08	9.25E-09	1.46E-08	2.17E-10	2.40E-08	5.25E-09	8.03E-09	5.34E-11	1.33E-08
1693	742230.78	4108583.72	6.18E-08	1.04E-07	1.15E-09	1.67E-07	9.59E-09	1.71E-08	1.72E-10	2.68E-08	9.32E-09	1.47E-08	2.18E-10	2.42E-08	5.30E-09	8.09E-09	5.39E-11	1.34E-08
1694	742254.41	4108579.37	6.24E-08	1.05E-07	1.16E-09	1.69E-07	9.68E-09	1.72E-08	1.74E-10	2.71E-08	9.41E-09	1.48E-08	2.21E-10	2.45E-08	5.35E-09	8.17E-09	5.44E-11	1.36E-08
1695	742278.04	4108575.01	6.31E-08	1.06E-07	1.17E-09	1.71E-07	9.79E-09	1.74E-08	1.76E-10	2.74E-08	9.52E-09	1.50E-08	2.23E-10	2.47E-08	5.41E-09	8.27E-09	5.50E-11	1.37E-08
1696	742301.68	4108570.65	6.39E-08	1.07E-07	1.18E-09	1.73E-07	9.90E-09	1.76E-08	1.78E-10	2.77E-08	9.63E-09	1.52E-08	2.26E-10	2.50E-08	5.47E-09	8.36E-09	5.56E-11	1.39E-08
1697	742325.31	4108566.29	6.46E-08	1.09E-07	1.20E-09	1.74E-07	1.00E-08	1.78E-08	1.80E-10	2.80E-08	9.74E-09	1.53E-08	2.28E-10	2.53E-08	5.53E-09	8.46E-09	5.63E-11	1.40E-08
1698	742368.84	4108575.41	6.72E-08	1.13E-07	1.25E-09	1.81E-07	1.04E-08	1.85E-08	1.87E-10	2.91E-08	1.01E-08	1.59E-08	2.37E-10	2.63E-08	5.76E-09	8.80E-09	5.85E-11	1.46E-08
1699	742388.74	4108588.88	6.90E-08	1.16E-07	1.28E-09	1.86E-07	1.07E-08	1.90E-08	1.92E-10	2.99E-08	1.04E-08	1.64E-08	2.44E-10	2.70E-08	5.91E-09	9.03E-09	6.01E-11	1.50E-08
1700	742408.64	4108602.35	7.07E-08	1.19E-07	1.31E-09	1.91E-07	1.10E-08	1.95E-08	1.97E-10	3.06E-08	1.07E-08	1.68E-08	2.50E-10	2.77E-08	6.05E-09	9.25E-09	6.16E-11	1.54E-08
1701	742428.54	4108615.82	7.21E-08	1.21E-07	1.34E-09	1.95E-07	1.12E-08	1.99E-08	2.01E-10	3.13E-08	1.09E-08	1.71E-08	2.55E-10	2.83E-08	6.18E-09	9.45E-09	6.28E-11	1.57E-08
1702	742448.45	4108629.29	7.34E-08	1.24E-07	1.36E-09	1.98E-07	1.14E-08	2.03E-08	2.04E-10	3.18E-08	1.11E-08	1.74E-08	2.59E-10	2.88E-08	6.29E-09	9.61E-09	6.40E-11	1.60E-08
1703	742468.35	4108642.75	7.45E-08	1.25E-07	1.38E-09	2.01E-07	1.16E-08	2.06E-08	2.07E-10	3.23E-08	1.12E-08	1.77E-08	2.63E-10	2.92E-08	6.39E-09	9.76E-09	6.49E-11	1.62E-08
1704	742488.25	4108656.22	7.55E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.08E-08	2.10E-10	3.27E-08	1.14E-08	1.79E-08	2.67E-10	2.96E-08	6.47E-09	9.89E-09	6.58E-11	1.64E-08
1705	742508.15	4108669.69	7.64E-08	1.28E-07	1.42E-09	2.06E-07	1.18E-08	2.11E-08	2.12E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.54E-09	1.00E-08	6.65E-11	1.66E-08
1706	742528.05	4108683.16	7.72E-08	1.30E-07	1.43E-09	2.09E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.16E-08	1.83E-08	2.73E-10	3.02E-08	6.61E-09	1.01E-08	6.72E-11	1.68E-08
1707	742547.95	4108696.63	7.80E-08	1.31E-07	1.45E-09	2.11E-07	1.21E-08	2.15E-08	2.17E-10	3.38E-08	1.18E-08	1.85E-08	2.76E-10	3.06E-08	6.68E-09	1.02E-08	6.80E-11	1.70E-08
1708	742567.85	4108710.1	7.89E-08	1.33E-07	1.46E-09	2.13E-07	1.22E-08	2.18E-08	2.20E-10	3.42E-08	1.19E-08	1.87E-08	2.79E-10	3.09E-08	6.76E-09	1.03E-08	6.87E-11	1.72E-08
1709	742587.75	4108723.57	7.99E-08	1.34E-07	1.48E-09	2.16E-07	1.24E-08	2.20E-08	2.22E-10	3.47E-08	1.20E-08	1.90E-08	2.82E-10	3.13E-08	6.85E-09	1.05E-08	6.96E-11	1.74E-08
1710	742607.65	4108737.04	8.10E-08	1.36E-07	1.50E-09	2.19E-07	1.26E-08	2.24E-08	2.25E-10	3.51E-08	1.22E-08	1.92E-08	2.86E-10	3.17E-08	6.94E-09	1.06E-08	7.06E-11	1.76E-08
1711	742627.55	4108750.51	8.23E-08	1.39E-07	1.53E-09	2.22E-07	1.28E-08	2.27E-08	2.29E-10	3.57E-08	1.24E-08	1.95E-08	2.91E-10	3.23E-08	7.06E-09	1.08E-08	7.17E-11	1.79E-08
1712	742647.45	4108763.98	8.39E-08	1.41E-07	1.56E-09	2.27E-07	1.30E-08	2.31E-08	2.33E-10	3.64E-08	1.26E-08	1.99E-08	2.96E-10	3.29E-08	7.19E-09	1.10E-08	7.31E-11	1.82E-08
1713	742667.36	4108777.45	8.57E-08	1.44E-07	1.59E-09	2.32E-07	1.33E-08	2.36E-08	2.38E-10	3.72E-08	1.29E-08	2.03E-08	3.03E-10	3.36E-08	7.34E-09	1.12E-08	7.47E-11	1.86E-08
1714	742687.26	4108790.92	8.79E-08	1.48E-07	1.63E-09	2.37E-07	1.36E-08	2.42E-08	2.44E-10	3.81E-08	1.32E-08	2.09E-08	3.10E-10	3.44E-08	7.53E-09	1.15E-08	7.65E-11	1.91E-08
1715	742707.16	4108804.39	9.04E-08	1.52E-07	1.68E-09	2.44E-07	1.40E-08	2.49E-08	2.52E-10	3.92E-08	1.36E-08	2.15E-08	3.19E-10	3.54E-08	7.75E-09	1.18E-08	7.88E-11	1.97E-08
1716	742727.06	4108817.86	9.34E-08	1.57E-07	1.73E-09	2.52E-07	1.45E-08	2.58E-08	2.60E-10	4.05E-08	1.41E-08	2.22E-08	3.30E-10	3.66E-08	8.01E-09	1.22E-08	8.14E-11	2.03E-08
1717	742746.96	4108831.33	9.69E-08	1.63E-07	1.80E-09	2.62E-07	1.50E-08	2.67E-08	2.70E-10	4.20E-08	1.46E-08	2.30E-08	3.42E-10	3.80E-08	8.30E-09	1.27E-08	8.44E-11	2.11E-08
1718	742766.86	4108844.8	1.01E-07	1.70E-07	1.87E-09	2.72E-07	1.56E-08	2.78E-08	2.80E-10	4.37E-08	1.52E-08	2.39E-08	3.56E-10	3.95E-08	8.63E-09	1.32E-08	8.78E-11	2.19E-08
1719	742786.76	4108858.27	1.05E-07	1.77E-07	1.95E-09	2.84E-07	1.63E-08	2.90E-08	2.92E-10	4.55E-08	1.58E-08	2.49E-08	3.71E-10	4.11E-08	9.00E-09	1.37E-08	9.15E-11	2.28E-08
1720	742806.66	4108871.74	1.10E-07	1.84E-07	2.03E-09	2.96E-07	1.70E-08	3.02E-08	3.05E-10	4.76E-08	1.65E-08	2.60E-08	3.87E-10	4.29E-08	9.39E-09	1.44E-08	9.55E-11	2.38E-08
1721	742826.56	4108885.2	1.15E-07	1.93E-07	2.12E-09	3.09E-07	1.78E-08	3.16E-08	3.19E-10	4.97E-08	1.73E-08	2.72E-08	4.04E-10	4.49E-08	9.81E-09	1.50E-08	9.98E-11	2.49E-08
1722	742846.46	4108898.67	1.20E-07	2.01E-07	2.22E-09	3.23E-07	1.85E-08	3.30E-08	3.33E-10	5.19E-08	1.80E-08	2.84E-08	4.23E-10	4.69E-08	1.02E-08	1.57E-08	1.04E-10	2.60E-08
1723	742866.36	4108912.14	1.25E-07	2.10E-07	2.32E-09	3.37E-07	1.94E-08	3.45E-08	3.47E-10	5.42E-08	1.88E-08	2.96E-08	4.41E-10	4.89E-08	1.07E-08	1.64E-08	1.09E-10	2.72E-08
1724	742886.27	4108925.61	1.30E-07	2.19E-07	2.42E-09	3.52E-07	2.02E-08	3.59E-08	3.62E-10	5.65E-08	1.96E-08	3.09E-08	4.60E-10	5.10E-08	1.12E-08	1.71E-08	1.13E-10	2.83E-08
1725	742906.17	4108939.08	1.36E-07	2.28E-07	2.51E-09	3.66E-07	2.10E-08	3.74E-08	3.77E-10	5.88E-08	2.04E-08	3.22E-08	4.79E-10	5.31E-08	1.16E-08	1.78E-08	1.18E-10	2.95E-08
1726	742926.07	4108952.55	1.41E-07	2.37E-07	2.61E-09	3.80E-07	2.18E-08	3.88E-08	3.91E-10	6.10E-08	2.12E-08	3.34E-08	4.97E-10	5.51E-08	1.20E-08	1.84E-08	1.23E-10	3.06E-08
1727	742945.97	4108966.02	1.45E-07	2.45E-07	2.70E-09	3.93E-07	2.25E-08	4.01E-08	4.04E-10	6.30E-08	2.19E-08	3.45E-08	5.13E-10	5.69E-08	1.25E-08	1.90E-08	1.27E-10	3.16E-08
1728	742965.87	4108979.49	1.50E-07	2.53E-07	2.78E-09	4.05E-07	2.33E-08	4.14E-08	4.17E-10	6.51E-08	2.26E-08	3.56E-08	5.30E-10	5.88E-08	1.29E-08	1.96E-08	1.31E-10	3.26E-08
1729	742985.77	4108992.96	1.54E-07	2.60E-07	2.86E-09	4.17E-07	2.39E-08	4.26E-08	4.29E-10	6.69E-08	2.33E-08	3.66E-08	5.45E-10	6.04E-08	1.32E-08	2.02E-08	1.34E-10	3.36E-08
1730	743005.67	4109006.43	1.58E-07	2.66E-07	2.93E-09	4.26E-07	2.45E-08	4.36E-08	4.39E-10	6.85E-08	2.38E-08	3.75E-08	5.58E-10	6.18E-08	1.35E-08	2.07E-08	1.38E-10	3.43E-08
1731	743025.57	4109019.9	1.61E-07	2.70E-07	2.98E-09	4.34E-07	2.49E-08	4.43E-08	4.47E-10	6.97E-08	2.42E-08	3.82E-08	5.68E-10	6.30E-08	1.38E-08	2.10E-08	1.40E-10	3.50E-08
1732	743045.47	4109033.37	1.63E-07	2.75E-07	3.03E-09	4.41E-07	2.53E-08	4.51E-08	4.54E-10	7.08E-08	2.46E-08	3.88E-08	5.77E-10	6.40E-08	1.40E-08	2.14E-08	1.42E-10	3.55E-08
1733	743065.37	4109046.84	1.66E-07	2.79E-07	3.08E-09	4.48E-07	2.57E-08	4.57E-08	4.61E-10	7.19E-08	2.50E-08	3.94E-08	5.86E-10	6.49E-08	1.42E-08	2.17E-08	1.44E-10	3.61E-08
1734	743085.27	4109060.31	1.68E-07	2.82E-07	3.11E-09	4.53E-07	2.60E-08	4.63E-08	4.67E-10	7.28E-08	2.53E-08	3.98E-08	5.93E-10	6.58E-08	1.44E-08	2.20E-08	1.46E-10	3.65E-08
1735	743105.18	4109073.78	1.70E-07	2.86E-07	3.15E-09	4.58E-07	2.63E-08	4.68E-08	4.72E-10	7.36E-08	2.56E-08	4.03E-08	5.99E-10	6.65E-08	1.45E-08	2.22E-08	1.48E-10	3.69E-08
1736	743125.08	4109087.25	1.71E-07	2.89E-07	3.18E-09	4.63E-07	2.66E-08	4.73E-08	4.77E-10	7.44E-08	2.59E-08	4.07E-08	6.06E-10	6.72E-08	1.47E-08	2.25E-08	1.49E-10	3.73E-08
1737	743144.98	4109100.72	1.73E-07	2.91E-07	3.21E-09	4.68E-07	2.68E-08	4.78E-08	4.82E-10	7.51E-08	2.61E-08	4.11E-08	6.11E-10	6.78E-08	1.48E-08	2.27E-08	1.51E-10	3.76E-08
1738	741380.01	4108740.57	4.98E-08	8.38E-08	9.24E-10	1.34E-07	7.72E-09	1.37E-08	1.39E-10	2.16E-08	7.51E-09	1.18E-08	1.76E-10	1.95E-08	4.27E-09	6.52E-09	4.34E-11	1.08E-08
1739	741359.37	4108753.82	5.04E-08	8.49E-08	9.36E-10	1.36E-07	7.82E-09	1.39E-08	1.40E-10	2.19E-08	7.61E-09	1.20E-08	1.78E-10	1.98E-08	4.32E-09	6.60E-09	4.39E-11	1.10E-08
1740	741338.73	4108767.08	5.12E-08	8.61E-08	9.49E-10	1.38E-07	7.94E-09	1.41E-08	1.42E-10	2.22E-08	7.72E-09	1.22E-08	1.81E-10	2.00E-08	4.39E-09	6.70E-09	4.46E-11	1.11E-08
1741	741318.1	4108780.34	5.20E-08	8.75E-08	9.64E-10	1.40E-07	8.06E-09	1.43E-08	1.45E-10	2.25E-08	7.84E-09	1.23E-08	1.84E-10	2.04E-08	4.45E-09	6.81E-09	4.53E-11	1.13E-08
1742	741297.46	4108793.59	5.28E-08	8.89E-08	9.80E-10	1.43E-07	8.19E-09	1.46E-08	1.47E-10	2.29E-08	7.97E-09	1.25E-08	1.87E-10	2.07E-08	4.53E-09	6.92E-09	4.60E-11	1.15E-08
1743	741276.82	4108806.85	5.38E-08	9.05E-08	9.97E-10	1.45E-07	8.34E-09	1.48E-08	1.50E-10	2.33E-08	8.11E-09	1.28E-08	1.90E-10	2.11E-08	4.61E-09	7.04E-09	4.68E-11	1.17E-08
1744	741256.18	4108820.11	5.47E-08	9.20E-08	1.01E-09	1.48E-07	8.48E-09	1.51E-08	1.52E-10	2.37E-08	8.25E-09	1.30E-08	1.93E-10	2.14E-08	4.69E-09	7.16E-09	4.76E-11	1.19E-08
1745	741295.71	4108567.91	4.03E-08	6.78E-08	7.47E-10	1.09E-07	6.25E-09	1.11E-08	1.12E-10	1.75E-08	6.08E-09	9.56E-09	1.42E-10	1.58E-08	3.45E-09	5.28E-09	3.51E-11	8.76E-09
1746	741319.5	4108563.52	4.03E-08	6.78E-08	7.48E-10	1.09E-07	6.25E-09	1.11E-08	1.12E-10	1.75E-08	6.08E-09	9.57E-09	1.42E-10	1.58E-08	3.45E-09	5.28E-09	3.51E-11	8.77E-09
1747	741343.28	4108559.14	4.04E-08	6.79E-08	7.48E-10	1.09E-07	6.26E-09	1.11E-08	1.12E-10	1.75E-08	6.09E-09	9.58E-09	1.43E-10	1.58E-08	3.46E-09	5.28E-09	3.52E-11	8.78E-09
1748	741367.07	4108554.75	4.04E-08	6.80E-08	7.50E-10	1.09E-07	6.27E-09	1.12E-08	1.13E-10	1.75E-08	6.10E-09	9.60E-09	1.43E-10	1.58E-08	3.46E-09	5.30E-09	3.52E-11	8.80E-09
1749	741390.86	4108550.36	4.06E-08	6.82E-08	7.52E-10	1.10E-07	6.29E-09	1.12E-08	1.13E-10	1.76E-08	6.12E-09	9.63E-09	1.43E-10	1.59E-08	3.48E-09	5.31E-09	3.53E-11	8.82E-09
1750	741414.65	4108545.98	4.07E-08	6.85E-08	7.55E-10	1.10E-07	6.31E-09	1.12E-08	1.13E-10	1.77E-08	6.14E-09	9.66E-09	1.44E-10	1.59E-08	3.49E-09	5.33E-09	3.55E-11	8.85E-09
1751	741438.43	4108541.59	4.09E-08	6.88E-08	7.59E-10	1.10E-07	6.34E-09	1.13E-08	1.14E-10	1.77E-08	6.17E-09	9.71E-09	1.44E-10	1.60E-08	3.50E-09	5.36E-09	3.56E-11	8.90E-09
1752	741462.22	4108537.21	4.11E-08	6.92E-08	7.63E-10	1.11E-07	6.38E-09	1.13E-08	1.14E-10	1.78E-08	6.20E-09	9.76E-09	1.45E-10	1.61E-08	3.52E-09	5.39E-09	3.58E-11	8.95E-09
1753	741486.01	4108532.82	4.14E-08	6.97E-08	7.68E-10	1.12E-07	6.42E-09	1.14E-08	1.15E-10	1.80E-08	6.24E-09	9.83E-09	1.46E-10	1.62E-08	3.55E-09	5.42E-09	3.61E-11	9.00E-09
1754	741509.79	4108528.44	4.17E-08	7.02E-08	7.73E-10	1.13E-07	6.47E-09	1.15E-08	1.16E-10	1.81E-08	6.29E-09	9.90E-09	1.47E-10	1.63E-08	3.57E-09	5.46E-09	3.63E-11	9.07E-09
1755	741533.58	4108524.05	4.20E-08	7.07E-08	7.80E-10	1.14E-07	6.52E-09	1.16E-08	1.17E-10	1.82E-08	6.34E-09	9.98E-09	1.48E-10	1.65E-08	3.60E-09	5.50E-09	3.66E-11	9.14E-09
1756	741557.37	4108519.67	4.24E-08	7.13E-08	7.86E-10	1.14E-07	6.57E-09	1.17E-08	1.18E-10	1.84E-08	6.39E-09	1.01E-08	1.50E-10	1.66E-08	3.63E-09	5.55E-09	3.69E-11	9.22E-09

1757	741581.16	4108515.28	4.28E-08	7.19E-08	7.93E-10	1.15E-07	6.63E-09	1.18E-08	1.19E-10	1.85E-08	6.45E-09	1.01E-08	1.51E-10	1.67E-08	3.66E-09	5.60E-09	3.72E-11	9.30E-09
1758	741604.94	4108510.9	4.31E-08	7.26E-08	8.00E-10	1.17E-07	6.69E-09	1.19E-08	1.20E-10	1.87E-08	6.50E-09	1.02E-08	1.52E-10	1.69E-08	3.70E-09	5.65E-09	3.76E-11	9.38E-09
1759	741628.73	4108506.51	4.35E-08	7.32E-08	8.07E-10	1.18E-07	6.75E-09	1.20E-08	1.21E-10	1.89E-08	6.56E-09	1.03E-08	1.54E-10	1.70E-08	3.73E-09	5.70E-09	3.79E-11	9.46E-09
1760	741652.52	4108502.13	4.39E-08	7.38E-08	8.14E-10	1.19E-07	6.80E-09	1.21E-08	1.22E-10	1.90E-08	6.62E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.74E-09	3.82E-11	9.54E-09
1761	741676.3	4108497.74	4.42E-08	7.44E-08	8.20E-10	1.19E-07	6.86E-09	1.22E-08	1.23E-10	1.92E-08	6.67E-09	1.05E-08	1.56E-10	1.73E-08	3.79E-09	5.79E-09	3.85E-11	9.62E-09
1762	741700.09	4108493.36	4.46E-08	7.50E-08	8.27E-10	1.20E-07	6.91E-09	1.23E-08	1.24E-10	1.93E-08	6.72E-09	1.06E-08	1.57E-10	1.75E-08	3.82E-09	5.84E-09	3.88E-11	9.69E-09
1763	741723.88	4108488.97	4.49E-08	7.55E-08	8.33E-10	1.21E-07	6.96E-09	1.24E-08	1.25E-10	1.95E-08	6.77E-09	1.07E-08	1.59E-10	1.76E-08	3.85E-09	5.88E-09	3.91E-11	9.76E-09
1764	741747.67	4108484.58	4.52E-08	7.61E-08	8.39E-10	1.22E-07	7.01E-09	1.25E-08	1.26E-10	1.96E-08	6.82E-09	1.07E-08	1.60E-10	1.77E-08	3.87E-09	5.92E-09	3.94E-11	9.83E-09
1765	741771.45	4108480.2	4.55E-08	7.66E-08	8.45E-10	1.23E-07	7.06E-09	1.26E-08	1.27E-10	1.98E-08	6.87E-09	1.08E-08	1.61E-10	1.78E-08	3.90E-09	5.96E-09	3.97E-11	9.90E-09
1766	741795.24	4108475.81	4.59E-08	7.72E-08	8.51E-10	1.24E-07	7.11E-09	1.27E-08	1.28E-10	1.99E-08	6.92E-09	1.09E-08	1.62E-10	1.80E-08	3.93E-09	6.01E-09	4.00E-11	9.98E-09
1767	741819.03	4108471.43	4.62E-08	7.78E-08	8.57E-10	1.25E-07	7.17E-09	1.28E-08	1.29E-10	2.01E-08	6.97E-09	1.10E-08	1.63E-10	1.81E-08	3.96E-09	6.05E-09	4.03E-11	1.01E-08
1768	741842.81	4108467.04	4.66E-08	7.84E-08	8.64E-10	1.26E-07	7.23E-09	1.29E-08	1.30E-10	2.02E-08	7.03E-09	1.11E-08	1.65E-10	1.83E-08	3.99E-09	6.10E-09	4.06E-11	1.01E-08
1769	741866.6	4108462.66	4.70E-08	7.91E-08	8.72E-10	1.27E-07	7.29E-09	1.30E-08	1.31E-10	2.04E-08	7.09E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.15E-09	4.09E-11	1.02E-08
1770	741890.39	4108458.27	4.74E-08	7.98E-08	8.79E-10	1.28E-07	7.35E-09	1.31E-08	1.32E-10	2.06E-08	7.15E-09	1.13E-08	1.67E-10	1.86E-08	4.06E-09	6.21E-09	4.13E-11	1.03E-08
1771	741914.17	4108453.89	4.78E-08	8.04E-08	8.87E-10	1.29E-07	7.41E-09	1.32E-08	1.33E-10	2.07E-08	7.21E-09	1.13E-08	1.69E-10	1.87E-08	4.10E-09	6.26E-09	4.16E-11	1.04E-08
1772	741937.96	4108449.5	4.82E-08	8.11E-08	8.94E-10	1.30E-07	7.47E-09	1.33E-08	1.34E-10	2.09E-08	7.27E-09	1.14E-08	1.70E-10	1.89E-08	4.13E-09	6.31E-09	4.20E-11	1.05E-08
1773	741961.75	4108445.12	4.85E-08	8.16E-08	9.00E-10	1.31E-07	7.52E-09	1.34E-08	1.35E-10	2.10E-08	7.32E-09	1.15E-08	1.71E-10	1.90E-08	4.16E-09	6.35E-09	4.23E-11	1.06E-08
1774	741985.54	4108440.73	4.88E-08	8.21E-08	9.05E-10	1.32E-07	7.57E-09	1.35E-08	1.36E-10	2.12E-08	7.36E-09	1.16E-08	1.72E-10	1.91E-08	4.18E-09	6.39E-09	4.25E-11	1.06E-08
1775	742009.32	4108436.35	4.90E-08	8.25E-08	9.09E-10	1.32E-07	7.60E-09	1.35E-08	1.36E-10	2.13E-08	7.39E-09	1.16E-08	1.73E-10	1.92E-08	4.20E-09	6.42E-09	4.27E-11	1.07E-08
1776	742033.11	4108431.96	4.91E-08	8.27E-08	9.11E-10	1.33E-07	7.62E-09	1.36E-08	1.37E-10	2.13E-08	7.41E-09	1.17E-08	1.74E-10	1.92E-08	4.21E-09	6.43E-09	4.28E-11	1.07E-08
1777	742056.9	4108427.58	4.92E-08	8.28E-08	9.13E-10	1.33E-07	7.63E-09	1.36E-08	1.37E-10	2.13E-08	7.42E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.44E-09	4.29E-11	1.07E-08
1778	742080.68	4108423.19	4.92E-08	8.29E-08	9.13E-10	1.33E-07	7.63E-09	1.36E-08	1.37E-10	2.14E-08	7.42E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.45E-09	4.29E-11	1.07E-08
1779	742104.47	4108418.8	4.92E-08	8.28E-08	9.13E-10	1.33E-07	7.63E-09	1.36E-08	1.37E-10	2.13E-08	7.42E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.44E-09	4.29E-11	1.07E-08
1780	742128.26	4108414.42	4.92E-08	8.27E-08	9.12E-10	1.33E-07	7.62E-09	1.36E-08	1.37E-10	2.13E-08	7.41E-09	1.17E-08	1.74E-10	1.93E-08	4.21E-09	6.44E-09	4.28E-11	1.07E-08
1781	742152.05	4108410.03	4.91E-08	8.27E-08	9.11E-10	1.33E-07	7.62E-09	1.36E-08	1.37E-10	2.13E-08	7.41E-09	1.17E-08	1.74E-10	1.92E-08	4.21E-09	6.43E-09	4.28E-11	1.07E-08
1782	742175.83	4108405.65	4.91E-08	8.27E-08	9.11E-10	1.33E-07	7.62E-09	1.36E-08	1.37E-10	2.13E-08	7.41E-09	1.17E-08	1.74E-10	1.93E-08	4.21E-09	6.43E-09	4.28E-11	1.07E-08
1783	742199.62	4108401.26	4.92E-08	8.28E-08	9.13E-10	1.33E-07	7.63E-09	1.36E-08	1.37E-10	2.14E-08	7.42E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.45E-09	4.29E-11	1.07E-08
1784	742223.41	4108396.88	4.94E-08	8.31E-08	9.16E-10	1.33E-07	7.66E-09	1.36E-08	1.37E-10	2.14E-08	7.45E-09	1.17E-08	1.75E-10	1.94E-08	4.23E-09	6.47E-09	4.30E-11	1.07E-08
1785	742247.19	4108392.49	4.97E-08	8.36E-08	9.22E-10	1.34E-07	7.71E-09	1.37E-08	1.38E-10	2.16E-08	7.49E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.51E-09	4.33E-11	1.08E-08
1786	742270.98	4108388.11	5.01E-08	8.43E-08	9.29E-10	1.35E-07	7.77E-09	1.38E-08	1.39E-10	2.17E-08	7.55E-09	1.19E-08	1.77E-10	1.96E-08	4.29E-09	6.56E-09	4.36E-11	1.09E-08
1787	742294.77	4108383.72	5.05E-08	8.51E-08	9.38E-10	1.37E-07	7.84E-09	1.39E-08	1.41E-10	2.19E-08	7.62E-09	1.20E-08	1.79E-10	1.98E-08	4.33E-09	6.62E-09	4.40E-11	1.10E-08
1788	742318.56	4108379.34	5.11E-08	8.60E-08	9.48E-10	1.38E-07	7.92E-09	1.41E-08	1.42E-10	2.22E-08	7.71E-09	1.21E-08	1.81E-10	2.00E-08	4.38E-09	6.69E-09	4.45E-11	1.11E-08
1789	742342.34	4108374.95	5.17E-08	8.70E-08	9.59E-10	1.40E-07	8.02E-09	1.43E-08	1.44E-10	2.24E-08	7.80E-09	1.23E-08	1.83E-10	2.03E-08	4.43E-09	6.77E-09	4.51E-11	1.13E-08
1790	742366.13	4108370.57	5.24E-08	8.81E-08	9.71E-10	1.41E-07	8.12E-09	1.44E-08	1.46E-10	2.27E-08	7.90E-09	1.24E-08	1.85E-10	2.05E-08	4.49E-09	6.86E-09	4.56E-11	1.14E-08
1791	742409.95	4108379.74	5.45E-08	9.17E-08	1.01E-09	1.47E-07	8.45E-09	1.50E-08	1.52E-10	2.36E-08	8.22E-09	1.29E-08	1.93E-10	2.14E-08	4.67E-09	7.14E-09	4.75E-11	1.19E-08
1792	742429.98	4108393.3	5.60E-08	9.42E-08	1.04E-09	1.51E-07	8.68E-09	1.55E-08	1.56E-10	2.43E-08	8.44E-09	1.33E-08	1.98E-10	2.19E-08	4.80E-09	7.33E-09	4.88E-11	1.22E-08
1793	742450.01	4108406.85	5.74E-08	9.66E-08	1.06E-09	1.55E-07	8.90E-09	1.58E-08	1.60E-10	2.49E-08	8.65E-09	1.36E-08	2.03E-10	2.25E-08	4.92E-09	7.51E-09	5.00E-11	1.25E-08
1794	742470.04	4108420.41	5.86E-08	9.86E-08	1.09E-09	1.58E-07	9.09E-09	1.62E-08	1.63E-10	2.54E-08	8.84E-09	1.39E-08	2.07E-10	2.30E-08	5.02E-09	7.67E-09	5.11E-11	1.27E-08
1795	742490.07	4108433.97	5.97E-08	1.00E-07	1.11E-09	1.61E-07	9.25E-09	1.65E-08	1.66E-10	2.59E-08	9.00E-09	1.42E-08	2.11E-10	2.34E-08	5.11E-09	7.81E-09	5.20E-11	1.30E-08
1796	742510.1	4108447.53	6.06E-08	1.02E-07	1.12E-09	1.64E-07	9.39E-09	1.67E-08	1.69E-10	2.63E-08	9.14E-09	1.44E-08	2.14E-10	2.37E-08	5.19E-09	7.93E-09	5.28E-11	1.32E-08
1797	742530.14	4108461.08	6.13E-08	1.03E-07	1.14E-09	1.66E-07	9.51E-09	1.69E-08	1.71E-10	2.66E-08	9.25E-09	1.46E-08	2.17E-10	2.40E-08	5.25E-09	8.03E-09	5.34E-11	1.33E-08
1798	742550.17	4108474.64	6.19E-08	1.04E-07	1.15E-09	1.67E-07	9.60E-09	1.71E-08	1.72E-10	2.69E-08	9.33E-09	1.47E-08	2.19E-10	2.42E-08	5.30E-09	8.11E-09	5.39E-11	1.35E-08
1799	742570.2	4108488.2	6.24E-08	1.05E-07	1.16E-09	1.69E-07	9.68E-09	1.72E-08	1.74E-10	2.71E-08	9.41E-09	1.48E-08	2.20E-10	2.44E-08	5.35E-09	8.17E-09	5.44E-11	1.36E-08
1800	742590.23	4108501.76	6.28E-08	1.06E-07	1.17E-09	1.70E-07	9.74E-09	1.73E-08	1.75E-10	2.72E-08	9.47E-09	1.49E-08	2.22E-10	2.46E-08	5.38E-09	8.23E-09	5.47E-11	1.37E-08
1801	742610.26	4108515.31	6.32E-08	1.06E-07	1.17E-09	1.71E-07	9.81E-09	1.74E-08	1.76E-10	2.74E-08	9.54E-09	1.50E-08	2.23E-10	2.48E-08	5.42E-09	8.28E-09	5.51E-11	1.38E-08
1802	742630.29	4108528.87	6.37E-08	1.07E-07	1.18E-09	1.72E-07	9.87E-09	1.76E-08	1.77E-10	2.76E-08	9.60E-09	1.51E-08	2.25E-10	2.49E-08	5.46E-09	8.34E-09	5.55E-11	1.38E-08
1803	742650.32	4108542.43	6.42E-08	1.08E-07	1.19E-09	1.73E-07	9.95E-09	1.77E-08	1.79E-10	2.78E-08	9.68E-09	1.52E-08	2.27E-10	2.51E-08	5.50E-09	8.40E-09	5.59E-11	1.40E-08
1804	742670.35	4108555.99	6.48E-08	1.09E-07	1.20E-09	1.75E-07	1.00E-08	1.79E-08	1.80E-10	2.81E-08	9.77E-09	1.54E-08	2.29E-10	2.54E-08	5.55E-09	8.48E-09	5.65E-11	1.41E-08
1805	742690.39	4108569.55	6.55E-08	1.10E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.82E-10	2.84E-08	9.88E-09	1.56E-08	2.32E-10	2.57E-08	5.62E-09	8.58E-09	5.71E-11	1.43E-08
1806	742710.42	4108583.1	6.64E-08	1.12E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.85E-10	2.88E-08	1.00E-08	1.58E-08	2.35E-10	2.60E-08	5.69E-09	8.70E-09	5.79E-11	1.44E-08
1807	742730.45	4108596.66	6.75E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.78E-09	8.84E-09	5.88E-11	1.47E-08
1808	742750.48	4108610.22	6.88E-08	1.16E-07	1.28E-09	1.86E-07	1.07E-08	1.90E-08	1.91E-10	2.98E-08	1.04E-08	1.63E-08	2.43E-10	2.69E-08	5.89E-09	9.00E-09	5.99E-11	1.50E-08
1809	742770.51	4108623.78	7.03E-08	1.18E-07	1.30E-09	1.90E-07	1.09E-08	1.94E-08	1.96E-10	3.05E-08	1.06E-08	1.67E-08	2.48E-10	2.75E-08	6.02E-09	9.20E-09	6.12E-11	1.53E-08
1810	742790.54	4108637.33	7.20E-08	1.21E-07	1.34E-09	1.95E-07	1.12E-08	1.99E-08	2.00E-10	3.13E-08	1.09E-08	1.71E-08	2.54E-10	2.82E-08	6.17E-09	9.43E-09	6.28E-11	1.57E-08
1811	742810.57	4108650.89	7.41E-08	1.25E-07	1.37E-09	2.00E-07	1.15E-08	2.04E-08	2.06E-10	3.21E-08	1.12E-08	1.76E-08	2.62E-10	2.90E-08	6.35E-09	9.70E-09	6.45E-11	1.61E-08
1812	742830.6	4108664.45	7.64E-08	1.29E-07	1.42E-09	2.06E-07	1.19E-08	2.11E-08	2.13E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.55E-09	1.00E-08	6.66E-11	1.66E-08
1813	742850.64	4108678.01	7.90E-08	1.33E-07	1.47E-09	2.13E-07	1.23E-08	2.18E-08	2.20E-10	3.43E-08	1.19E-08	1.88E-08	2.79E-10	3.10E-08	6.77E-09	1.03E-08	6.88E-11	1.72E-08
1814	742870.67	4108691.56	8.19E-08	1.38E-07	1.52E-09	2.21E-07	1.27E-08	2.26E-08	2.28E-10	3.55E-08	1.23E-08	1.94E-08	2.89E-10	3.21E-08	7.02E-09	1.07E-08	7.13E-11	1.78E-08
1815	742890.7	4108705.12	8.50E-08	1.43E-07	1.58E-09	2.30E-07	1.32E-08	2.34E-08	2.36E-10	3.69E-08	1.28E-08	2.02E-08	3.00E-10	3.33E-08	7.28E-09	1.11E-08	7.40E-11	1.85E-08
1816	742910.73	4108718.68	8.83E-08	1.49E-07	1.64E-09	2.38E-07	1.37E-08	2.44E-08	2.46E-10	3.83E-08	1.33E-08	2.10E-08	3.12E-10	3.46E-08	7.56E-09	1.16E-08	7.69E-11	1.92E-08
1817	742930.76	4108732.24	9.17E-08	1.54E-07	1.70E-09	2.48E-07	1.42E-08	2.53E-08	2.55E-10	3.98E-08	1.38E-08	2.18E-08	3.24E-10	3.59E-08	7.86E-09	1.20E-08	7.99E-11	2.00E-08
1818	742950.79	4108745.79	9.54E-08	1.60E-07	1.77E-09	2.58E-07	1.48E-08	2.63E-08	2.65E-10	4.14E-08	1.44E-08	2.26E-08	3.37E-10	3.74E-08	8.17E-09	1.25E-08	8.31E-11	2.07E-08
1819	742970.82	4108759.35	9.91E-08	1.67E-07	1.84E-09	2.68E-07	1.54E-08	2.73E-08	2.76E-10	4.30E-08	1.49E-08	2.35E-08	3.50E-10	3.88E-08	8.49E-09	1.30E-08	8.63E-11	2.16E-08
1820	742990.85	4108772.91	1.03E-07	1.73E-07	1.91E-09	2.78E-07	1.60E-08	2.84E-08	2.86E-10	4.46E-08	1.55E-08	2.44E-08	3.64E-10	4.03E-08	8.82E-09	1.35E-08	8.97E-11	2.24E-08
1821	743010.89	4108786.47	1.07E-07	1.80E-07	1.98E-09	2.88E-07	1.66E-08	2.94E-08	2.97E-10	4.63E-08	1.61E-08	2.53E-08	3.77E-10	4.18E-08	9.15E-09	1.40E-08	9.30E-11	2.32E-08
1822	743030.92	4108800.02	1.10E-07	1.86E-07	2.05E-09	2.98E-07	1.71E-08	3.05E-08	3.07E-10	4.79E-08	1.67E-08	2.62E-08	3.90E-10	4.33E-08	9.47E-09	1.45E-08	9.62E-11	2.40E-08
1823	743050.95	4108813.58	1.14E-07	1.92E-07	2.12E-09	3.08E-07	1.77E-08	3.15E-08	3.17E-10	4.95E-08	1.72E-08	2.71E-08	4.03E-10	4.47E-08	9.77E-09	1.49E-08	9.94E-11	2.48E-08
1824	743070.98	4108827.14	1.17E-07	1.98E-07	2.18E-09	3.17E-07	1.82E-08	3.24E-08	3.27E-10	5.09E-08	1.77E-08	2.79E-08	4.15E-10	4.60E-08	1.01E-08	1.54E-08	1.02E-10	2.55E-08
1825	743091.01	4108840.7	1.20E-07	2.03E-07	2.23E-09	3.25E-07	1.87E-08	3.32E-08	3.35E-10	5.22E-08	1.82E-08	2.86E-08	4.25E-10	4.72E-08	1.03E-08	1.58E-08	1.05E-10	2.62E-08
1826	743111.04	4108854.26	1.23E-07	2.07E-07	2.28E-09	3.32E-07	1.91E-08	3.39E-08	3.42E-10	5.34E-08	1.86E-08	2.92E-08	4.35E-10	4.82E-08	1.05E-08	1.61E-08	1.07E-10	2.68E-08
1827	743131.07	4108867.81	1.25E-07	2.11E-07	2.33E-09	3.39E-07	1.94E-08	3.46E-08	3.49E-10	5.44E-08	1.89E-08	2.98E-08	4.43E-10	4.91E-08	1.07E-08	1.64E-08	1.09E-10	2.73E-08
1828	743151.1	4108881.37	1.27E-07	2.14E-07	2.36E-09	3.44E-07	1.98E-08	3.52E-08	3.55E-10	5.53E-08	1.92E-08	3.03E-08	4.50E-10	4.99E-08	1.09E-08	1.67E-08	1.11E-10	2.77E-08
1829	743171.13	4108894.93	1.29E-07	2.18E-07	2.40E-09	3.49E-07	2.00E-08	3.57E-08	3.60E-10	5.61E-08	1.95E-08	3.07E-08	4.57E-10	5.06E-08	1.11E-08	1.69E-08	1.13E-10	2.81E-08
1830	743191.17	4108908.49	1.31E-07	2.20E-07	2.43E-09	3.54E-07	2.03E-08	3.61E-08	3.64E-10	5.68E-08	1.97E-08	3.11E-08	4.62E-10	5.13E-08	1.12E-08	1.71E-08	1.14E-10	2.85E-08
1831	743211.2	4108922.04	1.32E-07	2.23E-07	2.45E-09	3.57E-07	2.05E-08	3.65E-08	3.68E-10	5.74E-08	2.00E-08	3.14E-08	4.67E-10	5.18E-08	1.13E-08	1.73E-08	1.15E-10	2.88E-08
1832	743231.23	4108935.6	1.34E-07	2.25E-07	2.48E-09	3.61E-07	2.07E-08	3.69E-08	3.72E-10	5.80E-08	2.01E-08	3.17E-08	4.72E-10	5.23E-08	1.14E-08	1.75E-08	1.16E-10	2.91E-08
1833	743251.26	4108949.16	1.35E-07	2.27E-07	2.50E-09	3.64E-07	2.09E-08	3.72E-08	3.75E-10	5.85E-08	2.03E-08	3.20E-08	4.77E-10	5.29E-08	1.16E-08	1.77E-08	1.18E-10	2.93E-08
1834	743271.29	4108962.72	1.36E-07	2.29E-07	2.53E-09	3.68E-07	2.11E-08	3.76E-08	3.79E-10	5.91E-08	2.05E-08	3.23E-08	4.81E-10	5.34E-08	1.17E-08	1.78E-08	1.19E-10	2.96E-08
1835	743291.32	4108976.27	1.37E-07	2.31E-07	2.55E-09	3.71E-07	2.13E-08	3.79E-08	3.83E-10	5.96E-08	2.07E-08	3.26E-08	4.86E-10	5.39E-08	1.18E-08	1.80E-08	1.20E-10	2.99E-08
1836	743311.35	4108989.83	1.39E-07	2.33E-07	2.57E-09	3.75E-07	2.15E-08	3.83E-08	3.86E-10	6.02E-08	2.09E-08	3.29E-08	4.90E-10	5.43E-08	1.19E-08	1.82E-08	1.21E-10	3.02E-08
1837	741271.92	4108572.29	4.03E-08	6.78E-08	7.48E-10	1.09E-07	6.25E-09	1.11E-08	1.12E-10	1.75E-08	6.08E-09	9.57E-09	1.42E-10	1.58E-08	3.45E-09	5.28E-09	3.51E-11	8.77E-09
1838	741251.28	4108585.55	4.08E-08	6.86E-08	7.56E-10	1.10E-07	6.32E-09	1.13E-08	1.13E-10	1.77E-08	6.15E-09	9.68E-09	1.44E-10	1.60E-08	3.49E-09	5.34E-09	3.55E-11	8.87E-09
1839	741230.65	4108598.8	4.13E-08	6.95E-08	7.66E-10	1.12E-07	6.41E-09	1.14E-08	1.15E-10	1.79E-08	6.23E-09	9.81E-09	1.46E-10	1.62E-08	3.54E-09	5.41E-09	3.60E-11	8.98E-09
1840	741210.01	4108612.06	4.19E-08	7.05E-08	7.77E-10	1.13E-07	6.50E-09	1.16E-08	1.17E-10	1.82E-08	6.32E-09	9.95E-09	1.48E-10	1.64E-08	3.59E-09	5.49E-09	3.65E-11	9.11E-09
1841	741189.37	4108625.32	4.26E-08	7.16E-08	7.89E-10	1.15E-07	6.60E-09	1.17E-08	1.18E-10	1.85E-08	6.42E-09	1.01E-08	1.50E-10	1.67E-08	3.65E-09	5.57E-09	3.71E-11	9.25E-09
1842	741168.73	4108638.57	4.33E-08	7.28E-08	8.03E-10	1.17E-07	6.71E-09	1.19E-08	1.20E-10	1.88E-08	6.52E-09	1.03E-08	1.53E-10	1.69E-08	3.71E-09	5.67E-09	3.77E-11	9.41E-09
1843	741148.09	4108651.83	4.40E-08	7.41E-08	8.17E-10	1.19E-07	6.83E-09	1.22E-08	1.23E-10	1.91E-08	6.64E-09	1.05E-08	1.56E-10	1.73E-08	3.77E-09	5.77E-09	3.84E-11	9.58E-09
1844	741079.75	4108231.31	2.83E-08	4.76E-08	5.25E-10	7.64E-08	4.39E-09	7.80E-09	7.87E-11	1.23E-08	4.26E-09	6.71E-09	9.99E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.15E-09

1845	741103.75	4108226.89	2.83E-08	4.77E-08	5.25E-10	7.65E-08	4.39E-09	7.81E-09	7.88E-11	1.23E-08	4.27E-09	6.72E-09	1.00E-10	1.11E-08	2.43E-09	3.71E-09	2.47E-11	6.16E-09
1846	741127.75	4108222.46	2.84E-08	4.78E-08	5.27E-10	7.67E-08	4.40E-09	7.83E-09	7.90E-11	1.23E-08	4.28E-09	6.74E-09	1.00E-10	1.11E-08	2.43E-09	3.72E-09	2.47E-11	6.18E-09
1847	741151.75	4108218.04	2.85E-08	4.79E-08	5.28E-10	7.69E-08	4.42E-09	7.86E-09	7.92E-11	1.24E-08	4.29E-09	6.76E-09	1.01E-10	1.12E-08	2.44E-09	3.73E-09	2.48E-11	6.19E-09
1848	741175.76	4108213.61	2.86E-08	4.81E-08	5.30E-10	7.72E-08	4.43E-09	7.88E-09	7.95E-11	1.24E-08	4.31E-09	6.78E-09	1.01E-10	1.12E-08	2.45E-09	3.74E-09	2.49E-11	6.21E-09
1849	741199.76	4108209.19	2.87E-08	4.82E-08	5.32E-10	7.74E-08	4.44E-09	7.91E-09	7.97E-11	1.24E-08	4.32E-09	6.80E-09	1.01E-10	1.12E-08	2.46E-09	3.75E-09	2.50E-11	6.23E-09
1850	741223.76	4108204.76	2.88E-08	4.84E-08	5.34E-10	7.77E-08	4.46E-09	7.94E-09	8.00E-11	1.25E-08	4.34E-09	6.83E-09	1.02E-10	1.13E-08	2.46E-09	3.77E-09	2.51E-11	6.26E-09
1851	741247.76	4108200.34	2.89E-08	4.86E-08	5.35E-10	7.79E-08	4.47E-09	7.96E-09	8.03E-11	1.25E-08	4.35E-09	6.85E-09	1.02E-10	1.13E-08	2.47E-09	3.78E-09	2.51E-11	6.28E-09
1852	741271.76	4108195.91	2.89E-08	4.87E-08	5.37E-10	7.82E-08	4.49E-09	7.99E-09	8.05E-11	1.26E-08	4.37E-09	6.87E-09	1.02E-10	1.13E-08	2.48E-09	3.79E-09	2.52E-11	6.30E-09
1853	741295.77	4108191.49	2.90E-08	4.89E-08	5.39E-10	7.85E-08	4.50E-09	8.01E-09	8.08E-11	1.26E-08	4.38E-09	6.90E-09	1.03E-10	1.14E-08	2.49E-09	3.80E-09	2.53E-11	6.32E-09
1854	741319.77	4108187.06	2.91E-08	4.91E-08	5.41E-10	7.87E-08	4.52E-09	8.04E-09	8.11E-11	1.26E-08	4.40E-09	6.92E-09	1.03E-10	1.14E-08	2.50E-09	3.82E-09	2.54E-11	6.34E-09
1855	741343.77	4108182.64	2.93E-08	4.93E-08	5.43E-10	7.91E-08	4.54E-09	8.07E-09	8.14E-11	1.27E-08	4.41E-09	6.95E-09	1.03E-10	1.15E-08	2.51E-09	3.83E-09	2.55E-11	6.37E-09
1856	741367.77	4108178.21	2.94E-08	4.95E-08	5.45E-10	7.94E-08	4.56E-09	8.11E-09	8.18E-11	1.27E-08	4.43E-09	6.98E-09	1.04E-10	1.15E-08	2.52E-09	3.85E-09	2.56E-11	6.39E-09
1857	741391.77	4108173.79	2.95E-08	4.97E-08	5.48E-10	7.98E-08	4.58E-09	8.15E-09	8.22E-11	1.28E-08	4.46E-09	7.01E-09	1.04E-10	1.16E-08	2.53E-09	3.87E-09	2.57E-11	6.43E-09
1858	741415.78	4108169.36	2.97E-08	5.00E-08	5.51E-10	8.03E-08	4.61E-09	8.20E-09	8.27E-11	1.29E-08	4.48E-09	7.06E-09	1.05E-10	1.16E-08	2.55E-09	3.89E-09	2.59E-11	6.46E-09
1859	741439.78	4108164.94	2.99E-08	5.04E-08	5.55E-10	8.08E-08	4.64E-09	8.26E-09	8.33E-11	1.30E-08	4.51E-09	7.10E-09	1.06E-10	1.17E-08	2.56E-09	3.92E-09	2.61E-11	6.51E-09
1860	741463.78	4108160.51	3.01E-08	5.07E-08	5.59E-10	8.14E-08	4.67E-09	8.32E-09	8.39E-11	1.31E-08	4.55E-09	7.16E-09	1.06E-10	1.18E-08	2.58E-09	3.95E-09	2.63E-11	6.56E-09
1861	741487.78	4108156.09	3.04E-08	5.11E-08	5.64E-10	8.21E-08	4.71E-09	8.38E-09	8.45E-11	1.32E-08	4.58E-09	7.21E-09	1.07E-10	1.19E-08	2.60E-09	3.98E-09	2.65E-11	6.61E-09
1862	741511.79	4108151.67	3.06E-08	5.16E-08	5.68E-10	8.28E-08	4.75E-09	8.45E-09	8.52E-11	1.33E-08	4.62E-09	7.27E-09	1.08E-10	1.20E-08	2.63E-09	4.01E-09	2.67E-11	6.66E-09
1863	741535.79	4108147.24	3.09E-08	5.20E-08	5.73E-10	8.35E-08	4.79E-09	8.53E-09	8.60E-11	1.34E-08	4.66E-09	7.34E-09	1.09E-10	1.21E-08	2.65E-09	4.05E-09	2.69E-11	6.72E-09
1864	741559.79	4108142.82	3.12E-08	5.24E-08	5.78E-10	8.42E-08	4.83E-09	8.60E-09	8.67E-11	1.35E-08	4.70E-09	7.40E-09	1.10E-10	1.22E-08	2.67E-09	4.08E-09	2.71E-11	6.78E-09
1865	741583.79	4108138.39	3.14E-08	5.29E-08	5.83E-10	8.49E-08	4.87E-09	8.67E-09	8.74E-11	1.36E-08	4.74E-09	7.46E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.74E-11	6.83E-09
1866	741607.79	4108133.97	3.17E-08	5.33E-08	5.87E-10	8.55E-08	4.91E-09	8.74E-09	8.81E-11	1.37E-08	4.78E-09	7.52E-09	1.12E-10	1.24E-08	2.71E-09	4.15E-09	2.76E-11	6.89E-09
1867	741631.8	4108129.54	3.19E-08	5.37E-08	5.92E-10	8.62E-08	4.95E-09	8.80E-09	8.87E-11	1.38E-08	4.81E-09	7.57E-09	1.13E-10	1.25E-08	2.73E-09	4.18E-09	2.78E-11	6.94E-09
1868	741655.8	4108125.12	3.21E-08	5.40E-08	5.95E-10	8.67E-08	4.98E-09	8.86E-09	8.93E-11	1.39E-08	4.84E-09	7.62E-09	1.13E-10	1.26E-08	2.75E-09	4.20E-09	2.80E-11	6.98E-09
1869	741679.8	4108120.69	3.23E-08	5.44E-08	5.99E-10	8.72E-08	5.01E-09	8.91E-09	8.99E-11	1.40E-08	4.87E-09	7.67E-09	1.14E-10	1.27E-08	2.77E-09	4.23E-09	2.81E-11	7.02E-09
1870	741703.8	4108116.27	3.25E-08	5.46E-08	6.02E-10	8.77E-08	5.04E-09	8.96E-09	9.04E-11	1.41E-08	4.90E-09	7.71E-09	1.15E-10	1.27E-08	2.78E-09	4.25E-09	2.83E-11	7.06E-09
1871	741727.8	4108111.84	3.26E-08	5.49E-08	6.05E-10	8.82E-08	5.06E-09	9.01E-09	9.08E-11	1.42E-08	4.92E-09	7.75E-09	1.15E-10	1.28E-08	2.80E-09	4.27E-09	2.84E-11	7.10E-09
1872	741751.81	4108107.42	3.28E-08	5.52E-08	6.09E-10	8.86E-08	5.09E-09	9.05E-09	9.13E-11	1.42E-08	4.95E-09	7.79E-09	1.16E-10	1.29E-08	2.81E-09	4.30E-09	2.86E-11	7.14E-09
1873	741775.81	4108102.99	3.30E-08	5.55E-08	6.12E-10	8.91E-08	5.12E-09	9.10E-09	9.18E-11	1.43E-08	4.97E-09	7.83E-09	1.17E-10	1.29E-08	2.83E-09	4.32E-09	2.87E-11	7.17E-09
1874	741799.81	4108098.57	3.32E-08	5.58E-08	6.15E-10	8.96E-08	5.15E-09	9.15E-09	9.23E-11	1.44E-08	5.00E-09	7.88E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.89E-11	7.22E-09
1875	741823.81	4108094.14	3.34E-08	5.62E-08	6.19E-10	9.02E-08	5.18E-09	9.21E-09	9.29E-11	1.45E-08	5.04E-09	7.93E-09	1.18E-10	1.31E-08	2.86E-09	4.37E-09	2.91E-11	7.26E-09
1876	741847.82	4108089.72	3.36E-08	5.66E-08	6.23E-10	9.08E-08	5.21E-09	9.27E-09	9.35E-11	1.46E-08	5.07E-09	7.98E-09	1.19E-10	1.32E-08	2.88E-09	4.40E-09	2.93E-11	7.31E-09
1877	741871.82	4108085.29	3.38E-08	5.70E-08	6.28E-10	9.14E-08	5.25E-09	9.34E-09	9.42E-11	1.47E-08	5.10E-09	8.04E-09	1.20E-10	1.33E-08	2.90E-09	4.43E-09	2.95E-11	7.36E-09
1878	741895.82	4108080.87	3.41E-08	5.74E-08	6.32E-10	9.21E-08	5.29E-09	9.41E-09	9.48E-11	1.48E-08	5.14E-09	8.09E-09	1.20E-10	1.34E-08	2.92E-09	4.46E-09	2.97E-11	7.41E-09
1879	741919.82	4108076.44	3.43E-08	5.78E-08	6.37E-10	9.27E-08	5.32E-09	9.47E-09	9.55E-11	1.49E-08	5.18E-09	8.15E-09	1.21E-10	1.34E-08	2.94E-09	4.49E-09	2.99E-11	7.47E-09
1880	741943.82	4108072.02	3.46E-08	5.82E-08	6.41E-10	9.34E-08	5.36E-09	9.54E-09	9.62E-11	1.50E-08	5.21E-09	8.21E-09	1.22E-10	1.35E-08	2.96E-09	4.53E-09	3.01E-11	7.52E-09
1881	741967.83	4108067.59	3.48E-08	5.85E-08	6.45E-10	9.39E-08	5.39E-09	9.59E-09	9.67E-11	1.51E-08	5.24E-09	8.26E-09	1.23E-10	1.36E-08	2.98E-09	4.55E-09	3.03E-11	7.56E-09
1882	741991.83	4108063.17	3.49E-08	5.88E-08	6.48E-10	9.44E-08	5.42E-09	9.64E-09	9.72E-11	1.52E-08	5.27E-09	8.30E-09	1.23E-10	1.37E-08	2.99E-09	4.58E-09	3.04E-11	7.60E-09
1883	742015.83	4108058.74	3.51E-08	5.91E-08	6.51E-10	9.48E-08	5.44E-09	9.68E-09	9.76E-11	1.52E-08	5.29E-09	8.33E-09	1.24E-10	1.37E-08	3.01E-09	4.60E-09	3.06E-11	7.63E-09
1884	742039.83	4108054.32	3.52E-08	5.92E-08	6.53E-10	9.50E-08	5.46E-09	9.71E-09	9.79E-11	1.53E-08	5.31E-09	8.35E-09	1.24E-10	1.38E-08	3.01E-09	4.61E-09	3.07E-11	7.65E-09
1885	742063.83	4108049.89	3.52E-08	5.93E-08	6.54E-10	9.52E-08	5.46E-09	9.72E-09	9.80E-11	1.53E-08	5.31E-09	8.37E-09	1.24E-10	1.38E-08	3.02E-09	4.61E-09	3.07E-11	7.66E-09
1886	742087.84	4108045.47	3.52E-08	5.93E-08	6.54E-10	9.52E-08	5.46E-09	9.72E-09	9.80E-11	1.53E-08	5.31E-09	8.37E-09	1.24E-10	1.38E-08	3.02E-09	4.61E-09	3.07E-11	7.66E-09
1887	742111.84	4108041.04	3.52E-08	5.92E-08	6.53E-10	9.50E-08	5.46E-09	9.71E-09	9.79E-11	1.53E-08	5.31E-09	8.35E-09	1.24E-10	1.38E-08	3.01E-09	4.61E-09	3.07E-11	7.65E-09
1888	742135.84	4108036.62	3.51E-08	5.91E-08	6.51E-10	9.48E-08	5.44E-09	9.68E-09	9.77E-11	1.52E-08	5.29E-09	8.33E-09	1.24E-10	1.38E-08	3.01E-09	4.60E-09	3.06E-11	7.63E-09
1889	742159.84	4108032.19	3.50E-08	5.89E-08	6.49E-10	9.45E-08	5.43E-09	9.65E-09	9.74E-11	1.52E-08	5.28E-09	8.31E-09	1.24E-10	1.37E-08	3.00E-09	4.58E-09	3.05E-11	7.61E-09
1890	742183.85	4108027.77	3.49E-08	5.87E-08	6.47E-10	9.42E-08	5.41E-09	9.62E-09	9.70E-11	1.51E-08	5.26E-09	8.28E-09	1.23E-10	1.37E-08	2.99E-09	4.57E-09	3.04E-11	7.59E-09
1891	742207.85	4108023.34	3.48E-08	5.85E-08	6.45E-10	9.39E-08	5.39E-09	9.59E-09	9.67E-11	1.51E-08	5.24E-09	8.25E-09	1.23E-10	1.36E-08	2.98E-09	4.55E-09	3.03E-11	7.56E-09
1892	742231.85	4108018.92	3.47E-08	5.84E-08	6.43E-10	9.37E-08	5.38E-09	9.57E-09	9.65E-11	1.50E-08	5.23E-09	8.24E-09	1.23E-10	1.36E-08	2.97E-09	4.54E-09	3.02E-11	7.54E-09
1893	742255.85	4108014.49	3.47E-08	5.83E-08	6.43E-10	9.36E-08	5.37E-09	9.56E-09	9.64E-11	1.50E-08	5.23E-09	8.23E-09	1.22E-10	1.36E-08	2.97E-09	4.54E-09	3.02E-11	7.54E-09
1894	742279.85	4108010.07	3.47E-08	5.84E-08	6.43E-10	9.37E-08	5.38E-09	9.57E-09	9.65E-11	1.50E-08	5.23E-09	8.23E-09	1.23E-10	1.36E-08	2.97E-09	4.54E-09	3.02E-11	7.54E-09
1895	742303.86	4108005.64	3.48E-08	5.85E-08	6.45E-10	9.40E-08	5.39E-09	9.60E-09	9.68E-11	1.51E-08	5.24E-09	8.26E-09	1.23E-10	1.36E-08	2.98E-09	4.55E-09	3.03E-11	7.56E-09
1896	742327.86	4108001.22	3.50E-08	5.88E-08	6.48E-10	9.44E-08	5.42E-09	9.64E-09	9.73E-11	1.52E-08	5.27E-09	8.30E-09	1.23E-10	1.37E-08	3.00E-09	4.58E-09	3.05E-11	7.60E-09
1897	742351.86	4107996.79	3.52E-08	5.93E-08	6.53E-10	9.51E-08	5.46E-09	9.72E-09	9.80E-11	1.53E-08	5.31E-09	8.36E-09	1.24E-10	1.38E-08	3.02E-09	4.61E-09	3.07E-11	7.66E-09
1898	742375.86	4107992.37	3.55E-08	5.98E-08	6.59E-10	9.60E-08	5.51E-09	9.81E-09	9.89E-11	1.54E-08	5.36E-09	8.44E-09	1.26E-10	1.39E-08	3.05E-09	4.65E-09	3.10E-11	7.73E-09
1899	742399.87	4107987.94	3.60E-08	6.05E-08	6.67E-10	9.71E-08	5.58E-09	9.92E-09	1.00E-10	1.56E-08	5.42E-09	8.54E-09	1.27E-10	1.41E-08	3.08E-09	4.71E-09	3.13E-11	7.82E-09
1900	742423.87	4107983.52	3.64E-08	6.13E-08	6.76E-10	9.84E-08	5.65E-09	1.00E-08	1.01E-10	1.58E-08	5.49E-09	8.65E-09	1.29E-10	1.43E-08	3.12E-09	4.77E-09	3.17E-11	7.92E-09
1901	742447.87	4107979.09	3.69E-08	6.21E-08	6.85E-10	9.97E-08	5.73E-09	1.02E-08	1.03E-10	1.60E-08	5.57E-09	8.76E-09	1.30E-10	1.45E-08	3.16E-09	4.83E-09	3.22E-11	8.03E-09
1902	742492.08	4107988.35	3.85E-08	6.48E-08	7.14E-10	1.04E-07	5.97E-09	1.06E-08	1.07E-10	1.67E-08	5.81E-09	9.14E-09	1.36E-10	1.51E-08	3.30E-09	5.04E-09	3.35E-11	8.37E-09
1903	742512.3	4108002.03	3.95E-08	6.65E-08	7.34E-10	1.07E-07	6.13E-09	1.09E-08	1.10E-10	1.72E-08	5.96E-09	9.39E-09	1.40E-10	1.55E-08	3.39E-09	5.18E-09	3.45E-11	8.60E-09
1904	742532.51	4108015.71	4.05E-08	6.82E-08	7.52E-10	1.10E-07	6.29E-09	1.12E-08	1.13E-10	1.76E-08	6.11E-09	9.63E-09	1.43E-10	1.59E-08	3.47E-09	5.31E-09	3.53E-11	8.82E-09
1905	742552.72	4108029.39	4.15E-08	6.98E-08	7.70E-10	1.12E-07	6.43E-09	1.14E-08	1.15E-10	1.80E-08	6.26E-09	9.85E-09	1.47E-10	1.63E-08	3.56E-09	5.43E-09	3.61E-11	9.02E-09
1906	742572.93	4108043.07	4.23E-08	7.12E-08	7.85E-10	1.14E-07	6.56E-09	1.17E-08	1.18E-10	1.84E-08	6.38E-09	1.00E-08	1.50E-10	1.66E-08	3.63E-09	5.54E-09	3.69E-11	9.21E-09
1907	742593.15	4108056.75	4.30E-08	7.24E-08	7.98E-10	1.16E-07	6.67E-09	1.19E-08	1.20E-10	1.87E-08	6.49E-09	1.02E-08	1.52E-10	1.69E-08	3.69E-09	5.63E-09	3.75E-11	9.36E-09
1908	742613.36	4108070.43	4.36E-08	7.34E-08	8.09E-10	1.18E-07	6.76E-09	1.20E-08	1.21E-10	1.89E-08	6.58E-09	1.04E-08	1.54E-10	1.71E-08	3.74E-09	5.71E-09	3.80E-11	9.49E-09
1909	742633.57	4108084.11	4.41E-08	7.42E-08	8.18E-10	1.19E-07	6.83E-09	1.22E-08	1.23E-10	1.91E-08	6.65E-09	1.05E-08	1.56E-10	1.73E-08	3.78E-09	5.77E-09	3.84E-11	9.59E-09
1910	742653.78	4108097.79	4.44E-08	7.47E-08	8.23E-10	1.20E-07	6.88E-09	1.22E-08	1.24E-10	1.93E-08	6.69E-09	1.05E-08	1.57E-10	1.74E-08	3.80E-09	5.81E-09	3.87E-11	9.66E-09
1911	742673.99	4108111.47	4.46E-08	7.50E-08	8.27E-10	1.20E-07	6.92E-09	1.23E-08	1.24E-10	1.93E-08	6.72E-09	1.06E-08	1.58E-10	1.75E-08	3.82E-09	5.84E-09	3.89E-11	9.70E-09
1912	742694.21	4108125.15	4.47E-08	7.52E-08	8.29E-10	1.21E-07	6.93E-09	1.23E-08	1.24E-10	1.94E-08	6.74E-09	1.06E-08	1.58E-10	1.75E-08	3.83E-09	5.85E-09	3.90E-11	9.73E-09
1913	742714.42	4108138.83	4.48E-08	7.54E-08	8.31E-10	1.21E-07	6.94E-09	1.24E-08	1.25E-10	1.94E-08	6.75E-09	1.06E-08	1.58E-10	1.75E-08	3.84E-09	5.86E-09	3.90E-11	9.74E-09
1914	742734.63	4108152.51	4.48E-08	7.54E-08	8.31E-10	1.21E-07	6.95E-09	1.24E-08	1.25E-10	1.94E-08	6.76E-09	1.06E-08	1.58E-10	1.76E-08	3.84E-09	5.87E-09	3.90E-11	9.75E-09
1915	742754.84	4108166.19	4.49E-08	7.55E-08	8.32E-10	1.21E-07	6.96E-09	1.24E-08	1.25E-10	1.95E-08	6.77E-09	1.07E-08	1.59E-10	1.76E-08	3.85E-09	5.88E-09	3.91E-11	9.76E-09
1916	742775.06	4108179.87	4.50E-08	7.57E-08	8.34E-10	1.21E-07	6.97E-09	1.24E-08	1.25E-10	1.95E-08	6.78E-09	1.07E-08	1.59E-10	1.76E-08	3.85E-09	5.89E-09	3.92E-11	9.78E-09
1917	742795.27	4108193.55	4.51E-08	7.59E-08	8.37E-10	1.22E-07	6.99E-09	1.24E-08	1.25E-10	1.96E-08	6.80E-09	1.07E-08	1.59E-10	1.77E-08	3.86E-09	5.91E-09	3.93E-11	9.81E-09
1918	742815.48	4108207.23	4.54E-08	7.64E-08	8.42E-10	1.23E-07	7.04E-09	1.25E-08	1.26E-10	1.97E-08	6.85E-09	1.08E-08	1.60E-10	1.78E-08	3.89E-09	5.94E-09	3.95E-11	9.87E-09
1919	742835.69	4108220.91	4.58E-08	7.70E-08	8.49E-10	1.24E-07	7.10E-09	1.26E-08	1.27E-10	1.98E-08	6.90E-09	1.09E-08	1.62E-10	1.79E-08	3.92E-09	5.99E-09	3.99E-11	9.95E-09
1920	742855.9	4108234.59	4.62E-08	7.78E-08	8.57E-10	1.25E-07	7.17E-09	1.28E-08	1.29E-10	2.00E-08	6.97E-09	1.10E-08	1.63E-10	1.81E-08	3.96E-09	6.05E-09	4.03E-11	1.01E-08
1921	742876.12	4108248.27	4.68E-08	7.88E-08	8.68E-10	1.26E-07	7.26E-09	1.29E-08	1.30E-10	2.03E-08	7.06E-09	1.11E-08	1.65E-10	1.83E-08	4.01E-09	6.13E-09	4.08E-11	1.02E-08
1922	742896.33	4108261.95	4.75E-08	7.99E-08	8.81E-10	1.28E-07	7.36E-09	1.31E-08	1.32E-10	2.06E-08	7.16E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
1923	742916.54	4108275.63	4.83E-08	8.12E-08	8.95E-10	1.30E-07	7.48E-09	1.33E-08	1.34E-10	2.09E-08	7.28E-09	1.15E-08	1.70E-10	1.89E-08	4.14E-09	6.32E-09	4.20E-11	1.05E-08
1924	742936.75	4108289.31	4.92E-08	8.27E-08	9.12E-10	1.33E-07	7.62E-09	1.36E-08	1.37E-10	2.13E-08	7.41E-09	1.17E-08	1.74E-10	1.93E-08	4.21E-09	6.44E-09	4.28E-11	1.07E-08
1925	742956.97	4108302.99	5.02E-08	8.44E-08	9.30E-10	1.35E-07	7.78E-09	1.38E-08	1.40E-10	2.18E-08	7.56E-09	1.19E-08	1.77E-10	1.96E-08	4.30E-09	6.57E-09	4.37E-11	1.09E-08
1926	742977.18	4108316.67	5.13E-08	8.63E-08	9.51E-10	1.39E-07	7.95E-09	1.41E-08	1.43E-10	2.22E-08	7.73E-09	1.22E-08	1.81E-10	2.01E-08	4.39E-09	6.71E-09	4.47E-11	1.12E-08
1927	742997.39	4108330.35	5.25E-08	8.83E-08	9.74E-10	1.42E-07	8.14E-09	1.45E-08	1.46E-10	2.28E-08	7.92E-09	1.25E-08	1.85E-10	2.06E-08	4.50E-09	6.87E-09	4.57E-11	1.14E-08
1928	743017.6	4108344.03	5.39E-08	9.06E-08	9.99E-10	1.45E-07	8.35E-09	1.49E-08	1.50E-10	2.34E-08	8.12E-09	1.28E-08	1.90E-10	2.11E-08	4.61E-09	7.05E-09	4.69E-11	1.17E-08
1929	743037.82	4108357.71	5.53E-08	9.31E-08	1.03E-09	1.49E-07	8.58E-09	1.53E-08	1.54E-10	2.40E-08	8.34E-09	1.31E-08	1.95E-10	2.17E-08	4.74E-09	7.24E-09	4.82E-11	1.20E-08
1930	743058.03	4108371.39	5.69E-08	9.57E-08	1.05E-09	1.54E-07	8.82E-09	1.57E-08	1.58E-10	2.47E-08	8.58E-09	1.35E-08	2.01E-10	2.23E-08	4.87E-09	7.45E-09	4.95E-11	1.24E-08
1931	743078.24	4108385.07	5.85E-08	9.85E-08	1.09E-09	1.58E-07	9.07E-09	1.61E-08	1.63E-10	2.54E-08	8.82E-09	1.39E-08	2.07E-10	2.29E-08	5.01E-09	7.66E-09	5.10E-11	1.27E-08
1932	743098.45	4108398.75	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.35E-09	1.66E-08	1.68E-10	2.61E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.17E-09	7.89E-09	5.25E-11	1.31E-08

1933	743118.66	4108412.43	6.21E-08	1.05E-07	1.15E-09	1.68E-07	9.63E-09	1.71E-08	1.73E-10	2.69E-08	9.37E-09	1.47E-08	2.19E-10	2.43E-08	5.32E-09	8.13E-09	5.41E-11	1.35E-08
1934	743138.88	4108426.11	6.40E-08	1.08E-07	1.19E-09	1.73E-07	9.93E-09	1.77E-08	1.78E-10	2.78E-08	9.66E-09	1.52E-08	2.26E-10	2.51E-08	5.49E-09	8.38E-09	5.58E-11	1.39E-08
1935	743159.09	4108439.79	6.60E-08	1.11E-07	1.22E-09	1.78E-07	1.02E-08	1.82E-08	1.84E-10	2.86E-08	9.96E-09	1.57E-08	2.33E-10	2.59E-08	5.66E-09	8.65E-09	5.75E-11	1.44E-08
1936	743179.3	4108453.47	6.81E-08	1.15E-07	1.26E-09	1.84E-07	1.06E-08	1.88E-08	1.90E-10	2.95E-08	1.03E-08	1.62E-08	2.41E-10	2.67E-08	5.84E-09	8.92E-09	5.93E-11	1.48E-08
1937	743199.51	4108467.15	7.02E-08	1.18E-07	1.30E-09	1.90E-07	1.09E-08	1.94E-08	1.95E-10	3.05E-08	1.06E-08	1.67E-08	2.48E-10	2.75E-08	6.02E-09	9.20E-09	6.12E-11	1.53E-08
1938	743219.73	4108480.83	7.23E-08	1.22E-07	1.34E-09	1.95E-07	1.12E-08	2.00E-08	2.01E-10	3.14E-08	1.09E-08	1.72E-08	2.56E-10	2.83E-08	6.20E-09	9.47E-09	6.30E-11	1.57E-08
1939	743239.94	4108494.51	7.45E-08	1.25E-07	1.38E-09	2.01E-07	1.15E-08	2.05E-08	2.07E-10	3.23E-08	1.12E-08	1.77E-08	2.63E-10	2.92E-08	6.38E-09	9.75E-09	6.49E-11	1.62E-08
1940	743260.15	4108508.19	7.66E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.11E-08	2.13E-10	3.32E-08	1.15E-08	1.82E-08	2.70E-10	3.00E-08	6.56E-09	1.00E-08	6.67E-11	1.67E-08
1941	743280.36	4108521.87	7.86E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.19E-10	3.41E-08	1.19E-08	1.87E-08	2.78E-10	3.08E-08	6.74E-09	1.03E-08	6.85E-11	1.71E-08
1942	743300.58	4108535.55	8.06E-08	1.36E-07	1.49E-09	2.18E-07	1.25E-08	2.22E-08	2.24E-10	3.50E-08	1.22E-08	1.91E-08	2.85E-10	3.16E-08	6.90E-09	1.06E-08	7.02E-11	1.75E-08
1943	743320.79	4108549.23	8.24E-08	1.39E-07	1.53E-09	2.23E-07	1.28E-08	2.27E-08	2.29E-10	3.57E-08	1.24E-08	1.96E-08	2.91E-10	3.23E-08	7.06E-09	1.08E-08	7.18E-11	1.79E-08
1944	743341	4108562.91	8.41E-08	1.42E-07	1.56E-09	2.27E-07	1.30E-08	2.32E-08	2.34E-10	3.65E-08	1.27E-08	2.00E-08	2.97E-10	3.29E-08	7.21E-09	1.10E-08	7.33E-11	1.83E-08
1945	743361.21	4108576.59	8.56E-08	1.44E-07	1.59E-09	2.31E-07	1.33E-08	2.36E-08	2.38E-10	3.71E-08	1.29E-08	2.03E-08	3.02E-10	3.35E-08	7.33E-09	1.12E-08	7.46E-11	1.86E-08
1946	743381.42	4108590.27	8.69E-08	1.46E-07	1.61E-09	2.35E-07	1.35E-08	2.40E-08	2.42E-10	3.77E-08	1.31E-08	2.06E-08	3.07E-10	3.40E-08	7.45E-09	1.14E-08	7.57E-11	1.89E-08
1947	743401.64	4108603.95	8.80E-08	1.48E-07	1.63E-09	2.38E-07	1.36E-08	2.43E-08	2.45E-10	3.82E-08	1.33E-08	2.09E-08	3.11E-10	3.45E-08	7.54E-09	1.15E-08	7.67E-11	1.91E-08
1948	743421.85	4108617.63	8.89E-08	1.50E-07	1.65E-09	2.40E-07	1.38E-08	2.45E-08	2.47E-10	3.86E-08	1.34E-08	2.11E-08	3.14E-10	3.48E-08	7.62E-09	1.16E-08	7.75E-11	1.93E-08
1949	743442.06	4108631.32	8.97E-08	1.51E-07	1.66E-09	2.42E-07	1.39E-08	2.47E-08	2.50E-10	3.89E-08	1.35E-08	2.13E-08	3.17E-10	3.51E-08	7.69E-09	1.17E-08	7.81E-11	1.95E-08
1950	743462.27	4108645	9.04E-08	1.52E-07	1.68E-09	2.44E-07	1.40E-08	2.49E-08	2.51E-10	3.92E-08	1.36E-08	2.15E-08	3.19E-10	3.54E-08	7.74E-09	1.18E-08	7.87E-11	1.97E-08
1951	743482.49	4108658.68	9.10E-08	1.53E-07	1.69E-09	2.46E-07	1.41E-08	2.51E-08	2.53E-10	3.95E-08	1.37E-08	2.16E-08	3.21E-10	3.56E-08	7.80E-09	1.19E-08	7.93E-11	1.98E-08
1952	743502.7	4108672.36	9.16E-08	1.54E-07	1.70E-09	2.47E-07	1.42E-08	2.53E-08	2.55E-10	3.97E-08	1.38E-08	2.17E-08	3.24E-10	3.59E-08	7.85E-09	1.20E-08	7.98E-11	1.99E-08
1953	743522.91	4108686.04	9.23E-08	1.55E-07	1.71E-09	2.49E-07	1.43E-08	2.55E-08	2.57E-10	4.00E-08	1.39E-08	2.19E-08	3.26E-10	3.61E-08	7.91E-09	1.21E-08	8.04E-11	2.01E-08
1954	743543.12	4108699.72	9.29E-08	1.56E-07	1.72E-09	2.51E-07	1.44E-08	2.56E-08	2.59E-10	4.03E-08	1.40E-08	2.21E-08	3.28E-10	3.64E-08	7.96E-09	1.22E-08	8.10E-11	2.02E-08
1955	743563.33	4108713.4	9.37E-08	1.58E-07	1.74E-09	2.53E-07	1.45E-08	2.59E-08	2.61E-10	4.07E-08	1.41E-08	2.23E-08	3.31E-10	3.67E-08	8.03E-09	1.23E-08	8.17E-11	2.04E-08
1956	743583.55	4108727.08	9.46E-08	1.59E-07	1.75E-09	2.56E-07	1.47E-08	2.61E-08	2.63E-10	4.10E-08	1.43E-08	2.25E-08	3.34E-10	3.71E-08	8.11E-09	1.24E-08	8.24E-11	2.06E-08
1957	743603.76	4108740.76	9.55E-08	1.61E-07	1.77E-09	2.58E-07	1.48E-08	2.63E-08	2.66E-10	4.14E-08	1.44E-08	2.27E-08	3.37E-10	3.74E-08	8.18E-09	1.25E-08	8.32E-11	2.08E-08
1958	743623.97	4108754.44	9.63E-08	1.62E-07	1.79E-09	2.60E-07	1.49E-08	2.66E-08	2.68E-10	4.18E-08	1.45E-08	2.29E-08	3.40E-10	3.77E-08	8.25E-09	1.26E-08	8.39E-11	2.10E-08
1959	743644.18	4108768.12	9.71E-08	1.63E-07	1.80E-09	2.62E-07	1.51E-08	2.68E-08	2.70E-10	4.21E-08	1.46E-08	2.31E-08	3.43E-10	3.80E-08	8.32E-09	1.27E-08	8.46E-11	2.11E-08
1960	741055.74	4108235.74	2.83E-08	4.76E-08	5.24E-10	7.64E-08	4.38E-09	7.80E-09	7.87E-11	1.23E-08	4.26E-09	6.71E-09	9.99E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.15E-09
1961	741035.11	4108249	2.85E-08	4.80E-08	5.29E-10	7.71E-08	4.43E-09	7.87E-09	7.94E-11	1.24E-08	4.30E-09	6.77E-09	1.01E-10	1.12E-08	2.45E-09	3.74E-09	2.49E-11	6.21E-09
1962	741014.47	4108262.25	2.89E-08	4.86E-08	5.35E-10	7.79E-08	4.47E-09	7.96E-09	8.03E-11	1.25E-08	4.35E-09	6.85E-09	1.02E-10	1.13E-08	2.47E-09	3.78E-09	2.51E-11	6.28E-09
1963	740993.83	4108275.51	2.92E-08	4.92E-08	5.42E-10	7.89E-08	4.53E-09	8.06E-09	8.13E-11	1.27E-08	4.41E-09	6.94E-09	1.03E-10	1.14E-08	2.50E-09	3.83E-09	2.55E-11	6.36E-09
1964	740973.19	4108288.77	2.97E-08	4.99E-08	5.50E-10	8.02E-08	4.60E-09	8.19E-09	8.26E-11	1.29E-08	4.47E-09	7.04E-09	1.05E-10	1.16E-08	2.54E-09	3.89E-09	2.58E-11	6.45E-09
1965	740952.55	4108302.02	3.02E-08	5.08E-08	5.59E-10	8.15E-08	4.68E-09	8.32E-09	8.39E-11	1.31E-08	4.55E-09	7.16E-09	1.07E-10	1.18E-08	2.58E-09	3.95E-09	2.63E-11	6.56E-09
1966	740931.91	4108315.28	3.07E-08	5.17E-08	5.69E-10	8.29E-08	4.76E-09	8.47E-09	8.54E-11	1.33E-08	4.63E-09	7.29E-09	1.08E-10	1.20E-08	2.63E-09	4.02E-09	2.67E-11	6.68E-09
1967	740863.38	4107894.8	2.11E-08	3.56E-08	3.92E-10	5.71E-08	3.28E-09	5.83E-09	5.88E-11	9.17E-09	3.19E-09	5.02E-09	7.47E-11	8.28E-09	1.81E-09	2.77E-09	1.84E-11	4.60E-09
1968	740887.18	4107890.41	2.12E-08	3.56E-08	3.93E-10	5.72E-08	3.28E-09	5.84E-09	5.89E-11	9.18E-09	3.19E-09	5.03E-09	7.48E-11	8.29E-09	1.81E-09	2.77E-09	1.84E-11	4.60E-09
1969	740910.99	4107886.02	2.12E-08	3.57E-08	3.94E-10	5.74E-08	3.29E-09	5.86E-09	5.91E-11	9.21E-09	3.20E-09	5.04E-09	7.50E-11	8.32E-09	1.82E-09	2.78E-09	1.85E-11	4.62E-09
1970	740934.8	4107881.63	2.13E-08	3.59E-08	3.95E-10	5.76E-08	3.31E-09	5.88E-09	5.93E-11	9.25E-09	3.22E-09	5.06E-09	7.53E-11	8.35E-09	1.83E-09	2.79E-09	1.86E-11	4.64E-09
1971	740958.61	4107877.24	2.14E-08	3.61E-08	3.97E-10	5.79E-08	3.32E-09	5.91E-09	5.96E-11	9.29E-09	3.23E-09	5.09E-09	7.57E-11	8.39E-09	1.84E-09	2.81E-09	1.87E-11	4.66E-09
1972	740982.42	4107872.85	2.15E-08	3.62E-08	3.99E-10	5.82E-08	3.34E-09	5.94E-09	5.99E-11	9.34E-09	3.25E-09	5.11E-09	7.61E-11	8.43E-09	1.85E-09	2.82E-09	1.88E-11	4.68E-09
1973	741006.23	4107868.46	2.17E-08	3.64E-08	4.02E-10	5.85E-08	3.36E-09	5.97E-09	6.02E-11	9.39E-09	3.26E-09	5.14E-09	7.65E-11	8.48E-09	1.86E-09	2.83E-09	1.89E-11	4.71E-09
1974	741030.04	4107864.07	2.18E-08	3.66E-08	4.03E-10	5.88E-08	3.37E-09	6.00E-09	6.05E-11	9.43E-09	3.28E-09	5.16E-09	7.68E-11	8.52E-09	1.86E-09	2.85E-09	1.89E-11	4.73E-09
1975	741053.85	4107859.68	2.19E-08	3.68E-08	4.05E-10	5.90E-08	3.39E-09	6.03E-09	6.08E-11	9.48E-09	3.30E-09	5.19E-09	7.72E-11	8.56E-09	1.87E-09	2.86E-09	1.90E-11	4.75E-09
1976	741077.66	4107855.29	2.19E-08	3.69E-08	4.07E-10	5.93E-08	3.40E-09	6.05E-09	6.10E-11	9.51E-09	3.31E-09	5.21E-09	7.75E-11	8.59E-09	1.88E-09	2.87E-09	1.91E-11	4.77E-09
1977	741101.47	4107850.9	2.20E-08	3.70E-08	4.08E-10	5.94E-08	3.41E-09	6.07E-09	6.12E-11	9.54E-09	3.32E-09	5.22E-09	7.77E-11	8.62E-09	1.89E-09	2.88E-09	1.92E-11	4.79E-09
1978	741125.28	4107846.51	2.21E-08	3.71E-08	4.09E-10	5.96E-08	3.42E-09	6.08E-09	6.14E-11	9.57E-09	3.33E-09	5.24E-09	7.79E-11	8.64E-09	1.89E-09	2.89E-09	1.92E-11	4.80E-09
1979	741149.09	4107842.13	2.21E-08	3.72E-08	4.10E-10	5.97E-08	3.43E-09	6.10E-09	6.15E-11	9.58E-09	3.33E-09	5.25E-09	7.81E-11	8.66E-09	1.89E-09	2.89E-09	1.92E-11	4.81E-09
1980	741172.89	4107837.74	2.21E-08	3.72E-08	4.10E-10	5.98E-08	3.43E-09	6.11E-09	6.16E-11	9.60E-09	3.34E-09	5.25E-09	7.82E-11	8.67E-09	1.90E-09	2.90E-09	1.93E-11	4.81E-09
1981	741196.7	4107833.35	2.22E-08	3.73E-08	4.11E-10	5.98E-08	3.44E-09	6.11E-09	6.16E-11	9.61E-09	3.34E-09	5.26E-09	7.83E-11	8.68E-09	1.90E-09	2.90E-09	1.93E-11	4.82E-09
1982	741220.51	4107828.96	2.22E-08	3.74E-08	4.12E-10	6.00E-08	3.44E-09	6.12E-09	6.18E-11	9.63E-09	3.35E-09	5.27E-09	7.84E-11	8.70E-09	1.90E-09	2.91E-09	1.93E-11	4.83E-09
1983	741244.32	4107824.57	2.22E-08	3.74E-08	4.13E-10	6.01E-08	3.45E-09	6.14E-09	6.19E-11	9.65E-09	3.35E-09	5.28E-09	7.86E-11	8.72E-09	1.91E-09	2.91E-09	1.94E-11	4.84E-09
1984	741268.13	4107820.18	2.23E-08	3.75E-08	4.14E-10	6.02E-08	3.46E-09	6.15E-09	6.20E-11	9.67E-09	3.36E-09	5.29E-09	7.88E-11	8.73E-09	1.91E-09	2.92E-09	1.94E-11	4.85E-09
1985	741291.94	4107815.79	2.24E-08	3.77E-08	4.15E-10	6.04E-08	3.47E-09	6.17E-09	6.23E-11	9.70E-09	3.37E-09	5.31E-09	7.90E-11	8.76E-09	1.92E-09	2.93E-09	1.95E-11	4.87E-09
1986	741315.75	4107811.4	2.25E-08	3.78E-08	4.17E-10	6.07E-08	3.49E-09	6.20E-09	6.25E-11	9.75E-09	3.39E-09	5.34E-09	7.94E-11	8.80E-09	1.93E-09	2.94E-09	1.96E-11	4.89E-09
1987	741339.56	4107807.01	2.26E-08	3.80E-08	4.19E-10	6.10E-08	3.50E-09	6.23E-09	6.29E-11	9.80E-09	3.41E-09	5.36E-09	7.98E-11	8.85E-09	1.94E-09	2.96E-09	1.97E-11	4.91E-09
1988	741363.37	4107802.62	2.27E-08	3.83E-08	4.22E-10	6.14E-08	3.53E-09	6.28E-09	6.33E-11	9.87E-09	3.43E-09	5.40E-09	8.03E-11	8.91E-09	1.95E-09	2.98E-09	1.98E-11	4.95E-09
1989	741387.18	4107798.23	2.29E-08	3.86E-08	4.25E-10	6.19E-08	3.55E-09	6.32E-09	6.37E-11	9.94E-09	3.46E-09	5.44E-09	8.09E-11	8.98E-09	1.96E-09	3.00E-09	2.00E-11	4.98E-09
1990	741410.99	4107793.84	2.31E-08	3.89E-08	4.29E-10	6.24E-08	3.58E-09	6.37E-09	6.43E-11	1.00E-08	3.48E-09	5.49E-09	8.16E-11	9.05E-09	1.98E-09	3.03E-09	2.01E-11	5.03E-09
1991	741434.8	4107789.45	2.33E-08	3.92E-08	4.32E-10	6.30E-08	3.61E-09	6.43E-09	6.48E-11	1.01E-08	3.51E-09	5.53E-09	8.23E-11	9.13E-09	2.00E-09	3.05E-09	2.03E-11	5.07E-09
1992	741458.6	4107785.06	2.35E-08	3.96E-08	4.36E-10	6.36E-08	3.65E-09	6.49E-09	6.55E-11	1.02E-08	3.55E-09	5.59E-09	8.31E-11	9.22E-09	2.02E-09	3.08E-09	2.05E-11	5.12E-09
1993	741482.41	4107780.67	2.37E-08	4.00E-08	4.40E-10	6.41E-08	3.68E-09	6.55E-09	6.61E-11	1.03E-08	3.58E-09	5.64E-09	8.39E-11	9.30E-09	2.03E-09	3.11E-09	2.07E-11	5.16E-09
1994	741506.22	4107776.28	2.40E-08	4.03E-08	4.45E-10	6.47E-08	3.72E-09	6.61E-09	6.67E-11	1.04E-08	3.61E-09	5.69E-09	8.47E-11	9.39E-09	2.05E-09	3.14E-09	2.09E-11	5.21E-09
1995	741530.03	4107771.9	2.42E-08	4.07E-08	4.48E-10	6.53E-08	3.75E-09	6.67E-09	6.72E-11	1.05E-08	3.64E-09	5.74E-09	8.53E-11	9.46E-09	2.07E-09	3.16E-09	2.10E-11	5.25E-09
1996	741553.84	4107767.51	2.43E-08	4.10E-08	4.51E-10	6.57E-08	3.77E-09	6.71E-09	6.77E-11	1.06E-08	3.67E-09	5.78E-09	8.60E-11	9.53E-09	2.09E-09	3.19E-09	2.12E-11	5.29E-09
1997	741577.65	4107763.12	2.45E-08	4.12E-08	4.55E-10	6.62E-08	3.80E-09	6.76E-09	6.82E-11	1.06E-08	3.69E-09	5.82E-09	8.66E-11	9.60E-09	2.10E-09	3.21E-09	2.13E-11	5.33E-09
1998	741601.46	4107758.73	2.46E-08	4.15E-08	4.57E-10	6.66E-08	3.82E-09	6.80E-09	6.86E-11	1.07E-08	3.72E-09	5.85E-09	8.70E-11	9.65E-09	2.11E-09	3.23E-09	2.15E-11	5.36E-09
1999	741625.27	4107754.34	2.48E-08	4.17E-08	4.59E-10	6.69E-08	3.84E-09	6.83E-09	6.89E-11	1.07E-08	3.73E-09	5.88E-09	8.74E-11	9.70E-09	2.12E-09	3.24E-09	2.16E-11	5.38E-09
2000	741649.08	4107749.95	2.49E-08	4.18E-08	4.61E-10	6.71E-08	3.85E-09	6.86E-09	6.92E-11	1.08E-08	3.75E-09	5.90E-09	8.78E-11	9.74E-09	2.13E-09	3.25E-09	2.17E-11	5.41E-09
2001	741672.89	4107745.56	2.49E-08	4.20E-08	4.62E-10	6.74E-08	3.87E-09	6.88E-09	6.94E-11	1.08E-08	3.76E-09	5.92E-09	8.81E-11	9.77E-09	2.14E-09	3.26E-09	2.17E-11	5.42E-09
2002	741696.7	4107741.17	2.50E-08	4.21E-08	4.64E-10	6.76E-08	3.88E-09	6.90E-09	6.96E-11	1.08E-08	3.77E-09	5.94E-09	8.83E-11	9.80E-09	2.14E-09	3.27E-09	2.18E-11	5.44E-09
2003	741720.51	4107736.78	2.51E-08	4.22E-08	4.65E-10	6.78E-08	3.89E-09	6.92E-09	6.98E-11	1.09E-08	3.78E-09	5.96E-09	8.86E-11	9.83E-09	2.15E-09	3.28E-09	2.19E-11	5.46E-09
2004	741744.31	4107732.39	2.52E-08	4.23E-08	4.67E-10	6.79E-08	3.90E-09	6.94E-09	7.00E-11	1.09E-08	3.79E-09	5.97E-09	8.88E-11	9.85E-09	2.16E-09	3.29E-09	2.19E-11	5.47E-09
2005	741768.12	4107728	2.52E-08	4.25E-08	4.68E-10	6.82E-08	3.91E-09	6.96E-09	7.02E-11	1.09E-08	3.81E-09	5.99E-09	8.92E-11	9.89E-09	2.16E-09	3.31E-09	2.20E-11	5.49E-09
2006	741791.93	4107723.61	2.53E-08	4.27E-08	4.70E-10	6.85E-08	3.93E-09	6.99E-09	7.05E-11	1.10E-08	3.82E-09	6.02E-09	8.95E-11	9.93E-09	2.17E-09	3.32E-09	2.21E-11	5.51E-09
2007	741815.74	4107719.22	2.55E-08	4.28E-08	4.72E-10	6.88E-08	3.95E-09	7.02E-09	7.08E-11	1.10E-08	3.84E-09	6.04E-09	8.99E-11	9.97E-09	2.18E-09	3.33E-09	2.22E-11	5.54E-09
2008	741839.55	4107714.83	2.56E-08	4.31E-08	4.75E-10	6.91E-08	3.97E-09	7.06E-09	7.12E-11	1.11E-08	3.86E-09	6.08E-09	9.04E-11	1.00E-08	2.19E-09	3.35E-09	2.23E-11	5.57E-09
2009	741863.36	4107710.44	2.57E-08	4.33E-08	4.77E-10	6.95E-08	3.99E-09	7.10E-09	7.16E-11	1.12E-08	3.88E-09	6.11E-09	9.09E-11	1.01E-08	2.21E-09	3.37E-09	2.24E-11	5.60E-09
2010	741887.17	4107706.05	2.59E-08	4.36E-08	4.80E-10	7.00E-08	4.02E-09	7.15E-09	7.21E-11	1.12E-08	3.91E-09	6.15E-09	9.15E-11	1.01E-08	2.22E-09	3.39E-09	2.26E-11	5.63E-09
2011	741910.98	4107701.67	2.61E-08	4.39E-08	4.84E-10	7.04E-08	4.04E-09	7.19E-09	7.25E-11	1.13E-08	3.93E-09	6.19E-09	9.21E-11	1.02E-08	2.23E-09	3.41E-09	2.27E-11	5.67E-09
2012	741934.79	4107697.28	2.62E-08	4.42E-08	4.87E-10	7.09E-08	4.07E-09	7.24E-09	7.30E-11	1.14E-08	3.96E-09	6.23E-09	9.27E-11	1.03E-08	2.25E-09	3.44E-09	2.29E-11	5.71E-09
2013	741958.6	4107692.89	2.64E-08	4.45E-08	4.90E-10	7.14E-08	4.10E-09	7.29E-09	7.35E-11	1.15E-08	3.98E-09	6.27E-09	9.33E-11	1.03E-08	2.26E-09	3.46E-09	2.30E-11	5.75E-09
2014	741982.41	4107688.5	2.66E-08	4.47E-08	4.93E-10	7.18E-08	4.12E-09	7.33E-09	7.40E-11	1.15E-08	4.01E-09	6.31E-09	9.39E-11	1.04E-08	2.28E-09	3.48E-09	2.32E-11	5.78E-09
2015	742006.21	4107684.11	2.67E-08	4.50E-08	4.96E-10	7.22E-08	4.14E-09	7.37E-09	7.43E-11	1.16E-08	4.03E-09	6.34E-09	9.44E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
2016	742030.02	4107679.72	2.68E-08	4.51E-08	4.98E-10	7.25E-08	4.16E-09	7.40E-09	7.46E-11	1.16E-08	4.05E-09	6.37E-09	9.48E-11	1.05E-08	2.30E-09	3.51E-09	2.34E-11	5.83E-09
2017	742053.83	4107675.33	2.69E-08	4.53E-08	4.99E-10	7.27E-08	4.17E-09	7.42E-09	7.48E-11	1.17E-08	4.06E-09	6.38E-09	9.50E-11	1.05E-08	2.30E-09	3.52E-09	2.34E-11	5.85E-09
2018	742077.64	4107670.94	2.69E-08	4.53E-08	4.99E-10	7.27E-08	4.18E-09	7.43E-09	7.49E-11	1.17E-08	4.06E-09	6.39E-09	9.51E-11	1.05E-08	2.31E-09	3.53E-09	2.35E-11	5.86E-09
2019	742101.45	4107666.55	2.69E-08	4.53E-08	5.00E-10	7.28E-08	4.18E-09	7.43E-09	7.49E-11	1.17E-08	4.06E-09	6.39E-09	9.52E-11	1.06E-08	2.31E-09	3.53E-09	2.35E-11	5.86E-09
2020	742125.26	4107662.16	2.69E-08	4.53E-08	4.99E-10	7.27E-08	4.17E-09	7.42E-09	7.48E-11	1.17E-08	4.06E-09	6.38E-09	9.50E-11	1.05E-08	2.30E-09	3.52E-09	2.34E-11	5.85E-09

2021	742149.07	4107657.77	2.68E-08	4.51E-08	4.97E-10	7.24E-08	4.16E-09	7.40E-09	7.46E-11	1.16E-08	4.04E-09	6.36E-09	9.47E-11	1.05E-08	2.30E-09	3.51E-09	2.34E-11	5.83E-09
2022	742172.88	4107653.38	2.67E-08	4.49E-08	4.95E-10	7.21E-08	4.14E-09	7.37E-09	7.43E-11	1.16E-08	4.03E-09	6.34E-09	9.43E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
2023	742196.69	4107648.99	2.66E-08	4.47E-08	4.93E-10	7.18E-08	4.12E-09	7.33E-09	7.40E-11	1.15E-08	4.01E-09	6.31E-09	9.39E-11	1.04E-08	2.28E-09	3.48E-09	2.32E-11	5.78E-09
2024	742220.5	4107644.6	2.64E-08	4.45E-08	4.91E-10	7.14E-08	4.10E-09	7.30E-09	7.36E-11	1.15E-08	3.99E-09	6.28E-09	9.34E-11	1.04E-08	2.27E-09	3.46E-09	2.30E-11	5.75E-09
2025	742244.31	4107640.21	2.63E-08	4.43E-08	4.88E-10	7.11E-08	4.08E-09	7.26E-09	7.32E-11	1.14E-08	3.97E-09	6.25E-09	9.30E-11	1.03E-08	2.25E-09	3.45E-09	2.29E-11	5.72E-09
2026	742268.12	4107635.82	2.62E-08	4.41E-08	4.86E-10	7.08E-08	4.06E-09	7.23E-09	7.29E-11	1.14E-08	3.95E-09	6.22E-09	9.25E-11	1.03E-08	2.24E-09	3.43E-09	2.28E-11	5.70E-09
2027	742291.92	4107631.44	2.61E-08	4.39E-08	4.84E-10	7.05E-08	4.05E-09	7.20E-09	7.26E-11	1.13E-08	3.94E-09	6.20E-09	9.22E-11	1.02E-08	2.24E-09	3.42E-09	2.27E-11	5.68E-09
2028	742315.73	4107627.05	2.60E-08	4.38E-08	4.83E-10	7.04E-08	4.04E-09	7.19E-09	7.25E-11	1.13E-08	3.93E-09	6.18E-09	9.20E-11	1.02E-08	2.23E-09	3.41E-09	2.27E-11	5.66E-09
2029	742339.54	4107622.66	2.60E-08	4.38E-08	4.83E-10	7.03E-08	4.04E-09	7.18E-09	7.24E-11	1.13E-08	3.92E-09	6.18E-09	9.19E-11	1.02E-08	2.23E-09	3.41E-09	2.27E-11	5.66E-09
2030	742363.35	4107618.27	2.61E-08	4.39E-08	4.83E-10	7.04E-08	4.04E-09	7.19E-09	7.25E-11	1.13E-08	3.93E-09	6.19E-09	9.21E-11	1.02E-08	2.23E-09	3.41E-09	2.27E-11	5.67E-09
2031	742387.16	4107613.88	2.61E-08	4.40E-08	4.85E-10	7.06E-08	4.05E-09	7.21E-09	7.27E-11	1.13E-08	3.94E-09	6.20E-09	9.23E-11	1.02E-08	2.24E-09	3.42E-09	2.28E-11	5.68E-09
2032	742410.97	4107609.49	2.63E-08	4.42E-08	4.87E-10	7.09E-08	4.07E-09	7.24E-09	7.30E-11	1.14E-08	3.96E-09	6.23E-09	9.27E-11	1.03E-08	2.25E-09	3.44E-09	2.29E-11	5.71E-09
2033	742434.78	4107605.1	2.65E-08	4.45E-08	4.91E-10	7.15E-08	4.11E-09	7.30E-09	7.37E-11	1.15E-08	3.99E-09	6.28E-09	9.35E-11	1.04E-08	2.27E-09	3.47E-09	2.31E-11	5.76E-09
2034	742458.59	4107600.71	2.68E-08	4.50E-08	4.96E-10	7.23E-08	4.15E-09	7.38E-09	7.44E-11	1.16E-08	4.03E-09	6.35E-09	9.45E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.82E-09
2035	742482.4	4107596.32	2.71E-08	4.56E-08	5.03E-10	7.32E-08	4.20E-09	7.48E-09	7.54E-11	1.18E-08	4.09E-09	6.43E-09	9.57E-11	1.06E-08	2.32E-09	3.55E-09	2.36E-11	5.90E-09
2036	742506.21	4107591.93	2.75E-08	4.62E-08	5.10E-10	7.42E-08	4.26E-09	7.58E-09	7.64E-11	1.19E-08	4.14E-09	6.52E-09	9.71E-11	1.08E-08	2.35E-09	3.60E-09	2.39E-11	5.98E-09
2037	742530.02	4107587.54	2.79E-08	4.69E-08	5.17E-10	7.52E-08	4.32E-09	7.68E-09	7.75E-11	1.21E-08	4.20E-09	6.61E-09	9.84E-11	1.09E-08	2.39E-09	3.65E-09	2.43E-11	6.06E-09
2038	742573.88	4107596.72	2.90E-08	4.89E-08	5.39E-10	7.85E-08	4.50E-09	8.01E-09	8.08E-11	1.26E-08	4.38E-09	6.90E-09	1.03E-10	1.14E-08	2.49E-09	3.80E-09	2.53E-11	6.32E-09
2039	742593.93	4107610.29	2.98E-08	5.02E-08	5.53E-10	8.06E-08	4.63E-09	8.23E-09	8.30E-11	1.29E-08	4.50E-09	7.08E-09	1.05E-10	1.17E-08	2.56E-09	3.91E-09	2.60E-11	6.49E-09
2040	742613.97	4107623.86	3.06E-08	5.15E-08	5.67E-10	8.26E-08	4.74E-09	8.44E-09	8.51E-11	1.33E-08	4.61E-09	7.26E-09	1.08E-10	1.20E-08	2.62E-09	4.01E-09	2.66E-11	6.65E-09
2041	742634.02	4107637.43	3.13E-08	5.27E-08	5.81E-10	8.46E-08	4.86E-09	8.64E-09	8.71E-11	1.36E-08	4.72E-09	7.43E-09	1.11E-10	1.23E-08	2.68E-09	4.10E-09	2.73E-11	6.81E-09
2042	742654.07	4107651	3.20E-08	5.38E-08	5.93E-10	8.64E-08	4.96E-09	8.82E-09	8.89E-11	1.39E-08	4.82E-09	7.59E-09	1.13E-10	1.25E-08	2.74E-09	4.19E-09	2.79E-11	6.95E-09
2043	742674.12	4107664.57	3.26E-08	5.48E-08	6.04E-10	8.79E-08	5.05E-09	8.98E-09	9.06E-11	1.41E-08	4.91E-09	7.73E-09	1.15E-10	1.28E-08	2.79E-09	4.26E-09	2.84E-11	7.08E-09
2044	742694.17	4107678.14	3.30E-08	5.56E-08	6.13E-10	8.92E-08	5.12E-09	9.12E-09	9.19E-11	1.43E-08	4.98E-09	7.84E-09	1.17E-10	1.29E-08	2.83E-09	4.33E-09	2.88E-11	7.19E-09
2045	742714.22	4107691.71	3.35E-08	5.63E-08	6.20E-10	9.04E-08	5.19E-09	9.23E-09	9.31E-11	1.45E-08	5.04E-09	7.94E-09	1.18E-10	1.31E-08	2.87E-09	4.38E-09	2.91E-11	7.28E-09
2046	742734.27	4107705.28	3.38E-08	5.68E-08	6.27E-10	9.13E-08	5.24E-09	9.32E-09	9.40E-11	1.47E-08	5.09E-09	8.02E-09	1.19E-10	1.32E-08	2.89E-09	4.42E-09	2.94E-11	7.35E-09
2047	742754.32	4107718.85	3.40E-08	5.72E-08	6.31E-10	9.19E-08	5.27E-09	9.38E-09	9.46E-11	1.48E-08	5.13E-09	8.07E-09	1.20E-10	1.33E-08	2.91E-09	4.45E-09	2.96E-11	7.40E-09
2048	742774.37	4107732.42	3.41E-08	5.74E-08	6.33E-10	9.22E-08	5.29E-09	9.42E-09	9.50E-11	1.48E-08	5.15E-09	8.10E-09	1.21E-10	1.34E-08	2.92E-09	4.47E-09	2.97E-11	7.42E-09
2049	742794.42	4107745.99	3.42E-08	5.75E-08	6.34E-10	9.23E-08	5.30E-09	9.43E-09	9.51E-11	1.48E-08	5.15E-09	8.12E-09	1.21E-10	1.34E-08	2.93E-09	4.48E-09	2.98E-11	7.43E-09
2050	742814.47	4107759.56	3.42E-08	5.75E-08	6.34E-10	9.23E-08	5.30E-09	9.43E-09	9.51E-11	1.48E-08	5.15E-09	8.11E-09	1.21E-10	1.34E-08	2.93E-09	4.47E-09	2.98E-11	7.43E-09
2051	742834.52	4107773.13	3.41E-08	5.74E-08	6.32E-10	9.21E-08	5.29E-09	9.41E-09	9.49E-11	1.48E-08	5.14E-09	8.10E-09	1.20E-10	1.34E-08	2.92E-09	4.47E-09	2.97E-11	7.42E-09
2052	742854.57	4107786.7	3.40E-08	5.72E-08	6.31E-10	9.19E-08	5.27E-09	9.38E-09	9.46E-11	1.48E-08	5.13E-09	8.07E-09	1.20E-10	1.33E-08	2.91E-09	4.45E-09	2.96E-11	7.40E-09
2053	742874.62	4107800.27	3.39E-08	5.71E-08	6.29E-10	9.16E-08	5.26E-09	9.36E-09	9.44E-11	1.47E-08	5.11E-09	8.05E-09	1.20E-10	1.33E-08	2.91E-09	4.44E-09	2.95E-11	7.38E-09
2054	742894.67	4107813.85	3.38E-08	5.70E-08	6.28E-10	9.14E-08	5.25E-09	9.34E-09	9.42E-11	1.47E-08	5.10E-09	8.04E-09	1.20E-10	1.33E-08	2.90E-09	4.43E-09	2.95E-11	7.36E-09
2055	742914.72	4107827.42	3.38E-08	5.69E-08	6.27E-10	9.14E-08	5.25E-09	9.33E-09	9.41E-11	1.47E-08	5.10E-09	8.03E-09	1.20E-10	1.33E-08	2.90E-09	4.43E-09	2.95E-11	7.36E-09
2056	742934.77	4107840.99	3.39E-08	5.70E-08	6.28E-10	9.15E-08	5.25E-09	9.35E-09	9.43E-11	1.47E-08	5.11E-09	8.04E-09	1.20E-10	1.33E-08	2.90E-09	4.44E-09	2.95E-11	7.37E-09
2057	742954.82	4107854.56	3.40E-08	5.72E-08	6.31E-10	9.18E-08	5.27E-09	9.38E-09	9.46E-11	1.47E-08	5.13E-09	8.07E-09	1.20E-10	1.33E-08	2.91E-09	4.45E-09	2.96E-11	7.39E-09
2058	742974.87	4107868.13	3.42E-08	5.76E-08	6.34E-10	9.24E-08	5.30E-09	9.44E-09	9.52E-11	1.48E-08	5.16E-09	8.12E-09	1.21E-10	1.34E-08	2.93E-09	4.48E-09	2.98E-11	7.44E-09
2059	742994.92	4107881.7	3.45E-08	5.80E-08	6.40E-10	9.31E-08	5.35E-09	9.51E-09	9.59E-11	1.50E-08	5.20E-09	8.19E-09	1.22E-10	1.35E-08	2.95E-09	4.51E-09	3.00E-11	7.50E-09
2060	743014.97	4107895.27	3.48E-08	5.86E-08	6.46E-10	9.41E-08	5.40E-09	9.61E-09	9.70E-11	1.51E-08	5.26E-09	8.27E-09	1.23E-10	1.37E-08	2.99E-09	4.56E-09	3.04E-11	7.58E-09
2061	743035.02	4107908.84	3.53E-08	5.94E-08	6.55E-10	9.53E-08	5.47E-09	9.74E-09	9.82E-11	1.53E-08	5.32E-09	8.38E-09	1.25E-10	1.38E-08	3.02E-09	4.62E-09	3.07E-11	7.67E-09
2062	743055.07	4107922.41	3.58E-08	6.02E-08	6.64E-10	9.67E-08	5.55E-09	9.87E-09	9.96E-11	1.55E-08	5.40E-09	8.50E-09	1.26E-10	1.40E-08	3.07E-09	4.69E-09	3.12E-11	7.78E-09
2063	743075.12	4107935.98	3.63E-08	6.11E-08	6.74E-10	9.81E-08	5.63E-09	1.00E-08	1.01E-10	1.58E-08	5.48E-09	8.62E-09	1.28E-10	1.42E-08	3.11E-09	4.76E-09	3.17E-11	7.90E-09
2064	743095.17	4107949.55	3.69E-08	6.21E-08	6.85E-10	9.98E-08	5.73E-09	1.02E-08	1.03E-10	1.60E-08	5.57E-09	8.77E-09	1.30E-10	1.45E-08	3.16E-09	4.84E-09	3.22E-11	8.03E-09
2065	743115.22	4107963.12	3.76E-08	6.32E-08	6.97E-10	1.01E-07	5.82E-09	1.04E-08	1.04E-10	1.63E-08	5.66E-09	8.92E-09	1.33E-10	1.47E-08	3.22E-09	4.92E-09	3.27E-11	8.17E-09
2066	743135.27	4107976.69	3.82E-08	6.43E-08	7.09E-10	1.03E-07	5.93E-09	1.05E-08	1.06E-10	1.66E-08	5.77E-09	9.08E-09	1.35E-10	1.50E-08	3.28E-09	5.01E-09	3.33E-11	8.32E-09
2067	743155.32	4107990.26	3.89E-08	6.55E-08	7.22E-10	1.05E-07	6.04E-09	1.07E-08	1.08E-10	1.69E-08	5.87E-09	9.25E-09	1.38E-10	1.53E-08	3.34E-09	5.10E-09	3.39E-11	8.47E-09
2068	743175.37	4108003.83	3.97E-08	6.68E-08	7.36E-10	1.07E-07	6.16E-09	1.10E-08	1.10E-10	1.72E-08	5.99E-09	9.43E-09	1.40E-10	1.56E-08	3.40E-09	5.20E-09	3.46E-11	8.64E-09
2069	743195.42	4108017.4	4.05E-08	6.82E-08	7.52E-10	1.09E-07	6.28E-09	1.12E-08	1.13E-10	1.76E-08	6.11E-09	9.62E-09	1.43E-10	1.59E-08	3.47E-09	5.31E-09	3.53E-11	8.81E-09
2070	743215.47	4108030.97	4.14E-08	6.97E-08	7.68E-10	1.12E-07	6.42E-09	1.14E-08	1.15E-10	1.80E-08	6.24E-09	9.83E-09	1.46E-10	1.62E-08	3.55E-09	5.42E-09	3.61E-11	9.00E-09
2071	743235.52	4108044.54	4.23E-08	7.12E-08	7.85E-10	1.14E-07	6.56E-09	1.17E-08	1.18E-10	1.84E-08	6.38E-09	1.00E-08	1.49E-10	1.66E-08	3.63E-09	5.54E-09	3.69E-11	9.20E-09
2072	743255.57	4108058.11	4.33E-08	7.28E-08	8.03E-10	1.17E-07	6.71E-09	1.19E-08	1.20E-10	1.88E-08	6.53E-09	1.03E-08	1.53E-10	1.70E-08	3.71E-09	5.67E-09	3.77E-11	9.41E-09
2073	743275.62	4108071.68	4.43E-08	7.46E-08	8.22E-10	1.20E-07	6.87E-09	1.22E-08	1.23E-10	1.92E-08	6.68E-09	1.05E-08	1.56E-10	1.74E-08	3.80E-09	5.80E-09	3.86E-11	9.64E-09
2074	743295.67	4108085.25	4.54E-08	7.64E-08	8.42E-10	1.23E-07	7.04E-09	1.25E-08	1.26E-10	1.97E-08	6.85E-09	1.08E-08	1.60E-10	1.78E-08	3.89E-09	5.94E-09	3.95E-11	9.87E-09
2075	743315.72	4108098.82	4.65E-08	7.83E-08	8.63E-10	1.26E-07	7.22E-09	1.28E-08	1.29E-10	2.02E-08	7.02E-09	1.10E-08	1.64E-10	1.82E-08	3.99E-09	6.09E-09	4.05E-11	1.01E-08
2076	743335.77	4108112.39	4.77E-08	8.02E-08	8.84E-10	1.29E-07	7.39E-09	1.32E-08	1.33E-10	2.07E-08	7.19E-09	1.13E-08	1.68E-10	1.87E-08	4.09E-09	6.24E-09	4.15E-11	1.04E-08
2077	743355.82	4108125.96	4.89E-08	8.23E-08	9.07E-10	1.32E-07	7.58E-09	1.35E-08	1.36E-10	2.12E-08	7.37E-09	1.16E-08	1.73E-10	1.91E-08	4.19E-09	6.40E-09	4.26E-11	1.06E-08
2078	743375.87	4108139.53	5.01E-08	8.43E-08	9.29E-10	1.35E-07	7.77E-09	1.38E-08	1.39E-10	2.17E-08	7.55E-09	1.19E-08	1.77E-10	1.96E-08	4.29E-09	6.56E-09	4.36E-11	1.09E-08
2079	743395.92	4108153.1	5.13E-08	8.64E-08	9.52E-10	1.39E-07	7.96E-09	1.42E-08	1.43E-10	2.23E-08	7.74E-09	1.22E-08	1.81E-10	2.01E-08	4.40E-09	6.72E-09	4.47E-11	1.12E-08
2080	743415.97	4108166.67	5.26E-08	8.85E-08	9.76E-10	1.42E-07	8.16E-09	1.45E-08	1.46E-10	2.28E-08	7.93E-09	1.25E-08	1.86E-10	2.06E-08	4.51E-09	6.89E-09	4.58E-11	1.14E-08
2081	743436.01	4108180.24	5.39E-08	9.07E-08	9.99E-10	1.46E-07	8.36E-09	1.49E-08	1.50E-10	2.34E-08	8.12E-09	1.28E-08	1.90E-10	2.11E-08	4.62E-09	7.06E-09	4.69E-11	1.17E-08
2082	743456.06	4108193.81	5.52E-08	9.29E-08	1.02E-09	1.49E-07	8.56E-09	1.52E-08	1.54E-10	2.39E-08	8.32E-09	1.31E-08	1.95E-10	2.16E-08	4.73E-09	7.23E-09	4.81E-11	1.20E-08
2083	743476.11	4108207.38	5.65E-08	9.50E-08	1.05E-09	1.53E-07	8.76E-09	1.56E-08	1.57E-10	2.45E-08	8.52E-09	1.34E-08	2.00E-10	2.21E-08	4.84E-09	7.40E-09	4.92E-11	1.23E-08
2084	743496.16	4108220.95	5.78E-08	9.72E-08	1.07E-09	1.56E-07	8.96E-09	1.59E-08	1.61E-10	2.51E-08	8.71E-09	1.37E-08	2.04E-10	2.26E-08	4.95E-09	7.56E-09	5.03E-11	1.26E-08
2085	743516.21	4108234.52	5.90E-08	9.93E-08	1.09E-09	1.59E-07	9.15E-09	1.63E-08	1.64E-10	2.56E-08	8.90E-09	1.40E-08	2.09E-10	2.31E-08	5.06E-09	7.73E-09	5.14E-11	1.28E-08
2086	743536.26	4108248.09	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
2087	743556.31	4108261.66	6.14E-08	1.03E-07	1.14E-09	1.66E-07	9.53E-09	1.70E-08	1.71E-10	2.66E-08	9.26E-09	1.46E-08	2.17E-10	2.41E-08	5.26E-09	8.04E-09	5.35E-11	1.34E-08
2088	743576.36	4108275.23	6.26E-08	1.05E-07	1.16E-09	1.69E-07	9.70E-09	1.73E-08	1.74E-10	2.71E-08	9.43E-09	1.48E-08	2.21E-10	2.45E-08	5.36E-09	8.19E-09	5.45E-11	1.36E-08
2089	743596.41	4108288.8	6.36E-08	1.07E-07	1.18E-09	1.72E-07	9.86E-09	1.75E-08	1.77E-10	2.76E-08	9.58E-09	1.51E-08	2.25E-10	2.49E-08	5.45E-09	8.32E-09	5.54E-11	1.38E-08
2090	743616.46	4108302.37	6.45E-08	1.08E-07	1.20E-09	1.74E-07	1.00E-08	1.78E-08	1.79E-10	2.80E-08	9.72E-09	1.53E-08	2.28E-10	2.53E-08	5.52E-09	8.44E-09	5.62E-11	1.40E-08
2091	743636.51	4108315.94	6.52E-08	1.10E-07	1.21E-09	1.76E-07	1.01E-08	1.80E-08	1.82E-10	2.83E-08	9.84E-09	1.55E-08	2.30E-10	2.56E-08	5.59E-09	8.54E-09	5.68E-11	1.42E-08
2092	743656.56	4108329.51	6.59E-08	1.11E-07	1.22E-09	1.78E-07	1.02E-08	1.82E-08	1.83E-10	2.86E-08	9.94E-09	1.56E-08	2.33E-10	2.58E-08	5.65E-09	8.63E-09	5.74E-11	1.43E-08
2093	743676.61	4108343.08	6.64E-08	1.12E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.85E-10	2.88E-08	1.00E-08	1.58E-08	2.35E-10	2.60E-08	5.69E-09	8.70E-09	5.79E-11	1.44E-08
2094	743696.66	4108356.65	6.69E-08	1.13E-07	1.24E-09	1.81E-07	1.04E-08	1.84E-08	1.86E-10	2.90E-08	1.01E-08	1.59E-08	2.36E-10	2.62E-08	5.73E-09	8.75E-09	5.82E-11	1.45E-08
2095	743716.71	4108370.22	6.72E-08	1.13E-07	1.25E-09	1.82E-07	1.04E-08	1.85E-08	1.87E-10	2.91E-08	1.01E-08	1.60E-08	2.37E-10	2.63E-08	5.76E-09	8.80E-09	5.85E-11	1.46E-08
2096	743736.76	4108383.79	6.75E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.78E-09	8.84E-09	5.88E-11	1.47E-08
2097	743756.81	4108397.36	6.77E-08	1.14E-07	1.26E-09	1.83E-07	1.05E-08	1.87E-08	1.88E-10	2.94E-08	1.02E-08	1.61E-08	2.39E-10	2.65E-08	5.80E-09	8.87E-09	5.90E-11	1.47E-08
2098	743776.86	4108410.93	6.80E-08	1.14E-07	1.26E-09	1.84E-07	1.05E-08	1.88E-08	1.89E-10	2.95E-08	1.03E-08	1.62E-08	2.40E-10	2.66E-08	5.83E-09	8.91E-09	5.93E-11	1.48E-08
2099	743796.91	4108424.5	6.83E-08	1.15E-07	1.27E-09	1.85E-07	1.06E-08	1.89E-08	1.90E-10	2.96E-08	1.03E-08	1.62E-08	2.41E-10	2.68E-08	5.86E-09	8.95E-09	5.95E-11	1.49E-08
2100	743816.96	4108438.07	6.87E-08	1.16E-07	1.27E-09	1.86E-07	1.07E-08	1.90E-08	1.91E-10	2.98E-08	1.04E-08	1.63E-08	2.43E-10	2.69E-08	5.89E-09	9.00E-09	5.99E-11	1.49E-08
2101	743837.01	4108451.64	6.92E-08	1.16E-07	1.28E-09	1.87E-07	1.07E-08	1.91E-08	1.93E-10	3.00E-08	1.04E-08	1.64E-08	2.45E-10	2.71E-08	5.93E-09	9.06E-09	6.03E-11	1.51E-08
2102	743857.06	4108465.21	6.98E-08	1.17E-07	1.29E-09	1.89E-07	1.08E-08	1.93E-08	1.94E-10	3.03E-08	1.05E-08	1.66E-08	2.47E-10	2.73E-08	5.98E-09	9.14E-09	6.08E-11	1.52E-08
2103	743877.11	4108478.78	7.04E-08	1.19E-07	1.31E-09	1.90E-07	1.09E-08	1.94E-08	1.96E-10	3.05E-08	1.06E-08	1.67E-08	2.49E-10	2.76E-08	6.03E-09	9.22E-09	6.14E-11	1.53E-08
2104	743897.16	4108492.35	7.11E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.08E-08	1.07E-08	1.69E-08	2.51E-10	2.79E-08	6.09E-09	9.31E-09	6.19E-11	1.55E-08
2105	743917.21	4108505.92	7.18E-08	1.21E-07	1.33E-09	1.94E-07	1.11E-08	1.98E-08	2.00E-10	3.11E-08	1.08E-08	1.70E-08	2.54E-10	2.81E-08	6.15E-09	9.40E-09	6.25E-11	1.56E-08
2106	743937.26	4108519.49	7.24E-08	1.22E-07	1.34E-09	1.96E-07	1.12E-08	2.00E-08	2.01E-10	3.14E-08	1.09E-08	1.72E-08	2.56E-10	2.84E-08	6.21E-09	9.48E-09	6.31E-11	1.58E-08
2107	743957.31	4108533.06	7.30E-08	1.23E-07	1.35E-09	1.97E-07	1.13E-08	2.01E-08	2.03E-10	3.17E-08	1.10E-08	1.73E-08	2.58E-10	2.86E-08	6.25E-09	9.56E-09	6.36E-11	1.59E-08
2108	743977.36	4108546.63	7.35E-08	1.24E-07	1.36E-09	1.99E-07	1.14E-08	2.03E-08	2.04E-10	3.19E-08	1.11E-08	1.74E-08	2.60E-10	2.88E-08	6.30E-09	9.62E-09	6.40E-11	1.60E-08

2109	740839.57	4107899.19	2.11E-08	3.56E-08	3.92E-10	5.71E-08	3.28E-09	5.83E-09	5.88E-11	9.16E-09	3.19E-09	5.02E-09	7.46E-11	8.28E-09	1.81E-09	2.77E-09	1.84E-11	4.60E-09
2110	740818.93	4107912.44	2.13E-08	3.59E-08	3.95E-10	5.76E-08	3.31E-09	5.88E-09	5.93E-11	9.25E-09	3.22E-09	5.06E-09	7.53E-11	8.35E-09	1.83E-09	2.79E-09	1.86E-11	4.64E-09
2111	740798.29	4107925.7	2.16E-08	3.63E-08	4.00E-10	5.82E-08	3.34E-09	5.95E-09	6.00E-11	9.35E-09	3.25E-09	5.12E-09	7.62E-11	8.44E-09	1.85E-09	2.82E-09	1.88E-11	4.69E-09
2112	740777.65	4107938.96	2.18E-08	3.67E-08	4.05E-10	5.90E-08	3.39E-09	6.02E-09	6.08E-11	9.47E-09	3.29E-09	5.18E-09	7.71E-11	8.55E-09	1.87E-09	2.86E-09	1.90E-11	4.75E-09
2113	740757.01	4107952.21	2.22E-08	3.73E-08	4.11E-10	5.99E-08	3.44E-09	6.12E-09	6.17E-11	9.62E-09	3.34E-09	5.26E-09	7.83E-11	8.69E-09	1.90E-09	2.90E-09	1.93E-11	4.82E-09
2114	740736.37	4107965.47	2.25E-08	3.79E-08	4.18E-10	6.09E-08	3.50E-09	6.22E-09	6.27E-11	9.78E-09	3.40E-09	5.35E-09	7.96E-11	8.83E-09	1.93E-09	2.95E-09	1.96E-11	4.90E-09
2115	740715.74	4107978.73	2.29E-08	3.86E-08	4.26E-10	6.20E-08	3.56E-09	6.33E-09	6.38E-11	9.95E-09	3.46E-09	5.45E-09	8.11E-11	8.99E-09	1.97E-09	3.00E-09	2.00E-11	4.99E-09
2116	740647.35	4107558.22	1.65E-08	2.78E-08	3.07E-10	4.47E-08	2.56E-09	4.56E-09	4.60E-11	7.17E-09	2.49E-09	3.93E-09	5.84E-11	6.48E-09	1.42E-09	2.17E-09	1.44E-11	3.60E-09
2117	740671.3	4107553.8	1.66E-08	2.79E-08	3.07E-10	4.47E-08	2.57E-09	4.57E-09	4.61E-11	7.18E-09	2.50E-09	3.93E-09	5.85E-11	6.49E-09	1.42E-09	2.17E-09	1.44E-11	3.60E-09
2118	740695.26	4107549.39	1.66E-08	2.79E-08	3.08E-10	4.48E-08	2.57E-09	4.58E-09	4.62E-11	7.20E-09	2.50E-09	3.94E-09	5.86E-11	6.50E-09	1.42E-09	2.17E-09	1.45E-11	3.61E-09
2119	740719.22	4107544.97	1.67E-08	2.80E-08	3.09E-10	4.50E-08	2.58E-09	4.60E-09	4.64E-11	7.23E-09	2.51E-09	3.96E-09	5.89E-11	6.53E-09	1.43E-09	2.18E-09	1.45E-11	3.62E-09
2120	740743.17	4107540.55	1.68E-08	2.82E-08	3.11E-10	4.53E-08	2.60E-09	4.62E-09	4.66E-11	7.27E-09	2.53E-09	3.98E-09	5.92E-11	6.57E-09	1.44E-09	2.19E-09	1.46E-11	3.65E-09
2121	740767.13	4107536.14	1.69E-08	2.84E-08	3.13E-10	4.56E-08	2.62E-09	4.65E-09	4.69E-11	7.32E-09	2.54E-09	4.00E-09	5.96E-11	6.61E-09	1.45E-09	2.21E-09	1.47E-11	3.67E-09
2122	740791.09	4107531.72	1.70E-08	2.86E-08	3.15E-10	4.59E-08	2.63E-09	4.69E-09	4.73E-11	7.37E-09	2.56E-09	4.03E-09	6.00E-11	6.65E-09	1.46E-09	2.22E-09	1.48E-11	3.69E-09
2123	740815.04	4107527.3	1.71E-08	2.88E-08	3.17E-10	4.62E-08	2.65E-09	4.72E-09	4.76E-11	7.42E-09	2.58E-09	4.06E-09	6.05E-11	6.70E-09	1.47E-09	2.24E-09	1.49E-11	3.72E-09
2124	740839	4107522.89	1.72E-08	2.90E-08	3.20E-10	4.65E-08	2.67E-09	4.75E-09	4.79E-11	7.47E-09	2.60E-09	4.09E-09	6.09E-11	6.75E-09	1.48E-09	2.26E-09	1.50E-11	3.75E-09
2125	740862.96	4107518.47	1.73E-08	2.92E-08	3.21E-10	4.68E-08	2.69E-09	4.78E-09	4.82E-11	7.52E-09	2.61E-09	4.11E-09	6.12E-11	6.79E-09	1.49E-09	2.27E-09	1.51E-11	3.77E-09
2126	740886.92	4107514.05	1.74E-08	2.93E-08	3.23E-10	4.71E-08	2.70E-09	4.81E-09	4.85E-11	7.56E-09	2.63E-09	4.14E-09	6.16E-11	6.83E-09	1.49E-09	2.28E-09	1.52E-11	3.79E-09
2127	740910.87	4107509.64	1.75E-08	2.94E-08	3.25E-10	4.73E-08	2.71E-09	4.83E-09	4.87E-11	7.59E-09	2.64E-09	4.15E-09	6.18E-11	6.86E-09	1.50E-09	2.29E-09	1.52E-11	3.81E-09
2128	740934.83	4107505.22	1.76E-08	2.95E-08	3.26E-10	4.74E-08	2.72E-09	4.84E-09	4.89E-11	7.62E-09	2.65E-09	4.17E-09	6.20E-11	6.88E-09	1.50E-09	2.30E-09	1.53E-11	3.82E-09
2129	740958.79	4107500.8	1.76E-08	2.96E-08	3.26E-10	4.75E-08	2.73E-09	4.86E-09	4.90E-11	7.63E-09	2.65E-09	4.18E-09	6.22E-11	6.89E-09	1.51E-09	2.30E-09	1.53E-11	3.83E-09
2130	740982.74	4107496.39	1.76E-08	2.96E-08	3.27E-10	4.76E-08	2.73E-09	4.86E-09	4.90E-11	7.64E-09	2.66E-09	4.18E-09	6.22E-11	6.90E-09	1.51E-09	2.31E-09	1.53E-11	3.83E-09
2131	741006.7	4107491.97	1.76E-08	2.97E-08	3.27E-10	4.76E-08	2.73E-09	4.86E-09	4.90E-11	7.65E-09	2.66E-09	4.18E-09	6.23E-11	6.90E-09	1.51E-09	2.31E-09	1.54E-11	3.83E-09
2132	741030.66	4107487.55	1.76E-08	2.96E-08	3.27E-10	4.76E-08	2.73E-09	4.86E-09	4.90E-11	7.64E-09	2.66E-09	4.18E-09	6.22E-11	6.90E-09	1.51E-09	2.31E-09	1.53E-11	3.83E-09
2133	741054.62	4107483.14	1.76E-08	2.96E-08	3.27E-10	4.76E-08	2.73E-09	4.86E-09	4.90E-11	7.64E-09	2.66E-09	4.18E-09	6.22E-11	6.90E-09	1.51E-09	2.31E-09	1.53E-11	3.83E-09
2134	741078.57	4107478.72	1.76E-08	2.96E-08	3.26E-10	4.75E-08	2.73E-09	4.85E-09	4.89E-11	7.63E-09	2.65E-09	4.18E-09	6.21E-11	6.89E-09	1.51E-09	2.30E-09	1.53E-11	3.83E-09
2135	741102.53	4107474.3	1.76E-08	2.96E-08	3.26E-10	4.75E-08	2.73E-09	4.85E-09	4.89E-11	7.62E-09	2.65E-09	4.17E-09	6.21E-11	6.89E-09	1.51E-09	2.30E-09	1.53E-11	3.82E-09
2136	741126.49	4107469.89	1.76E-08	2.96E-08	3.26E-10	4.75E-08	2.73E-09	4.85E-09	4.89E-11	7.62E-09	2.65E-09	4.17E-09	6.21E-11	6.89E-09	1.51E-09	2.30E-09	1.53E-11	3.82E-09
2137	741150.44	4107465.47	1.76E-08	2.96E-08	3.26E-10	4.75E-08	2.73E-09	4.85E-09	4.89E-11	7.63E-09	2.65E-09	4.17E-09	6.21E-11	6.89E-09	1.51E-09	2.30E-09	1.53E-11	3.82E-09
2138	741174.4	4107461.05	1.76E-08	2.96E-08	3.27E-10	4.76E-08	2.73E-09	4.86E-09	4.90E-11	7.64E-09	2.66E-09	4.18E-09	6.22E-11	6.90E-09	1.51E-09	2.31E-09	1.53E-11	3.83E-09
2139	741198.36	4107456.64	1.77E-08	2.97E-08	3.28E-10	4.77E-08	2.74E-09	4.87E-09	4.91E-11	7.66E-09	2.66E-09	4.19E-09	6.24E-11	6.92E-09	1.51E-09	2.31E-09	1.54E-11	3.84E-09
2140	741222.31	4107452.22	1.77E-08	2.98E-08	3.29E-10	4.79E-08	2.75E-09	4.89E-09	4.93E-11	7.69E-09	2.67E-09	4.21E-09	6.27E-11	6.95E-09	1.52E-09	2.32E-09	1.55E-11	3.86E-09
2141	741246.27	4107447.8	1.78E-08	3.00E-08	3.31E-10	4.82E-08	2.77E-09	4.92E-09	4.96E-11	7.74E-09	2.69E-09	4.23E-09	6.30E-11	6.99E-09	1.53E-09	2.34E-09	1.55E-11	3.88E-09
2142	741270.23	4107443.39	1.80E-08	3.02E-08	3.33E-10	4.85E-08	2.79E-09	4.96E-09	5.00E-11	7.79E-09	2.71E-09	4.26E-09	6.35E-11	7.04E-09	1.54E-09	2.35E-09	1.56E-11	3.91E-09
2143	741294.19	4107438.97	1.81E-08	3.05E-08	3.36E-10	4.89E-08	2.81E-09	5.00E-09	5.04E-11	7.85E-09	2.73E-09	4.30E-09	6.40E-11	7.09E-09	1.55E-09	2.37E-09	1.58E-11	3.94E-09
2144	741318.14	4107434.55	1.83E-08	3.08E-08	3.39E-10	4.94E-08	2.83E-09	5.04E-09	5.08E-11	7.93E-09	2.76E-09	4.34E-09	6.46E-11	7.16E-09	1.57E-09	2.39E-09	1.59E-11	3.97E-09
2145	741342.1	4107430.14	1.85E-08	3.11E-08	3.42E-10	4.98E-08	2.86E-09	5.09E-09	5.13E-11	8.00E-09	2.78E-09	4.38E-09	6.52E-11	7.23E-09	1.58E-09	2.42E-09	1.61E-11	4.01E-09
2146	741366.06	4107425.72	1.86E-08	3.14E-08	3.46E-10	5.03E-08	2.89E-09	5.14E-09	5.19E-11	8.08E-09	2.81E-09	4.42E-09	6.58E-11	7.30E-09	1.60E-09	2.44E-09	1.62E-11	4.05E-09
2147	741390.01	4107421.3	1.88E-08	3.17E-08	3.49E-10	5.09E-08	2.92E-09	5.20E-09	5.24E-11	8.17E-09	2.84E-09	4.47E-09	6.65E-11	7.38E-09	1.61E-09	2.47E-09	1.64E-11	4.10E-09
2148	741413.97	4107416.89	1.90E-08	3.20E-08	3.53E-10	5.14E-08	2.95E-09	5.25E-09	5.29E-11	8.25E-09	2.87E-09	4.51E-09	6.72E-11	7.45E-09	1.63E-09	2.49E-09	1.66E-11	4.14E-09
2149	741437.93	4107412.47	1.92E-08	3.23E-08	3.56E-10	5.18E-08	2.98E-09	5.30E-09	5.34E-11	8.32E-09	2.89E-09	4.56E-09	6.78E-11	7.52E-09	1.64E-09	2.51E-09	1.67E-11	4.17E-09
2150	741461.88	4107408.05	1.94E-08	3.26E-08	3.59E-10	5.23E-08	3.00E-09	5.34E-09	5.38E-11	8.39E-09	2.92E-09	4.59E-09	6.84E-11	7.58E-09	1.66E-09	2.53E-09	1.69E-11	4.21E-09
2151	741485.84	4107403.64	1.95E-08	3.28E-08	3.62E-10	5.27E-08	3.02E-09	5.38E-09	5.43E-11	8.46E-09	2.94E-09	4.63E-09	6.89E-11	7.64E-09	1.67E-09	2.55E-09	1.70E-11	4.24E-09
2152	741509.8	4107399.22	1.96E-08	3.30E-08	3.64E-10	5.30E-08	3.04E-09	5.42E-09	5.46E-11	8.51E-09	2.96E-09	4.66E-09	6.93E-11	7.69E-09	1.68E-09	2.57E-09	1.71E-11	4.27E-09
2153	741533.76	4107394.8	1.97E-08	3.32E-08	3.66E-10	5.33E-08	3.06E-09	5.44E-09	5.49E-11	8.56E-09	2.98E-09	4.68E-09	6.97E-11	7.73E-09	1.69E-09	2.58E-09	1.72E-11	4.29E-09
2154	741557.71	4107390.39	1.98E-08	3.33E-08	3.68E-10	5.35E-08	3.07E-09	5.47E-09	5.51E-11	8.59E-09	2.99E-09	4.70E-09	7.00E-11	7.76E-09	1.70E-09	2.59E-09	1.73E-11	4.31E-09
2155	741581.67	4107385.97	1.99E-08	3.34E-08	3.69E-10	5.37E-08	3.08E-09	5.48E-09	5.53E-11	8.62E-09	3.00E-09	4.72E-09	7.02E-11	7.79E-09	1.70E-09	2.60E-09	1.73E-11	4.32E-09
2156	741605.63	4107381.55	1.99E-08	3.35E-08	3.69E-10	5.38E-08	3.09E-09	5.49E-09	5.54E-11	8.64E-09	3.00E-09	4.73E-09	7.04E-11	7.80E-09	1.71E-09	2.61E-09	1.74E-11	4.33E-09
2157	741629.58	4107377.14	1.99E-08	3.36E-08	3.70E-10	5.39E-08	3.09E-09	5.50E-09	5.55E-11	8.65E-09	3.01E-09	4.73E-09	7.04E-11	7.81E-09	1.71E-09	2.61E-09	1.74E-11	4.34E-09
2158	741653.54	4107372.72	2.00E-08	3.36E-08	3.70E-10	5.39E-08	3.10E-09	5.51E-09	5.56E-11	8.66E-09	3.01E-09	4.74E-09	7.05E-11	7.82E-09	1.71E-09	2.61E-09	1.74E-11	4.34E-09
2159	741677.5	4107368.3	2.00E-08	3.36E-08	3.71E-10	5.40E-08	3.10E-09	5.51E-09	5.56E-11	8.67E-09	3.01E-09	4.74E-09	7.06E-11	7.83E-09	1.71E-09	2.62E-09	1.74E-11	4.35E-09
2160	741701.46	4107363.89	2.00E-08	3.37E-08	3.71E-10	5.40E-08	3.10E-09	5.52E-09	5.56E-11	8.68E-09	3.02E-09	4.75E-09	7.07E-11	7.83E-09	1.71E-09	2.62E-09	1.74E-11	4.35E-09
2161	741725.41	4107359.47	2.00E-08	3.37E-08	3.71E-10	5.41E-08	3.11E-09	5.52E-09	5.57E-11	8.69E-09	3.02E-09	4.75E-09	7.07E-11	7.84E-09	1.72E-09	2.62E-09	1.74E-11	4.36E-09
2162	741749.37	4107355.05	2.01E-08	3.38E-08	3.72E-10	5.42E-08	3.11E-09	5.53E-09	5.58E-11	8.70E-09	3.02E-09	4.76E-09	7.09E-11	7.86E-09	1.72E-09	2.63E-09	1.75E-11	4.36E-09
2163	741773.33	4107350.64	2.01E-08	3.38E-08	3.73E-10	5.43E-08	3.12E-09	5.55E-09	5.60E-11	8.72E-09	3.03E-09	4.77E-09	7.10E-11	7.88E-09	1.72E-09	2.63E-09	1.75E-11	4.37E-09
2164	741797.28	4107346.22	2.02E-08	3.40E-08	3.74E-10	5.45E-08	3.13E-09	5.57E-09	5.61E-11	8.75E-09	3.04E-09	4.79E-09	7.13E-11	7.90E-09	1.73E-09	2.64E-09	1.76E-11	4.39E-09
2165	741821.24	4107341.8	2.03E-08	3.41E-08	3.76E-10	5.47E-08	3.14E-09	5.59E-09	5.64E-11	8.79E-09	3.06E-09	4.81E-09	7.16E-11	7.94E-09	1.74E-09	2.65E-09	1.77E-11	4.41E-09
2166	741845.2	4107337.39	2.04E-08	3.43E-08	3.78E-10	5.50E-08	3.16E-09	5.62E-09	5.67E-11	8.84E-09	3.07E-09	4.84E-09	7.20E-11	7.98E-09	1.75E-09	2.67E-09	1.77E-11	4.43E-09
2167	741869.15	4107332.97	2.05E-08	3.45E-08	3.80E-10	5.53E-08	3.18E-09	5.65E-09	5.70E-11	8.89E-09	3.09E-09	4.86E-09	7.24E-11	8.03E-09	1.76E-09	2.68E-09	1.78E-11	4.46E-09
2168	741893.11	4107328.55	2.06E-08	3.47E-08	3.83E-10	5.57E-08	3.20E-09	5.69E-09	5.74E-11	8.95E-09	3.11E-09	4.90E-09	7.29E-11	8.08E-09	1.77E-09	2.70E-09	1.80E-11	4.49E-09
2169	741917.07	4107324.14	2.08E-08	3.49E-08	3.85E-10	5.61E-08	3.22E-09	5.73E-09	5.78E-11	9.01E-09	3.13E-09	4.93E-09	7.34E-11	8.13E-09	1.78E-09	2.72E-09	1.81E-11	4.52E-09
2170	741941.03	4107319.72	2.09E-08	3.52E-08	3.88E-10	5.65E-08	3.24E-09	5.77E-09	5.82E-11	9.07E-09	3.15E-09	4.96E-09	7.39E-11	8.19E-09	1.79E-09	2.74E-09	1.82E-11	4.55E-09
2171	741964.98	4107315.3	2.10E-08	3.54E-08	3.90E-10	5.68E-08	3.26E-09	5.81E-09	5.85E-11	9.13E-09	3.17E-09	5.00E-09	7.43E-11	8.24E-09	1.80E-09	2.76E-09	1.83E-11	4.58E-09
2172	741988.94	4107310.89	2.12E-08	3.56E-08	3.93E-10	5.72E-08	3.28E-09	5.84E-09	5.89E-11	9.19E-09	3.19E-09	5.03E-09	7.48E-11	8.30E-09	1.81E-09	2.77E-09	1.85E-11	4.61E-09
2173	742012.9	4107306.47	2.13E-08	3.58E-08	3.95E-10	5.75E-08	3.30E-09	5.87E-09	5.92E-11	9.23E-09	3.21E-09	5.05E-09	7.52E-11	8.34E-09	1.82E-09	2.79E-09	1.85E-11	4.63E-09
2174	742036.85	4107302.05	2.14E-08	3.60E-08	3.97E-10	5.78E-08	3.32E-09	5.90E-09	5.95E-11	9.28E-09	3.23E-09	5.08E-09	7.56E-11	8.38E-09	1.83E-09	2.80E-09	1.86E-11	4.65E-09
2175	742060.81	4107297.64	2.15E-08	3.61E-08	3.98E-10	5.80E-08	3.33E-09	5.92E-09	5.97E-11	9.31E-09	3.24E-09	5.09E-09	7.58E-11	8.41E-09	1.84E-09	2.81E-09	1.87E-11	4.67E-09
2176	742084.77	4107293.22	2.15E-08	3.62E-08	3.99E-10	5.81E-08	3.33E-09	5.93E-09	5.98E-11	9.32E-09	3.24E-09	5.10E-09	7.59E-11	8.42E-09	1.84E-09	2.81E-09	1.87E-11	4.67E-09
2177	742108.72	4107288.8	2.15E-08	3.62E-08	3.99E-10	5.81E-08	3.33E-09	5.93E-09	5.98E-11	9.33E-09	3.24E-09	5.10E-09	7.59E-11	8.42E-09	1.84E-09	2.82E-09	1.87E-11	4.68E-09
2178	742132.68	4107284.39	2.15E-08	3.61E-08	3.98E-10	5.80E-08	3.33E-09	5.92E-09	5.97E-11	9.31E-09	3.24E-09	5.10E-09	7.58E-11	8.41E-09	1.84E-09	2.81E-09	1.87E-11	4.67E-09
2179	742156.64	4107279.97	2.14E-08	3.60E-08	3.97E-10	5.78E-08	3.32E-09	5.91E-09	5.96E-11	9.29E-09	3.23E-09	5.08E-09	7.56E-11	8.39E-09	1.83E-09	2.80E-09	1.87E-11	4.66E-09
2180	742180.6	4107275.55	2.13E-08	3.59E-08	3.96E-10	5.76E-08	3.31E-09	5.89E-09	5.93E-11	9.25E-09	3.22E-09	5.06E-09	7.53E-11	8.36E-09	1.83E-09	2.79E-09	1.86E-11	4.64E-09
2181	742204.55	4107271.14	2.12E-08	3.57E-08	3.94E-10	5.73E-08	3.29E-09	5.86E-09	5.91E-11	9.21E-09	3.20E-09	5.04E-09	7.50E-11	8.32E-09	1.82E-09	2.78E-09	1.85E-11	4.62E-09
2182	742228.51	4107266.72	2.11E-08	3.55E-08	3.91E-10	5.70E-08	3.27E-09	5.82E-09	5.87E-11	9.15E-09	3.18E-09	5.01E-09	7.45E-11	8.27E-09	1.81E-09	2.76E-09	1.84E-11	4.59E-09
2183	742252.47	4107262.3	2.10E-08	3.53E-08	3.89E-10	5.67E-08	3.25E-09	5.79E-09	5.84E-11	9.10E-09	3.16E-09	4.98E-09	7.41E-11	8.22E-09	1.80E-09	2.75E-09	1.83E-11	4.56E-09
2184	742276.42	4107257.89	2.08E-08	3.51E-08	3.86E-10	5.63E-08	3.23E-09	5.75E-09	5.80E-11	9.04E-09	3.14E-09	4.95E-09	7.36E-11	8.16E-09	1.79E-09	2.73E-09	1.81E-11	4.53E-09
2185	742300.38	4107253.47	2.07E-08	3.48E-08	3.84E-10	5.59E-08	3.21E-09	5.71E-09	5.76E-11	8.98E-09	3.12E-09	4.92E-09	7.31E-11	8.11E-09	1.77E-09	2.71E-09	1.80E-11	4.50E-09
2186	742324.34	4107249.05	2.06E-08	3.47E-08	3.82E-10	5.56E-08	3.19E-09	5.68E-09	5.73E-11	8.93E-09	3.11E-09	4.89E-09	7.28E-11	8.07E-09	1.76E-09	2.70E-09	1.79E-11	4.48E-09
2187	742348.3	4107244.64	2.05E-08	3.45E-08	3.80E-10	5.54E-08	3.18E-09	5.66E-09	5.71E-11	8.89E-09	3.09E-09	4.87E-09	7.24E-11	8.03E-09	1.76E-09	2.68E-09	1.79E-11	4.46E-09
2188	742372.25	4107240.22	2.04E-08	3.44E-08	3.79E-10	5.52E-08	3.17E-09	5.64E-09	5.69E-11	8.87E-09	3.08E-09	4.85E-09	7.22E-11	8.01E-09	1.75E-09	2.68E-09	1.78E-11	4.45E-09
2189	742396.21	4107235.8	2.04E-08	3.44E-08	3.79E-10	5.52E-08	3.17E-09	5.63E-09	5.68E-11	8.86E-09	3.08E-09	4.85E-09	7.21E-11	8.00E-09	1.75E-09	2.67E-09	1.78E-11	4.44E-09
2190	742420.17	4107231.39	2.04E-08	3.44E-08	3.79E-10	5.52E-08	3.17E-09	5.64E-09	5.69E-11	8.86E-09	3.08E-09	4.85E-09	7.22E-11	8.01E-09	1.75E-09	2.68E-09	1.78E-11	4.45E-09
2191	742444.12	4107226.97	2.05E-08	3.45E-08	3.80E-10	5.54E-08	3.18E-09	5.66E-09	5.70E-11	8.89E-09	3.09E-09	4.87E-09	7.24E-11	8.03E-09	1.76E-09	2.68E-09	1.79E-11	4.46E-09
2192	742468.08	4107222.55	2.06E-08	3.47E-08	3.82E-10	5.56E-08	3.19E-09	5.68E-09	5.73E-11	8.93E-09	3.11E-09	4.89E-09	7.28E-11	8.07E-09	1.76E-09	2.70E-09	1.79E-11	4.48E-09
2193	742492.04	4107218.14	2.07E-08	3.49E-08	3.85E-10	5.61E-08	3.22E-09	5.72E-09	5.77E-11	9.00E-09	3.13E-09	4.93E-09	7.33E-11	8.13E-09	1.78E-09	2.72E-09	1.81E-11	4.51E-09
2194	742515.99	4107213.72	2.09E-08	3.52E-08	3.88E-10	5.66E-08	3.25E-09	5.78E-09	5.82E-11	9.08E-09	3.16E-09	4.97E-09	7.40E-11	8.20E-09	1.79E-09	2.74E-09	1.82E-11	4.55E-09
2195	742539.95	4107209.3	2.12E-08	3.56E-08	3.93E-10	5.72E-08	3.28E-09	5.84E-09	5.89E-11	9.18E-09	3.19E-09	5.02E-09	7.48E-11	8.29E-09	1.81E-09	2.77E-09	1.84E-11	4.60E-09
2196	742563.91	4107204.89	2.14E-08	3.61E-08	3.98E-10	5.79E-08	3.32E-09	5.91E-09	5.96E-11	9.30E-09	3.23E-09	5.09E-09	7.57E-11	8.40E-09	1.84E-09	2.81E-09	1.87E-11	4.66E-09

2197	742587.87	4107200.47	2.17E-08	3.66E-08	4.03E-10	5.87E-08	3.37E-09	5.99E-09	6.04E-11	9.42E-09	3.28E-09	5.16E-09	7.67E-11	8.51E-09	1.86E-09	2.84E-09	1.89E-11	4.73E-09
2198	742611.82	4107196.05	2.20E-08	3.71E-08	4.09E-10	5.95E-08	3.42E-09	6.08E-09	6.13E-11	9.56E-09	3.32E-09	5.23E-09	7.78E-11	8.63E-09	1.89E-09	2.89E-09	1.92E-11	4.79E-09
2199	742655.95	4107205.29	2.29E-08	3.86E-08	4.26E-10	6.20E-08	3.56E-09	6.33E-09	6.38E-11	9.95E-09	3.46E-09	5.45E-09	8.11E-11	8.99E-09	1.97E-09	3.00E-09	2.00E-11	4.99E-09
2200	742676.13	4107218.95	2.35E-08	3.96E-08	4.36E-10	6.36E-08	3.65E-09	6.49E-09	6.55E-11	1.02E-08	3.55E-09	5.59E-09	8.31E-11	9.22E-09	2.02E-09	3.08E-09	2.05E-11	5.12E-09
2201	742696.3	4107232.6	2.41E-08	4.06E-08	4.47E-10	6.51E-08	3.74E-09	6.65E-09	6.71E-11	1.05E-08	3.63E-09	5.72E-09	8.51E-11	9.44E-09	2.06E-09	3.16E-09	2.10E-11	5.24E-09
2202	742716.48	4107246.26	2.47E-08	4.15E-08	4.57E-10	6.66E-08	3.82E-09	6.80E-09	6.86E-11	1.07E-08	3.72E-09	5.85E-09	8.71E-11	9.66E-09	2.11E-09	3.23E-09	2.15E-11	5.36E-09
2203	742736.65	4107259.91	2.52E-08	4.24E-08	4.67E-10	6.81E-08	3.91E-09	6.95E-09	7.01E-11	1.09E-08	3.80E-09	5.98E-09	8.90E-11	9.87E-09	2.16E-09	3.30E-09	2.19E-11	5.48E-09
2204	742756.83	4107273.56	2.57E-08	4.32E-08	4.77E-10	6.94E-08	3.98E-09	7.09E-09	7.15E-11	1.11E-08	3.87E-09	6.10E-09	9.08E-11	1.01E-08	2.20E-09	3.36E-09	2.24E-11	5.59E-09
2205	742777	4107287.22	2.61E-08	4.40E-08	4.85E-10	7.06E-08	4.05E-09	7.21E-09	7.27E-11	1.13E-08	3.94E-09	6.20E-09	9.23E-11	1.02E-08	2.24E-09	3.42E-09	2.28E-11	5.68E-09
2206	742797.17	4107300.87	2.65E-08	4.46E-08	4.92E-10	7.17E-08	4.11E-09	7.32E-09	7.38E-11	1.15E-08	4.00E-09	6.30E-09	9.37E-11	1.04E-08	2.27E-09	3.47E-09	2.31E-11	5.77E-09
2207	742817.35	4107314.53	2.69E-08	4.52E-08	4.98E-10	7.26E-08	4.17E-09	7.41E-09	7.47E-11	1.17E-08	4.05E-09	6.38E-09	9.49E-11	1.05E-08	2.30E-09	3.52E-09	2.34E-11	5.84E-09
2208	742837.52	4107328.18	2.71E-08	4.56E-08	5.03E-10	7.33E-08	4.21E-09	7.48E-09	7.55E-11	1.18E-08	4.09E-09	6.44E-09	9.58E-11	1.06E-08	2.32E-09	3.55E-09	2.36E-11	5.90E-09
2209	742857.7	4107341.84	2.73E-08	4.60E-08	5.06E-10	7.38E-08	4.23E-09	7.53E-09	7.60E-11	1.18E-08	4.12E-09	6.48E-09	9.65E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.94E-09
2210	742877.87	4107355.49	2.74E-08	4.61E-08	5.08E-10	7.40E-08	4.25E-09	7.56E-09	7.63E-11	1.19E-08	4.13E-09	6.51E-09	9.68E-11	1.07E-08	2.35E-09	3.59E-09	2.39E-11	5.96E-09
2211	742898.05	4107369.15	2.74E-08	4.62E-08	5.09E-10	7.42E-08	4.26E-09	7.57E-09	7.64E-11	1.19E-08	4.14E-09	6.52E-09	9.70E-11	1.08E-08	2.35E-09	3.59E-09	2.39E-11	5.97E-09
2212	742918.22	4107382.8	2.74E-08	4.62E-08	5.09E-10	7.41E-08	4.25E-09	7.57E-09	7.63E-11	1.19E-08	4.14E-09	6.51E-09	9.69E-11	1.07E-08	2.35E-09	3.59E-09	2.39E-11	5.96E-09
2213	742938.39	4107396.45	2.73E-08	4.60E-08	5.07E-10	7.39E-08	4.24E-09	7.55E-09	7.61E-11	1.19E-08	4.12E-09	6.49E-09	9.66E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.95E-09
2214	742958.57	4107410.11	2.72E-08	4.58E-08	5.05E-10	7.36E-08	4.22E-09	7.52E-09	7.58E-11	1.18E-08	4.11E-09	6.47E-09	9.62E-11	1.07E-08	2.33E-09	3.57E-09	2.37E-11	5.92E-09
2215	742978.74	4107423.76	2.71E-08	4.56E-08	5.03E-10	7.32E-08	4.20E-09	7.48E-09	7.54E-11	1.18E-08	4.09E-09	6.43E-09	9.57E-11	1.06E-08	2.32E-09	3.55E-09	2.36E-11	5.90E-09
2216	742998.92	4107437.42	2.70E-08	4.54E-08	5.00E-10	7.29E-08	4.18E-09	7.44E-09	7.50E-11	1.17E-08	4.07E-09	6.40E-09	9.53E-11	1.06E-08	2.31E-09	3.53E-09	2.35E-11	5.87E-09
2217	743019.09	4107451.07	2.68E-08	4.52E-08	4.98E-10	7.25E-08	4.16E-09	7.41E-09	7.47E-11	1.16E-08	4.05E-09	6.37E-09	9.48E-11	1.05E-08	2.30E-09	3.52E-09	2.34E-11	5.84E-09
2218	743039.27	4107464.73	2.68E-08	4.50E-08	4.96E-10	7.23E-08	4.15E-09	7.38E-09	7.44E-11	1.16E-08	4.03E-09	6.35E-09	9.45E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.82E-09
2219	743059.44	4107478.38	2.67E-08	4.50E-08	4.96E-10	7.22E-08	4.14E-09	7.37E-09	7.43E-11	1.16E-08	4.03E-09	6.34E-09	9.44E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
2220	743079.61	4107492.04	2.67E-08	4.50E-08	4.96E-10	7.22E-08	4.14E-09	7.37E-09	7.44E-11	1.16E-08	4.03E-09	6.34E-09	9.44E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
2221	743099.79	4107505.69	2.68E-08	4.51E-08	4.97E-10	7.24E-08	4.16E-09	7.40E-09	7.46E-11	1.16E-08	4.04E-09	6.36E-09	9.47E-11	1.05E-08	2.30E-09	3.51E-09	2.34E-11	5.83E-09
2222	743119.96	4107519.34	2.70E-08	4.54E-08	5.00E-10	7.28E-08	4.18E-09	7.44E-09	7.50E-11	1.17E-08	4.07E-09	6.40E-09	9.52E-11	1.06E-08	2.31E-09	3.53E-09	2.35E-11	5.86E-09
2223	743140.14	4107533	2.72E-08	4.57E-08	5.04E-10	7.34E-08	4.22E-09	7.50E-09	7.56E-11	1.18E-08	4.10E-09	6.45E-09	9.60E-11	1.06E-08	2.33E-09	3.56E-09	2.37E-11	5.91E-09
2224	743160.31	4107546.65	2.75E-08	4.62E-08	5.09E-10	7.42E-08	4.26E-09	7.58E-09	7.64E-11	1.19E-08	4.14E-09	6.52E-09	9.70E-11	1.08E-08	2.35E-09	3.60E-09	2.39E-11	5.97E-09
2225	743180.49	4107560.31	2.78E-08	4.68E-08	5.16E-10	7.51E-08	4.31E-09	7.67E-09	7.73E-11	1.21E-08	4.19E-09	6.60E-09	9.82E-11	1.09E-08	2.38E-09	3.64E-09	2.42E-11	6.05E-09
2226	743200.66	4107573.96	2.82E-08	4.74E-08	5.23E-10	7.61E-08	4.37E-09	7.77E-09	7.84E-11	1.22E-08	4.25E-09	6.69E-09	9.95E-11	1.10E-08	2.41E-09	3.69E-09	2.45E-11	6.13E-09
2227	743220.83	4107587.62	2.86E-08	4.81E-08	5.30E-10	7.72E-08	4.43E-09	7.89E-09	7.95E-11	1.24E-08	4.31E-09	6.79E-09	1.01E-10	1.12E-08	2.45E-09	3.74E-09	2.49E-11	6.22E-09
2228	743241.01	4107601.27	2.90E-08	4.88E-08	5.38E-10	7.84E-08	4.50E-09	8.01E-09	8.08E-11	1.26E-08	4.38E-09	6.89E-09	1.03E-10	1.14E-08	2.49E-09	3.80E-09	2.53E-11	6.31E-09
2229	743261.18	4107614.93	2.95E-08	4.96E-08	5.47E-10	7.96E-08	4.57E-09	8.13E-09	8.20E-11	1.28E-08	4.45E-09	7.00E-09	1.04E-10	1.15E-08	2.53E-09	3.86E-09	2.57E-11	6.41E-09
2230	743281.36	4107628.58	2.99E-08	5.04E-08	5.55E-10	8.09E-08	4.64E-09	8.26E-09	8.33E-11	1.30E-08	4.52E-09	7.11E-09	1.06E-10	1.17E-08	2.57E-09	3.92E-09	2.61E-11	6.51E-09
2231	743301.53	4107642.23	3.04E-08	5.12E-08	5.64E-10	8.22E-08	4.72E-09	8.40E-09	8.47E-11	1.32E-08	4.59E-09	7.22E-09	1.07E-10	1.19E-08	2.61E-09	3.98E-09	2.65E-11	6.62E-09
2232	743321.71	4107655.89	3.09E-08	5.20E-08	5.73E-10	8.35E-08	4.79E-09	8.53E-09	8.60E-11	1.34E-08	4.66E-09	7.34E-09	1.09E-10	1.21E-08	2.65E-09	4.05E-09	2.69E-11	6.72E-09
2233	743341.88	4107669.54	3.14E-08	5.29E-08	5.83E-10	8.48E-08	4.87E-09	8.66E-09	8.74E-11	1.36E-08	4.74E-09	7.46E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.74E-11	6.83E-09
2234	743362.05	4107683.2	3.19E-08	5.37E-08	5.92E-10	8.62E-08	4.95E-09	8.81E-09	8.88E-11	1.38E-08	4.81E-09	7.58E-09	1.13E-10	1.25E-08	2.74E-09	4.18E-09	2.78E-11	6.94E-09
2235	743382.23	4107696.85	3.25E-08	5.47E-08	6.03E-10	8.77E-08	5.04E-09	8.96E-09	9.04E-11	1.41E-08	4.90E-09	7.71E-09	1.15E-10	1.27E-08	2.78E-09	4.25E-09	2.83E-11	7.07E-09
2236	743402.4	4107710.51	3.31E-08	5.57E-08	6.13E-10	8.93E-08	5.13E-09	9.12E-09	9.20E-11	1.43E-08	4.99E-09	7.85E-09	1.17E-10	1.30E-08	2.83E-09	4.33E-09	2.88E-11	7.19E-09
2237	743422.58	4107724.16	3.37E-08	5.67E-08	6.25E-10	9.10E-08	5.22E-09	9.29E-09	9.37E-11	1.46E-08	5.08E-09	8.00E-09	1.19E-10	1.32E-08	2.89E-09	4.41E-09	2.93E-11	7.33E-09
2238	743442.75	4107737.82	3.43E-08	5.78E-08	6.37E-10	9.27E-08	5.32E-09	9.47E-09	9.55E-11	1.49E-08	5.18E-09	8.15E-09	1.21E-10	1.34E-08	2.94E-09	4.49E-09	2.99E-11	7.47E-09
2239	743462.93	4107751.47	3.50E-08	5.89E-08	6.49E-10	9.46E-08	5.43E-09	9.66E-09	9.74E-11	1.52E-08	5.28E-09	8.31E-09	1.24E-10	1.37E-08	3.00E-09	4.58E-09	3.05E-11	7.61E-09
2240	743483.1	4107765.13	3.57E-08	6.01E-08	6.63E-10	9.65E-08	5.54E-09	9.86E-09	9.94E-11	1.55E-08	5.39E-09	8.48E-09	1.26E-10	1.40E-08	3.06E-09	4.68E-09	3.11E-11	7.77E-09
2241	743503.27	4107778.78	3.65E-08	6.14E-08	6.77E-10	9.85E-08	5.66E-09	1.01E-08	1.02E-10	1.58E-08	5.50E-09	8.66E-09	1.29E-10	1.43E-08	3.13E-09	4.78E-09	3.18E-11	7.93E-09
2242	743523.45	4107792.43	3.73E-08	6.27E-08	6.91E-10	1.01E-07	5.78E-09	1.03E-08	1.04E-10	1.62E-08	5.62E-09	8.85E-09	1.32E-10	1.46E-08	3.19E-09	4.88E-09	3.25E-11	8.11E-09
2243	743543.62	4107806.09	3.80E-08	6.40E-08	7.06E-10	1.03E-07	5.90E-09	1.05E-08	1.06E-10	1.65E-08	5.74E-09	9.03E-09	1.34E-10	1.49E-08	3.26E-09	4.98E-09	3.31E-11	8.28E-09
2244	743563.8	4107819.74	3.88E-08	6.54E-08	7.20E-10	1.05E-07	6.02E-09	1.07E-08	1.08E-10	1.68E-08	5.86E-09	9.22E-09	1.37E-10	1.52E-08	3.33E-09	5.09E-09	3.38E-11	8.45E-09
2245	743583.97	4107833.4	3.96E-08	6.67E-08	7.35E-10	1.07E-07	6.15E-09	1.09E-08	1.10E-10	1.72E-08	5.98E-09	9.41E-09	1.40E-10	1.55E-08	3.40E-09	5.19E-09	3.45E-11	8.62E-09
2246	743604.15	4107847.05	4.05E-08	6.81E-08	7.51E-10	1.09E-07	6.27E-09	1.12E-08	1.13E-10	1.76E-08	6.10E-09	9.61E-09	1.43E-10	1.59E-08	3.47E-09	5.30E-09	3.53E-11	8.80E-09
2247	743624.32	4107860.71	4.13E-08	6.95E-08	7.66E-10	1.12E-07	6.40E-09	1.14E-08	1.15E-10	1.79E-08	6.22E-09	9.80E-09	1.46E-10	1.62E-08	3.54E-09	5.41E-09	3.60E-11	8.98E-09
2248	743644.49	4107874.36	4.21E-08	7.09E-08	7.81E-10	1.14E-07	6.53E-09	1.16E-08	1.17E-10	1.83E-08	6.35E-09	1.00E-08	1.49E-10	1.65E-08	3.61E-09	5.51E-09	3.67E-11	9.16E-09
2249	743664.67	4107888.02	4.29E-08	7.23E-08	7.96E-10	1.16E-07	6.66E-09	1.18E-08	1.19E-10	1.86E-08	6.47E-09	1.02E-08	1.52E-10	1.68E-08	3.68E-09	5.62E-09	3.74E-11	9.34E-09
2250	743684.84	4107901.67	4.38E-08	7.37E-08	8.12E-10	1.18E-07	6.79E-09	1.21E-08	1.22E-10	1.90E-08	6.60E-09	1.04E-08	1.55E-10	1.71E-08	3.75E-09	5.73E-09	3.81E-11	9.52E-09
2251	743705.02	4107915.32	4.46E-08	7.51E-08	8.28E-10	1.21E-07	6.92E-09	1.23E-08	1.24E-10	1.94E-08	6.73E-09	1.06E-08	1.58E-10	1.75E-08	3.82E-09	5.84E-09	3.89E-11	9.71E-09
2252	743725.19	4107928.98	4.55E-08	7.65E-08	8.43E-10	1.23E-07	7.05E-09	1.25E-08	1.27E-10	1.97E-08	6.86E-09	1.08E-08	1.61E-10	1.78E-08	3.90E-09	5.95E-09	3.96E-11	9.89E-09
2253	743745.37	4107942.63	4.63E-08	7.80E-08	8.59E-10	1.25E-07	7.18E-09	1.28E-08	1.29E-10	2.01E-08	6.99E-09	1.10E-08	1.64E-10	1.81E-08	3.97E-09	6.07E-09	4.04E-11	1.01E-08
2254	743765.54	4107956.29	4.72E-08	7.94E-08	8.75E-10	1.27E-07	7.31E-09	1.30E-08	1.31E-10	2.05E-08	7.11E-09	1.12E-08	1.67E-10	1.85E-08	4.04E-09	6.18E-09	4.11E-11	1.03E-08
2255	743785.71	4107969.94	4.80E-08	8.07E-08	8.90E-10	1.30E-07	7.44E-09	1.32E-08	1.33E-10	2.08E-08	7.23E-09	1.14E-08	1.69E-10	1.88E-08	4.11E-09	6.28E-09	4.18E-11	1.04E-08
2256	743805.89	4107983.6	4.88E-08	8.21E-08	9.05E-10	1.32E-07	7.56E-09	1.35E-08	1.36E-10	2.12E-08	7.36E-09	1.16E-08	1.72E-10	1.91E-08	4.18E-09	6.39E-09	4.25E-11	1.06E-08
2257	743826.06	4107997.25	4.95E-08	8.34E-08	9.19E-10	1.34E-07	7.68E-09	1.37E-08	1.38E-10	2.15E-08	7.47E-09	1.18E-08	1.75E-10	1.94E-08	4.24E-09	6.49E-09	4.32E-11	1.08E-08
2258	743846.24	4108010.91	5.02E-08	8.45E-08	9.31E-10	1.36E-07	7.79E-09	1.39E-08	1.40E-10	2.18E-08	7.57E-09	1.19E-08	1.77E-10	1.97E-08	4.30E-09	6.58E-09	4.38E-11	1.09E-08
2259	743866.41	4108024.56	5.08E-08	8.56E-08	9.43E-10	1.37E-07	7.89E-09	1.40E-08	1.41E-10	2.21E-08	7.67E-09	1.21E-08	1.80E-10	1.99E-08	4.36E-09	6.66E-09	4.43E-11	1.11E-08
2260	743886.59	4108038.21	5.14E-08	8.65E-08	9.53E-10	1.39E-07	7.97E-09	1.42E-08	1.43E-10	2.23E-08	7.75E-09	1.22E-08	1.82E-10	2.01E-08	4.40E-09	6.73E-09	4.48E-11	1.12E-08
2261	743906.76	4108051.87	5.19E-08	8.73E-08	9.62E-10	1.40E-07	8.04E-09	1.43E-08	1.44E-10	2.25E-08	7.82E-09	1.23E-08	1.83E-10	2.03E-08	4.45E-09	6.79E-09	4.52E-11	1.13E-08
2262	743926.93	4108065.52	5.23E-08	8.79E-08	9.69E-10	1.41E-07	8.10E-09	1.44E-08	1.45E-10	2.27E-08	7.88E-09	1.24E-08	1.85E-10	2.05E-08	4.48E-09	6.84E-09	4.55E-11	1.14E-08
2263	743947.11	4108079.18	5.25E-08	8.84E-08	9.75E-10	1.42E-07	8.15E-09	1.45E-08	1.46E-10	2.28E-08	7.92E-09	1.25E-08	1.86E-10	2.06E-08	4.50E-09	6.88E-09	4.58E-11	1.14E-08
2264	743967.28	4108092.83	5.28E-08	8.88E-08	9.78E-10	1.43E-07	8.18E-09	1.46E-08	1.47E-10	2.29E-08	7.95E-09	1.25E-08	1.86E-10	2.07E-08	4.52E-09	6.91E-09	4.60E-11	1.15E-08
2265	743987.46	4108106.49	5.29E-08	8.90E-08	9.81E-10	1.43E-07	8.21E-09	1.46E-08	1.47E-10	2.30E-08	7.98E-09	1.26E-08	1.87E-10	2.07E-08	4.53E-09	6.93E-09	4.61E-11	1.15E-08
2266	744007.63	4108120.14	5.30E-08	8.92E-08	9.84E-10	1.43E-07	8.22E-09	1.46E-08	1.48E-10	2.30E-08	8.00E-09	1.26E-08	1.87E-10	2.08E-08	4.54E-09	6.94E-09	4.62E-11	1.15E-08
2267	744027.81	4108133.8	5.31E-08	8.94E-08	9.86E-10	1.44E-07	8.24E-09	1.47E-08	1.48E-10	2.31E-08	8.01E-09	1.26E-08	1.88E-10	2.08E-08	4.55E-09	6.96E-09	4.63E-11	1.16E-08
2268	744047.98	4108147.45	5.33E-08	8.97E-08	9.88E-10	1.44E-07	8.26E-09	1.47E-08	1.48E-10	2.31E-08	8.04E-09	1.27E-08	1.88E-10	2.09E-08	4.57E-09	6.98E-09	4.64E-11	1.16E-08
2269	744068.15	4108161.1	5.35E-08	9.00E-08	9.92E-10	1.44E-07	8.29E-09	1.47E-08	1.49E-10	2.32E-08	8.06E-09	1.27E-08	1.89E-10	2.09E-08	4.58E-09	7.00E-09	4.66E-11	1.16E-08
2270	744088.33	4108174.76	5.37E-08	9.03E-08	9.96E-10	1.45E-07	8.33E-09	1.48E-08	1.49E-10	2.33E-08	8.10E-09	1.27E-08	1.90E-10	2.10E-08	4.60E-09	7.03E-09	4.68E-11	1.17E-08
2271	744108.5	4108188.41	5.40E-08	9.08E-08	1.00E-09	1.46E-07	8.37E-09	1.49E-08	1.50E-10	2.34E-08	8.14E-09	1.28E-08	1.91E-10	2.11E-08	4.63E-09	7.07E-09	4.70E-11	1.17E-08
2272	744128.68	4108202.07	5.44E-08	9.15E-08	1.01E-09	1.47E-07	8.43E-09	1.50E-08	1.51E-10	2.36E-08	8.20E-09	1.29E-08	1.92E-10	2.13E-08	4.66E-09	7.12E-09	4.74E-11	1.18E-08
2273	744148.85	4108215.72	5.48E-08	9.22E-08	1.02E-09	1.48E-07	8.50E-09	1.51E-08	1.52E-10	2.38E-08	8.26E-09	1.30E-08	1.94E-10	2.15E-08	4.70E-09	7.18E-09	4.77E-11	1.19E-08
2274	744169.03	4108229.38	5.53E-08	9.31E-08	1.03E-09	1.49E-07	8.57E-09	1.53E-08	1.54E-10	2.40E-08	8.34E-09	1.31E-08	1.95E-10	2.17E-08	4.74E-09	7.24E-09	4.82E-11	1.20E-08
2275	744189.2	4108243.03	5.58E-08	9.40E-08	1.04E-09	1.51E-07	8.66E-09	1.54E-08	1.55E-10	2.42E-08	8.42E-09	1.33E-08	1.97E-10	2.19E-08	4.78E-09	7.31E-09	4.86E-11	1.21E-08
2276	744209.37	4108256.69	5.64E-08	9.49E-08	1.05E-09	1.52E-07	8.75E-09	1.56E-08	1.57E-10	2.45E-08	8.50E-09	1.34E-08	1.99E-10	2.21E-08	4.83E-09	7.38E-09	4.91E-11	1.23E-08
2277	744229.55	4108270.34	5.70E-08	9.58E-08	1.06E-09	1.54E-07	8.83E-09	1.57E-08	1.58E-10	2.47E-08	8.59E-09	1.35E-08	2.01E-10	2.23E-08	4.88E-09	7.46E-09	4.96E-11	1.24E-08
2278	744249.72	4108283.99	5.75E-08	9.67E-08	1.07E-09	1.55E-07	8.91E-09	1.59E-08	1.60E-10	2.49E-08	8.67E-09	1.36E-08	2.03E-10	2.25E-08	4.93E-09	7.53E-09	5.01E-11	1.25E-08
2279	744269.9	4108297.65	5.80E-08	9.75E-08	1.08E-09	1.57E-07	8.99E-09	1.60E-08	1.61E-10	2.51E-08	8.74E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.59E-09	5.05E-11	1.26E-08
2280	744290.07	4108311.3	5.84E-08	9.82E-08	1.08E-09	1.58E-07	9.05E-09	1.61E-08	1.62E-10	2.53E-08	8.80E-09	1.39E-08	2.06E-10	2.29E-08	5.00E-09	7.64E-09	5.08E-11	1.27E-08
2281	744310.25	4108324.96	5.87E-08	9.88E-08	1.09E-09	1.59E-07	9.10E-09	1.62E-08	1.63E-10	2.55E-08	8.85E-09	1.39E-08	2.07E-10	2.30E-08	5.03E-09	7.69E-09	5.11E-11	1.28E-08
2282	740623.39	4107562.64	1.66E-08	2.79E-08	3.07E-10	4.47E-08	2.57E-09	4.57E-09	4.61E-11	7.19E-09	2.50E-09	3.93E-09	5.85E-11	6.49E-09	1.42E-09	2.17E-09	1.44E-11	3.60E-09
2283	740602.75	4107575.89	1.67E-08	2.81E-08	3.10E-10	4.52E-08	2.59E-09	4.61E-09	4.65E-11	7.25E-09	2.52E-09	3.97E-09	5.91E-11	6.55E-09	1.43E-09	2.19E-09	1.46E-11	3.64E-09
2284	740582.11	4107589.15	1.69E-08	2.85E-08	3.14E-10	4.57E-08	2.62E-09	4.67E-09	4.71E-11	7.34E-09	2.55E-09	4.01E-09	5.97E-11	6.62E-09	1.45E-09	2.21E-09	1.47E-11	3.68E-09

2285	740561.47	4107602.41	1.71E-08	2.88E-08	3.18E-10	4.63E-08	2.66E-09	4.73E-09	4.77E-11	7.43E-09	2.58E-09	4.07E-09	6.05E-11	6.71E-09	1.47E-09	2.24E-09	1.49E-11	3.73E-09
2286	740540.84	4107615.66	1.74E-08	2.93E-08	3.23E-10	4.70E-08	2.70E-09	4.80E-09	4.84E-11	7.55E-09	2.62E-09	4.13E-09	6.15E-11	6.82E-09	1.49E-09	2.28E-09	1.52E-11	3.79E-09
2287	740520.2	4107628.92	1.77E-08	2.98E-08	3.28E-10	4.78E-08	2.74E-09	4.88E-09	4.92E-11	7.67E-09	2.67E-09	4.20E-09	6.25E-11	6.93E-09	1.52E-09	2.32E-09	1.54E-11	3.85E-09
2288	740499.56	4107642.18	1.80E-08	3.03E-08	3.34E-10	4.86E-08	2.79E-09	4.97E-09	5.01E-11	7.81E-09	2.72E-09	4.27E-09	6.36E-11	7.05E-09	1.54E-09	2.36E-09	1.57E-11	3.92E-09
2289	740431.28	4107221.65	1.34E-08	2.25E-08	2.48E-10	3.62E-08	2.08E-09	3.69E-09	3.73E-11	5.81E-09	2.02E-09	3.18E-09	4.73E-11	5.25E-09	1.15E-09	1.75E-09	1.17E-11	2.91E-09
2290	740455.35	4107217.21	1.34E-08	2.25E-08	2.48E-10	3.62E-08	2.08E-09	3.69E-09	3.72E-11	5.81E-09	2.02E-09	3.18E-09	4.73E-11	5.24E-09	1.15E-09	1.75E-09	1.17E-11	2.91E-09
2291	740479.41	4107212.77	1.34E-08	2.26E-08	2.49E-10	3.62E-08	2.08E-09	3.70E-09	3.73E-11	5.81E-09	2.02E-09	3.18E-09	4.73E-11	5.25E-09	1.15E-09	1.75E-09	1.17E-11	2.91E-09
2292	740503.48	4107208.34	1.34E-08	2.26E-08	2.49E-10	3.63E-08	2.08E-09	3.71E-09	3.74E-11	5.83E-09	2.03E-09	3.19E-09	4.75E-11	5.27E-09	1.15E-09	1.76E-09	1.17E-11	2.92E-09
2293	740527.55	4107203.9	1.35E-08	2.27E-08	2.51E-10	3.65E-08	2.10E-09	3.73E-09	3.76E-11	5.86E-09	2.04E-09	3.21E-09	4.77E-11	5.29E-09	1.16E-09	1.77E-09	1.18E-11	2.94E-09
2294	740551.62	4107199.46	1.36E-08	2.29E-08	2.52E-10	3.67E-08	2.11E-09	3.75E-09	3.78E-11	5.90E-09	2.05E-09	3.23E-09	4.80E-11	5.33E-09	1.16E-09	1.78E-09	1.18E-11	2.96E-09
2295	740575.69	4107195.02	1.37E-08	2.30E-08	2.54E-10	3.70E-08	2.12E-09	3.78E-09	3.81E-11	5.94E-09	2.07E-09	3.25E-09	4.84E-11	5.36E-09	1.17E-09	1.79E-09	1.19E-11	2.98E-09
2296	740599.75	4107190.59	1.38E-08	2.32E-08	2.56E-10	3.73E-08	2.14E-09	3.81E-09	3.84E-11	5.99E-09	2.08E-09	3.28E-09	4.88E-11	5.41E-09	1.18E-09	1.81E-09	1.20E-11	3.00E-09
2297	740623.82	4107186.15	1.39E-08	2.34E-08	2.58E-10	3.76E-08	2.16E-09	3.84E-09	3.87E-11	6.04E-09	2.10E-09	3.31E-09	4.92E-11	5.45E-09	1.19E-09	1.82E-09	1.21E-11	3.03E-09
2298	740647.89	4107181.71	1.40E-08	2.36E-08	2.60E-10	3.79E-08	2.18E-09	3.87E-09	3.90E-11	6.09E-09	2.12E-09	3.33E-09	4.96E-11	5.50E-09	1.20E-09	1.84E-09	1.22E-11	3.05E-09
2299	740671.96	4107177.28	1.42E-08	2.38E-08	2.62E-10	3.82E-08	2.19E-09	3.90E-09	3.94E-11	6.14E-09	2.13E-09	3.36E-09	5.00E-11	5.54E-09	1.21E-09	1.85E-09	1.23E-11	3.08E-09
2300	740696.03	4107172.84	1.43E-08	2.40E-08	2.64E-10	3.85E-08	2.21E-09	3.93E-09	3.96E-11	6.18E-09	2.15E-09	3.38E-09	5.03E-11	5.58E-09	1.22E-09	1.87E-09	1.24E-11	3.10E-09
2301	740720.09	4107168.4	1.43E-08	2.41E-08	2.66E-10	3.87E-08	2.22E-09	3.95E-09	3.99E-11	6.22E-09	2.16E-09	3.40E-09	5.06E-11	5.62E-09	1.23E-09	1.88E-09	1.25E-11	3.12E-09
2302	740744.16	4107163.96	1.44E-08	2.43E-08	2.67E-10	3.89E-08	2.23E-09	3.98E-09	4.01E-11	6.25E-09	2.17E-09	3.42E-09	5.09E-11	5.65E-09	1.23E-09	1.89E-09	1.26E-11	3.13E-09
2303	740768.23	4107159.53	1.45E-08	2.44E-08	2.68E-10	3.91E-08	2.24E-09	3.99E-09	4.03E-11	6.28E-09	2.18E-09	3.44E-09	5.11E-11	5.67E-09	1.24E-09	1.89E-09	1.26E-11	3.15E-09
2304	740792.3	4107155.09	1.45E-08	2.44E-08	2.69E-10	3.92E-08	2.25E-09	4.00E-09	4.04E-11	6.29E-09	2.19E-09	3.45E-09	5.13E-11	5.68E-09	1.24E-09	1.90E-09	1.26E-11	3.16E-09
2305	740816.37	4107150.65	1.45E-08	2.44E-08	2.69E-10	3.92E-08	2.25E-09	4.01E-09	4.04E-11	6.30E-09	2.19E-09	3.45E-09	5.13E-11	5.69E-09	1.24E-09	1.90E-09	1.27E-11	3.16E-09
2306	740840.43	4107146.22	1.45E-08	2.44E-08	2.69E-10	3.92E-08	2.25E-09	4.01E-09	4.04E-11	6.30E-09	2.19E-09	3.45E-09	5.13E-11	5.69E-09	1.24E-09	1.90E-09	1.27E-11	3.16E-09
2307	740864.5	4107141.78	1.45E-08	2.44E-08	2.69E-10	3.92E-08	2.25E-09	4.00E-09	4.04E-11	6.29E-09	2.19E-09	3.45E-09	5.13E-11	5.68E-09	1.24E-09	1.90E-09	1.26E-11	3.16E-09
2308	740888.57	4107137.34	1.45E-08	2.44E-08	2.69E-10	3.91E-08	2.25E-09	4.00E-09	4.03E-11	6.28E-09	2.18E-09	3.44E-09	5.12E-11	5.67E-09	1.24E-09	1.90E-09	1.26E-11	3.15E-09
2309	740912.64	4107132.91	1.45E-08	2.43E-08	2.68E-10	3.90E-08	2.24E-09	3.99E-09	4.02E-11	6.27E-09	2.18E-09	3.43E-09	5.11E-11	5.66E-09	1.24E-09	1.89E-09	1.26E-11	3.14E-09
2310	740936.71	4107128.47	1.44E-08	2.43E-08	2.67E-10	3.89E-08	2.23E-09	3.98E-09	4.01E-11	6.25E-09	2.17E-09	3.42E-09	5.09E-11	5.65E-09	1.23E-09	1.89E-09	1.26E-11	3.13E-09
2311	740960.77	4107124.03	1.44E-08	2.42E-08	2.67E-10	3.88E-08	2.23E-09	3.96E-09	4.00E-11	6.23E-09	2.17E-09	3.41E-09	5.08E-11	5.63E-09	1.23E-09	1.88E-09	1.25E-11	3.13E-09
2312	740984.84	4107119.59	1.43E-08	2.41E-08	2.66E-10	3.87E-08	2.22E-09	3.95E-09	3.99E-11	6.22E-09	2.16E-09	3.40E-09	5.06E-11	5.62E-09	1.23E-09	1.88E-09	1.25E-11	3.12E-09
2313	741008.91	4107115.16	1.43E-08	2.41E-08	2.65E-10	3.87E-08	2.22E-09	3.95E-09	3.98E-11	6.21E-09	2.16E-09	3.40E-09	5.05E-11	5.61E-09	1.23E-09	1.87E-09	1.25E-11	3.11E-09
2314	741032.98	4107110.72	1.43E-08	2.41E-08	2.65E-10	3.86E-08	2.22E-09	3.95E-09	3.98E-11	6.20E-09	2.16E-09	3.40E-09	5.05E-11	5.60E-09	1.23E-09	1.87E-09	1.25E-11	3.11E-09
2315	741057.04	4107106.28	1.43E-08	2.41E-08	2.65E-10	3.87E-08	2.22E-09	3.95E-09	3.98E-11	6.21E-09	2.16E-09	3.40E-09	5.05E-11	5.61E-09	1.23E-09	1.87E-09	1.25E-11	3.11E-09
2316	741081.11	4107101.85	1.43E-08	2.41E-08	2.66E-10	3.87E-08	2.22E-09	3.95E-09	3.99E-11	6.22E-09	2.16E-09	3.40E-09	5.06E-11	5.62E-09	1.23E-09	1.88E-09	1.25E-11	3.12E-09
2317	741105.18	4107097.41	1.44E-08	2.42E-08	2.67E-10	3.89E-08	2.23E-09	3.97E-09	4.00E-11	6.24E-09	2.17E-09	3.42E-09	5.08E-11	5.64E-09	1.23E-09	1.88E-09	1.25E-11	3.13E-09
2318	741129.25	4107092.97	1.45E-08	2.43E-08	2.68E-10	3.90E-08	2.24E-09	3.99E-09	4.02E-11	6.27E-09	2.18E-09	3.43E-09	5.11E-11	5.66E-09	1.24E-09	1.89E-09	1.26E-11	3.14E-09
2319	741153.32	4107088.53	1.45E-08	2.45E-08	2.70E-10	3.93E-08	2.26E-09	4.01E-09	4.05E-11	6.31E-09	2.19E-09	3.45E-09	5.14E-11	5.70E-09	1.25E-09	1.90E-09	1.27E-11	3.16E-09
2320	741177.38	4107084.1	1.47E-08	2.47E-08	2.72E-10	3.96E-08	2.27E-09	4.04E-09	4.08E-11	6.36E-09	2.21E-09	3.48E-09	5.18E-11	5.74E-09	1.26E-09	1.92E-09	1.28E-11	3.19E-09
2321	741201.45	4107079.66	1.48E-08	2.49E-08	2.74E-10	3.99E-08	2.29E-09	4.08E-09	4.11E-11	6.41E-09	2.23E-09	3.51E-09	5.22E-11	5.79E-09	1.27E-09	1.94E-09	1.29E-11	3.21E-09
2322	741225.52	4107075.22	1.49E-08	2.51E-08	2.77E-10	4.03E-08	2.32E-09	4.12E-09	4.15E-11	6.48E-09	2.25E-09	3.55E-09	5.28E-11	5.85E-09	1.28E-09	1.96E-09	1.30E-11	3.25E-09
2323	741249.59	4107070.79	1.51E-08	2.54E-08	2.80E-10	4.07E-08	2.34E-09	4.16E-09	4.20E-11	6.54E-09	2.27E-09	3.58E-09	5.33E-11	5.91E-09	1.29E-09	1.98E-09	1.31E-11	3.28E-09
2324	741273.66	4107066.35	1.53E-08	2.57E-08	2.83E-10	4.12E-08	2.37E-09	4.21E-09	4.24E-11	6.62E-09	2.30E-09	3.62E-09	5.39E-11	5.97E-09	1.31E-09	2.00E-09	1.33E-11	3.32E-09
2325	741297.72	4107061.91	1.54E-08	2.60E-08	2.86E-10	4.17E-08	2.39E-09	4.25E-09	4.29E-11	6.69E-09	2.33E-09	3.66E-09	5.45E-11	6.04E-09	1.32E-09	2.02E-09	1.34E-11	3.35E-09
2326	741321.79	4107057.47	1.56E-08	2.62E-08	2.89E-10	4.21E-08	2.42E-09	4.30E-09	4.34E-11	6.76E-09	2.35E-09	3.70E-09	5.51E-11	6.11E-09	1.34E-09	2.04E-09	1.36E-11	3.39E-09
2327	741345.86	4107053.04	1.57E-08	2.65E-08	2.92E-10	4.25E-08	2.44E-09	4.35E-09	4.38E-11	6.83E-09	2.37E-09	3.74E-09	5.56E-11	6.17E-09	1.35E-09	2.06E-09	1.37E-11	3.43E-09
2328	741369.93	4107048.6	1.59E-08	2.68E-08	2.95E-10	4.30E-08	2.47E-09	4.39E-09	4.42E-11	6.90E-09	2.40E-09	3.77E-09	5.62E-11	6.23E-09	1.36E-09	2.08E-09	1.39E-11	3.46E-09
2329	741394	4107044.16	1.60E-08	2.70E-08	2.97E-10	4.33E-08	2.49E-09	4.42E-09	4.46E-11	6.96E-09	2.42E-09	3.81E-09	5.66E-11	6.28E-09	1.37E-09	2.10E-09	1.40E-11	3.49E-09
2330	741418.06	4107039.73	1.62E-08	2.72E-08	3.00E-10	4.37E-08	2.51E-09	4.46E-09	4.50E-11	7.01E-09	2.44E-09	3.84E-09	5.71E-11	6.33E-09	1.38E-09	2.12E-09	1.41E-11	3.52E-09
2331	741442.13	4107035.29	1.63E-08	2.74E-08	3.01E-10	4.39E-08	2.52E-09	4.48E-09	4.52E-11	7.05E-09	2.45E-09	3.86E-09	5.74E-11	6.37E-09	1.39E-09	2.13E-09	1.42E-11	3.54E-09
2332	741466.2	4107030.85	1.63E-08	2.75E-08	3.03E-10	4.41E-08	2.53E-09	4.51E-09	4.55E-11	7.09E-09	2.46E-09	3.88E-09	5.77E-11	6.40E-09	1.40E-09	2.14E-09	1.42E-11	3.55E-09
2333	741490.27	4107026.41	1.64E-08	2.76E-08	3.04E-10	4.43E-08	2.54E-09	4.52E-09	4.56E-11	7.11E-09	2.47E-09	3.89E-09	5.79E-11	6.42E-09	1.40E-09	2.15E-09	1.43E-11	3.56E-09
2334	741514.34	4107021.98	1.64E-08	2.77E-08	3.05E-10	4.44E-08	2.55E-09	4.53E-09	4.57E-11	7.13E-09	2.48E-09	3.90E-09	5.80E-11	6.44E-09	1.41E-09	2.15E-09	1.43E-11	3.57E-09
2335	741538.4	4107017.54	1.65E-08	2.77E-08	3.05E-10	4.45E-08	2.55E-09	4.54E-09	4.58E-11	7.14E-09	2.48E-09	3.91E-09	5.81E-11	6.45E-09	1.41E-09	2.15E-09	1.43E-11	3.58E-09
2336	741562.47	4107013.1	1.65E-08	2.77E-08	3.05E-10	4.45E-08	2.55E-09	4.54E-09	4.58E-11	7.14E-09	2.48E-09	3.91E-09	5.81E-11	6.45E-09	1.41E-09	2.15E-09	1.43E-11	3.58E-09
2337	741586.54	4107008.67	1.65E-08	2.77E-08	3.05E-10	4.45E-08	2.55E-09	4.54E-09	4.58E-11	7.14E-09	2.48E-09	3.91E-09	5.81E-11	6.45E-09	1.41E-09	2.15E-09	1.43E-11	3.58E-09
2338	741610.61	4107004.23	1.64E-08	2.77E-08	3.05E-10	4.44E-08	2.55E-09	4.54E-09	4.57E-11	7.13E-09	2.48E-09	3.90E-09	5.81E-11	6.44E-09	1.41E-09	2.15E-09	1.43E-11	3.58E-09
2339	741634.68	4106999.79	1.64E-08	2.77E-08	3.05E-10	4.44E-08	2.55E-09	4.53E-09	4.57E-11	7.13E-09	2.48E-09	3.90E-09	5.80E-11	6.44E-09	1.41E-09	2.15E-09	1.43E-11	3.57E-09
2340	741658.74	4106995.36	1.64E-08	2.76E-08	3.04E-10	4.43E-08	2.55E-09	4.53E-09	4.57E-11	7.12E-09	2.48E-09	3.90E-09	5.80E-11	6.43E-09	1.41E-09	2.15E-09	1.43E-11	3.57E-09
2341	741682.81	4106990.92	1.64E-08	2.76E-08	3.04E-10	4.43E-08	2.54E-09	4.53E-09	4.56E-11	7.12E-09	2.47E-09	3.89E-09	5.80E-11	6.43E-09	1.41E-09	2.15E-09	1.43E-11	3.57E-09
2342	741706.88	4106986.48	1.64E-08	2.76E-08	3.04E-10	4.43E-08	2.54E-09	4.53E-09	4.56E-11	7.12E-09	2.47E-09	3.89E-09	5.80E-11	6.43E-09	1.41E-09	2.15E-09	1.43E-11	3.57E-09
2343	741730.95	4106982.04	1.64E-08	2.76E-08	3.05E-10	4.44E-08	2.55E-09	4.53E-09	4.57E-11	7.12E-09	2.48E-09	3.90E-09	5.80E-11	6.43E-09	1.41E-09	2.15E-09	1.43E-11	3.57E-09
2344	741755.02	4106977.61	1.65E-08	2.77E-08	3.05E-10	4.45E-08	2.55E-09	4.54E-09	4.58E-11	7.14E-09	2.48E-09	3.91E-09	5.81E-11	6.45E-09	1.41E-09	2.15E-09	1.43E-11	3.58E-09
2345	741779.08	4106973.17	1.65E-08	2.78E-08	3.06E-10	4.46E-08	2.56E-09	4.55E-09	4.59E-11	7.16E-09	2.49E-09	3.92E-09	5.83E-11	6.47E-09	1.41E-09	2.16E-09	1.44E-11	3.59E-09
2346	741803.15	4106968.73	1.66E-08	2.79E-08	3.07E-10	4.47E-08	2.57E-09	4.57E-09	4.61E-11	7.19E-09	2.50E-09	3.93E-09	5.85E-11	6.49E-09	1.42E-09	2.17E-09	1.44E-11	3.60E-09
2347	741827.22	4106964.3	1.66E-08	2.80E-08	3.09E-10	4.50E-08	2.58E-09	4.59E-09	4.63E-11	7.22E-09	2.51E-09	3.95E-09	5.88E-11	6.52E-09	1.43E-09	2.18E-09	1.45E-11	3.62E-09
2348	741851.29	4106959.86	1.67E-08	2.82E-08	3.11E-10	4.52E-08	2.60E-09	4.62E-09	4.66E-11	7.26E-09	2.52E-09	3.97E-09	5.91E-11	6.56E-09	1.43E-09	2.19E-09	1.46E-11	3.64E-09
2349	741875.36	4106955.42	1.68E-08	2.83E-08	3.12E-10	4.55E-08	2.61E-09	4.65E-09	4.69E-11	7.31E-09	2.54E-09	4.00E-09	5.95E-11	6.60E-09	1.44E-09	2.21E-09	1.47E-11	3.66E-09
2350	741899.42	4106950.98	1.70E-08	2.85E-08	3.15E-10	4.58E-08	2.63E-09	4.68E-09	4.72E-11	7.36E-09	2.56E-09	4.03E-09	5.99E-11	6.64E-09	1.45E-09	2.22E-09	1.48E-11	3.69E-09
2351	741923.49	4106946.55	1.71E-08	2.88E-08	3.17E-10	4.62E-08	2.65E-09	4.71E-09	4.75E-11	7.41E-09	2.58E-09	4.06E-09	6.04E-11	6.69E-09	1.46E-09	2.24E-09	1.49E-11	3.72E-09
2352	741947.56	4106942.11	1.72E-08	2.90E-08	3.19E-10	4.65E-08	2.67E-09	4.75E-09	4.79E-11	7.46E-09	2.59E-09	4.08E-09	6.08E-11	6.74E-09	1.47E-09	2.25E-09	1.50E-11	3.74E-09
2353	741971.63	4106937.67	1.73E-08	2.92E-08	3.21E-10	4.68E-08	2.69E-09	4.78E-09	4.82E-11	7.51E-09	2.61E-09	4.11E-09	6.12E-11	6.79E-09	1.48E-09	2.27E-09	1.51E-11	3.77E-09
2354	741995.7	4106933.24	1.74E-08	2.94E-08	3.24E-10	4.71E-08	2.70E-09	4.81E-09	4.85E-11	7.57E-09	2.63E-09	4.14E-09	6.16E-11	6.83E-09	1.49E-09	2.28E-09	1.52E-11	3.79E-09
2355	742019.76	4106928.8	1.75E-08	2.95E-08	3.25E-10	4.74E-08	2.72E-09	4.84E-09	4.88E-11	7.61E-09	2.64E-09	4.16E-09	6.19E-11	6.87E-09	1.50E-09	2.30E-09	1.53E-11	3.81E-09
2356	742043.83	4106924.36	1.76E-08	2.96E-08	3.27E-10	4.76E-08	2.73E-09	4.86E-09	4.90E-11	7.64E-09	2.66E-09	4.18E-09	6.22E-11	6.90E-09	1.51E-09	2.31E-09	1.53E-11	3.83E-09
2357	742067.9	4106919.92	1.77E-08	2.97E-08	3.28E-10	4.78E-08	2.74E-09	4.88E-09	4.92E-11	7.67E-09	2.67E-09	4.20E-09	6.24E-11	6.92E-09	1.51E-09	2.31E-09	1.54E-11	3.84E-09
2358	742091.97	4106915.49	1.77E-08	2.98E-08	3.29E-10	4.78E-08	2.75E-09	4.89E-09	4.93E-11	7.68E-09	2.67E-09	4.20E-09	6.26E-11	6.94E-09	1.52E-09	2.32E-09	1.54E-11	3.85E-09
2359	742116.03	4106911.05	1.77E-08	2.98E-08	3.29E-10	4.79E-08	2.75E-09	4.89E-09	4.93E-11	7.69E-09	2.67E-09	4.21E-09	6.26E-11	6.94E-09	1.52E-09	2.32E-09	1.54E-11	3.85E-09
2360	742140.1	4106906.61	1.77E-08	2.98E-08	3.29E-10	4.78E-08	2.75E-09	4.89E-09	4.93E-11	7.68E-09	2.67E-09	4.20E-09	6.26E-11	6.94E-09	1.52E-09	2.32E-09	1.54E-11	3.85E-09
2361	742164.17	4106902.18	1.77E-08	2.97E-08	3.28E-10	4.77E-08	2.74E-09	4.87E-09	4.92E-11	7.66E-09	2.66E-09	4.19E-09	6.24E-11	6.92E-09	1.51E-09	2.31E-09	1.54E-11	3.84E-09
2362	742188.24	4106897.74	1.76E-08	2.96E-08	3.27E-10	4.76E-08	2.73E-09	4.86E-09	4.90E-11	7.64E-09	2.66E-09	4.18E-09	6.22E-11	6.90E-09	1.51E-09	2.31E-09	1.53E-11	3.83E-09
2363	742212.31	4106893.3	1.75E-08	2.95E-08	3.25E-10	4.74E-08	2.72E-09	4.84E-09	4.88E-11	7.61E-09	2.64E-09	4.16E-09	6.19E-11	6.87E-09	1.50E-09	2.30E-09	1.53E-11	3.81E-09
2364	742236.37	4106888.87	1.74E-08	2.93E-08	3.23E-10	4.71E-08	2.70E-09	4.81E-09	4.85E-11	7.56E-09	2.63E-09	4.14E-09	6.16E-11	6.83E-09	1.49E-09	2.28E-09	1.52E-11	3.79E-09
2365	742260.44	4106884.43	1.73E-08	2.92E-08	3.21E-10	4.68E-08	2.69E-09	4.78E-09	4.82E-11	7.51E-09	2.61E-09	4.11E-09	6.12E-11	6.79E-09	1.48E-09	2.27E-09	1.51E-11	3.77E-09
2366	742284.51	4106879.99	1.72E-08	2.90E-08	3.19E-10	4.65E-08	2.67E-09	4.75E-09	4.79E-11	7.47E-09	2.60E-09	4.09E-09	6.08E-11	6.74E-09	1.48E-09	2.25E-09	1.50E-11	3.74E-09
2367	742308.58	4106875.55	1.71E-08	2.88E-08	3.17E-10	4.62E-08	2.65E-09	4.72E-09	4.76E-11	7.42E-09	2.58E-09	4.06E-09	6.04E-11	6.70E-09	1.46E-09	2.24E-09	1.49E-11	3.72E-09
2368	742332.65	4106871.12	1.70E-08	2.86E-08	3.15E-10	4.59E-08	2.63E-09	4.68E-09	4.72E-11	7.36E-09	2.56E-09	4.03E-09	6.00E-11	6.65E-09	1.45E-09	2.22E-09	1.48E-11	3.69E-09
2369	742356.71	4106866.68	1.69E-08	2.84E-08	3.13E-10	4.56E-08	2.62E-09	4.66E-09	4.70E-11	7.32E-09	2.55E-09	4.01E-09	5.96E-11	6.61E-09	1.45E-09	2.21E-09	1.47E-11	3.67E-09
2370	742380.78	4106862.24	1.68E-08	2.82E-08	3.11E-10	4.53E-08	2.60E-09	4.63E-09	4.67E-11	7.28E-09	2.53E-09	3.98E-09	5.93E-11	6.57E-09	1.44E-09	2.20E-09	1.46E-11	3.65E-09
2371	742404.85	4106857.81	1.67E-08	2.81E-08	3.10E-10	4.51E-08	2.59E-09	4.61E-09	4.65E-11	7.25E-09	2.52E-09	3.97E-09	5.90E-11	6.55E-09	1.43E-09	2.19E-09	1.46E-11	3.63E-09
2372	742428.92	4106853.37	1.67E-08	2.80E-08	3.09E-10	4.50E-08	2.58E-09	4.60E-09	4.63E-11	7.23E-09	2.51E-09	3.95E-09	5.88E-11	6.53E-09	1.43E-09	2.18E-09	1.45E-11	3.62E-09

2373	742452.99	4106848.93	1.66E-08	2.80E-08	3.08E-10	4.49E-08	2.58E-09	4.59E-09	4.63E-11	7.21E-09	2.51E-09	3.95E-09	5.87E-11	6.51E-09	1.42E-09	2.18E-09	1.45E-11	3.62E-09
2374	742477.05	4106844.49	1.66E-08	2.80E-08	3.08E-10	4.49E-08	2.58E-09	4.59E-09	4.63E-11	7.21E-09	2.51E-09	3.95E-09	5.87E-11	6.51E-09	1.42E-09	2.18E-09	1.45E-11	3.62E-09
2375	742501.12	4106840.06	1.67E-08	2.80E-08	3.09E-10	4.50E-08	2.58E-09	4.60E-09	4.63E-11	7.23E-09	2.51E-09	3.95E-09	5.88E-11	6.53E-09	1.43E-09	2.18E-09	1.45E-11	3.62E-09
2376	742525.19	4106835.62	1.67E-08	2.81E-08	3.10E-10	4.52E-08	2.59E-09	4.61E-09	4.65E-11	7.25E-09	2.52E-09	3.97E-09	5.91E-11	6.55E-09	1.43E-09	2.19E-09	1.46E-11	3.64E-09
2377	742549.26	4106831.18	1.68E-08	2.83E-08	3.12E-10	4.55E-08	2.61E-09	4.64E-09	4.68E-11	7.30E-09	2.54E-09	3.99E-09	5.94E-11	6.59E-09	1.44E-09	2.20E-09	1.47E-11	3.66E-09
2378	742573.33	4106826.75	1.70E-08	2.85E-08	3.15E-10	4.58E-08	2.63E-09	4.68E-09	4.72E-11	7.36E-09	2.56E-09	4.03E-09	5.99E-11	6.64E-09	1.45E-09	2.22E-09	1.48E-11	3.69E-09
2379	742597.39	4106822.31	1.71E-08	2.88E-08	3.18E-10	4.63E-08	2.66E-09	4.72E-09	4.76E-11	7.43E-09	2.58E-09	4.06E-09	6.05E-11	6.71E-09	1.47E-09	2.24E-09	1.49E-11	3.72E-09
2380	742621.46	4106817.87	1.73E-08	2.91E-08	3.21E-10	4.68E-08	2.68E-09	4.77E-09	4.82E-11	7.51E-09	2.61E-09	4.11E-09	6.11E-11	6.78E-09	1.48E-09	2.27E-09	1.51E-11	3.76E-09
2381	742645.53	4106813.43	1.75E-08	2.95E-08	3.25E-10	4.73E-08	2.72E-09	4.84E-09	4.88E-11	7.60E-09	2.64E-09	4.16E-09	6.19E-11	6.87E-09	1.50E-09	2.29E-09	1.53E-11	3.81E-09
2382	742669.6	4106809	1.78E-08	2.99E-08	3.30E-10	4.80E-08	2.76E-09	4.90E-09	4.94E-11	7.71E-09	2.68E-09	4.22E-09	6.28E-11	6.96E-09	1.52E-09	2.33E-09	1.55E-11	3.86E-09
2383	742693.67	4106804.56	1.80E-08	3.03E-08	3.34E-10	4.87E-08	2.79E-09	4.97E-09	5.01E-11	7.82E-09	2.72E-09	4.28E-09	6.37E-11	7.06E-09	1.54E-09	2.36E-09	1.57E-11	3.92E-09
2384	742738	4106813.84	1.87E-08	3.15E-08	3.47E-10	5.06E-08	2.90E-09	5.16E-09	5.21E-11	8.12E-09	2.82E-09	4.44E-09	6.61E-11	7.33E-09	1.60E-09	2.45E-09	1.63E-11	4.07E-09
2385	742758.27	4106827.56	1.92E-08	3.23E-08	3.56E-10	5.18E-08	2.97E-09	5.29E-09	5.33E-11	8.31E-09	2.89E-09	4.55E-09	6.77E-11	7.51E-09	1.64E-09	2.51E-09	1.67E-11	4.17E-09
2386	742778.54	4106841.28	1.96E-08	3.30E-08	3.64E-10	5.30E-08	3.04E-09	5.41E-09	5.46E-11	8.51E-09	2.96E-09	4.66E-09	6.93E-11	7.69E-09	1.68E-09	2.57E-09	1.71E-11	4.27E-09
2387	742798.8	4106854.99	2.01E-08	3.38E-08	3.72E-10	5.42E-08	3.11E-09	5.54E-09	5.58E-11	8.70E-09	3.03E-09	4.76E-09	7.09E-11	7.86E-09	1.72E-09	2.63E-09	1.75E-11	4.36E-09
2388	742819.07	4106868.71	2.05E-08	3.45E-08	3.80E-10	5.54E-08	3.18E-09	5.66E-09	5.71E-11	8.89E-09	3.09E-09	4.87E-09	7.24E-11	8.03E-09	1.76E-09	2.68E-09	1.79E-11	4.46E-09
2389	742839.34	4106882.43	2.09E-08	3.52E-08	3.88E-10	5.65E-08	3.24E-09	5.77E-09	5.82E-11	9.07E-09	3.15E-09	4.96E-09	7.39E-11	8.19E-09	1.79E-09	2.74E-09	1.82E-11	4.55E-09
2390	742859.61	4106896.15	2.13E-08	3.58E-08	3.95E-10	5.75E-08	3.30E-09	5.88E-09	5.93E-11	9.24E-09	3.21E-09	5.06E-09	7.52E-11	8.34E-09	1.82E-09	2.79E-09	1.86E-11	4.63E-09
2391	742879.88	4106909.86	2.17E-08	3.64E-08	4.02E-10	5.85E-08	3.36E-09	5.97E-09	6.02E-11	9.39E-09	3.26E-09	5.14E-09	7.65E-11	8.48E-09	1.86E-09	2.83E-09	1.89E-11	4.71E-09
2392	742900.14	4106923.58	2.20E-08	3.69E-08	4.07E-10	5.93E-08	3.40E-09	6.06E-09	6.11E-11	9.52E-09	3.31E-09	5.21E-09	7.75E-11	8.60E-09	1.88E-09	2.87E-09	1.91E-11	4.77E-09
2393	742920.41	4106937.3	2.22E-08	3.74E-08	4.12E-10	6.00E-08	3.44E-09	6.13E-09	6.18E-11	9.64E-09	3.35E-09	5.27E-09	7.85E-11	8.70E-09	1.90E-09	2.91E-09	1.94E-11	4.83E-09
2394	742940.68	4106951.02	2.24E-08	3.77E-08	4.16E-10	6.06E-08	3.48E-09	6.19E-09	6.24E-11	9.73E-09	3.38E-09	5.32E-09	7.92E-11	8.78E-09	1.92E-09	2.94E-09	1.95E-11	4.88E-09
2395	742960.95	4106964.74	2.26E-08	3.80E-08	4.19E-10	6.10E-08	3.50E-09	6.23E-09	6.28E-11	9.80E-09	3.41E-09	5.36E-09	7.98E-11	8.85E-09	1.94E-09	2.96E-09	1.97E-11	4.91E-09
2396	742981.21	4106978.45	2.27E-08	3.82E-08	4.21E-10	6.13E-08	3.52E-09	6.26E-09	6.31E-11	9.84E-09	3.42E-09	5.39E-09	8.01E-11	8.89E-09	1.94E-09	2.97E-09	1.98E-11	4.93E-09
2397	743001.48	4106992.17	2.27E-08	3.82E-08	4.22E-10	6.14E-08	3.52E-09	6.27E-09	6.32E-11	9.86E-09	3.43E-09	5.40E-09	8.03E-11	8.90E-09	1.95E-09	2.98E-09	1.98E-11	4.94E-09
2398	743021.75	4107005.89	2.27E-08	3.82E-08	4.21E-10	6.13E-08	3.52E-09	6.27E-09	6.32E-11	9.85E-09	3.42E-09	5.39E-09	8.02E-11	8.90E-09	1.95E-09	2.97E-09	1.98E-11	4.94E-09
2399	743042.02	4107019.61	2.27E-08	3.81E-08	4.20E-10	6.12E-08	3.51E-09	6.25E-09	6.30E-11	9.83E-09	3.42E-09	5.38E-09	8.00E-11	8.87E-09	1.94E-09	2.97E-09	1.97E-11	4.93E-09
2400	743062.28	4107033.32	2.26E-08	3.80E-08	4.18E-10	6.09E-08	3.50E-09	6.22E-09	6.28E-11	9.79E-09	3.40E-09	5.36E-09	7.97E-11	8.84E-09	1.93E-09	2.95E-09	1.97E-11	4.91E-09
2401	743082.55	4107047.04	2.24E-08	3.78E-08	4.16E-10	6.06E-08	3.48E-09	6.19E-09	6.24E-11	9.73E-09	3.38E-09	5.33E-09	7.92E-11	8.79E-09	1.92E-09	2.94E-09	1.95E-11	4.88E-09
2402	743102.82	4107060.76	2.23E-08	3.75E-08	4.13E-10	6.02E-08	3.46E-09	6.15E-09	6.20E-11	9.67E-09	3.36E-09	5.29E-09	7.87E-11	8.73E-09	1.91E-09	2.92E-09	1.94E-11	4.85E-09
2403	743123.09	4107074.48	2.21E-08	3.73E-08	4.11E-10	5.98E-08	3.43E-09	6.11E-09	6.16E-11	9.60E-09	3.34E-09	5.26E-09	7.82E-11	8.67E-09	1.90E-09	2.90E-09	1.93E-11	4.82E-09
2404	743143.36	4107088.19	2.20E-08	3.70E-08	4.08E-10	5.94E-08	3.41E-09	6.07E-09	6.12E-11	9.54E-09	3.32E-09	5.22E-09	7.77E-11	8.62E-09	1.89E-09	2.88E-09	1.92E-11	4.79E-09
2405	743163.62	4107101.91	2.19E-08	3.68E-08	4.06E-10	5.91E-08	3.39E-09	6.04E-09	6.09E-11	9.49E-09	3.30E-09	5.20E-09	7.73E-11	8.57E-09	1.88E-09	2.87E-09	1.91E-11	4.76E-09
2406	743183.89	4107115.63	2.18E-08	3.67E-08	4.04E-10	5.89E-08	3.38E-09	6.02E-09	6.07E-11	9.46E-09	3.29E-09	5.18E-09	7.70E-11	8.54E-09	1.87E-09	2.85E-09	1.90E-11	4.74E-09
2407	743204.16	4107129.35	2.18E-08	3.66E-08	4.04E-10	5.88E-08	3.37E-09	6.00E-09	6.05E-11	9.44E-09	3.28E-09	5.17E-09	7.69E-11	8.52E-09	1.86E-09	2.85E-09	1.90E-11	4.73E-09
2408	743224.43	4107143.07	2.18E-08	3.66E-08	4.04E-10	5.88E-08	3.38E-09	6.01E-09	6.06E-11	9.44E-09	3.28E-09	5.17E-09	7.69E-11	8.53E-09	1.87E-09	2.85E-09	1.90E-11	4.73E-09
2409	743244.69	4107156.78	2.18E-08	3.67E-08	4.05E-10	5.90E-08	3.39E-09	6.02E-09	6.08E-11	9.47E-09	3.29E-09	5.18E-09	7.71E-11	8.55E-09	1.87E-09	2.86E-09	1.90E-11	4.75E-09
2410	743264.96	4107170.5	2.20E-08	3.69E-08	4.07E-10	5.93E-08	3.40E-09	6.06E-09	6.11E-11	9.52E-09	3.31E-09	5.21E-09	7.75E-11	8.60E-09	1.88E-09	2.87E-09	1.91E-11	4.77E-09
2411	743285.23	4107184.22	2.21E-08	3.72E-08	4.10E-10	5.98E-08	3.43E-09	6.11E-09	6.16E-11	9.60E-09	3.34E-09	5.25E-09	7.82E-11	8.67E-09	1.90E-09	2.90E-09	1.93E-11	4.81E-09
2412	743305.5	4107197.94	2.24E-08	3.76E-08	4.15E-10	6.04E-08	3.47E-09	6.17E-09	6.22E-11	9.70E-09	3.37E-09	5.31E-09	7.90E-11	8.76E-09	1.92E-09	2.93E-09	1.95E-11	4.86E-09
2413	743325.76	4107211.65	2.26E-08	3.81E-08	4.20E-10	6.11E-08	3.51E-09	6.24E-09	6.30E-11	9.82E-09	3.41E-09	5.37E-09	8.00E-11	8.87E-09	1.94E-09	2.96E-09	1.97E-11	4.92E-09
2414	743346.03	4107225.37	2.29E-08	3.86E-08	4.26E-10	6.20E-08	3.56E-09	6.33E-09	6.38E-11	9.95E-09	3.46E-09	5.45E-09	8.11E-11	8.99E-09	1.97E-09	3.00E-09	2.00E-11	4.99E-09
2415	743366.3	4107239.09	2.33E-08	3.92E-08	4.32E-10	6.29E-08	3.61E-09	6.43E-09	6.48E-11	1.01E-08	3.51E-09	5.53E-09	8.23E-11	9.12E-09	2.00E-09	3.05E-09	2.03E-11	5.07E-09
2416	743386.57	4107252.81	2.36E-08	3.98E-08	4.39E-10	6.39E-08	3.67E-09	6.52E-09	6.58E-11	1.03E-08	3.57E-09	5.61E-09	8.35E-11	9.26E-09	2.03E-09	3.10E-09	2.06E-11	5.14E-09
2417	743406.84	4107266.52	2.40E-08	4.04E-08	4.45E-10	6.49E-08	3.72E-09	6.63E-09	6.68E-11	1.04E-08	3.62E-09	5.70E-09	8.48E-11	9.41E-09	2.06E-09	3.14E-09	2.09E-11	5.22E-09
2418	743427.1	4107280.24	2.44E-08	4.10E-08	4.52E-10	6.59E-08	3.78E-09	6.73E-09	6.78E-11	1.06E-08	3.68E-09	5.79E-09	8.61E-11	9.55E-09	2.09E-09	3.19E-09	2.12E-11	5.30E-09
2419	743447.37	4107293.96	2.47E-08	4.16E-08	4.59E-10	6.69E-08	3.84E-09	6.83E-09	6.89E-11	1.07E-08	3.73E-09	5.88E-09	8.74E-11	9.69E-09	2.12E-09	3.24E-09	2.16E-11	5.38E-09
2420	743467.64	4107307.68	2.51E-08	4.22E-08	4.66E-10	6.78E-08	3.89E-09	6.93E-09	6.98E-11	1.09E-08	3.79E-09	5.96E-09	8.87E-11	9.83E-09	2.15E-09	3.29E-09	2.19E-11	5.46E-09
2421	743487.91	4107321.4	2.55E-08	4.28E-08	4.72E-10	6.88E-08	3.95E-09	7.02E-09	7.08E-11	1.10E-08	3.84E-09	6.04E-09	8.99E-11	9.97E-09	2.18E-09	3.33E-09	2.22E-11	5.54E-09
2422	743508.17	4107335.11	2.58E-08	4.34E-08	4.79E-10	6.97E-08	4.00E-09	7.12E-09	7.18E-11	1.12E-08	3.89E-09	6.12E-09	9.11E-11	1.01E-08	2.21E-09	3.38E-09	2.25E-11	5.61E-09
2423	743528.44	4107348.83	2.62E-08	4.40E-08	4.85E-10	7.06E-08	4.06E-09	7.22E-09	7.28E-11	1.13E-08	3.94E-09	6.21E-09	9.24E-11	1.02E-08	2.24E-09	3.42E-09	2.28E-11	5.69E-09
2424	743548.71	4107362.55	2.65E-08	4.46E-08	4.92E-10	7.17E-08	4.11E-09	7.32E-09	7.38E-11	1.15E-08	4.00E-09	6.30E-09	9.37E-11	1.04E-08	2.27E-09	3.47E-09	2.31E-11	5.77E-09
2425	743568.98	4107376.27	2.69E-08	4.53E-08	4.99E-10	7.27E-08	4.17E-09	7.43E-09	7.49E-11	1.17E-08	4.06E-09	6.39E-09	9.51E-11	1.05E-08	2.31E-09	3.52E-09	2.35E-11	5.85E-09
2426	743589.24	4107389.98	2.73E-08	4.60E-08	5.07E-10	7.38E-08	4.24E-09	7.54E-09	7.60E-11	1.19E-08	4.12E-09	6.49E-09	9.65E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.94E-09
2427	743609.51	4107403.7	2.78E-08	4.67E-08	5.15E-10	7.50E-08	4.30E-09	7.66E-09	7.72E-11	1.20E-08	4.18E-09	6.59E-09	9.80E-11	1.09E-08	2.38E-09	3.63E-09	2.42E-11	6.04E-09
2428	743629.78	4107417.42	2.82E-08	4.75E-08	5.23E-10	7.62E-08	4.38E-09	7.78E-09	7.85E-11	1.22E-08	4.25E-09	6.70E-09	9.97E-11	1.11E-08	2.42E-09	3.69E-09	2.46E-11	6.14E-09
2429	743650.05	4107431.14	2.87E-08	4.83E-08	5.33E-10	7.76E-08	4.45E-09	7.92E-09	7.99E-11	1.25E-08	4.33E-09	6.82E-09	1.01E-10	1.12E-08	2.46E-09	3.76E-09	2.50E-11	6.24E-09
2430	743670.32	4107444.85	2.92E-08	4.92E-08	5.42E-10	7.89E-08	4.53E-09	8.06E-09	8.13E-11	1.27E-08	4.41E-09	6.94E-09	1.03E-10	1.14E-08	2.50E-09	3.83E-09	2.55E-11	6.36E-09
2431	743690.58	4107458.57	2.98E-08	5.01E-08	5.52E-10	8.04E-08	4.61E-09	8.21E-09	8.28E-11	1.29E-08	4.49E-09	7.06E-09	1.05E-10	1.17E-08	2.55E-09	3.90E-09	2.59E-11	6.47E-09
2432	743710.85	4107472.29	3.03E-08	5.10E-08	5.62E-10	8.19E-08	4.70E-09	8.36E-09	8.43E-11	1.31E-08	4.57E-09	7.19E-09	1.07E-10	1.19E-08	2.60E-09	3.97E-09	2.64E-11	6.59E-09
2433	743731.12	4107486.01	3.09E-08	5.19E-08	5.72E-10	8.34E-08	4.79E-09	8.51E-09	8.59E-11	1.34E-08	4.65E-09	7.33E-09	1.09E-10	1.21E-08	2.64E-09	4.04E-09	2.69E-11	6.71E-09
2434	743751.39	4107499.72	3.14E-08	5.29E-08	5.83E-10	8.49E-08	4.87E-09	8.67E-09	8.74E-11	1.36E-08	4.74E-09	7.46E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.74E-11	6.83E-09
2435	743771.65	4107513.44	3.20E-08	5.38E-08	5.93E-10	8.64E-08	4.96E-09	8.83E-09	8.90E-11	1.39E-08	4.82E-09	7.59E-09	1.13E-10	1.25E-08	2.74E-09	4.19E-09	2.79E-11	6.96E-09
2436	743791.92	4107527.16	3.26E-08	5.48E-08	6.04E-10	8.79E-08	5.05E-09	8.98E-09	9.06E-11	1.41E-08	4.91E-09	7.73E-09	1.15E-10	1.28E-08	2.79E-09	4.26E-09	2.84E-11	7.08E-09
2437	743812.19	4107540.88	3.31E-08	5.57E-08	6.14E-10	8.95E-08	5.14E-09	9.14E-09	9.21E-11	1.44E-08	4.99E-09	7.86E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.88E-11	7.20E-09
2438	743832.46	4107554.6	3.37E-08	5.67E-08	6.25E-10	9.10E-08	5.22E-09	9.29E-09	9.37E-11	1.46E-08	5.08E-09	8.00E-09	1.19E-10	1.32E-08	2.89E-09	4.41E-09	2.93E-11	7.33E-09
2439	743852.72	4107568.31	3.42E-08	5.76E-08	6.35E-10	9.25E-08	5.31E-09	9.45E-09	9.53E-11	1.49E-08	5.16E-09	8.13E-09	1.21E-10	1.34E-08	2.93E-09	4.48E-09	2.98E-11	7.45E-09
2440	743872.99	4107582.03	3.48E-08	5.86E-08	6.46E-10	9.41E-08	5.40E-09	9.61E-09	9.69E-11	1.51E-08	5.25E-09	8.27E-09	1.23E-10	1.36E-08	2.98E-09	4.56E-09	3.03E-11	7.57E-09
2441	743893.26	4107595.75	3.54E-08	5.96E-08	6.56E-10	9.56E-08	5.49E-09	9.76E-09	9.85E-11	1.53E-08	5.34E-09	8.40E-09	1.25E-10	1.39E-08	3.03E-09	4.63E-09	3.08E-11	7.70E-09
2442	743913.53	4107609.47	3.60E-08	6.05E-08	6.67E-10	9.72E-08	5.58E-09	9.92E-09	1.00E-10	1.56E-08	5.42E-09	8.54E-09	1.27E-10	1.41E-08	3.08E-09	4.71E-09	3.13E-11	7.82E-09
2443	743933.79	4107623.18	3.65E-08	6.15E-08	6.78E-10	9.87E-08	5.67E-09	1.01E-08	1.02E-10	1.59E-08	5.51E-09	8.68E-09	1.29E-10	1.43E-08	3.13E-09	4.79E-09	3.18E-11	7.95E-09
2444	743954.06	4107636.9	3.71E-08	6.25E-08	6.89E-10	1.00E-07	5.76E-09	1.02E-08	1.03E-10	1.61E-08	5.60E-09	8.82E-09	1.31E-10	1.46E-08	3.18E-09	4.86E-09	3.24E-11	8.08E-09
2445	743974.33	4107650.62	3.77E-08	6.35E-08	7.00E-10	1.02E-07	5.85E-09	1.04E-08	1.05E-10	1.64E-08	5.69E-09	8.96E-09	1.33E-10	1.48E-08	3.23E-09	4.94E-09	3.29E-11	8.21E-09
2446	743994.6	4107664.34	3.84E-08	6.46E-08	7.11E-10	1.04E-07	5.95E-09	1.06E-08	1.07E-10	1.66E-08	5.78E-09	9.11E-09	1.36E-10	1.50E-08	3.29E-09	5.02E-09	3.34E-11	8.34E-09
2447	744014.87	4107678.05	3.90E-08	6.56E-08	7.23E-10	1.05E-07	6.04E-09	1.08E-08	1.08E-10	1.69E-08	5.88E-09	9.25E-09	1.38E-10	1.53E-08	3.34E-09	5.10E-09	3.40E-11	8.48E-09
2448	744035.13	4107691.77	3.96E-08	6.66E-08	7.34E-10	1.07E-07	6.14E-09	1.09E-08	1.10E-10	1.72E-08	5.97E-09	9.40E-09	1.40E-10	1.55E-08	3.39E-09	5.18E-09	3.45E-11	8.61E-09
2449	744055.4	4107705.49	4.02E-08	6.76E-08	7.45E-10	1.09E-07	6.23E-09	1.11E-08	1.12E-10	1.74E-08	6.06E-09	9.54E-09	1.42E-10	1.57E-08	3.44E-09	5.26E-09	3.50E-11	8.74E-09
2450	744075.67	4107719.21	4.07E-08	6.86E-08	7.56E-10	1.10E-07	6.32E-09	1.12E-08	1.13E-10	1.77E-08	6.14E-09	9.67E-09	1.44E-10	1.60E-08	3.49E-09	5.33E-09	3.55E-11	8.86E-09
2451	744095.94	4107732.93	4.13E-08	6.94E-08	7.65E-10	1.11E-07	6.40E-09	1.14E-08	1.15E-10	1.79E-08	6.22E-09	9.80E-09	1.46E-10	1.62E-08	3.54E-09	5.40E-09	3.59E-11	8.97E-09
2452	744116.2	4107746.64	4.18E-08	7.03E-08	7.75E-10	1.13E-07	6.48E-09	1.15E-08	1.16E-10	1.81E-08	6.30E-09	9.91E-09	1.48E-10	1.64E-08	3.58E-09	5.47E-09	3.64E-11	9.08E-09
2453	744136.47	4107760.36	4.22E-08	7.10E-08	7.83E-10	1.14E-07	6.54E-09	1.16E-08	1.17E-10	1.83E-08	6.36E-09	1.00E-08	1.49E-10	1.65E-08	3.62E-09	5.52E-09	3.68E-11	9.18E-09
2454	744156.74	4107774.08	4.25E-08	7.16E-08	7.89E-10	1.15E-07	6.60E-09	1.17E-08	1.18E-10	1.85E-08	6.42E-09	1.01E-08	1.50E-10	1.67E-08	3.65E-09	5.57E-09	3.71E-11	9.25E-09
2455	744177.01	4107787.8	4.28E-08	7.21E-08	7.94E-10	1.16E-07	6.64E-09	1.18E-08	1.19E-10	1.86E-08	6.46E-09	1.02E-08	1.51E-10	1.68E-08	3.67E-09	5.61E-09	3.73E-11	9.32E-09
2456	744197.27	4107801.51	4.31E-08	7.25E-08	7.99E-10	1.16E-07	6.68E-09	1.19E-08	1.20E-10	1.87E-08	6.49E-09	1.02E-08	1.52E-10	1.69E-08	3.69E-09	5.64E-09	3.75E-11	9.37E-09
2457	744217.54	4107815.23	4.32E-08	7.27E-08	8.02E-10	1.17E-07	6.70E-09	1.19E-08	1.20E-10	1.87E-08	6.52E-09	1.03E-08	1.53E-10	1.69E-08	3.70E-09	5.66E-09	3.77E-11	9.40E-09
2458	744237.81	4107828.95	4.33E-08	7.29E-08	8.04E-10	1.17E-07	6.72E-09	1.20E-08	1.21E-10	1.88E-08	6.53E-09	1.03E-08	1.53E-10	1.70E-08	3.71E-09	5.67E-09	3.78E-11	9.43E-09
2459	744258.08	4107842.67	4.34E-08	7.30E-08	8.05E-10	1.17E-07	6.73E-09	1.20E-08	1.21E-10	1.88E-08	6.54E-09	1.03E-08	1.53E-10	1.70E-08	3.72E-09	5.68E-09	3.78E-11	9.44E-09
2460	744278.35	4107856.38	4.34E-08	7.31E-08	8.05E-10	1.17E-07	6.73E-09	1.20E-08	1.21E-10	1.88E-08	6.55E-09	1.03E-08	1.53E-10	1.70E-08	3.72E-09	5.69E-09	3.78E-11	9.44E-09

2461	744298.61	4107870.1	4.35E-08	7.31E-08	8.06E-10	1.17E-07	6.74E-09	1.20E-08	1.21E-10	1.88E-08	6.55E-09	1.03E-08	1.53E-10	1.70E-08	3.72E-09	5.69E-09	3.79E-11	9.45E-09
2462	744318.88	4107883.82	4.35E-08	7.32E-08	8.07E-10	1.17E-07	6.74E-09	1.20E-08	1.21E-10	1.89E-08	6.56E-09	1.03E-08	1.54E-10	1.70E-08	3.73E-09	5.70E-09	3.79E-11	9.46E-09
2463	744339.15	4107897.54	4.36E-08	7.33E-08	8.08E-10	1.18E-07	6.76E-09	1.20E-08	1.21E-10	1.89E-08	6.57E-09	1.03E-08	1.54E-10	1.71E-08	3.73E-09	5.71E-09	3.80E-11	9.48E-09
2464	744359.42	4107911.26	4.37E-08	7.35E-08	8.10E-10	1.18E-07	6.77E-09	1.20E-08	1.21E-10	1.89E-08	6.58E-09	1.04E-08	1.54E-10	1.71E-08	3.74E-09	5.72E-09	3.80E-11	9.50E-09
2465	744379.68	4107924.97	4.38E-08	7.38E-08	8.13E-10	1.18E-07	6.80E-09	1.21E-08	1.22E-10	1.90E-08	6.61E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.74E-09	3.82E-11	9.53E-09
2466	744399.95	4107938.69	4.41E-08	7.42E-08	8.18E-10	1.19E-07	6.83E-09	1.22E-08	1.23E-10	1.91E-08	6.65E-09	1.05E-08	1.56E-10	1.73E-08	3.78E-09	5.77E-09	3.84E-11	9.59E-09
2467	744420.22	4107952.41	4.44E-08	7.47E-08	8.23E-10	1.20E-07	6.88E-09	1.22E-08	1.23E-10	1.92E-08	6.69E-09	1.05E-08	1.57E-10	1.74E-08	3.80E-09	5.81E-09	3.87E-11	9.65E-09
2468	744440.49	4107966.13	4.47E-08	7.53E-08	8.30E-10	1.21E-07	6.94E-09	1.23E-08	1.24E-10	1.94E-08	6.75E-09	1.06E-08	1.58E-10	1.75E-08	3.83E-09	5.86E-09	3.90E-11	9.73E-09
2469	744460.75	4107979.84	4.51E-08	7.60E-08	8.37E-10	1.22E-07	7.00E-09	1.25E-08	1.26E-10	1.96E-08	6.81E-09	1.07E-08	1.59E-10	1.77E-08	3.87E-09	5.91E-09	3.93E-11	9.82E-09
2470	744481.02	4107993.56	4.56E-08	7.67E-08	8.46E-10	1.23E-07	7.07E-09	1.26E-08	1.27E-10	1.98E-08	6.87E-09	1.08E-08	1.61E-10	1.79E-08	3.91E-09	5.97E-09	3.97E-11	9.92E-09
2471	744501.29	4108007.28	4.61E-08	7.75E-08	8.54E-10	1.24E-07	7.14E-09	1.27E-08	1.28E-10	2.00E-08	6.94E-09	1.09E-08	1.63E-10	1.80E-08	3.95E-09	6.03E-09	4.01E-11	1.00E-08
2472	744521.56	4108021	4.65E-08	7.83E-08	8.63E-10	1.26E-07	7.22E-09	1.28E-08	1.29E-10	2.02E-08	7.02E-09	1.10E-08	1.64E-10	1.82E-08	3.99E-09	6.09E-09	4.05E-11	1.01E-08
2473	744541.83	4108034.71	4.70E-08	7.91E-08	8.72E-10	1.27E-07	7.29E-09	1.30E-08	1.31E-10	2.04E-08	7.09E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.15E-09	4.09E-11	1.02E-08
2474	744562.09	4108048.43	4.74E-08	7.98E-08	8.80E-10	1.28E-07	7.35E-09	1.31E-08	1.32E-10	2.06E-08	7.15E-09	1.13E-08	1.68E-10	1.86E-08	4.06E-09	6.21E-09	4.13E-11	1.03E-08
2475	744582.36	4108062.15	4.78E-08	8.05E-08	8.87E-10	1.29E-07	7.41E-09	1.32E-08	1.33E-10	2.07E-08	7.21E-09	1.14E-08	1.69E-10	1.87E-08	4.10E-09	6.26E-09	4.17E-11	1.04E-08
2476	744602.63	4108075.87	4.81E-08	8.10E-08	8.93E-10	1.30E-07	7.47E-09	1.33E-08	1.34E-10	2.09E-08	7.26E-09	1.14E-08	1.70E-10	1.89E-08	4.12E-09	6.30E-09	4.19E-11	1.05E-08
2477	744622.9	4108089.59	4.84E-08	8.15E-08	8.98E-10	1.31E-07	7.51E-09	1.34E-08	1.35E-10	2.10E-08	7.30E-09	1.15E-08	1.71E-10	1.90E-08	4.15E-09	6.34E-09	4.22E-11	1.05E-08
2478	744643.16	4108103.3	4.86E-08	8.19E-08	9.02E-10	1.31E-07	7.54E-09	1.34E-08	1.35E-10	2.11E-08	7.34E-09	1.15E-08	1.72E-10	1.91E-08	4.17E-09	6.37E-09	4.24E-11	1.06E-08
2479	740407.21	4107226.08	1.34E-08	2.26E-08	2.49E-10	3.63E-08	2.08E-09	3.71E-09	3.74E-11	5.83E-09	2.03E-09	3.19E-09	4.75E-11	5.26E-09	1.15E-09	1.76E-09	1.17E-11	2.92E-09
2480	740386.57	4107239.34	1.36E-08	2.28E-08	2.52E-10	3.67E-08	2.10E-09	3.74E-09	3.78E-11	5.89E-09	2.05E-09	3.22E-09	4.79E-11	5.32E-09	1.16E-09	1.78E-09	1.18E-11	2.95E-09
2481	740365.93	4107252.6	1.37E-08	2.31E-08	2.55E-10	3.71E-08	2.13E-09	3.79E-09	3.82E-11	5.96E-09	2.07E-09	3.26E-09	4.85E-11	5.38E-09	1.18E-09	1.80E-09	1.20E-11	2.99E-09
2482	740345.3	4107265.85	1.39E-08	2.34E-08	2.58E-10	3.76E-08	2.16E-09	3.84E-09	3.88E-11	6.04E-09	2.10E-09	3.31E-09	4.92E-11	5.46E-09	1.19E-09	1.82E-09	1.21E-11	3.03E-09
2483	740324.66	4107279.11	1.42E-08	2.38E-08	2.62E-10	3.82E-08	2.19E-09	3.90E-09	3.94E-11	6.14E-09	2.13E-09	3.36E-09	5.00E-11	5.54E-09	1.21E-09	1.85E-09	1.23E-11	3.08E-09
2484	740304.02	4107292.37	1.44E-08	2.42E-08	2.67E-10	3.89E-08	2.23E-09	3.97E-09	4.00E-11	6.24E-09	2.17E-09	3.42E-09	5.08E-11	5.64E-09	1.23E-09	1.88E-09	1.25E-11	3.13E-09
2485	740283.38	4107305.62	1.46E-08	2.46E-08	2.71E-10	3.95E-08	2.27E-09	4.04E-09	4.07E-11	6.35E-09	2.21E-09	3.47E-09	5.17E-11	5.73E-09	1.25E-09	1.92E-09	1.27E-11	3.18E-09
2486	741943.03	4109938.39	1.12E-05	1.89E-05	2.08E-07	3.03E-05	1.74E-06	3.09E-06	3.12E-08	4.86E-06	1.69E-06	2.66E-06	3.96E-08	4.39E-06	9.61E-07	1.47E-06	9.77E-09	2.44E-06
2487	741960.55	4109963.31	1.46E-05	2.46E-05	2.71E-07	3.94E-05	2.26E-06	4.03E-06	4.06E-08	6.33E-06	2.20E-06	3.47E-06	5.16E-08	5.72E-06	1.25E-06	1.91E-06	1.27E-08	3.17E-06
2488	741977.05	4109990.24	1.63E-05	2.74E-05	3.02E-07	4.40E-05	2.53E-06	4.49E-06	4.53E-08	7.06E-06	2.46E-06	3.87E-06	5.75E-08	6.38E-06	1.40E-06	2.13E-06	1.42E-08	3.54E-06
2489	741913.25	4109921.94	5.91E-06	9.95E-06	1.10E-07	1.60E-05	9.17E-07	1.63E-06	1.65E-08	2.56E-06	8.92E-07	1.40E-06	2.09E-08	2.32E-06	5.07E-07	7.74E-07	5.15E-09	1.29E-06
2490	741934.39	4109952.35	1.41E-05	2.37E-05	2.61E-07	3.80E-05	2.18E-06	3.89E-06	3.92E-08	6.11E-06	2.12E-06	3.34E-06	4.97E-08	5.52E-06	1.21E-06	1.84E-06	1.23E-08	3.06E-06
2491	741957.94	4109988.34	1.67E-05	2.81E-05	3.09E-07	4.51E-05	2.59E-06	4.60E-06	4.64E-08	7.24E-06	2.52E-06	3.96E-06	5.89E-08	6.53E-06	1.43E-06	2.18E-06	1.45E-08	3.63E-06
2492	741892.15	4109935.35	5.63E-06	9.48E-06	1.04E-07	1.52E-05	8.74E-07	1.55E-06	1.57E-08	2.44E-06	8.50E-07	1.34E-06	1.99E-08	2.21E-06	4.83E-07	7.38E-07	4.91E-09	1.23E-06
2493	741896.42	4109882.11	2.92E-06	4.92E-06	5.42E-08	7.90E-06	4.53E-07	8.07E-07	8.13E-09	1.27E-06	4.41E-07	6.94E-07	1.03E-08	1.15E-06	2.51E-07	3.83E-07	2.55E-09	6.36E-07
2494	741871.05	4109948.76	5.42E-06	9.12E-06	1.01E-07	1.46E-05	8.40E-07	1.49E-06	1.51E-08	2.35E-06	8.17E-07	1.29E-06	1.91E-08	2.12E-06	4.64E-07	7.09E-07	4.72E-09	1.18E-06
2495	741864.42	4109911.18	3.14E-06	5.28E-06	5.82E-08	8.48E-06	4.87E-07	8.66E-07	8.74E-09	1.36E-06	4.73E-07	7.45E-07	1.11E-08	1.23E-06	2.69E-07	4.11E-07	2.74E-09	6.83E-07
2496	741872	4109876.74	2.35E-06	3.96E-06	4.37E-08	6.36E-06	3.65E-07	6.50E-07	6.55E-09	1.02E-06	3.55E-07	5.59E-07	8.32E-09	9.22E-07	2.02E-07	3.08E-07	2.05E-09	5.12E-07
2497	741828.86	4109975.59	4.84E-06	8.15E-06	8.98E-08	1.31E-05	7.51E-07	1.34E-06	1.35E-08	2.10E-06	7.30E-07	1.15E-06	1.71E-08	1.90E-06	4.15E-07	6.34E-07	4.22E-09	1.05E-06
2498	741822.22	4109938.01	2.97E-06	5.00E-06	5.51E-08	8.03E-06	4.61E-07	8.20E-07	8.27E-09	1.29E-06	4.48E-07	7.06E-07	1.05E-08	1.16E-06	2.55E-07	3.89E-07	2.59E-09	6.47E-07
2499	741815.59	4109900.43	2.08E-06	3.51E-06	3.87E-08	5.63E-06	3.23E-07	5.75E-07	5.80E-09	9.04E-07	3.14E-07	4.95E-07	7.36E-09	8.16E-07	1.79E-07	2.73E-07	1.82E-09	4.53E-07
2500	741823.17	4109865.98	1.67E-06	2.81E-06	3.09E-08	4.50E-06	2.59E-07	4.60E-07	4.64E-09	7.23E-07	2.51E-07	3.96E-07	5.89E-09	6.53E-07	1.43E-07	2.18E-07	1.45E-09	3.63E-07
2501	741844.98	4109834.67	1.42E-06	2.39E-06	2.63E-08	3.83E-06	2.20E-07	3.91E-07	3.95E-09	6.15E-07	2.14E-07	3.37E-07	5.01E-09	5.56E-07	1.22E-07	1.86E-07	1.24E-09	3.09E-07
2502	741773.39	4109927.26	2.04E-06	3.44E-06	3.79E-08	5.51E-06	3.17E-07	5.63E-07	5.68E-09	8.85E-07	3.08E-07	4.85E-07	7.21E-09	8.00E-07	1.75E-07	2.67E-07	1.78E-09	4.44E-07
2503	741766.76	4109889.68	1.53E-06	2.58E-06	2.84E-08	4.14E-06	2.38E-07	4.23E-07	4.27E-09	6.65E-07	2.31E-07	3.64E-07	5.42E-09	6.01E-07	1.31E-07	2.01E-07	1.34E-09	3.33E-07
2504	741774.34	4109855.23	1.27E-06	2.14E-06	2.36E-08	3.44E-06	1.97E-07	3.51E-07	3.54E-09	5.52E-07	1.92E-07	3.02E-07	4.50E-09	4.99E-07	1.09E-07	1.67E-07	1.11E-09	2.77E-07
2505	741796.15	4109823.91	1.11E-06	1.87E-06	2.06E-08	3.00E-06	1.72E-07	3.07E-07	3.09E-09	4.82E-07	1.68E-07	2.64E-07	3.93E-09	4.36E-07	9.53E-08	1.46E-07	9.69E-10	2.42E-07
2506	741817.96	4109792.6	9.49E-07	1.60E-06	1.76E-08	2.56E-06	1.47E-07	2.62E-07	2.64E-09	4.12E-07	1.43E-07	2.25E-07	3.35E-09	3.72E-07	8.13E-08	1.24E-07	8.27E-10	2.06E-07
2507	741801.43	4110039.2	5.42E-06	9.13E-06	1.01E-07	1.47E-05	8.41E-07	1.50E-06	1.51E-08	2.35E-06	8.18E-07	1.29E-06	1.92E-08	2.12E-06	4.65E-07	7.10E-07	4.73E-09	1.18E-06
2508	741824.31	4110075.2	6.33E-06	1.07E-05	1.17E-07	1.71E-05	9.82E-07	1.75E-06	1.76E-08	2.75E-06	9.55E-07	1.50E-06	2.24E-08	2.48E-06	5.43E-07	8.29E-07	5.52E-09	1.38E-06
2509	741744.1	4110027.15	2.93E-06	4.93E-06	5.43E-08	7.91E-06	4.54E-07	8.08E-07	8.15E-09	1.27E-06	4.41E-07	6.95E-07	1.03E-08	1.15E-06	2.51E-07	3.83E-07	2.55E-09	6.37E-07
2510	741736.73	4109985.4	2.40E-06	4.05E-06	4.46E-08	6.50E-06	3.73E-07	6.64E-07	6.69E-09	1.04E-06	3.63E-07	5.71E-07	8.50E-09	9.42E-07	2.06E-07	3.15E-07	2.10E-09	5.23E-07
2511	741729.36	4109943.64	1.83E-06	3.07E-06	3.39E-08	4.94E-06	2.83E-07	5.04E-07	5.08E-09	7.92E-07	2.76E-07	4.34E-07	6.45E-09	7.16E-07	1.57E-07	2.39E-07	1.59E-09	3.97E-07
2512	741726.73	4109842.74	1.01E-06	1.70E-06	1.88E-08	2.73E-06	1.57E-07	2.79E-07	2.82E-09	4.39E-07	1.53E-07	2.40E-07	3.57E-09	3.96E-07	8.67E-08	1.32E-07	8.81E-10	2.20E-07
2513	741750.96	4109807.94	8.89E-07	1.50E-06	1.65E-08	2.40E-06	1.38E-07	2.45E-07	2.47E-09	3.86E-07	1.34E-07	2.11E-07	3.14E-09	3.48E-07	7.62E-08	1.16E-07	7.74E-10	1.93E-07
2514	741775.19	4109773.15	7.55E-07	1.27E-06	1.40E-08	2.04E-06	1.17E-07	2.08E-07	2.10E-09	3.28E-07	1.14E-07	1.79E-07	2.67E-09	2.96E-07	6.47E-08	9.89E-08	6.58E-10	1.64E-07
2515	741799.42	4109738.35	6.48E-07	1.09E-06	1.20E-08	1.75E-06	1.00E-07	1.79E-07	1.80E-09	2.81E-07	9.77E-08	1.54E-07	2.29E-09	2.54E-07	5.55E-08	8.49E-08	5.65E-10	1.41E-07
2516	741759.23	4110066.03	3.36E-06	5.65E-06	6.23E-08	9.07E-06	5.21E-07	9.26E-07	9.34E-09	1.46E-06	5.06E-07	7.97E-07	1.19E-08	1.31E-06	2.88E-07	4.40E-07	2.92E-09	7.30E-07
2517	741782.12	4110102.02	3.63E-06	6.11E-06	6.74E-08	9.81E-06	5.63E-07	1.00E-06	1.01E-08	1.58E-06	5.48E-07	8.63E-07	1.28E-08	1.42E-06	3.11E-07	4.76E-07	3.17E-09	7.90E-07
2518	741701.98	4110054.36	2.19E-06	3.68E-06	4.06E-08	5.91E-06	3.39E-07	6.03E-07	6.09E-09	9.49E-07	3.30E-07	5.19E-07	7.73E-09	8.57E-07	1.87E-07	2.86E-07	1.91E-09	4.76E-07
2519	741694.74	4110013.36	2.03E-06	3.42E-06	3.77E-08	5.48E-06	3.15E-07	5.60E-07	5.65E-09	8.81E-07	3.06E-07	4.82E-07	7.17E-09	7.95E-07	1.74E-07	2.66E-07	1.77E-09	4.42E-07
2520	741687.5	4109972.37	1.72E-06	2.90E-06	3.20E-08	4.65E-06	2.67E-07	4.75E-07	4.79E-09	7.47E-07	2.60E-07	4.09E-07	6.09E-09	6.75E-07	1.48E-07	2.26E-07	1.50E-09	3.75E-07
2521	741680.26	4109931.37	1.38E-06	2.33E-06	2.56E-08	3.73E-06	2.14E-07	3.81E-07	3.85E-09	6.00E-07	2.08E-07	3.28E-07	4.88E-09	5.42E-07	1.18E-07	1.81E-07	1.20E-09	3.01E-07
2522	741673.02	4109890.38	1.09E-06	1.83E-06	2.01E-08	2.93E-06	1.68E-07	2.99E-07	3.02E-09	4.71E-07	1.64E-07	2.58E-07	3.83E-09	4.25E-07	9.30E-08	1.42E-07	9.45E-10	2.36E-07
2523	741701.47	4109798.14	7.50E-07	1.26E-06	1.39E-08	2.03E-06	1.16E-07	2.07E-07	2.09E-09	3.25E-07	1.13E-07	1.78E-07	2.65E-09	2.94E-07	6.43E-08	9.82E-08	6.53E-10	1.63E-07
2524	741725.26	4109763.97	6.52E-07	1.10E-06	1.21E-08	1.76E-06	1.01E-07	1.80E-07	1.81E-09	2.83E-07	9.83E-08	1.55E-07	2.30E-09	2.55E-07	5.59E-08	8.54E-08	5.68E-10	1.42E-07
2525	741749.05	4109729.81	5.61E-07	9.44E-07	1.04E-08	1.51E-06	8.70E-08	1.55E-07	1.56E-09	2.43E-07	8.46E-08	1.33E-07	1.98E-09	2.20E-07	4.80E-08	7.34E-08	4.89E-10	1.22E-07
2526	741772.84	4109695.65	4.95E-07	8.33E-07	9.18E-09	1.34E-06	7.67E-08	1.37E-07	1.38E-09	2.15E-07	7.46E-08	1.17E-07	1.75E-09	1.94E-07	4.24E-08	6.48E-08	4.31E-10	1.08E-07
2527	741717.04	4110092.86	2.31E-06	3.89E-06	4.28E-08	6.24E-06	3.58E-07	6.37E-07	6.43E-09	1.00E-06	3.48E-07	5.48E-07	8.16E-09	9.05E-07	1.98E-07	3.02E-07	2.01E-09	5.02E-07
2528	741739.92	4110128.85	2.39E-06	4.03E-06	4.44E-08	6.46E-06	3.71E-07	6.60E-07	6.66E-09	1.04E-06	3.61E-07	5.68E-07	8.45E-09	9.37E-07	2.05E-07	3.13E-07	2.08E-09	5.20E-07
2529	741617.67	4110108.47	1.30E-06	2.19E-06	2.41E-08	3.51E-06	2.01E-07	3.58E-07	3.61E-09	5.63E-07	1.96E-07	3.08E-07	4.59E-09	5.09E-07	1.11E-07	1.70E-07	1.13E-09	2.83E-07
2530	741610.59	4110068.38	1.33E-06	2.24E-06	2.47E-08	3.60E-06	2.06E-07	3.67E-07	3.70E-09	5.78E-07	2.01E-07	3.16E-07	4.70E-09	5.22E-07	1.14E-07	1.74E-07	1.16E-09	2.90E-07
2531	741603.51	4110028.3	1.30E-06	2.19E-06	2.41E-08	3.52E-06	2.02E-07	3.59E-07	3.62E-09	5.65E-07	1.96E-07	3.09E-07	4.60E-09	5.10E-07	1.12E-07	1.70E-07	1.13E-09	2.83E-07
2532	741596.43	4109988.21	1.20E-06	2.02E-06	2.22E-08	3.24E-06	1.86E-07	3.31E-07	3.34E-09	5.20E-07	1.81E-07	2.85E-07	4.24E-09	4.70E-07	1.03E-07	1.57E-07	1.05E-09	2.61E-07
2533	741589.35	4109948.13	1.06E-06	1.78E-06	1.96E-08	2.85E-06	1.64E-07	2.91E-07	2.94E-09	4.58E-07	1.59E-07	2.51E-07	3.73E-09	4.14E-07	9.05E-08	1.38E-07	9.20E-10	2.30E-07
2534	741582.28	4109908.04	8.96E-07	1.51E-06	1.66E-08	2.42E-06	1.39E-07	2.47E-07	2.49E-09	3.89E-07	1.35E-07	2.13E-07	3.16E-09	3.51E-07	7.68E-08	1.17E-07	7.80E-10	1.95E-07
2535	741575.2	4109867.96	7.45E-07	1.25E-06	1.38E-08	2.01E-06	1.16E-07	2.06E-07	2.07E-09	3.23E-07	1.12E-07	1.77E-07	2.63E-09	2.92E-07	6.39E-08	9.76E-08	6.49E-10	1.62E-07
2536	741579.75	4109811.17	5.99E-07	1.01E-06	1.11E-08	1.62E-06	9.29E-08	1.65E-07	1.67E-09	2.60E-07	9.04E-08	1.42E-07	2.12E-09	2.35E-07	5.13E-08	7.85E-08	5.22E-10	1.30E-07
2537	741603.01	4109777.77	5.51E-07	9.27E-07	1.02E-08	1.49E-06	8.54E-08	1.52E-07	1.53E-09	2.39E-07	8.31E-08	1.31E-07	1.95E-09	2.16E-07	4.72E-08	7.21E-08	4.80E-10	1.20E-07
2538	741649.54	4109710.96	4.45E-07	7.49E-07	8.26E-09	1.20E-06	6.91E-08	1.23E-07	1.24E-09	1.93E-07	6.71E-08	1.06E-07	1.57E-09	1.74E-07	3.82E-08	5.83E-08	3.88E-10	9.68E-08
2539	741672.8	4109677.56	3.92E-07	6.60E-07	7.28E-09	1.06E-06	6.08E-08	1.08E-07	1.09E-09	1.70E-07	5.92E-08	9.31E-08	1.39E-09	1.54E-07	3.36E-08	5.14E-08	3.42E-10	8.53E-08
2540	741696.06	4109644.16	3.52E-07	5.92E-07	6.52E-09	9.50E-07	5.45E-08	9.70E-08	9.78E-10	1.53E-07	5.30E-08	8.35E-08	1.24E-09	1.38E-07	3.01E-08	4.60E-08	3.06E-10	7.65E-08
2541	741719.32	4109610.75	3.24E-07	5.45E-07	6.01E-09	8.75E-07	5.02E-08	8.93E-08	9.01E-10	1.40E-07	4.88E-08	7.69E-08	1.14E-09	1.27E-07	2.77E-08	4.24E-08	2.82E-10	7.04E-08
2542	741632.65	4110146.51	1.28E-06	2.16E-06	2.38E-08	3.47E-06	1.99E-07	3.54E-07	3.57E-09	5.57E-07	1.94E-07	3.05E-07	4.53E-09	5.03E-07	1.10E-07	1.68E-07	1.12E-09	2.79E-07
2543	741655.53	4110182.5	1.29E-06	2.17E-06	2.39E-08	3.48E-06	2.00E-07	3.56E-07	3.59E-09	5.59E-07	1.94E-07	3.06E-07	4.55E-09	5.05E-07	1.10E-07	1.69E-07	1.12E-09	2.80E-07
2544	741533.13	4110161.29	8.42E-07	1.42E-06	1.56E-08	2.28E-06	1.31E-07	2.32E-07	2.34E-09	3.65E-07	1.27E-07	2.00E-07	2.98E-09	3.30E-07	7.22E-08	1.10E-07	7.34E-10	1.83E-07
2545	741525.76	4110119.53	8.93E-07	1.50E-06	1.66E-08	2.41E-06	1.38E-07	2.46E-07	2.48E-09	3.87E-07	1.35E-07	2.12E-07	3.15E-09	3.50E-07	7.65E-08	1.17E-07	7.78E-10	1.94E-07
2546	741518.39	4110077.78	9.24E-07	1.56E-06	1.71E-08	2.50E-06	1.43E-07	2.55E-07	2.57E-09	4.01E-07	1.39E-07	2.19E-07	3.27E-09	3.62E-07	7.92E-08	1.21E-07	8.05E-10	2.01E-07
2547	741511.01	4110036.02	9.15E-07	1.54E-06	1.70E-08	2.47E-06	1.42E-07	2.53E-07	2.55E-09	3.97E-07	1.38E-07	2.17E-07	3.23E-09	3.59E-07	7.84E-08	1.20E-07	7.98E-10	1.99E-07
2548	741503.64	4109994.27	8.63E-07	1.45E-06	1.60E-08	2.33E-06	1.34E-07	2.38E-07	2.40E-09	3.74E-07	1.30E-07	2.05E-07	3.05E-09	3.38E-07	7.39E-08	1.13E-07	7.52E-10	1.88E-07

2549	741496.27	4109952.51	7.84E-07	1.32E-06	1.46E-08	2.12E-06	1.22E-07	2.16E-07	2.18E-09	3.40E-07	1.18E-07	1.86E-07	2.77E-09	3.07E-07	6.72E-08	1.03E-07	6.83E-10	1.71E-07
2550	741488.89	4109910.76	6.94E-07	1.17E-06	1.29E-08	1.88E-06	1.08E-07	1.92E-07	1.93E-09	3.01E-07	1.05E-07	1.65E-07	2.45E-09	2.72E-07	5.95E-08	9.09E-08	6.05E-10	1.51E-07
2551	741481.52	4109869	6.02E-07	1.01E-06	1.12E-08	1.63E-06	9.34E-08	1.66E-07	1.68E-09	2.61E-07	9.08E-08	1.43E-07	2.13E-09	2.36E-07	5.16E-08	7.88E-08	5.24E-10	1.31E-07
2552	741474.15	4109827.25	5.18E-07	8.72E-07	9.62E-09	1.40E-06	8.04E-08	1.43E-07	1.44E-09	2.25E-07	7.82E-08	1.23E-07	1.83E-09	2.03E-07	4.44E-08	6.79E-08	4.52E-10	1.13E-07
2553	741482.58	4109788.97	4.63E-07	7.79E-07	8.59E-09	1.25E-06	7.18E-08	1.28E-07	1.29E-09	2.01E-07	6.98E-08	1.10E-07	1.64E-09	1.81E-07	3.97E-08	6.06E-08	4.03E-10	1.01E-07
2554	741506.81	4109754.18	4.24E-07	7.14E-07	7.87E-09	1.15E-06	6.58E-08	1.17E-07	1.18E-09	1.84E-07	6.40E-08	1.01E-07	1.50E-09	1.66E-07	3.64E-08	5.56E-08	3.70E-10	9.23E-08
2555	741531.04	4109719.38	3.86E-07	6.50E-07	7.16E-09	1.04E-06	5.99E-08	1.06E-07	1.07E-09	1.67E-07	5.82E-08	9.16E-08	1.36E-09	1.51E-07	3.31E-08	5.05E-08	3.36E-10	8.39E-08
2556	741555.27	4109684.58	3.51E-07	5.90E-07	6.50E-09	9.47E-07	5.44E-08	9.67E-08	9.75E-10	1.52E-07	5.29E-08	8.32E-08	1.24E-09	1.37E-07	3.00E-08	4.59E-08	3.05E-10	7.62E-08
2557	741603.73	4109614.99	2.85E-07	4.79E-07	5.28E-09	7.69E-07	4.41E-08	7.85E-08	7.92E-10	1.23E-07	4.29E-08	6.76E-08	1.01E-09	1.12E-07	2.44E-08	3.73E-08	2.48E-10	6.19E-08
2558	741627.96	4109580.2	2.59E-07	4.37E-07	4.81E-09	7.01E-07	4.02E-08	7.16E-08	7.22E-10	1.13E-07	3.91E-08	6.16E-08	9.16E-10	1.02E-07	2.22E-08	3.40E-08	2.26E-10	5.64E-08
2559	741652.19	4109545.4	2.42E-07	4.07E-07	4.48E-09	6.53E-07	3.75E-08	6.67E-08	6.72E-10	1.05E-07	3.64E-08	5.74E-08	8.54E-10	9.47E-08	2.07E-08	3.16E-08	2.11E-10	5.26E-08
2560	741548.26	4110200.16	8.22E-07	1.38E-06	1.53E-08	2.22E-06	1.28E-07	2.27E-07	2.29E-09	3.57E-07	1.24E-07	1.95E-07	2.91E-09	3.22E-07	7.05E-08	1.08E-07	7.16E-10	1.79E-07
2561	741571.15	4110236.16	8.32E-07	1.40E-06	1.54E-08	2.25E-06	1.29E-07	2.30E-07	2.31E-09	3.61E-07	1.25E-07	1.98E-07	2.94E-09	3.26E-07	7.13E-08	1.09E-07	7.25E-10	1.81E-07
2562	741448.81	4110215.32	5.90E-07	9.92E-07	1.09E-08	1.59E-06	9.14E-08	1.63E-07	1.64E-09	2.56E-07	8.89E-08	1.40E-07	2.08E-09	2.31E-07	5.05E-08	7.72E-08	5.14E-10	1.28E-07
2563	741441.57	4110174.32	6.23E-07	1.05E-06	1.16E-08	1.68E-06	9.67E-08	1.72E-07	1.73E-09	2.70E-07	9.40E-08	1.48E-07	2.20E-09	2.44E-07	5.34E-08	8.16E-08	5.43E-10	1.36E-07
2564	741434.33	4110133.33	6.63E-07	1.12E-06	1.23E-08	1.79E-06	1.03E-07	1.83E-07	1.84E-09	2.88E-07	9.99E-08	1.57E-07	2.34E-09	2.60E-07	5.68E-08	8.68E-08	5.77E-10	1.44E-07
2565	741427.09	4110092.33	6.91E-07	1.16E-06	1.28E-08	1.87E-06	1.07E-07	1.91E-07	1.92E-09	3.00E-07	1.04E-07	1.64E-07	2.44E-09	2.71E-07	5.92E-08	9.05E-08	6.02E-10	1.50E-07
2566	741419.85	4110051.33	6.94E-07	1.17E-06	1.29E-08	1.87E-06	1.08E-07	1.91E-07	1.93E-09	3.01E-07	1.05E-07	1.65E-07	2.45E-09	2.72E-07	5.94E-08	9.08E-08	6.04E-10	1.51E-07
2567	741412.61	4110010.34	6.66E-07	1.12E-06	1.24E-08	1.80E-06	1.03E-07	1.84E-07	1.85E-09	2.89E-07	1.00E-07	1.58E-07	2.35E-09	2.61E-07	5.71E-08	8.72E-08	5.80E-10	1.45E-07
2568	741405.38	4109969.34	6.21E-07	1.04E-06	1.15E-08	1.68E-06	9.63E-08	1.71E-07	1.73E-09	2.69E-07	9.36E-08	1.47E-07	2.19E-09	2.43E-07	5.32E-08	8.13E-08	5.41E-10	1.35E-07
2569	741398.14	4109928.35	5.69E-07	9.57E-07	1.06E-08	1.54E-06	8.82E-08	1.57E-07	1.58E-09	2.47E-07	8.58E-08	1.35E-07	2.01E-09	2.23E-07	4.87E-08	7.45E-08	4.96E-10	1.24E-07
2570	741390.9	4109887.35	5.15E-07	8.67E-07	9.55E-09	1.39E-06	7.99E-08	1.42E-07	1.43E-09	2.23E-07	7.77E-08	1.22E-07	1.82E-09	2.02E-07	4.41E-08	6.74E-08	4.49E-10	1.12E-07
2571	741383.66	4109846.36	4.61E-07	7.76E-07	8.55E-09	1.25E-06	7.15E-08	1.27E-07	1.28E-09	2.00E-07	6.95E-08	1.09E-07	1.63E-09	1.81E-07	3.95E-08	6.04E-08	4.02E-10	1.00E-07
2572	741376.42	4109805.36	4.10E-07	6.91E-07	7.61E-09	1.11E-06	6.36E-08	1.13E-07	1.14E-09	1.78E-07	6.19E-08	9.74E-08	1.45E-09	1.61E-07	3.52E-08	5.37E-08	3.57E-10	8.93E-08
2573	741384.7	4109767.78	3.75E-07	6.30E-07	6.95E-09	1.01E-06	5.81E-08	1.03E-07	1.04E-09	1.62E-07	5.65E-08	8.89E-08	1.32E-09	1.47E-07	3.21E-08	4.91E-08	3.26E-10	8.15E-08
2574	741408.49	4109733.62	3.47E-07	5.84E-07	6.44E-09	9.37E-07	5.38E-08	9.57E-08	9.65E-10	1.51E-07	5.23E-08	8.24E-08	1.23E-09	1.36E-07	2.97E-08	4.54E-08	3.02E-10	7.55E-08
2575	741432.28	4109699.45	3.16E-07	5.32E-07	5.86E-09	8.54E-07	4.90E-08	8.72E-08	8.79E-10	1.37E-07	4.77E-08	7.50E-08	1.12E-09	1.24E-07	2.71E-08	4.14E-08	2.75E-10	6.88E-08
2576	741456.07	4109665.29	2.87E-07	4.83E-07	5.32E-09	7.76E-07	4.45E-08	7.92E-08	7.99E-10	1.25E-07	4.33E-08	6.82E-08	1.01E-09	1.12E-07	2.46E-08	3.76E-08	2.50E-10	6.24E-08
2577	741479.86	4109631.13	2.63E-07	4.43E-07	4.88E-09	7.11E-07	4.08E-08	7.26E-08	7.32E-10	1.14E-07	3.97E-08	6.25E-08	9.29E-10	1.03E-07	2.25E-08	3.44E-08	2.29E-10	5.72E-08
2578	741503.65	4109596.97	2.43E-07	4.08E-07	4.50E-09	6.55E-07	3.76E-08	6.69E-08	6.75E-10	1.05E-07	3.66E-08	5.76E-08	8.57E-10	9.50E-08	2.08E-08	3.18E-08	2.11E-10	5.27E-08
2579	741551.23	4109528.64	2.07E-07	3.49E-07	3.84E-09	5.59E-07	3.21E-08	5.71E-08	5.76E-10	8.98E-08	3.12E-08	4.92E-08	7.32E-10	8.11E-08	1.77E-08	2.71E-08	1.80E-10	4.50E-08
2580	741575.02	4109494.48	1.94E-07	3.27E-07	3.60E-09	5.25E-07	3.01E-08	5.36E-08	5.40E-10	8.42E-08	2.93E-08	4.61E-08	6.86E-10	7.61E-08	1.66E-08	2.54E-08	1.69E-10	4.22E-08
2581	741598.81	4109460.32	1.84E-07	3.10E-07	3.41E-09	4.97E-07	2.85E-08	5.08E-08	5.12E-10	7.98E-08	2.78E-08	4.37E-08	6.50E-10	7.21E-08	1.58E-08	2.41E-08	1.60E-10	4.00E-08
2582	741463.87	4110253.81	5.82E-07	9.80E-07	1.08E-08	1.57E-06	9.03E-08	1.61E-07	1.62E-09	2.53E-07	8.78E-08	1.38E-07	2.06E-09	2.28E-07	4.99E-08	7.62E-08	5.07E-10	1.27E-07
2583	741486.76	4110289.81	5.93E-07	9.98E-07	1.10E-08	1.60E-06	9.20E-08	1.64E-07	1.65E-09	2.57E-07	8.94E-08	1.41E-07	2.10E-09	2.32E-07	5.08E-08	7.77E-08	5.17E-10	1.29E-07
2584	741364.47	4110269.23	4.43E-07	7.46E-07	8.22E-09	1.20E-06	6.87E-08	1.22E-07	1.23E-09	1.92E-07	6.68E-08	1.05E-07	1.57E-09	1.74E-07	3.80E-08	5.80E-08	3.86E-10	9.64E-08
2585	741357.32	4110228.76	4.60E-07	7.75E-07	8.54E-09	1.24E-06	7.14E-08	1.27E-07	1.28E-09	2.00E-07	6.94E-08	1.09E-07	1.63E-09	1.80E-07	3.95E-08	6.03E-08	4.01E-10	1.00E-07
2586	741350.18	4110188.29	4.87E-07	8.20E-07	9.04E-09	1.32E-06	7.56E-08	1.34E-07	1.36E-09	2.11E-07	7.35E-08	1.16E-07	1.72E-09	1.91E-07	4.17E-08	6.38E-08	4.24E-10	1.06E-07
2587	741343.03	4110147.82	5.19E-07	8.73E-07	9.62E-09	1.40E-06	8.04E-08	1.43E-07	1.44E-09	2.25E-07	7.82E-08	1.23E-07	1.83E-09	2.03E-07	4.44E-08	6.79E-08	4.52E-10	1.13E-07
2588	741335.88	4110107.35	5.43E-07	9.14E-07	1.01E-08	1.47E-06	8.42E-08	1.50E-07	1.51E-09	2.36E-07	8.19E-08	1.29E-07	1.92E-09	2.13E-07	4.65E-08	7.11E-08	4.73E-10	1.18E-07
2589	741328.74	4110066.88	5.50E-07	9.25E-07	1.02E-08	1.48E-06	8.52E-08	1.52E-07	1.53E-09	2.38E-07	8.29E-08	1.30E-07	1.94E-09	2.15E-07	4.71E-08	7.20E-08	4.79E-10	1.20E-07
2590	741321.59	4110026.41	5.34E-07	8.99E-07	9.91E-09	1.44E-06	8.28E-08	1.47E-07	1.49E-09	2.32E-07	8.06E-08	1.27E-07	1.89E-09	2.09E-07	4.58E-08	6.99E-08	4.65E-10	1.16E-07
2591	741314.44	4109985.94	5.04E-07	8.48E-07	9.35E-09	1.36E-06	7.81E-08	1.39E-07	1.40E-09	2.19E-07	7.60E-08	1.20E-07	1.78E-09	1.97E-07	4.32E-08	6.60E-08	4.39E-10	1.10E-07
2592	741307.3	4109945.47	4.69E-07	7.89E-07	8.70E-09	1.27E-06	7.27E-08	1.29E-07	1.30E-09	2.03E-07	7.07E-08	1.11E-07	1.66E-09	1.84E-07	4.02E-08	6.14E-08	4.09E-10	1.02E-07
2593	741300.15	4109905	4.35E-07	7.31E-07	8.06E-09	1.17E-06	6.74E-08	1.20E-07	1.21E-09	1.89E-07	6.55E-08	1.03E-07	1.54E-09	1.70E-07	3.72E-08	5.69E-08	3.79E-10	9.45E-08
2594	741293.01	4109864.53	4.01E-07	6.75E-07	7.44E-09	1.08E-06	6.22E-08	1.11E-07	1.12E-09	1.74E-07	6.05E-08	9.53E-08	1.42E-09	1.57E-07	3.44E-08	5.25E-08	3.50E-10	8.73E-08
2595	741285.86	4109824.06	3.68E-07	6.19E-07	6.83E-09	9.94E-07	5.71E-08	1.02E-07	1.02E-09	1.60E-07	5.55E-08	8.74E-08	1.30E-09	1.44E-07	3.15E-08	4.82E-08	3.21E-10	8.00E-08
2596	741278.71	4109783.59	3.35E-07	5.64E-07	6.22E-09	9.05E-07	5.20E-08	9.25E-08	9.33E-10	1.45E-07	5.05E-08	7.96E-08	1.18E-09	1.31E-07	2.87E-08	4.39E-08	2.92E-10	7.29E-08
2597	741286.88	4109746.49	3.11E-07	5.24E-07	5.77E-09	8.41E-07	4.83E-08	8.59E-08	8.66E-10	1.35E-07	4.69E-08	7.39E-08	1.10E-09	1.22E-07	2.67E-08	4.07E-08	2.71E-10	6.77E-08
2598	741310.37	4109712.77	2.92E-07	4.91E-07	5.42E-09	7.89E-07	4.53E-08	8.06E-08	8.12E-10	1.27E-07	4.40E-08	6.93E-08	1.03E-09	1.14E-07	2.50E-08	3.82E-08	2.54E-10	6.35E-08
2599	741333.85	4109679.04	2.69E-07	4.52E-07	4.98E-09	7.25E-07	4.16E-08	7.41E-08	7.47E-10	1.16E-07	4.05E-08	6.38E-08	9.49E-10	1.05E-07	2.30E-08	3.52E-08	2.34E-10	5.84E-08
2600	741357.34	4109645.32	2.44E-07	4.10E-07	4.52E-09	6.59E-07	3.78E-08	6.73E-08	6.78E-10	1.06E-07	3.68E-08	5.79E-08	8.61E-10	9.55E-08	2.09E-08	3.19E-08	2.12E-10	5.30E-08
2601	741380.82	4109611.59	2.22E-07	3.74E-07	4.12E-09	6.00E-07	3.44E-08	6.13E-08	6.18E-10	9.64E-08	3.35E-08	5.27E-08	7.85E-10	8.70E-08	1.90E-08	2.91E-08	1.94E-10	4.83E-08
2602	741404.31	4109577.87	2.05E-07	3.45E-07	3.81E-09	5.54E-07	3.18E-08	5.66E-08	5.71E-10	8.90E-08	3.09E-08	4.87E-08	7.25E-10	8.04E-08	1.76E-08	2.69E-08	1.79E-10	4.46E-08
2603	741427.79	4109544.14	1.92E-07	3.23E-07	3.56E-09	5.18E-07	2.97E-08	5.29E-08	5.34E-10	8.32E-08	2.89E-08	4.55E-08	6.78E-10	7.51E-08	1.64E-08	2.51E-08	1.67E-10	4.17E-08
2604	741451.28	4109510.42	1.80E-07	3.03E-07	3.34E-09	4.87E-07	2.80E-08	4.97E-08	5.02E-10	7.82E-08	2.72E-08	4.28E-08	6.37E-10	7.06E-08	1.54E-08	2.36E-08	1.57E-10	3.92E-08
2605	741498.25	4109442.97	1.61E-07	2.71E-07	2.99E-09	4.35E-07	2.50E-08	4.44E-08	4.48E-10	6.98E-08	2.43E-08	3.82E-08	5.69E-10	6.31E-08	1.38E-08	2.11E-08	1.40E-10	3.50E-08
2606	741521.74	4109409.25	1.53E-07	2.58E-07	2.84E-09	4.14E-07	2.38E-08	4.23E-08	4.27E-10	6.65E-08	2.31E-08	3.64E-08	5.42E-10	6.01E-08	1.31E-08	2.01E-08	1.34E-10	3.33E-08
2607	741545.22	4109375.52	1.46E-07	2.47E-07	2.72E-09	3.96E-07	2.27E-08	4.04E-08	4.08E-10	6.35E-08	2.21E-08	3.48E-08	5.17E-10	5.74E-08	1.26E-08	1.92E-08	1.28E-10	3.19E-08
2608	741379.48	4110307.47	4.42E-07	7.43E-07	8.19E-09	1.19E-06	6.85E-08	1.22E-07	1.23E-09	1.92E-07	6.66E-08	1.05E-07	1.56E-09	1.73E-07	3.79E-08	5.79E-08	3.85E-10	9.61E-08
2609	741402.37	4110343.46	4.51E-07	7.59E-07	8.37E-09	1.22E-06	6.99E-08	1.24E-07	1.25E-09	1.96E-07	6.80E-08	1.07E-07	1.59E-09	1.77E-07	3.86E-08	5.91E-08	3.93E-10	9.81E-08
2610	741195.65	4110376.28	2.86E-07	4.81E-07	5.30E-09	7.72E-07	4.43E-08	7.88E-08	7.95E-10	1.24E-07	4.31E-08	6.78E-08	1.01E-09	1.12E-07	2.45E-08	3.74E-08	2.49E-10	6.21E-08
2611	741188.41	4110335.28	2.91E-07	4.89E-07	5.39E-09	7.86E-07	4.51E-08	8.02E-08	8.09E-10	1.26E-07	4.38E-08	6.90E-08	1.03E-09	1.14E-07	2.49E-08	3.81E-08	2.53E-10	6.32E-08
2612	741181.17	4110294.28	2.99E-07	5.03E-07	5.55E-09	8.08E-07	4.64E-08	8.25E-08	8.32E-10	1.30E-07	4.51E-08	7.10E-08	1.06E-09	1.17E-07	2.56E-08	3.92E-08	2.61E-10	6.51E-08
2613	741173.93	4110253.29	3.13E-07	5.26E-07	5.80E-09	8.44E-07	4.85E-08	8.62E-08	8.70E-10	1.36E-07	4.71E-08	7.42E-08	1.10E-09	1.22E-07	2.68E-08	4.09E-08	2.72E-10	6.80E-08
2614	741166.69	4110212.29	3.32E-07	5.58E-07	6.15E-09	8.96E-07	5.15E-08	9.15E-08	9.23E-10	1.44E-07	5.00E-08	7.88E-08	1.17E-09	1.30E-07	2.84E-08	4.34E-08	2.89E-10	7.22E-08
2615	741159.45	4110171.3	3.54E-07	5.95E-07	6.56E-09	9.55E-07	5.48E-08	9.75E-08	9.84E-10	1.53E-07	5.33E-08	8.39E-08	1.25E-09	1.39E-07	3.03E-08	4.63E-08	3.08E-10	7.69E-08
2616	741152.21	4110130.3	3.71E-07	6.25E-07	6.89E-09	1.00E-06	5.76E-08	1.02E-07	1.03E-09	1.61E-07	5.60E-08	8.81E-08	1.31E-09	1.45E-07	3.18E-08	4.86E-08	3.23E-10	8.07E-08
2617	741144.97	4110089.31	3.78E-07	6.36E-07	7.01E-09	1.02E-06	5.86E-08	1.04E-07	1.05E-09	1.64E-07	5.70E-08	8.97E-08	1.33E-09	1.48E-07	3.24E-08	4.95E-08	3.29E-10	8.22E-08
2618	741137.73	4110048.31	3.71E-07	6.24E-07	6.87E-09	1.00E-06	5.75E-08	1.02E-07	1.03E-09	1.61E-07	5.59E-08	8.80E-08	1.31E-09	1.45E-07	3.18E-08	4.85E-08	3.23E-10	8.06E-08
2619	741130.49	4110007.31	3.53E-07	5.94E-07	6.54E-09	9.53E-07	5.47E-08	9.73E-08	9.81E-10	1.53E-07	5.32E-08	8.37E-08	1.25E-09	1.38E-07	3.02E-08	4.62E-08	3.07E-10	7.67E-08
2620	741123.25	4109966.32	3.31E-07	5.56E-07	6.13E-09	8.93E-07	5.13E-08	9.12E-08	9.20E-10	1.43E-07	4.99E-08	7.85E-08	1.17E-09	1.30E-07	2.83E-08	4.33E-08	2.88E-10	7.19E-08
2621	741116.02	4109925.32	3.10E-07	5.21E-07	5.75E-09	8.37E-07	4.80E-08	8.55E-08	8.62E-10	1.34E-07	4.67E-08	7.35E-08	1.09E-09	1.21E-07	2.65E-08	4.06E-08	2.70E-10	6.74E-08
2622	741108.78	4109884.33	2.92E-07	4.92E-07	5.42E-09	7.90E-07	4.53E-08	8.07E-08	8.13E-10	1.27E-07	4.41E-08	6.94E-08	1.03E-09	1.15E-07	2.51E-08	3.83E-08	2.55E-10	6.36E-08
2623	741101.54	4109843.33	2.77E-07	4.67E-07	5.15E-09	7.49E-07	4.30E-08	7.65E-08	7.72E-10	1.20E-07	4.18E-08	6.59E-08	9.80E-10	1.09E-07	2.38E-08	3.63E-08	2.42E-10	6.03E-08
2624	741094.3	4109802.33	2.63E-07	4.43E-07	4.88E-09	7.10E-07	4.08E-08	7.26E-08	7.32E-10	1.14E-07	3.97E-08	6.24E-08	9.29E-10	1.03E-07	2.25E-08	3.44E-08	2.29E-10	5.72E-08
2625	741087.06	4109761.34	2.48E-07	4.17E-07	4.59E-09	6.69E-07	3.84E-08	6.83E-08	6.89E-10	1.07E-07	3.73E-08	5.88E-08	8.75E-10	9.70E-08	2.12E-08	3.24E-08	2.16E-10	5.39E-08
2626	741091.72	4109703.26	2.27E-07	3.82E-07	4.21E-09	6.13E-07	3.52E-08	6.26E-08	6.31E-10	9.84E-08	3.42E-08	5.39E-08	8.01E-10	8.89E-08	1.94E-08	2.97E-08	1.98E-10	4.93E-08
2627	741115.51	4109669.1	2.16E-07	3.64E-07	4.02E-09	5.85E-07	3.36E-08	5.97E-08	6.02E-10	9.39E-08	3.26E-08	5.14E-08	7.65E-10	8.48E-08	1.85E-08	2.83E-08	1.89E-10	4.71E-08
2628	741139.3	4109634.94	2.03E-07	3.42E-07	3.77E-09	5.49E-07	3.15E-08	5.60E-08	5.65E-10	8.81E-08	3.06E-08	4.82E-08	7.17E-10	7.96E-08	1.74E-08	2.66E-08	1.77E-10	4.42E-08
2629	741163.09	4109600.77	1.87E-07	3.15E-07	3.47E-09	5.06E-07	2.90E-08	5.17E-08	5.21E-10	8.12E-08	2.82E-08	4.45E-08	6.62E-10	7.34E-08	1.60E-08	2.45E-08	1.63E-10	4.07E-08
2630	741186.88	4109566.61	1.71E-07	2.87E-07	3.17E-09	4.61E-07	2.65E-08	4.71E-08	4.75E-10	7.41E-08	2.58E-08	4.06E-08	6.03E-10	6.69E-08	1.46E-08	2.24E-08	1.49E-10	3.72E-08
2631	741210.67	4109532.45	1.56E-07	2.62E-07	2.89E-09	4.20E-07	2.41E-08	4.29E-08	4.33E-10	6.75E-08	2.35E-08	3.69E-08	5.50E-10	6.10E-08	1.33E-08	2.04E-08	1.36E-10	3.38E-08
2632	741234.46	4109498.29	1.44E-07	2.42E-07	2.66E-09	3.88E-07	2.23E-08	3.96E-08	3.99E-10	6.22E-08	2.16E-08	3.41E-08	5.07E-10	5.62E-08	1.23E-08	1.88E-08	1.25E-10	3.12E-08
2633	741258.25	4109464.12	1.34E-07	2.26E-07	2.49E-09	3.63E-07	2.09E-08	3.71E-08	3.74E-10	5.83E-08	2.03E-08	3.19E-08	4.75E-10	5.27E-08	1.15E-08	1.76E-08	1.17E-10	2.92E-08
2634	741282.04	4109429.96	1.28E-07	2.15E-07	2.37E-09	3.45E-07	1.98E-08	3.53E-08	3.56E-10	5.55E-08	1.93E-08	3.04E-08	4.52E-10	5.01E-08	1.10E-08	1.67E-08	1.11E-10	2.78E-08
2635	741305.83	4109395.8	1.23E-07	2.07E-07	2.28E-09	3.32E-07	1.90E-08	3.39E-08	3.42E-10	5.33E-08	1.85E-08	2.92E-08	4.34E-10	4.81E-08	1.05E-08	1.61E-08	1.07E-10	2.67E-08
2636	741329.62	4109361.63	1.19E-07	2.00E-07	2.20E-09	3.21E-07	1.84E-08	3.28E-08	3.30E-10	5.15E-08	1.79E-08	2.82E-08	4.19E-10	4.65E-08	1.02E-08	1.55E-08	1.03E-10	2.58E-08

2637	741353.41	4109327.47	1.15E-07	1.94E-07	2.14E-09	3.11E-07	1.79E-08	3.18E-08	3.20E-10	4.99E-08	1.74E-08	2.73E-08	4.07E-10	4.51E-08	9.86E-09	1.51E-08	1.00E-10	2.50E-08
2638	741377.2	4109293.31	1.11E-07	1.88E-07	2.07E-09	3.01E-07	1.73E-08	3.08E-08	3.10E-10	4.84E-08	1.68E-08	2.65E-08	3.94E-10	4.37E-08	9.55E-09	1.46E-08	9.71E-11	2.42E-08
2639	741400.99	4109259.15	1.08E-07	1.81E-07	2.00E-09	2.91E-07	1.67E-08	2.97E-08	2.99E-10	4.67E-08	1.62E-08	2.55E-08	3.80E-10	4.21E-08	9.22E-09	1.41E-08	9.37E-11	2.34E-08
2640	741424.78	4109224.98	1.03E-07	1.74E-07	1.92E-09	2.79E-07	1.60E-08	2.85E-08	2.88E-10	4.49E-08	1.56E-08	2.46E-08	3.65E-10	4.05E-08	8.86E-09	1.35E-08	9.01E-11	2.25E-08
2641	741448.57	4109190.82	9.91E-08	1.67E-07	1.84E-09	2.68E-07	1.54E-08	2.73E-08	2.76E-10	4.30E-08	1.49E-08	2.35E-08	3.50E-10	3.88E-08	8.49E-09	1.30E-08	8.63E-11	2.16E-08
2642	741210.71	4110414.77	2.87E-07	4.83E-07	5.32E-09	7.75E-07	4.45E-08	7.91E-08	7.98E-10	1.24E-07	4.33E-08	6.81E-08	1.01E-09	1.12E-07	2.46E-08	3.76E-08	2.50E-10	6.24E-08
2643	741233.59	4110450.77	2.93E-07	4.93E-07	5.44E-09	7.92E-07	4.55E-08	8.09E-08	8.16E-10	1.27E-07	4.42E-08	6.96E-08	1.04E-09	1.15E-07	2.51E-08	3.84E-08	2.55E-10	6.38E-08
2644	741026.84	4110483.41	2.05E-07	3.45E-07	3.80E-09	5.53E-07	3.18E-08	5.65E-08	5.70E-10	8.88E-08	3.09E-08	4.86E-08	7.23E-10	8.02E-08	1.75E-08	2.68E-08	1.78E-10	4.45E-08
2645	741019.54	4110442.07	2.07E-07	3.48E-07	3.84E-09	5.59E-07	3.21E-08	5.71E-08	5.76E-10	8.97E-08	3.12E-08	4.91E-08	7.31E-10	8.10E-08	1.77E-08	2.71E-08	1.80E-10	4.50E-08
2646	741012.24	4110400.74	2.10E-07	3.53E-07	3.89E-09	5.67E-07	3.26E-08	5.79E-08	5.84E-10	9.11E-08	3.17E-08	4.98E-08	7.42E-10	8.22E-08	1.80E-08	2.75E-08	1.83E-10	4.57E-08
2647	741004.94	4110359.4	2.14E-07	3.61E-07	3.98E-09	5.79E-07	3.33E-08	5.92E-08	5.97E-10	9.30E-08	3.23E-08	5.09E-08	7.57E-10	8.40E-08	1.84E-08	2.81E-08	1.87E-10	4.66E-08
2648	740997.64	4110318.06	2.22E-07	3.73E-07	4.11E-09	5.98E-07	3.43E-08	6.11E-08	6.16E-10	9.61E-08	3.34E-08	5.26E-08	7.82E-10	8.68E-08	1.90E-08	2.90E-08	1.93E-10	4.82E-08
2649	740990.34	4110276.72	2.32E-07	3.91E-07	4.31E-09	6.28E-07	3.60E-08	6.41E-08	6.46E-10	1.01E-07	3.50E-08	5.52E-08	8.21E-10	9.10E-08	1.99E-08	3.04E-08	2.02E-10	5.05E-08
2650	740983.04	4110235.39	2.47E-07	4.15E-07	4.58E-09	6.67E-07	3.83E-08	6.81E-08	6.87E-10	1.07E-07	3.72E-08	5.86E-08	8.72E-10	9.67E-08	2.12E-08	3.23E-08	2.15E-10	5.37E-08
2651	740975.74	4110194.05	2.63E-07	4.42E-07	4.87E-09	7.10E-07	4.07E-08	7.25E-08	7.31E-10	1.14E-07	3.96E-08	6.24E-08	9.28E-10	1.03E-07	2.25E-08	3.44E-08	2.29E-10	5.71E-08
2652	740968.44	4110152.71	2.75E-07	4.63E-07	5.11E-09	7.44E-07	4.27E-08	7.59E-08	7.66E-10	1.19E-07	4.15E-08	6.53E-08	9.72E-10	1.08E-07	2.36E-08	3.60E-08	2.40E-10	5.99E-08
2653	740961.14	4110111.37	2.81E-07	4.72E-07	5.20E-09	7.58E-07	4.35E-08	7.74E-08	7.80E-10	1.22E-07	4.23E-08	6.66E-08	9.91E-10	1.10E-07	2.40E-08	3.67E-08	2.44E-10	6.10E-08
2654	740953.84	4110070.04	2.77E-07	4.66E-07	5.13E-09	7.48E-07	4.29E-08	7.64E-08	7.70E-10	1.20E-07	4.17E-08	6.57E-08	9.78E-10	1.08E-07	2.37E-08	3.62E-08	2.41E-10	6.02E-08
2655	740946.55	4110028.7	2.66E-07	4.47E-07	4.93E-09	7.18E-07	4.12E-08	7.33E-08	7.39E-10	1.15E-07	4.01E-08	6.31E-08	9.39E-10	1.04E-07	2.28E-08	3.48E-08	2.31E-10	5.78E-08
2656	740939.25	4109987.36	2.51E-07	4.22E-07	4.65E-09	6.77E-07	3.89E-08	6.91E-08	6.97E-10	1.09E-07	3.78E-08	5.95E-08	8.85E-10	9.82E-08	2.15E-08	3.28E-08	2.18E-10	5.45E-08
2657	740931.95	4109946.02	2.35E-07	3.96E-07	4.36E-09	6.36E-07	3.65E-08	6.49E-08	6.55E-10	1.02E-07	3.55E-08	5.59E-08	8.31E-10	9.22E-08	2.02E-08	3.08E-08	2.05E-10	5.12E-08
2658	740924.65	4109904.69	2.22E-07	3.74E-07	4.12E-09	6.00E-07	3.44E-08	6.13E-08	6.18E-10	9.64E-08	3.35E-08	5.27E-08	7.85E-10	8.70E-08	1.90E-08	2.91E-08	1.94E-10	4.83E-08
2659	740917.35	4109863.35	2.12E-07	3.57E-07	3.93E-09	5.73E-07	3.29E-08	5.85E-08	5.90E-10	9.20E-08	3.20E-08	5.03E-08	7.49E-10	8.31E-08	1.82E-08	2.78E-08	1.85E-10	4.61E-08
2660	740910.05	4109822.01	2.04E-07	3.44E-07	3.79E-09	5.52E-07	3.17E-08	5.64E-08	5.68E-10	8.86E-08	3.08E-08	4.85E-08	7.22E-10	8.00E-08	1.75E-08	2.67E-08	1.78E-10	4.44E-08
2661	740902.75	4109780.67	1.98E-07	3.32E-07	3.66E-09	5.34E-07	3.06E-08	5.45E-08	5.50E-10	8.57E-08	2.98E-08	4.69E-08	6.98E-10	7.74E-08	1.69E-08	2.59E-08	1.72E-10	4.30E-08
2662	740895.45	4109739.34	1.90E-07	3.20E-07	3.53E-09	5.14E-07	2.95E-08	5.25E-08	5.30E-10	8.26E-08	2.87E-08	4.52E-08	6.72E-10	7.46E-08	1.63E-08	2.49E-08	1.66E-10	4.14E-08
2663	740888.15	4109698	1.82E-07	3.06E-07	3.37E-09	4.91E-07	2.82E-08	5.02E-08	5.06E-10	7.89E-08	2.74E-08	4.32E-08	6.42E-10	7.12E-08	1.56E-08	2.38E-08	1.58E-10	3.95E-08
2664	740896.49	4109660.11	1.75E-07	2.94E-07	3.24E-09	4.72E-07	2.71E-08	4.83E-08	4.87E-10	7.59E-08	2.64E-08	4.15E-08	6.18E-10	6.85E-08	1.50E-08	2.29E-08	1.52E-10	3.80E-08
2665	740920.48	4109625.66	1.69E-07	2.84E-07	3.13E-09	4.56E-07	2.62E-08	4.66E-08	4.70E-10	7.32E-08	2.55E-08	4.01E-08	5.96E-10	6.61E-08	1.45E-08	2.21E-08	1.47E-10	3.67E-08
2666	740944.47	4109591.21	1.60E-07	2.70E-07	2.98E-09	4.33E-07	2.49E-08	4.43E-08	4.46E-10	6.96E-08	2.42E-08	3.81E-08	5.67E-10	6.28E-08	1.37E-08	2.10E-08	1.40E-10	3.49E-08
2667	740968.46	4109556.76	1.50E-07	2.53E-07	2.79E-09	4.06E-07	2.33E-08	4.15E-08	4.18E-10	6.52E-08	2.27E-08	3.57E-08	5.31E-10	5.89E-08	1.29E-08	1.97E-08	1.31E-10	3.27E-08
2668	740992.45	4109522.32	1.39E-07	2.35E-07	2.59E-09	3.77E-07	2.16E-08	3.85E-08	3.88E-10	6.05E-08	2.10E-08	3.31E-08	4.93E-10	5.46E-08	1.20E-08	1.83E-08	1.22E-10	3.03E-08
2669	741016.44	4109487.87	1.28E-07	2.16E-07	2.38E-09	3.46E-07	1.99E-08	3.54E-08	3.57E-10	5.56E-08	1.93E-08	3.04E-08	4.53E-10	5.02E-08	1.10E-08	1.68E-08	1.12E-10	2.79E-08
2670	741040.43	4109453.42	1.18E-07	1.98E-07	2.18E-09	3.18E-07	1.82E-08	3.24E-08	3.27E-10	5.10E-08	1.77E-08	2.79E-08	4.15E-10	4.61E-08	1.01E-08	1.54E-08	1.02E-10	2.56E-08
2671	741064.41	4109418.97	1.09E-07	1.83E-07	2.01E-09	2.93E-07	1.68E-08	2.99E-08	3.02E-10	4.71E-08	1.64E-08	2.58E-08	3.83E-10	4.25E-08	9.30E-09	1.42E-08	9.45E-11	2.36E-08
2672	741088.4	4109384.53	1.01E-07	1.71E-07	1.88E-09	2.74E-07	1.57E-08	2.80E-08	2.82E-10	4.39E-08	1.53E-08	2.41E-08	3.58E-10	3.97E-08	8.68E-09	1.33E-08	8.83E-11	2.20E-08
2673	741112.39	4109350.08	9.60E-08	1.62E-07	1.78E-09	2.59E-07	1.49E-08	2.65E-08	2.67E-10	4.16E-08	1.45E-08	2.28E-08	3.39E-10	3.76E-08	8.23E-09	1.26E-08	8.36E-11	2.09E-08
2674	741136.38	4109315.63	9.22E-08	1.55E-07	1.71E-09	2.49E-07	1.43E-08	2.54E-08	2.57E-10	4.00E-08	1.39E-08	2.19E-08	3.26E-10	3.61E-08	7.90E-09	1.21E-08	8.03E-11	2.01E-08
2675	741160.37	4109281.19	8.96E-08	1.51E-07	1.66E-09	2.42E-07	1.39E-08	2.47E-08	2.49E-10	3.89E-08	1.35E-08	2.13E-08	3.17E-10	3.51E-08	7.68E-09	1.17E-08	7.81E-11	1.95E-08
2676	741184.36	4109246.74	8.79E-08	1.48E-07	1.63E-09	2.38E-07	1.36E-08	2.43E-08	2.45E-10	3.81E-08	1.33E-08	2.09E-08	3.11E-10	3.45E-08	7.54E-09	1.15E-08	7.66E-11	1.91E-08
2677	741208.35	4109212.29	8.67E-08	1.46E-07	1.61E-09	2.34E-07	1.34E-08	2.39E-08	2.41E-10	3.76E-08	1.31E-08	2.06E-08	3.06E-10	3.40E-08	7.43E-09	1.14E-08	7.55E-11	1.89E-08
2678	741232.33	4109177.84	8.55E-08	1.44E-07	1.59E-09	2.31E-07	1.33E-08	2.36E-08	2.38E-10	3.71E-08	1.29E-08	2.03E-08	3.02E-10	3.35E-08	7.32E-09	1.12E-08	7.45E-11	1.86E-08
2679	741256.32	4109143.4	8.37E-08	1.41E-07	1.55E-09	2.26E-07	1.30E-08	2.31E-08	2.33E-10	3.63E-08	1.26E-08	1.99E-08	2.96E-10	3.28E-08	7.18E-09	1.10E-08	7.30E-11	1.82E-08
2680	741280.31	4109108.95	8.14E-08	1.37E-07	1.51E-09	2.20E-07	1.26E-08	2.25E-08	2.26E-10	3.53E-08	1.23E-08	1.93E-08	2.88E-10	3.19E-08	6.98E-09	1.07E-08	7.09E-11	1.77E-08
2681	741304.3	4109074.5	7.86E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.19E-10	3.41E-08	1.18E-08	1.86E-08	2.77E-10	3.08E-08	6.73E-09	1.03E-08	6.84E-11	1.71E-08
2682	741328.29	4109040.05	7.54E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.08E-08	2.10E-10	3.27E-08	1.14E-08	1.79E-08	2.66E-10	2.95E-08	6.46E-09	9.87E-09	6.56E-11	1.64E-08
2683	741041.93	4110522.08	2.06E-07	3.47E-07	3.82E-09	5.57E-07	3.20E-08	5.69E-08	5.73E-10	8.94E-08	3.11E-08	4.89E-08	7.28E-10	8.07E-08	1.77E-08	2.70E-08	1.80E-10	4.48E-08
2684	741064.82	4110558.07	2.10E-07	3.53E-07	3.89E-09	5.67E-07	3.26E-08	5.79E-08	5.84E-10	9.11E-08	3.17E-08	4.98E-08	7.42E-10	8.22E-08	1.80E-08	2.75E-08	1.83E-10	4.57E-08
2685	740858.04	4110590.6	1.56E-07	2.63E-07	2.90E-09	4.22E-07	2.42E-08	4.31E-08	4.35E-10	6.78E-08	2.36E-08	3.71E-08	5.52E-10	6.12E-08	1.34E-08	2.05E-08	1.36E-10	3.40E-08
2686	740850.7	4110549.02	1.57E-07	2.64E-07	2.92E-09	4.25E-07	2.44E-08	4.34E-08	4.37E-10	6.82E-08	2.37E-08	3.73E-08	5.55E-10	6.16E-08	1.35E-08	2.06E-08	1.37E-10	3.42E-08
2687	740843.36	4110507.44	1.59E-07	2.67E-07	2.94E-09	4.29E-07	2.46E-08	4.38E-08	4.42E-10	6.88E-08	2.39E-08	3.77E-08	5.61E-10	6.22E-08	1.36E-08	2.08E-08	1.38E-10	3.45E-08
2688	740836.02	4110465.86	1.61E-07	2.71E-07	2.98E-09	4.35E-07	2.49E-08	4.44E-08	4.48E-10	6.98E-08	2.43E-08	3.82E-08	5.68E-10	6.30E-08	1.38E-08	2.11E-08	1.40E-10	3.50E-08
2689	740828.67	4110424.29	1.64E-07	2.76E-07	3.04E-09	4.42E-07	2.54E-08	4.52E-08	4.55E-10	7.10E-08	2.47E-08	3.89E-08	5.78E-10	6.41E-08	1.40E-08	2.14E-08	1.43E-10	3.56E-08
2690	740821.33	4110382.71	1.68E-07	2.82E-07	3.11E-09	4.53E-07	2.60E-08	4.63E-08	4.67E-10	7.27E-08	2.53E-08	3.98E-08	5.92E-10	6.57E-08	1.44E-08	2.20E-08	1.46E-10	3.65E-08
2691	740813.99	4110341.13	1.74E-07	2.93E-07	3.22E-09	4.70E-07	2.70E-08	4.80E-08	4.84E-10	7.54E-08	2.62E-08	4.13E-08	6.14E-10	6.81E-08	1.49E-08	2.28E-08	1.51E-10	3.78E-08
2692	740806.65	4110299.55	1.83E-07	3.08E-07	3.39E-09	4.94E-07	2.84E-08	5.05E-08	5.09E-10	7.93E-08	2.76E-08	4.34E-08	6.46E-10	7.16E-08	1.57E-08	2.39E-08	1.59E-10	3.98E-08
2693	740799.31	4110257.98	1.94E-07	3.27E-07	3.60E-09	5.25E-07	3.01E-08	5.36E-08	5.41E-10	8.43E-08	2.93E-08	4.61E-08	6.86E-10	7.61E-08	1.67E-08	2.54E-08	1.69E-10	4.23E-08
2694	740791.96	4110216.4	2.06E-07	3.47E-07	3.82E-09	5.57E-07	3.20E-08	5.69E-08	5.73E-10	8.94E-08	3.11E-08	4.89E-08	7.28E-10	8.07E-08	1.77E-08	2.70E-08	1.80E-10	4.48E-08
2695	740784.62	4110174.82	2.15E-07	3.62E-07	3.99E-09	5.81E-07	3.34E-08	5.94E-08	5.99E-10	9.33E-08	3.25E-08	5.11E-08	7.60E-10	8.43E-08	1.84E-08	2.82E-08	1.87E-10	4.68E-08
2696	740777.28	4110133.24	2.19E-07	3.69E-07	4.07E-09	5.92E-07	3.40E-08	6.05E-08	6.10E-10	9.51E-08	3.31E-08	5.20E-08	7.74E-10	8.59E-08	1.88E-08	2.87E-08	1.91E-10	4.77E-08
2697	740769.94	4110091.67	2.17E-07	3.66E-07	4.03E-09	5.87E-07	3.37E-08	5.99E-08	6.04E-10	9.42E-08	3.28E-08	5.16E-08	7.67E-10	8.51E-08	1.86E-08	2.84E-08	1.89E-10	4.73E-08
2698	740762.6	4110050.09	2.10E-07	3.54E-07	3.90E-09	5.68E-07	3.26E-08	5.80E-08	5.85E-10	9.11E-08	3.17E-08	4.99E-08	7.42E-10	8.23E-08	1.80E-08	2.75E-08	1.83E-10	4.57E-08
2699	740755.26	4110008.51	2.00E-07	3.36E-07	3.70E-09	5.39E-07	3.10E-08	5.51E-08	5.56E-10	8.66E-08	3.01E-08	4.74E-08	7.05E-10	7.82E-08	1.71E-08	2.62E-08	1.74E-10	4.34E-08
2700	740747.91	4109966.94	1.88E-07	3.17E-07	3.49E-09	5.08E-07	2.92E-08	5.19E-08	5.24E-10	8.16E-08	2.84E-08	4.47E-08	6.65E-10	7.37E-08	1.61E-08	2.46E-08	1.64E-10	4.09E-08
2701	740740.57	4109925.36	1.77E-07	2.99E-07	3.29E-09	4.79E-07	2.75E-08	4.90E-08	4.94E-10	7.70E-08	2.68E-08	4.21E-08	6.27E-10	6.95E-08	1.52E-08	2.32E-08	1.55E-10	3.86E-08
2702	740733.23	4109883.78	1.69E-07	2.84E-07	3.13E-09	4.55E-07	2.61E-08	4.65E-08	4.69E-10	7.31E-08	2.54E-08	4.00E-08	5.95E-10	6.60E-08	1.44E-08	2.21E-08	1.47E-10	3.67E-08
2703	740725.89	4109842.2	1.62E-07	2.73E-07	3.01E-09	4.38E-07	2.51E-08	4.47E-08	4.51E-10	7.03E-08	2.44E-08	3.85E-08	5.72E-10	6.35E-08	1.39E-08	2.12E-08	1.41E-10	3.52E-08
2704	740718.55	4109800.63	1.58E-07	2.65E-07	2.92E-09	4.26E-07	2.44E-08	4.35E-08	4.38E-10	6.83E-08	2.38E-08	3.74E-08	5.57E-10	6.17E-08	1.35E-08	2.06E-08	1.37E-10	3.43E-08
2705	740711.21	4109759.05	1.54E-07	2.59E-07	2.86E-09	4.16E-07	2.39E-08	4.25E-08	4.29E-10	6.68E-08	2.32E-08	3.66E-08	5.44E-10	6.04E-08	1.32E-08	2.02E-08	1.34E-10	3.35E-08
2706	740703.86	4109717.47	1.51E-07	2.54E-07	2.80E-09	4.07E-07	2.34E-08	4.16E-08	4.19E-10	6.54E-08	2.27E-08	3.58E-08	5.32E-10	5.90E-08	1.29E-08	1.97E-08	1.31E-10	3.28E-08
2707	740696.52	4109675.89	1.47E-07	2.47E-07	2.72E-09	3.96E-07	2.27E-08	4.04E-08	4.08E-10	6.35E-08	2.21E-08	3.48E-08	5.18E-10	5.74E-08	1.26E-08	1.92E-08	1.28E-10	3.19E-08
2708	740701.24	4109616.99	1.40E-07	2.35E-07	2.60E-09	3.78E-07	2.17E-08	3.86E-08	3.89E-10	6.07E-08	2.11E-08	3.32E-08	4.94E-10	5.48E-08	1.20E-08	1.83E-08	1.22E-10	3.04E-08
2709	740725.37	4109582.35	1.36E-07	2.29E-07	2.53E-09	3.68E-07	2.11E-08	3.76E-08	3.79E-10	5.91E-08	2.06E-08	3.24E-08	4.81E-10	5.34E-08	1.17E-08	1.78E-08	1.19E-10	2.96E-08
2710	740749.5	4109547.7	1.31E-07	2.20E-07	2.43E-09	3.53E-07	2.03E-08	3.61E-08	3.64E-10	5.67E-08	1.97E-08	3.11E-08	4.62E-10	5.12E-08	1.12E-08	1.71E-08	1.14E-10	2.85E-08
2711	740773.63	4109513.05	1.24E-07	2.09E-07	2.30E-09	3.35E-07	1.92E-08	3.42E-08	3.45E-10	5.38E-08	1.87E-08	2.94E-08	4.38E-10	4.86E-08	1.06E-08	1.62E-08	1.08E-10	2.70E-08
2712	740797.75	4109478.4	1.16E-07	1.96E-07	2.16E-09	3.15E-07	1.81E-08	3.21E-08	3.24E-10	5.05E-08	1.76E-08	2.76E-08	4.11E-10	4.56E-08	9.98E-09	1.53E-08	1.01E-10	2.53E-08
2713	740821.88	4109443.76	1.09E-07	1.83E-07	2.01E-09	2.93E-07	1.68E-08	3.00E-08	3.02E-10	4.71E-08	1.64E-08	2.58E-08	3.84E-10	4.25E-08	9.30E-09	1.42E-08	9.46E-11	2.36E-08
2714	740846.01	4109409.11	1.01E-07	1.69E-07	1.87E-09	2.72E-07	1.56E-08	2.78E-08	2.80E-10	4.37E-08	1.52E-08	2.39E-08	3.56E-10	3.94E-08	8.63E-09	1.32E-08	8.77E-11	2.19E-08
2715	740870.14	4109374.46	9.32E-08	1.57E-07	1.73E-09	2.52E-07	1.44E-08	2.57E-08	2.59E-10	4.04E-08	1.41E-08	2.21E-08	3.29E-10	3.65E-08	7.98E-09	1.22E-08	8.12E-11	2.03E-08
2716	740894.27	4109339.82	8.64E-08	1.45E-07	1.60E-09	2.33E-07	1.34E-08	2.38E-08	2.40E-10	3.75E-08	1.30E-08	2.05E-08	3.05E-10	3.38E-08	7.40E-09	1.13E-08	7.53E-11	1.88E-08
2717	740918.39	4109305.17	8.06E-08	1.36E-07	1.50E-09	2.18E-07	1.25E-08	2.22E-08	2.24E-10	3.50E-08	1.22E-08	1.91E-08	2.85E-10	3.16E-08	6.91E-09	1.06E-08	7.02E-11	1.75E-08
2718	740942.52	4109270.52	7.60E-08	1.28E-07	1.41E-09	2.05E-07	1.18E-08	2.10E-08	2.11E-10	3.30E-08	1.15E-08	1.80E-08	2.68E-10	2.98E-08	6.51E-09	9.95E-09	6.62E-11	1.65E-08
2719	740966.65	4109235.87	7.25E-08	1.22E-07	1.35E-09	1.96E-07	1.12E-08	2.00E-08	2.02E-10	3.15E-08	1.09E-08	1.72E-08	2.56E-10	2.84E-08	6.21E-09	9.50E-09	6.32E-11	1.58E-08
2720	740990.78	4109201.23	7.01E-08	1.18E-07	1.30E-09	1.89E-07	1.09E-08	1.93E-08	1.95E-10	3.04E-08	1.06E-08	1.66E-08	2.48E-10	2.75E-08	6.01E-09	9.18E-09	6.11E-11	1.53E-08
2721	741014.9	4109166.58	6.86E-08	1.16E-07	1.27E-09	1.85E-07	1.06E-08	1.89E-08	1.91E-10	2.98E-08	1.04E-08	1.63E-08	2.42E-10	2.69E-08	5.88E-09	8.99E-09	5.98E-11	1.49E-08
2722	741039.03	4109131.93	6.79E-08	1.14E-07	1.26E-09	1.83E-07	1.05E-08	1.87E-08	1.89E-10	2.95E-08	1.02E-08	1.61E-08	2.40E-10	2.66E-08	5.82E-09	8.89E-09	5.92E-11	1.48E-08
2723	741063.16	4109097.28	6.76E-08	1.14E-07	1.25E-09	1.83E-07	1.05E-08	1.87E-08	1.88E-10	2.93E-08	1.02E-08	1.61E-08	2.39E-10	2.65E-08	5.79E-09	8.85E-09	5.89E-11	1.47E-08
2724	741087.29	4109062.64	6.75E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.78E-09	8.83E-09	5.88E-11	1.47E-08

2725	741111.42	4109027.99	6.70E-08	1.13E-07	1.24E-09	1.81E-07	1.04E-08	1.85E-08	1.86E-10	2.91E-08	1.01E-08	1.59E-08	2.37E-10	2.63E-08	5.74E-09	8.78E-09	5.84E-11	1.46E-08
2726	741135.54	4108993.34	6.61E-08	1.11E-07	1.23E-09	1.79E-07	1.02E-08	1.82E-08	1.84E-10	2.87E-08	9.97E-09	1.57E-08	2.33E-10	2.59E-08	5.66E-09	8.65E-09	5.76E-11	1.44E-08
2727	741159.67	4108958.7	6.45E-08	1.09E-07	1.20E-09	1.74E-07	1.00E-08	1.78E-08	1.79E-10	2.80E-08	9.73E-09	1.53E-08	2.28E-10	2.53E-08	5.53E-09	8.45E-09	5.62E-11	1.40E-08
2728	741183.8	4108924.05	6.24E-08	1.05E-07	1.16E-09	1.69E-07	9.68E-09	1.72E-08	1.74E-10	2.71E-08	9.41E-09	1.48E-08	2.20E-10	2.44E-08	5.35E-09	8.17E-09	5.44E-11	1.36E-08
2729	741207.93	4108889.4	5.99E-08	1.01E-07	1.11E-09	1.62E-07	9.29E-09	1.65E-08	1.67E-10	2.60E-08	9.04E-09	1.42E-08	2.12E-10	2.35E-08	5.13E-09	7.85E-09	5.22E-11	1.30E-08
2730	741232.05	4108854.75	5.73E-08	9.64E-08	1.06E-09	1.55E-07	8.89E-09	1.58E-08	1.59E-10	2.49E-08	8.64E-09	1.36E-08	2.02E-10	2.24E-08	4.91E-09	7.50E-09	4.99E-11	1.25E-08
2731	740873.15	4110629.38	1.57E-07	2.65E-07	2.92E-09	4.25E-07	2.44E-08	4.34E-08	4.38E-10	6.83E-08	2.37E-08	3.74E-08	5.56E-10	6.17E-08	1.35E-08	2.06E-08	1.37E-10	3.42E-08
2732	740896.04	4110665.38	1.60E-07	2.69E-07	2.97E-09	4.32E-07	2.48E-08	4.41E-08	4.45E-10	6.94E-08	2.41E-08	3.80E-08	5.65E-10	6.27E-08	1.37E-08	2.10E-08	1.39E-10	3.48E-08
2733	740689.25	4110697.81	1.25E-07	2.10E-07	2.31E-09	3.37E-07	1.93E-08	3.44E-08	3.47E-10	5.41E-08	1.88E-08	2.96E-08	4.41E-10	4.89E-08	1.07E-08	1.63E-08	1.09E-10	2.71E-08
2734	740681.88	4110656.06	1.25E-07	2.11E-07	2.32E-09	3.38E-07	1.94E-08	3.45E-08	3.48E-10	5.43E-08	1.89E-08	2.97E-08	4.42E-10	4.90E-08	1.07E-08	1.64E-08	1.09E-10	2.72E-08
2735	740674.5	4110614.3	1.26E-07	2.12E-07	2.34E-09	3.40E-07	1.95E-08	3.47E-08	3.50E-10	5.46E-08	1.90E-08	2.99E-08	4.45E-10	4.93E-08	1.08E-08	1.65E-08	1.10E-10	2.74E-08
2736	740667.13	4110572.55	1.27E-07	2.14E-07	2.36E-09	3.43E-07	1.97E-08	3.51E-08	3.54E-10	5.51E-08	1.92E-08	3.02E-08	4.49E-10	4.98E-08	1.09E-08	1.66E-08	1.11E-10	2.77E-08
2737	740659.76	4110530.79	1.29E-07	2.17E-07	2.39E-09	3.48E-07	2.00E-08	3.55E-08	3.58E-10	5.58E-08	1.94E-08	3.06E-08	4.55E-10	5.04E-08	1.10E-08	1.69E-08	1.12E-10	2.80E-08
2738	740652.38	4110489.04	1.31E-07	2.20E-07	2.42E-09	3.53E-07	2.03E-08	3.60E-08	3.63E-10	5.67E-08	1.97E-08	3.10E-08	4.62E-10	5.12E-08	1.12E-08	1.71E-08	1.14E-10	2.84E-08
2739	740645.01	4110447.28	1.33E-07	2.24E-07	2.47E-09	3.59E-07	2.06E-08	3.67E-08	3.70E-10	5.77E-08	2.01E-08	3.16E-08	4.70E-10	5.21E-08	1.14E-08	1.74E-08	1.16E-10	2.89E-08
2740	740637.64	4110405.53	1.37E-07	2.30E-07	2.53E-09	3.69E-07	2.12E-08	3.77E-08	3.80E-10	5.93E-08	2.06E-08	3.24E-08	4.83E-10	5.35E-08	1.17E-08	1.79E-08	1.19E-10	2.97E-08
2741	740630.26	4110363.77	1.42E-07	2.39E-07	2.64E-09	3.84E-07	2.20E-08	3.92E-08	3.96E-10	6.17E-08	2.14E-08	3.38E-08	5.02E-10	5.57E-08	1.22E-08	1.86E-08	1.24E-10	3.09E-08
2742	740622.89	4110322.02	1.50E-07	2.52E-07	2.78E-09	4.05E-07	2.32E-08	4.14E-08	4.17E-10	6.50E-08	2.26E-08	3.56E-08	5.30E-10	5.87E-08	1.28E-08	1.96E-08	1.31E-10	3.26E-08
2743	740615.52	4110280.26	1.59E-07	2.68E-07	2.95E-09	4.30E-07	2.47E-08	4.39E-08	4.43E-10	6.90E-08	2.40E-08	3.78E-08	5.62E-10	6.23E-08	1.36E-08	2.08E-08	1.39E-10	3.46E-08
2744	740608.14	4110238.51	1.68E-07	2.83E-07	3.12E-09	4.54E-07	2.61E-08	4.64E-08	4.68E-10	7.29E-08	2.53E-08	3.99E-08	5.94E-10	6.58E-08	1.44E-08	2.20E-08	1.46E-10	3.66E-08
2745	740600.77	4110196.75	1.75E-07	2.94E-07	3.24E-09	4.72E-07	2.71E-08	4.82E-08	4.86E-10	7.58E-08	2.64E-08	4.15E-08	6.17E-10	6.85E-08	1.50E-08	2.29E-08	1.52E-10	3.80E-08
2746	740593.4	4110155	1.78E-07	2.99E-07	3.30E-09	4.80E-07	2.76E-08	4.90E-08	4.95E-10	7.71E-08	2.68E-08	4.22E-08	6.28E-10	6.96E-08	1.52E-08	2.33E-08	1.55E-10	3.87E-08
2747	740586.02	4110113.24	1.77E-07	2.97E-07	3.28E-09	4.77E-07	2.74E-08	4.87E-08	4.91E-10	7.66E-08	2.66E-08	4.19E-08	6.24E-10	6.92E-08	1.51E-08	2.31E-08	1.54E-10	3.84E-08
2748	740578.65	4110071.49	1.72E-07	2.89E-07	3.18E-09	4.63E-07	2.66E-08	4.73E-08	4.77E-10	7.44E-08	2.59E-08	4.07E-08	6.06E-10	6.72E-08	1.47E-08	2.25E-08	1.49E-10	3.73E-08
2749	740571.28	4110029.73	1.64E-07	2.76E-07	3.05E-09	4.44E-07	2.55E-08	4.53E-08	4.57E-10	7.12E-08	2.48E-08	3.90E-08	5.80E-10	6.43E-08	1.41E-08	2.15E-08	1.43E-10	3.57E-08
2750	740563.9	4109987.98	1.56E-07	2.62E-07	2.89E-09	4.20E-07	2.41E-08	4.29E-08	4.33E-10	6.75E-08	2.35E-08	3.70E-08	5.50E-10	6.10E-08	1.33E-08	2.04E-08	1.36E-10	3.39E-08
2751	740556.53	4109946.22	1.47E-07	2.48E-07	2.73E-09	3.97E-07	2.28E-08	4.06E-08	4.09E-10	6.38E-08	2.22E-08	3.49E-08	5.20E-10	5.76E-08	1.26E-08	1.93E-08	1.28E-10	3.20E-08
2752	740549.16	4109904.47	1.40E-07	2.35E-07	2.59E-09	3.77E-07	2.16E-08	3.85E-08	3.88E-10	6.05E-08	2.10E-08	3.31E-08	4.93E-10	5.47E-08	1.20E-08	1.83E-08	1.22E-10	3.04E-08
2753	740541.79	4109862.71	1.33E-07	2.25E-07	2.47E-09	3.60E-07	2.07E-08	3.68E-08	3.71E-10	5.79E-08	2.01E-08	3.17E-08	4.71E-10	5.23E-08	1.14E-08	1.75E-08	1.16E-10	2.90E-08
2754	740534.41	4109820.96	1.29E-07	2.17E-07	2.39E-09	3.48E-07	2.00E-08	3.56E-08	3.59E-10	5.60E-08	1.95E-08	3.06E-08	4.56E-10	5.05E-08	1.11E-08	1.69E-08	1.12E-10	2.81E-08
2755	740527.04	4109779.2	1.26E-07	2.12E-07	2.34E-09	3.41E-07	1.96E-08	3.48E-08	3.51E-10	5.47E-08	1.90E-08	2.99E-08	4.45E-10	4.94E-08	1.08E-08	1.65E-08	1.10E-10	2.74E-08
2756	740519.67	4109737.45	1.24E-07	2.09E-07	2.30E-09	3.35E-07	1.93E-08	3.43E-08	3.46E-10	5.39E-08	1.87E-08	2.95E-08	4.39E-10	4.86E-08	1.06E-08	1.63E-08	1.08E-10	2.70E-08
2757	740512.29	4109695.69	1.23E-07	2.06E-07	2.27E-09	3.31E-07	1.90E-08	3.38E-08	3.41E-10	5.32E-08	1.85E-08	2.91E-08	4.33E-10	4.80E-08	1.05E-08	1.60E-08	1.07E-10	2.67E-08
2758	740504.92	4109653.94	1.21E-07	2.03E-07	2.24E-09	3.26E-07	1.87E-08	3.33E-08	3.35E-10	5.23E-08	1.82E-08	2.86E-08	4.26E-10	4.72E-08	1.03E-08	1.58E-08	1.05E-10	2.62E-08
2759	740497.55	4109612.18	1.18E-07	1.98E-07	2.18E-09	3.18E-07	1.82E-08	3.25E-08	3.27E-10	5.10E-08	1.77E-08	2.79E-08	4.16E-10	4.61E-08	1.01E-08	1.54E-08	1.03E-10	2.56E-08
2760	740505.98	4109573.91	1.15E-07	1.94E-07	2.14E-09	3.12E-07	1.79E-08	3.18E-08	3.21E-10	5.00E-08	1.74E-08	2.74E-08	4.07E-10	4.52E-08	9.88E-09	1.51E-08	1.00E-10	2.51E-08
2761	740530.21	4109539.11	1.13E-07	1.90E-07	2.10E-09	3.06E-07	1.75E-08	3.12E-08	3.15E-10	4.91E-08	1.71E-08	2.69E-08	4.00E-10	4.43E-08	9.69E-09	1.48E-08	9.86E-11	2.46E-08
2762	740554.44	4109504.32	1.09E-07	1.84E-07	2.03E-09	2.96E-07	1.70E-08	3.02E-08	3.04E-10	4.75E-08	1.65E-08	2.60E-08	3.86E-10	4.29E-08	9.37E-09	1.43E-08	9.53E-11	2.38E-08
2763	740578.67	4109469.52	1.05E-07	1.76E-07	1.94E-09	2.82E-07	1.62E-08	2.88E-08	2.91E-10	4.54E-08	1.58E-08	2.48E-08	3.69E-10	4.10E-08	8.96E-09	1.37E-08	9.11E-11	2.27E-08
2764	740602.9	4109434.73	9.90E-08	1.67E-07	1.84E-09	2.67E-07	1.54E-08	2.73E-08	2.76E-10	4.30E-08	1.49E-08	2.35E-08	3.50E-10	3.88E-08	8.48E-09	1.30E-08	8.63E-11	2.15E-08
2765	740627.13	4109399.93	9.32E-08	1.57E-07	1.73E-09	2.52E-07	1.45E-08	2.57E-08	2.59E-10	4.04E-08	1.41E-08	2.21E-08	3.29E-10	3.65E-08	7.99E-09	1.22E-08	8.12E-11	2.03E-08
2766	740651.36	4109365.13	8.73E-08	1.47E-07	1.62E-09	2.36E-07	1.35E-08	2.41E-08	2.43E-10	3.79E-08	1.32E-08	2.07E-08	3.08E-10	3.42E-08	7.48E-09	1.14E-08	7.60E-11	1.90E-08
2767	740675.59	4109330.34	8.16E-08	1.37E-07	1.51E-09	2.20E-07	1.27E-08	2.25E-08	2.27E-10	3.54E-08	1.23E-08	1.94E-08	2.88E-10	3.20E-08	6.99E-09	1.07E-08	7.11E-11	1.77E-08
2768	740699.82	4109295.54	7.62E-08	1.28E-07	1.41E-09	2.06E-07	1.18E-08	2.10E-08	2.12E-10	3.30E-08	1.15E-08	1.81E-08	2.69E-10	2.98E-08	6.53E-09	9.98E-09	6.64E-11	1.66E-08
2769	740724.05	4109260.75	7.12E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.09E-08	1.07E-08	1.69E-08	2.51E-10	2.79E-08	6.10E-09	9.32E-09	6.20E-11	1.55E-08
2770	740748.28	4109225.95	6.66E-08	1.12E-07	1.24E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.71E-09	8.72E-09	5.80E-11	1.45E-08
2771	740772.51	4109191.16	6.27E-08	1.05E-07	1.16E-09	1.69E-07	9.72E-09	1.73E-08	1.74E-10	2.72E-08	9.45E-09	1.49E-08	2.21E-10	2.46E-08	5.37E-09	8.21E-09	5.46E-11	1.36E-08
2772	740796.75	4109156.36	5.95E-08	1.00E-07	1.10E-09	1.61E-07	9.22E-09	1.64E-08	1.65E-10	2.58E-08	8.97E-09	1.41E-08	2.10E-10	2.33E-08	5.10E-09	7.79E-09	5.18E-11	1.29E-08
2773	740820.98	4109121.57	5.71E-08	9.60E-08	1.06E-09	1.54E-07	8.85E-09	1.57E-08	1.59E-10	2.48E-08	8.60E-09	1.35E-08	2.02E-10	2.24E-08	4.89E-09	7.47E-09	4.97E-11	1.24E-08
2774	740845.21	4109086.77	5.54E-08	9.33E-08	1.03E-09	1.50E-07	8.60E-09	1.53E-08	1.54E-10	2.40E-08	8.36E-09	1.32E-08	1.96E-10	2.17E-08	4.75E-09	7.26E-09	4.83E-11	1.21E-08
2775	740869.44	4109051.98	5.45E-08	9.17E-08	1.01E-09	1.47E-07	8.45E-09	1.50E-08	1.52E-10	2.36E-08	8.22E-09	1.29E-08	1.93E-10	2.14E-08	4.67E-09	7.14E-09	4.75E-11	1.19E-08
2776	740893.67	4109017.18	5.42E-08	9.12E-08	1.01E-09	1.46E-07	8.40E-09	1.50E-08	1.51E-10	2.35E-08	8.17E-09	1.29E-08	1.91E-10	2.12E-08	4.64E-09	7.10E-09	4.72E-11	1.18E-08
2777	740917.9	4108982.39	5.43E-08	9.14E-08	1.01E-09	1.47E-07	8.42E-09	1.50E-08	1.51E-10	2.35E-08	8.19E-09	1.29E-08	1.92E-10	2.13E-08	4.65E-09	7.11E-09	4.73E-11	1.18E-08
2778	740942.13	4108947.59	5.46E-08	9.18E-08	1.01E-09	1.47E-07	8.46E-09	1.51E-08	1.52E-10	2.37E-08	8.23E-09	1.30E-08	1.93E-10	2.14E-08	4.67E-09	7.14E-09	4.75E-11	1.19E-08
2779	740966.36	4108912.8	5.47E-08	9.21E-08	1.01E-09	1.48E-07	8.48E-09	1.51E-08	1.52E-10	2.37E-08	8.25E-09	1.30E-08	1.93E-10	2.14E-08	4.69E-09	7.16E-09	4.77E-11	1.19E-08
2780	740990.59	4108878	5.45E-08	9.18E-08	1.01E-09	1.47E-07	8.46E-09	1.50E-08	1.52E-10	2.37E-08	8.23E-09	1.29E-08	1.93E-10	2.14E-08	4.67E-09	7.14E-09	4.75E-11	1.19E-08
2781	741014.82	4108843.21	5.40E-08	9.08E-08	1.00E-09	1.46E-07	8.37E-09	1.49E-08	1.50E-10	2.34E-08	8.14E-09	1.28E-08	1.91E-10	2.11E-08	4.62E-09	7.07E-09	4.70E-11	1.17E-08
2782	741039.05	4108808.41	5.28E-08	8.89E-08	9.79E-10	1.43E-07	8.19E-09	1.46E-08	1.47E-10	2.29E-08	7.96E-09	1.25E-08	1.87E-10	2.07E-08	4.52E-09	6.91E-09	4.60E-11	1.15E-08
2783	741063.28	4108773.61	5.12E-08	8.61E-08	9.49E-10	1.38E-07	7.94E-09	1.41E-08	1.42E-10	2.22E-08	7.72E-09	1.22E-08	1.81E-10	2.00E-08	4.39E-09	6.70E-09	4.46E-11	1.11E-08
2784	741087.52	4108738.82	4.93E-08	8.29E-08	9.14E-10	1.33E-07	7.64E-09	1.36E-08	1.37E-10	2.14E-08	7.43E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.45E-09	4.29E-11	1.07E-08
2785	741111.75	4108704.02	4.72E-08	7.94E-08	8.75E-10	1.27E-07	7.31E-09	1.30E-08	1.31E-10	2.05E-08	7.11E-09	1.12E-08	1.67E-10	1.85E-08	4.04E-09	6.17E-09	4.11E-11	1.03E-08
2786	740704.38	4110736.69	1.26E-07	2.11E-07	2.33E-09	3.39E-07	1.95E-08	3.46E-08	3.49E-10	5.44E-08	1.89E-08	2.98E-08	4.43E-10	4.92E-08	1.08E-08	1.64E-08	1.09E-10	2.73E-08
2787	740727.26	4110772.68	1.27E-07	2.14E-07	2.36E-09	3.44E-07	1.97E-08	3.51E-08	3.54E-10	5.52E-08	1.92E-08	3.02E-08	4.50E-10	4.99E-08	1.09E-08	1.67E-08	1.11E-10	2.77E-08
2788	740351.67	4110912.3	8.67E-08	1.46E-07	1.61E-09	2.34E-07	1.34E-08	2.39E-08	2.41E-10	3.76E-08	1.31E-08	2.06E-08	3.06E-10	3.39E-08	7.43E-09	1.13E-08	7.55E-11	1.88E-08
2789	740344.26	4110870.3	8.68E-08	1.46E-07	1.61E-09	2.35E-07	1.35E-08	2.40E-08	2.42E-10	3.77E-08	1.31E-08	2.06E-08	3.07E-10	3.40E-08	7.44E-09	1.14E-08	7.56E-11	1.89E-08
2790	740336.84	4110828.3	8.70E-08	1.46E-07	1.61E-09	2.35E-07	1.35E-08	2.40E-08	2.42E-10	3.77E-08	1.31E-08	2.07E-08	3.07E-10	3.41E-08	7.45E-09	1.14E-08	7.58E-11	1.89E-08
2791	740329.42	4110786.3	8.73E-08	1.47E-07	1.62E-09	2.36E-07	1.35E-08	2.41E-08	2.43E-10	3.79E-08	1.32E-08	2.07E-08	3.08E-10	3.42E-08	7.48E-09	1.14E-08	7.61E-11	1.90E-08
2792	740322.01	4110744.3	8.79E-08	1.48E-07	1.63E-09	2.37E-07	1.36E-08	2.42E-08	2.45E-10	3.81E-08	1.33E-08	2.09E-08	3.10E-10	3.44E-08	7.53E-09	1.15E-08	7.66E-11	1.91E-08
2793	740314.59	4110702.3	8.87E-08	1.49E-07	1.65E-09	2.40E-07	1.38E-08	2.45E-08	2.47E-10	3.85E-08	1.34E-08	2.11E-08	3.13E-10	3.48E-08	7.60E-09	1.16E-08	7.73E-11	1.93E-08
2794	740307.17	4110660.3	8.97E-08	1.51E-07	1.66E-09	2.42E-07	1.39E-08	2.48E-08	2.50E-10	3.89E-08	1.35E-08	2.13E-08	3.17E-10	3.51E-08	7.69E-09	1.17E-08	7.82E-11	1.95E-08
2795	740299.76	4110618.3	9.07E-08	1.53E-07	1.68E-09	2.45E-07	1.41E-08	2.50E-08	2.52E-10	3.94E-08	1.37E-08	2.15E-08	3.21E-10	3.55E-08	7.78E-09	1.19E-08	7.91E-11	1.97E-08
2796	740292.34	4110576.29	9.18E-08	1.55E-07	1.70E-09	2.48E-07	1.42E-08	2.53E-08	2.55E-10	3.98E-08	1.38E-08	2.18E-08	3.24E-10	3.60E-08	7.87E-09	1.20E-08	8.00E-11	2.00E-08
2797	740284.92	4110534.29	9.32E-08	1.57E-07	1.73E-09	2.52E-07	1.45E-08	2.57E-08	2.59E-10	4.04E-08	1.41E-08	2.21E-08	3.29E-10	3.65E-08	7.98E-09	1.22E-08	8.12E-11	2.03E-08
2798	740277.51	4110492.29	9.53E-08	1.60E-07	1.77E-09	2.57E-07	1.48E-08	2.63E-08	2.65E-10	4.13E-08	1.44E-08	2.26E-08	3.37E-10	3.73E-08	8.16E-09	1.25E-08	8.30E-11	2.07E-08
2799	740270.09	4110450.29	9.86E-08	1.66E-07	1.83E-09	2.66E-07	1.53E-08	2.72E-08	2.74E-10	4.28E-08	1.49E-08	2.34E-08	3.48E-10	3.86E-08	8.45E-09	1.29E-08	8.59E-11	2.14E-08
2800	740262.68	4110408.29	1.03E-07	1.74E-07	1.91E-09	2.79E-07	1.60E-08	2.85E-08	2.87E-10	4.48E-08	1.56E-08	2.45E-08	3.65E-10	4.04E-08	8.85E-09	1.35E-08	8.99E-11	2.25E-08
2801	740255.26	4110366.29	1.09E-07	1.83E-07	2.02E-09	2.94E-07	1.69E-08	3.01E-08	3.03E-10	4.73E-08	1.64E-08	2.59E-08	3.85E-10	4.27E-08	9.34E-09	1.43E-08	9.49E-11	2.37E-08
2802	740247.84	4110324.29	1.15E-07	1.94E-07	2.13E-09	3.11E-07	1.78E-08	3.17E-08	3.20E-10	4.99E-08	1.73E-08	2.73E-08	4.06E-10	4.50E-08	9.85E-09	1.51E-08	1.00E-10	2.50E-08
2803	740240.43	4110282.29	1.20E-07	2.03E-07	2.23E-09	3.25E-07	1.87E-08	3.32E-08	3.35E-10	5.22E-08	1.82E-08	2.86E-08	4.25E-10	4.72E-08	1.03E-08	1.58E-08	1.05E-10	2.62E-08
2804	740233.01	4110240.29	1.24E-07	2.09E-07	2.30E-09	3.36E-07	1.93E-08	3.43E-08	3.46E-10	5.39E-08	1.87E-08	2.95E-08	4.39E-10	4.87E-08	1.06E-08	1.63E-08	1.08E-10	2.70E-08
2805	740225.59	4110198.29	1.26E-07	2.12E-07	2.34E-09	3.40E-07	1.95E-08	3.47E-08	3.50E-10	5.46E-08	1.90E-08	2.99E-08	4.45E-10	4.93E-08	1.08E-08	1.65E-08	1.10E-10	2.74E-08
2806	740218.18	4110156.29	1.25E-07	2.11E-07	2.33E-09	3.39E-07	1.94E-08	3.46E-08	3.49E-10	5.44E-08	1.89E-08	2.98E-08	4.43E-10	4.91E-08	1.07E-08	1.64E-08	1.09E-10	2.73E-08
2807	740210.76	4110114.29	1.23E-07	2.07E-07	2.28E-09	3.32E-07	1.90E-08	3.39E-08	3.42E-10	5.33E-08	1.85E-08	2.92E-08	4.34E-10	4.81E-08	1.05E-08	1.61E-08	1.07E-10	2.67E-08
2808	740203.34	4110072.29	1.19E-07	2.00E-07	2.20E-09	3.21E-07	1.84E-08	3.28E-08	3.30E-10	5.15E-08	1.79E-08	2.82E-08	4.19E-10	4.65E-08	1.02E-08	1.55E-08	1.03E-10	2.58E-08
2809	740195.93	4110030.29	1.14E-07	1.92E-07	2.11E-09	3.08E-07	1.77E-08	3.14E-08	3.17E-10	4.94E-08	1.72E-08	2.70E-08	4.02E-10	4.46E-08	9.75E-09	1.49E-08	9.92E-11	2.48E-08
2810	740188.51	4109988.29	1.09E-07	1.83E-07	2.01E-09	2.93E-07	1.68E-08	2.99E-08	3.02E-10	4.71E-08	1.64E-08	2.58E-08	3.83E-10	4.25E-08	9.30E-09	1.42E-08	9.45E-11	2.36E-08
2811	740181.09	4109946.29	1.03E-07	1.74E-07	1.92E-09	2.79E-07	1.60E-08	2.85E-08	2.87E-10	4.48E-08	1.56E-08	2.45E-08	3.65E-10	4.05E-08	8.85E-09	1.35E-08	9.00E-11	2.25E-08
2812	740173.68	4109904.28	9.84E-08	1.66E-07	1.83E-09	2.66E-07	1.53E-08	2.71E-08	2.74E-10	4.27E-08	1.48E-08	2.34E-08	3.48E-10	3.85E-08	8.43E-09	1.29E-08	8.57E-11	2.14E-08

2813	740166.26	4109862.28	9.42E-08	1.59E-07	1.75E-09	2.54E-07	1.46E-08	2.60E-08	2.62E-10	4.09E-08	1.42E-08	2.24E-08	3.33E-10	3.69E-08	8.07E-09	1.23E-08	8.21E-11	2.05E-08
2814	740158.84	4109820.28	9.09E-08	1.53E-07	1.69E-09	2.45E-07	1.41E-08	2.51E-08	2.53E-10	3.94E-08	1.37E-08	2.16E-08	3.21E-10	3.56E-08	7.79E-09	1.19E-08	7.92E-11	1.98E-08
2815	740151.43	4109778.28	8.85E-08	1.49E-07	1.64E-09	2.39E-07	1.37E-08	2.44E-08	2.46E-10	3.84E-08	1.33E-08	2.10E-08	3.13E-10	3.47E-08	7.58E-09	1.16E-08	7.71E-11	1.92E-08
2816	740144.01	4109736.28	8.70E-08	1.46E-07	1.61E-09	2.35E-07	1.35E-08	2.40E-08	2.42E-10	3.77E-08	1.31E-08	2.07E-08	3.07E-10	3.41E-08	7.46E-09	1.14E-08	7.58E-11	1.89E-08
2817	740136.59	4109694.28	8.63E-08	1.45E-07	1.60E-09	2.33E-07	1.34E-08	2.38E-08	2.40E-10	3.74E-08	1.30E-08	2.05E-08	3.05E-10	3.38E-08	7.39E-09	1.13E-08	7.52E-11	1.88E-08
2818	740129.18	4109652.28	8.59E-08	1.45E-07	1.59E-09	2.32E-07	1.33E-08	2.37E-08	2.39E-10	3.73E-08	1.30E-08	2.04E-08	3.03E-10	3.37E-08	7.36E-09	1.12E-08	7.48E-11	1.87E-08
2819	740121.76	4109610.28	8.56E-08	1.44E-07	1.59E-09	2.31E-07	1.33E-08	2.36E-08	2.38E-10	3.71E-08	1.29E-08	2.03E-08	3.02E-10	3.35E-08	7.33E-09	1.12E-08	7.46E-11	1.86E-08
2820	740114.34	4109568.28	8.50E-08	1.43E-07	1.58E-09	2.30E-07	1.32E-08	2.35E-08	2.37E-10	3.69E-08	1.28E-08	2.02E-08	3.00E-10	3.33E-08	7.28E-09	1.11E-08	7.41E-11	1.85E-08
2821	740106.93	4109526.28	8.39E-08	1.41E-07	1.56E-09	2.27E-07	1.30E-08	2.31E-08	2.33E-10	3.64E-08	1.26E-08	1.99E-08	2.96E-10	3.29E-08	7.19E-09	1.10E-08	7.31E-11	1.82E-08
2822	740115.41	4109487.78	8.31E-08	1.40E-07	1.54E-09	2.24E-07	1.29E-08	2.29E-08	2.31E-10	3.60E-08	1.25E-08	1.97E-08	2.93E-10	3.25E-08	7.12E-09	1.09E-08	7.24E-11	1.81E-08
2823	740139.78	4109452.78	8.23E-08	1.39E-07	1.53E-09	2.22E-07	1.28E-08	2.27E-08	2.29E-10	3.57E-08	1.24E-08	1.96E-08	2.91E-10	3.23E-08	7.06E-09	1.08E-08	7.17E-11	1.79E-08
2824	740164.15	4109417.78	8.07E-08	1.36E-07	1.50E-09	2.18E-07	1.25E-08	2.23E-08	2.25E-10	3.50E-08	1.22E-08	1.92E-08	2.85E-10	3.16E-08	6.91E-09	1.06E-08	7.03E-11	1.76E-08
2825	740188.53	4109382.78	7.82E-08	1.32E-07	1.45E-09	2.11E-07	1.21E-08	2.16E-08	2.18E-10	3.39E-08	1.18E-08	1.86E-08	2.76E-10	3.06E-08	6.70E-09	1.02E-08	6.81E-11	1.70E-08
2826	740212.9	4109347.78	7.50E-08	1.26E-07	1.39E-09	2.03E-07	1.16E-08	2.07E-08	2.09E-10	3.25E-08	1.13E-08	1.78E-08	2.65E-10	2.94E-08	6.43E-09	9.83E-09	6.54E-11	1.63E-08
2827	740237.27	4109312.78	7.15E-08	1.20E-07	1.33E-09	1.93E-07	1.11E-08	1.97E-08	1.99E-10	3.10E-08	1.08E-08	1.70E-08	2.53E-10	2.80E-08	6.12E-09	9.36E-09	6.23E-11	1.55E-08
2828	740261.65	4109277.78	6.78E-08	1.14E-07	1.26E-09	1.83E-07	1.05E-08	1.87E-08	1.89E-10	2.94E-08	1.02E-08	1.61E-08	2.39E-10	2.66E-08	5.81E-09	8.88E-09	5.91E-11	1.47E-08
2829	740286.02	4109242.78	6.42E-08	1.08E-07	1.19E-09	1.73E-07	9.95E-09	1.77E-08	1.79E-10	2.78E-08	9.67E-09	1.52E-08	2.27E-10	2.51E-08	5.50E-09	8.40E-09	5.59E-11	1.40E-08
2830	740310.39	4109207.78	6.07E-08	1.02E-07	1.13E-09	1.64E-07	9.42E-09	1.68E-08	1.69E-10	2.63E-08	9.16E-09	1.44E-08	2.15E-10	2.38E-08	5.20E-09	7.95E-09	5.29E-11	1.32E-08
2831	740334.77	4109172.78	5.75E-08	9.68E-08	1.07E-09	1.55E-07	8.92E-09	1.59E-08	1.60E-10	2.49E-08	8.67E-09	1.37E-08	2.03E-10	2.25E-08	4.93E-09	7.53E-09	5.01E-11	1.25E-08
2832	740359.14	4109137.78	5.44E-08	9.16E-08	1.01E-09	1.47E-07	8.44E-09	1.50E-08	1.51E-10	2.36E-08	8.21E-09	1.29E-08	1.92E-10	2.13E-08	4.67E-09	7.13E-09	4.74E-11	1.18E-08
2833	740383.51	4109102.78	5.15E-08	8.67E-08	9.56E-10	1.39E-07	7.99E-09	1.42E-08	1.43E-10	2.23E-08	7.77E-09	1.22E-08	1.82E-10	2.02E-08	4.41E-09	6.75E-09	4.49E-11	1.12E-08
2834	740407.89	4109067.78	4.87E-08	8.20E-08	9.04E-10	1.32E-07	7.56E-09	1.34E-08	1.36E-10	2.11E-08	7.35E-09	1.16E-08	1.72E-10	1.91E-08	4.18E-09	6.38E-09	4.25E-11	1.06E-08
2835	740432.26	4109032.78	4.61E-08	7.76E-08	8.56E-10	1.25E-07	7.15E-09	1.27E-08	1.28E-10	2.00E-08	6.96E-09	1.10E-08	1.63E-10	1.81E-08	3.95E-09	6.04E-09	4.02E-11	1.00E-08
2836	740456.63	4108997.78	4.37E-08	7.35E-08	8.10E-10	1.18E-07	6.77E-09	1.21E-08	1.22E-10	1.89E-08	6.59E-09	1.04E-08	1.54E-10	1.71E-08	3.74E-09	5.72E-09	3.81E-11	9.50E-09
2837	740481.01	4108962.78	4.15E-08	6.99E-08	7.70E-10	1.12E-07	6.44E-09	1.15E-08	1.16E-10	1.80E-08	6.26E-09	9.86E-09	1.47E-10	1.63E-08	3.56E-09	5.44E-09	3.62E-11	9.03E-09
2838	740505.38	4108927.78	3.97E-08	6.69E-08	7.37E-10	1.07E-07	6.16E-09	1.10E-08	1.11E-10	1.72E-08	5.99E-09	9.43E-09	1.40E-10	1.56E-08	3.40E-09	5.20E-09	3.46E-11	8.64E-09
2839	740529.75	4108892.78	3.84E-08	6.46E-08	7.12E-10	1.04E-07	5.95E-09	1.06E-08	1.07E-10	1.67E-08	5.79E-09	9.12E-09	1.36E-10	1.50E-08	3.29E-09	5.03E-09	3.35E-11	8.35E-09
2840	740554.13	4108857.78	3.76E-08	6.32E-08	6.97E-10	1.01E-07	5.82E-09	1.04E-08	1.04E-10	1.63E-08	5.66E-09	8.92E-09	1.33E-10	1.47E-08	3.22E-09	4.92E-09	3.27E-11	8.17E-09
2841	740578.5	4108822.78	3.72E-08	6.26E-08	6.90E-10	1.01E-07	5.77E-09	1.03E-08	1.04E-10	1.61E-08	5.61E-09	8.83E-09	1.31E-10	1.46E-08	3.19E-09	4.87E-09	3.24E-11	8.09E-09
2842	740602.87	4108787.78	3.72E-08	6.26E-08	6.90E-10	1.01E-07	5.77E-09	1.03E-08	1.04E-10	1.61E-08	5.61E-09	8.83E-09	1.31E-10	1.46E-08	3.19E-09	4.87E-09	3.24E-11	8.09E-09
2843	740627.25	4108752.78	3.75E-08	6.31E-08	6.96E-10	1.01E-07	5.82E-09	1.03E-08	1.04E-10	1.63E-08	5.66E-09	8.90E-09	1.32E-10	1.47E-08	3.21E-09	4.91E-09	3.27E-11	8.16E-09
2844	740651.62	4108717.78	3.79E-08	6.38E-08	7.04E-10	1.02E-07	5.88E-09	1.05E-08	1.06E-10	1.65E-08	5.72E-09	9.01E-09	1.34E-10	1.49E-08	3.25E-09	4.97E-09	3.31E-11	8.25E-09
2845	740675.99	4108682.78	3.84E-08	6.46E-08	7.12E-10	1.04E-07	5.96E-09	1.06E-08	1.07E-10	1.67E-08	5.79E-09	9.12E-09	1.36E-10	1.50E-08	3.29E-09	5.03E-09	3.35E-11	8.35E-09
2846	740700.37	4108647.78	3.88E-08	6.52E-08	7.19E-10	1.05E-07	6.01E-09	1.07E-08	1.08E-10	1.68E-08	5.84E-09	9.20E-09	1.37E-10	1.52E-08	3.32E-09	5.07E-09	3.38E-11	8.43E-09
2847	740724.74	4108612.78	3.89E-08	6.55E-08	7.21E-10	1.05E-07	6.03E-09	1.07E-08	1.08E-10	1.69E-08	5.87E-09	9.23E-09	1.37E-10	1.52E-08	3.33E-09	5.09E-09	3.39E-11	8.46E-09
2848	740749.11	4108577.78	3.88E-08	6.53E-08	7.19E-10	1.05E-07	6.01E-09	1.07E-08	1.08E-10	1.68E-08	5.85E-09	9.21E-09	1.37E-10	1.52E-08	3.32E-09	5.08E-09	3.38E-11	8.43E-09
2849	740773.49	4108542.78	3.84E-08	6.46E-08	7.12E-10	1.04E-07	5.95E-09	1.06E-08	1.07E-10	1.67E-08	5.79E-09	9.11E-09	1.36E-10	1.50E-08	3.29E-09	5.03E-09	3.34E-11	8.35E-09
2850	740797.86	4108507.78	3.77E-08	6.34E-08	6.99E-10	1.02E-07	5.85E-09	1.04E-08	1.05E-10	1.63E-08	5.68E-09	8.95E-09	1.33E-10	1.48E-08	3.23E-09	4.94E-09	3.28E-11	8.20E-09
2851	740822.23	4108472.78	3.67E-08	6.18E-08	6.81E-10	9.92E-08	5.69E-09	1.01E-08	1.02E-10	1.59E-08	5.54E-09	8.72E-09	1.30E-10	1.44E-08	3.15E-09	4.81E-09	3.20E-11	7.99E-09
2852	740846.61	4108437.78	3.55E-08	5.98E-08	6.59E-10	9.60E-08	5.51E-09	9.80E-09	9.88E-11	1.54E-08	5.36E-09	8.43E-09	1.25E-10	1.39E-08	3.04E-09	4.65E-09	3.09E-11	7.73E-09
2853	740870.98	4108402.78	3.42E-08	5.75E-08	6.34E-10	9.23E-08	5.30E-09	9.43E-09	9.51E-11	1.48E-08	5.15E-09	8.11E-09	1.21E-10	1.34E-08	2.93E-09	4.47E-09	2.98E-11	7.43E-09
2854	740895.35	4108367.78	3.28E-08	5.51E-08	6.08E-10	8.85E-08	5.08E-09	9.04E-09	9.11E-11	1.42E-08	4.94E-09	7.78E-09	1.16E-10	1.28E-08	2.81E-09	4.29E-09	2.85E-11	7.13E-09
2855	740366.82	4110951.3	8.70E-08	1.46E-07	1.61E-09	2.35E-07	1.35E-08	2.40E-08	2.42E-10	3.78E-08	1.31E-08	2.07E-08	3.07E-10	3.41E-08	7.46E-09	1.14E-08	7.58E-11	1.89E-08
2856	740389.71	4110987.29	8.79E-08	1.48E-07	1.63E-09	2.38E-07	1.36E-08	2.43E-08	2.45E-10	3.81E-08	1.33E-08	2.09E-08	3.11E-10	3.44E-08	7.53E-09	1.15E-08	7.66E-11	1.91E-08
2857	740014.15	4111127.08	6.49E-08	1.09E-07	1.20E-09	1.75E-07	1.01E-08	1.79E-08	1.81E-10	2.81E-08	9.79E-09	1.54E-08	2.29E-10	2.54E-08	5.56E-09	8.50E-09	5.65E-11	1.41E-08
2858	740006.8	4111085.43	6.51E-08	1.09E-07	1.21E-09	1.76E-07	1.01E-08	1.79E-08	1.81E-10	2.82E-08	9.81E-09	1.54E-08	2.30E-10	2.55E-08	5.57E-09	8.52E-09	5.67E-11	1.42E-08
2859	739999.44	4111043.77	6.52E-08	1.10E-07	1.21E-09	1.76E-07	1.01E-08	1.80E-08	1.81E-10	2.83E-08	9.83E-09	1.55E-08	2.30E-10	2.55E-08	5.58E-09	8.53E-09	5.68E-11	1.42E-08
2860	739992.08	4111002.12	6.52E-08	1.10E-07	1.21E-09	1.76E-07	1.01E-08	1.80E-08	1.81E-10	2.83E-08	9.84E-09	1.55E-08	2.30E-10	2.56E-08	5.59E-09	8.54E-09	5.68E-11	1.42E-08
2861	739984.73	4110960.47	6.53E-08	1.10E-07	1.21E-09	1.77E-07	1.01E-08	1.80E-08	1.82E-10	2.83E-08	9.85E-09	1.55E-08	2.31E-10	2.56E-08	5.60E-09	8.56E-09	5.69E-11	1.42E-08
2862	739977.37	4110918.81	6.56E-08	1.10E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.83E-10	2.85E-08	9.89E-09	1.56E-08	2.32E-10	2.57E-08	5.62E-09	8.59E-09	5.72E-11	1.43E-08
2863	739970.02	4110877.16	6.60E-08	1.11E-07	1.22E-09	1.78E-07	1.02E-08	1.82E-08	1.84E-10	2.86E-08	9.96E-09	1.57E-08	2.33E-10	2.59E-08	5.66E-09	8.65E-09	5.75E-11	1.44E-08
2864	739962.66	4110835.5	6.66E-08	1.12E-07	1.24E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.71E-09	8.73E-09	5.80E-11	1.45E-08
2865	739955.31	4110793.85	6.73E-08	1.13E-07	1.25E-09	1.82E-07	1.04E-08	1.86E-08	1.87E-10	2.92E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.77E-09	8.81E-09	5.86E-11	1.46E-08
2866	739947.95	4110752.19	6.80E-08	1.14E-07	1.26E-09	1.84E-07	1.05E-08	1.88E-08	1.89E-10	2.95E-08	1.02E-08	1.61E-08	2.40E-10	2.66E-08	5.82E-09	8.90E-09	5.92E-11	1.48E-08
2867	739940.6	4110710.54	6.85E-08	1.15E-07	1.27E-09	1.85E-07	1.06E-08	1.89E-08	1.91E-10	2.97E-08	1.03E-08	1.63E-08	2.42E-10	2.69E-08	5.87E-09	8.98E-09	5.97E-11	1.49E-08
2868	739933.24	4110668.89	6.91E-08	1.16E-07	1.28E-09	1.87E-07	1.07E-08	1.91E-08	1.92E-10	3.00E-08	1.04E-08	1.64E-08	2.44E-10	2.71E-08	5.92E-09	9.05E-09	6.02E-11	1.50E-08
2869	739925.89	4110627.23	6.99E-08	1.18E-07	1.30E-09	1.89E-07	1.08E-08	1.93E-08	1.95E-10	3.03E-08	1.05E-08	1.66E-08	2.47E-10	2.74E-08	5.99E-09	9.16E-09	6.09E-11	1.52E-08
2870	739918.53	4110585.58	7.12E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.09E-08	1.07E-08	1.69E-08	2.52E-10	2.79E-08	6.10E-09	9.32E-09	6.20E-11	1.55E-08
2871	739911.18	4110543.92	7.32E-08	1.23E-07	1.36E-09	1.98E-07	1.14E-08	2.02E-08	2.04E-10	3.18E-08	1.10E-08	1.74E-08	2.59E-10	2.87E-08	6.27E-09	9.59E-09	6.38E-11	1.59E-08
2872	739903.82	4110502.27	7.61E-08	1.28E-07	1.41E-09	2.05E-07	1.18E-08	2.10E-08	2.12E-10	3.30E-08	1.15E-08	1.81E-08	2.69E-10	2.98E-08	6.52E-09	9.96E-09	6.63E-11	1.65E-08
2873	739896.46	4110460.61	7.97E-08	1.34E-07	1.48E-09	2.15E-07	1.24E-08	2.20E-08	2.22E-10	3.46E-08	1.20E-08	1.89E-08	2.81E-10	3.12E-08	6.83E-09	1.04E-08	6.94E-11	1.73E-08
2874	739889.11	4110418.96	8.37E-08	1.41E-07	1.55E-09	2.26E-07	1.30E-08	2.31E-08	2.33E-10	3.63E-08	1.26E-08	1.99E-08	2.96E-10	3.28E-08	7.17E-09	1.10E-08	7.29E-11	1.82E-08
2875	739881.75	4110377.3	8.78E-08	1.48E-07	1.63E-09	2.37E-07	1.36E-08	2.42E-08	2.44E-10	3.81E-08	1.32E-08	2.08E-08	3.10E-10	3.44E-08	7.52E-09	1.15E-08	7.65E-11	1.91E-08
2876	739874.4	4110335.65	9.13E-08	1.54E-07	1.69E-09	2.47E-07	1.42E-08	2.52E-08	2.54E-10	3.96E-08	1.38E-08	2.17E-08	3.23E-10	3.58E-08	7.83E-09	1.20E-08	7.96E-11	1.99E-08
2877	739867.04	4110294	9.40E-08	1.58E-07	1.74E-09	2.54E-07	1.46E-08	2.59E-08	2.61E-10	4.08E-08	1.42E-08	2.23E-08	3.32E-10	3.68E-08	8.05E-09	1.23E-08	8.19E-11	2.04E-08
2878	739859.69	4110252.34	9.53E-08	1.60E-07	1.77E-09	2.57E-07	1.48E-08	2.63E-08	2.65E-10	4.13E-08	1.44E-08	2.26E-08	3.37E-10	3.73E-08	8.17E-09	1.25E-08	8.30E-11	2.07E-08
2879	739852.33	4110210.69	9.52E-08	1.60E-07	1.77E-09	2.57E-07	1.48E-08	2.63E-08	2.65E-10	4.13E-08	1.44E-08	2.26E-08	3.36E-10	3.73E-08	8.16E-09	1.25E-08	8.30E-11	2.07E-08
2880	739844.98	4110169.03	9.39E-08	1.58E-07	1.74E-09	2.54E-07	1.46E-08	2.59E-08	2.61E-10	4.08E-08	1.42E-08	2.23E-08	3.32E-10	3.68E-08	8.05E-09	1.23E-08	8.18E-11	2.04E-08
2881	739837.62	4110127.38	9.17E-08	1.54E-07	1.70E-09	2.48E-07	1.42E-08	2.53E-08	2.55E-10	3.98E-08	1.38E-08	2.18E-08	3.24E-10	3.59E-08	7.86E-09	1.20E-08	7.99E-11	1.99E-08
2882	739830.27	4110085.72	8.88E-08	1.49E-07	1.65E-09	2.40E-07	1.38E-08	2.45E-08	2.47E-10	3.85E-08	1.34E-08	2.11E-08	3.14E-10	3.48E-08	7.61E-09	1.16E-08	7.74E-11	1.93E-08
2883	739822.91	4110044.07	8.56E-08	1.44E-07	1.59E-09	2.31E-07	1.33E-08	2.36E-08	2.38E-10	3.71E-08	1.29E-08	2.03E-08	3.02E-10	3.35E-08	7.33E-09	1.12E-08	7.45E-11	1.86E-08
2884	739815.56	4110002.41	8.21E-08	1.38E-07	1.52E-09	2.22E-07	1.27E-08	2.27E-08	2.28E-10	3.56E-08	1.24E-08	1.95E-08	2.90E-10	3.22E-08	7.04E-09	1.08E-08	7.15E-11	1.79E-08
2885	739808.2	4109960.76	7.87E-08	1.32E-07	1.46E-09	2.13E-07	1.22E-08	2.17E-08	2.19E-10	3.41E-08	1.19E-08	1.87E-08	2.78E-10	3.08E-08	6.74E-09	1.03E-08	6.85E-11	1.71E-08
2886	739800.84	4109919.11	7.54E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.08E-08	2.10E-10	3.27E-08	1.14E-08	1.79E-08	2.66E-10	2.95E-08	6.46E-09	9.87E-09	6.57E-11	1.64E-08
2887	739793.49	4109877.45	7.23E-08	1.22E-07	1.34E-09	1.95E-07	1.12E-08	2.00E-08	2.01E-10	3.14E-08	1.09E-08	1.72E-08	2.55E-10	2.83E-08	6.20E-09	9.47E-09	6.30E-11	1.57E-08
2888	739786.13	4109835.8	6.97E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.94E-10	3.02E-08	1.05E-08	1.65E-08	2.46E-10	2.73E-08	5.97E-09	9.12E-09	6.07E-11	1.52E-08
2889	739778.78	4109794.14	6.75E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.78E-09	8.83E-09	5.88E-11	1.47E-08
2890	739771.42	4109752.49	6.58E-08	1.11E-07	1.22E-09	1.78E-07	1.02E-08	1.82E-08	1.83E-10	2.86E-08	9.93E-09	1.56E-08	2.33E-10	2.58E-08	5.64E-09	8.62E-09	5.73E-11	1.43E-08
2891	739764.07	4109710.83	6.47E-08	1.09E-07	1.20E-09	1.75E-07	1.00E-08	1.79E-08	1.80E-10	2.81E-08	9.76E-09	1.54E-08	2.29E-10	2.54E-08	5.55E-09	8.48E-09	5.64E-11	1.41E-08
2892	739756.71	4109669.18	6.41E-08	1.08E-07	1.19E-09	1.73E-07	9.95E-09	1.77E-08	1.78E-10	2.78E-08	9.67E-09	1.52E-08	2.27E-10	2.51E-08	5.50E-09	8.40E-09	5.59E-11	1.40E-08
2893	739749.36	4109627.52	6.39E-08	1.08E-07	1.19E-09	1.73E-07	9.92E-09	1.76E-08	1.78E-10	2.77E-08	9.64E-09	1.52E-08	2.26E-10	2.51E-08	5.48E-09	8.37E-09	5.57E-11	1.39E-08
2894	739742	4109585.87	6.40E-08	1.08E-07	1.19E-09	1.73E-07	9.92E-09	1.77E-08	1.78E-10	2.78E-08	9.65E-09	1.52E-08	2.26E-10	2.51E-08	5.48E-09	8.38E-09	5.57E-11	1.39E-08
2895	739734.65	4109544.22	6.41E-08	1.08E-07	1.19E-09	1.73E-07	9.94E-09	1.77E-08	1.78E-10	2.78E-08	9.66E-09	1.52E-08	2.26E-10	2.51E-08	5.49E-09	8.39E-09	5.58E-11	1.39E-08
2896	739727.29	4109502.56	6.41E-08	1.08E-07	1.19E-09	1.73E-07	9.93E-09	1.77E-08	1.78E-10	2.78E-08	9.66E-09	1.52E-08	2.26E-10	2.51E-08	5.49E-09	8.39E-09	5.58E-11	1.39E-08
2897	739719.94	4109460.91	6.38E-08	1.07E-07	1.18E-09	1.72E-07	9.89E-09	1.76E-08	1.77E-10	2.77E-08	9.61E-09	1.51E-08	2.25E-10	2.50E-08	5.46E-09	8.35E-09	5.55E-11	1.39E-08
2898	739724.67	4109401.9	6.32E-08	1.06E-07	1.17E-09	1.71E-07	9.80E-09	1.74E-08	1.76E-10	2.74E-08	9.53E-09	1.50E-08	2.23E-10	2.47E-08	5.41E-09	8.27E-09	5.50E-11	1.37E-08
2899	739748.84	4109367.19	6.31E-08	1.06E-07	1.17E-09	1.70E-07	9.78E-09	1.74E-08	1.75E-10	2.74E-08	9.51E-09	1.50E-08	2.23E-10	2.47E-08	5.40E-09	8.26E-09	5.49E-11	1.37E-08
2900	739773.01	4109332.47	6.24E-08	1.05E-07	1.16E-09	1.69E-07	9.67E-09	1.72E-08	1.74E-10	2.71E-08	9.41E-09	1.48E-08	2.20E-10	2.44E-08	5.35E-09	8.17E-09	5.43E-11	1.36E-08

2901	739797.18	4109297.76	6.12E-08	1.03E-07	1.13E-09	1.65E-07	9.48E-09	1.69E-08	1.70E-10	2.65E-08	9.22E-09	1.45E-08	2.16E-10	2.40E-08	5.24E-09	8.01E-09	5.33E-11	1.33E-08
2902	739821.36	4109263.05	5.94E-08	1.00E-07	1.10E-09	1.60E-07	9.21E-09	1.64E-08	1.65E-10	2.58E-08	8.96E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.78E-09	5.17E-11	1.29E-08
2903	739845.53	4109228.34	5.73E-08	9.64E-08	1.06E-09	1.55E-07	8.88E-09	1.58E-08	1.59E-10	2.48E-08	8.64E-09	1.36E-08	2.02E-10	2.24E-08	4.91E-09	7.50E-09	4.99E-11	1.25E-08
2904	739869.7	4109193.63	5.49E-08	9.24E-08	1.02E-09	1.48E-07	8.51E-09	1.51E-08	1.53E-10	2.38E-08	8.28E-09	1.30E-08	1.94E-10	2.15E-08	4.70E-09	7.19E-09	4.78E-11	1.19E-08
2905	739893.87	4109158.92	5.24E-08	8.81E-08	9.71E-10	1.41E-07	8.12E-09	1.44E-08	1.46E-10	2.27E-08	7.90E-09	1.24E-08	1.85E-10	2.05E-08	4.49E-09	6.86E-09	4.56E-11	1.14E-08
2906	739918.05	4109124.21	4.99E-08	8.39E-08	9.25E-10	1.35E-07	7.73E-09	1.38E-08	1.39E-10	2.16E-08	7.52E-09	1.18E-08	1.76E-10	1.95E-08	4.27E-09	6.53E-09	4.34E-11	1.08E-08
2907	739942.22	4109089.49	4.75E-08	7.99E-08	8.80E-10	1.28E-07	7.36E-09	1.31E-08	1.32E-10	2.06E-08	7.16E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.21E-09	4.13E-11	1.03E-08
2908	739966.39	4109054.78	4.53E-08	7.62E-08	8.40E-10	1.22E-07	7.02E-09	1.25E-08	1.26E-10	1.96E-08	6.83E-09	1.07E-08	1.60E-10	1.77E-08	3.88E-09	5.93E-09	3.94E-11	9.85E-09
2909	739990.56	4109020.07	4.33E-08	7.28E-08	8.02E-10	1.17E-07	6.71E-09	1.19E-08	1.20E-10	1.88E-08	6.52E-09	1.03E-08	1.53E-10	1.69E-08	3.71E-09	5.66E-09	3.77E-11	9.41E-09
2910	740014.74	4108985.36	4.14E-08	6.97E-08	7.68E-10	1.12E-07	6.42E-09	1.14E-08	1.15E-10	1.80E-08	6.25E-09	9.84E-09	1.46E-10	1.62E-08	3.55E-09	5.43E-09	3.61E-11	9.01E-09
2911	740038.91	4108950.65	3.97E-08	6.68E-08	7.37E-10	1.07E-07	6.16E-09	1.10E-08	1.11E-10	1.72E-08	5.99E-09	9.43E-09	1.40E-10	1.56E-08	3.40E-09	5.20E-09	3.46E-11	8.64E-09
2912	740063.08	4108915.94	3.81E-08	6.41E-08	7.06E-10	1.03E-07	5.90E-09	1.05E-08	1.06E-10	1.65E-08	5.74E-09	9.04E-09	1.34E-10	1.49E-08	3.26E-09	4.98E-09	3.32E-11	8.28E-09
2913	740087.25	4108881.23	3.64E-08	6.13E-08	6.76E-10	9.84E-08	5.65E-09	1.00E-08	1.01E-10	1.58E-08	5.49E-09	8.65E-09	1.29E-10	1.43E-08	3.12E-09	4.77E-09	3.17E-11	7.92E-09
2914	740111.43	4108846.51	3.48E-08	5.85E-08	6.45E-10	9.40E-08	5.39E-09	9.60E-09	9.68E-11	1.51E-08	5.24E-09	8.26E-09	1.23E-10	1.36E-08	2.98E-09	4.55E-09	3.03E-11	7.56E-09
2915	740135.6	4108811.8	3.31E-08	5.58E-08	6.15E-10	8.95E-08	5.14E-09	9.15E-09	9.22E-11	1.44E-08	5.00E-09	7.87E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.89E-11	7.21E-09
2916	740159.77	4108777.09	3.16E-08	5.32E-08	5.86E-10	8.53E-08	4.90E-09	8.72E-09	8.79E-11	1.37E-08	4.76E-09	7.50E-09	1.12E-10	1.24E-08	2.71E-09	4.14E-09	2.75E-11	6.87E-09
2917	740183.94	4108742.38	3.02E-08	5.08E-08	5.60E-10	8.15E-08	4.68E-09	8.33E-09	8.40E-11	1.31E-08	4.55E-09	7.17E-09	1.07E-10	1.18E-08	2.59E-09	3.95E-09	2.63E-11	6.57E-09
2918	740208.12	4108707.67	2.90E-08	4.88E-08	5.38E-10	7.84E-08	4.50E-09	8.01E-09	8.07E-11	1.26E-08	4.38E-09	6.89E-09	1.02E-10	1.14E-08	2.49E-09	3.80E-09	2.53E-11	6.31E-09
2919	740232.29	4108672.96	2.81E-08	4.74E-08	5.22E-10	7.60E-08	4.36E-09	7.76E-09	7.83E-11	1.22E-08	4.24E-09	6.68E-09	9.94E-11	1.10E-08	2.41E-09	3.68E-09	2.45E-11	6.12E-09
2920	740256.46	4108638.25	2.76E-08	4.64E-08	5.12E-10	7.46E-08	4.28E-09	7.62E-09	7.68E-11	1.20E-08	4.16E-09	6.55E-09	9.75E-11	1.08E-08	2.37E-09	3.61E-09	2.40E-11	6.00E-09
2921	740280.63	4108603.53	2.74E-08	4.61E-08	5.08E-10	7.39E-08	4.24E-09	7.55E-09	7.61E-11	1.19E-08	4.13E-09	6.50E-09	9.67E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.95E-09
2922	740304.8	4108568.82	2.74E-08	4.61E-08	5.08E-10	7.40E-08	4.25E-09	7.56E-09	7.63E-11	1.19E-08	4.13E-09	6.51E-09	9.68E-11	1.07E-08	2.35E-09	3.59E-09	2.39E-11	5.96E-09
2923	740328.98	4108534.11	2.77E-08	4.65E-08	5.13E-10	7.47E-08	4.29E-09	7.63E-09	7.69E-11	1.20E-08	4.17E-09	6.56E-09	9.77E-11	1.08E-08	2.37E-09	3.62E-09	2.41E-11	6.01E-09
2924	740353.15	4108499.4	2.80E-08	4.71E-08	5.20E-10	7.57E-08	4.34E-09	7.73E-09	7.79E-11	1.22E-08	4.22E-09	6.65E-09	9.90E-11	1.10E-08	2.40E-09	3.67E-09	2.44E-11	6.09E-09
2925	740377.32	4108464.69	2.84E-08	4.79E-08	5.27E-10	7.68E-08	4.41E-09	7.85E-09	7.91E-11	1.23E-08	4.29E-09	6.75E-09	1.00E-10	1.11E-08	2.44E-09	3.72E-09	2.48E-11	6.18E-09
2926	740401.49	4108429.98	2.88E-08	4.85E-08	5.35E-10	7.79E-08	4.47E-09	7.96E-09	8.02E-11	1.25E-08	4.35E-09	6.85E-09	1.02E-10	1.13E-08	2.47E-09	3.78E-09	2.51E-11	6.27E-09
2927	740425.67	4108395.27	2.92E-08	4.91E-08	5.41E-10	7.88E-08	4.52E-09	8.05E-09	8.12E-11	1.27E-08	4.40E-09	6.93E-09	1.03E-10	1.14E-08	2.50E-09	3.82E-09	2.54E-11	6.35E-09
2928	740449.84	4108360.55	2.94E-08	4.94E-08	5.45E-10	7.94E-08	4.56E-09	8.11E-09	8.17E-11	1.27E-08	4.43E-09	6.97E-09	1.04E-10	1.15E-08	2.52E-09	3.85E-09	2.56E-11	6.39E-09
2929	740474.01	4108325.84	2.94E-08	4.96E-08	5.46E-10	7.95E-08	4.57E-09	8.12E-09	8.19E-11	1.28E-08	4.44E-09	6.99E-09	1.04E-10	1.15E-08	2.52E-09	3.86E-09	2.57E-11	6.40E-09
2930	740498.18	4108291.13	2.94E-08	4.94E-08	5.45E-10	7.93E-08	4.55E-09	8.10E-09	8.17E-11	1.27E-08	4.43E-09	6.97E-09	1.04E-10	1.15E-08	2.52E-09	3.84E-09	2.56E-11	6.39E-09
2931	740522.36	4108256.42	2.91E-08	4.90E-08	5.40E-10	7.87E-08	4.52E-09	8.04E-09	8.11E-11	1.26E-08	4.39E-09	6.92E-09	1.03E-10	1.14E-08	2.50E-09	3.81E-09	2.54E-11	6.34E-09
2932	740546.53	4108221.71	2.87E-08	4.84E-08	5.33E-10	7.77E-08	4.46E-09	7.93E-09	8.00E-11	1.25E-08	4.33E-09	6.82E-09	1.02E-10	1.13E-08	2.46E-09	3.76E-09	2.50E-11	6.25E-09
2933	740570.7	4108187	2.82E-08	4.75E-08	5.23E-10	7.62E-08	4.38E-09	7.78E-09	7.85E-11	1.22E-08	4.25E-09	6.70E-09	9.97E-11	1.11E-08	2.42E-09	3.69E-09	2.46E-11	6.14E-09
2934	740594.87	4108152.28	2.75E-08	4.63E-08	5.11E-10	7.44E-08	4.27E-09	7.60E-09	7.66E-11	1.19E-08	4.15E-09	6.54E-09	9.73E-11	1.08E-08	2.36E-09	3.61E-09	2.40E-11	5.99E-09
2935	740619.05	4108117.57	2.67E-08	4.50E-08	4.96E-10	7.22E-08	4.14E-09	7.37E-09	7.44E-11	1.16E-08	4.03E-09	6.34E-09	9.44E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
2936	740643.22	4108082.86	2.58E-08	4.34E-08	4.79E-10	6.97E-08	4.00E-09	7.12E-09	7.18E-11	1.12E-08	3.89E-09	6.13E-09	9.12E-11	1.01E-08	2.21E-09	3.38E-09	2.25E-11	5.62E-09
2937	740667.39	4108048.15	2.48E-08	4.18E-08	4.61E-10	6.71E-08	3.85E-09	6.86E-09	6.91E-11	1.08E-08	3.75E-09	5.90E-09	8.78E-11	9.73E-09	2.13E-09	3.25E-09	2.16E-11	5.40E-09
2938	740691.56	4108013.44	2.39E-08	4.02E-08	4.43E-10	6.45E-08	3.70E-09	6.59E-09	6.64E-11	1.04E-08	3.60E-09	5.67E-09	8.44E-11	9.35E-09	2.05E-09	3.13E-09	2.08E-11	5.19E-09
2939	740029.27	4111165.91	6.51E-08	1.09E-07	1.21E-09	1.76E-07	1.01E-08	1.79E-08	1.81E-10	2.82E-08	9.81E-09	1.54E-08	2.30E-10	2.55E-08	5.57E-09	8.52E-09	5.67E-11	1.42E-08
2940	740052.16	4111201.9	6.56E-08	1.10E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.82E-10	2.84E-08	9.89E-09	1.56E-08	2.32E-10	2.57E-08	5.62E-09	8.59E-09	5.71E-11	1.43E-08
2941	739676.58	4111341.6	5.11E-08	8.59E-08	9.47E-10	1.38E-07	7.92E-09	1.41E-08	1.42E-10	2.22E-08	7.70E-09	1.21E-08	1.80E-10	2.00E-08	4.38E-09	6.69E-09	4.45E-11	1.11E-08
2942	739669.19	4111299.76	5.12E-08	8.62E-08	9.50E-10	1.38E-07	7.94E-09	1.41E-08	1.43E-10	2.22E-08	7.73E-09	1.22E-08	1.81E-10	2.01E-08	4.39E-09	6.71E-09	4.46E-11	1.11E-08
2943	739661.8	4111257.92	5.13E-08	8.64E-08	9.52E-10	1.39E-07	7.96E-09	1.42E-08	1.43E-10	2.23E-08	7.74E-09	1.22E-08	1.81E-10	2.01E-08	4.40E-09	6.72E-09	4.47E-11	1.12E-08
2944	739654.42	4111216.08	5.14E-08	8.65E-08	9.53E-10	1.39E-07	7.97E-09	1.42E-08	1.43E-10	2.23E-08	7.75E-09	1.22E-08	1.82E-10	2.01E-08	4.40E-09	6.73E-09	4.48E-11	1.12E-08
2945	739647.03	4111174.24	5.14E-08	8.65E-08	9.54E-10	1.39E-07	7.98E-09	1.42E-08	1.43E-10	2.23E-08	7.76E-09	1.22E-08	1.82E-10	2.01E-08	4.41E-09	6.73E-09	4.48E-11	1.12E-08
2946	739639.64	4111132.4	5.15E-08	8.66E-08	9.55E-10	1.39E-07	7.98E-09	1.42E-08	1.43E-10	2.23E-08	7.76E-09	1.22E-08	1.82E-10	2.02E-08	4.41E-09	6.74E-09	4.48E-11	1.12E-08
2947	739632.25	4111090.55	5.16E-08	8.68E-08	9.57E-10	1.39E-07	8.00E-09	1.42E-08	1.44E-10	2.24E-08	7.78E-09	1.22E-08	1.82E-10	2.02E-08	4.42E-09	6.75E-09	4.49E-11	1.12E-08
2948	739624.86	4111048.71	5.18E-08	8.72E-08	9.61E-10	1.40E-07	8.04E-09	1.43E-08	1.44E-10	2.25E-08	7.81E-09	1.23E-08	1.83E-10	2.03E-08	4.44E-09	6.79E-09	4.51E-11	1.13E-08
2949	739617.47	4111006.87	5.22E-08	8.78E-08	9.68E-10	1.41E-07	8.09E-09	1.44E-08	1.45E-10	2.26E-08	7.87E-09	1.24E-08	1.84E-10	2.04E-08	4.47E-09	6.83E-09	4.55E-11	1.13E-08
2950	739610.09	4110965.03	5.26E-08	8.86E-08	9.76E-10	1.42E-07	8.16E-09	1.45E-08	1.46E-10	2.28E-08	7.94E-09	1.25E-08	1.86E-10	2.06E-08	4.51E-09	6.89E-09	4.59E-11	1.14E-08
2951	739602.7	4110923.19	5.31E-08	8.94E-08	9.86E-10	1.44E-07	8.24E-09	1.47E-08	1.48E-10	2.30E-08	8.01E-09	1.26E-08	1.88E-10	2.08E-08	4.55E-09	6.96E-09	4.63E-11	1.16E-08
2952	739595.31	4110881.35	5.36E-08	9.02E-08	9.94E-10	1.45E-07	8.31E-09	1.48E-08	1.49E-10	2.32E-08	8.08E-09	1.27E-08	1.89E-10	2.10E-08	4.59E-09	7.02E-09	4.67E-11	1.17E-08
2953	739587.92	4110839.51	5.40E-08	9.08E-08	1.00E-09	1.46E-07	8.37E-09	1.49E-08	1.50E-10	2.34E-08	8.14E-09	1.28E-08	1.91E-10	2.11E-08	4.62E-09	7.07E-09	4.70E-11	1.17E-08
2954	739580.53	4110797.67	5.43E-08	9.13E-08	1.01E-09	1.47E-07	8.42E-09	1.50E-08	1.51E-10	2.35E-08	8.18E-09	1.29E-08	1.92E-10	2.13E-08	4.65E-09	7.11E-09	4.73E-11	1.18E-08
2955	739573.14	4110755.83	5.46E-08	9.19E-08	1.01E-09	1.48E-07	8.47E-09	1.51E-08	1.52E-10	2.37E-08	8.24E-09	1.30E-08	1.93E-10	2.14E-08	4.68E-09	7.15E-09	4.76E-11	1.19E-08
2956	739565.76	4110713.98	5.52E-08	9.29E-08	1.02E-09	1.49E-07	8.56E-09	1.52E-08	1.54E-10	2.39E-08	8.32E-09	1.31E-08	1.95E-10	2.16E-08	4.73E-09	7.23E-09	4.81E-11	1.20E-08
2957	739558.37	4110672.14	5.61E-08	9.44E-08	1.04E-09	1.52E-07	8.70E-09	1.55E-08	1.56E-10	2.43E-08	8.46E-09	1.33E-08	1.98E-10	2.20E-08	4.81E-09	7.35E-09	4.89E-11	1.22E-08
2958	739550.98	4110630.3	5.75E-08	9.68E-08	1.07E-09	1.55E-07	8.92E-09	1.59E-08	1.60E-10	2.49E-08	8.67E-09	1.37E-08	2.03E-10	2.25E-08	4.93E-09	7.53E-09	5.01E-11	1.25E-08
2959	739543.59	4110588.46	5.95E-08	1.00E-07	1.10E-09	1.61E-07	9.22E-09	1.64E-08	1.65E-10	2.58E-08	8.97E-09	1.41E-08	2.10E-10	2.33E-08	5.10E-09	7.79E-09	5.18E-11	1.29E-08
2960	739536.2	4110546.62	6.20E-08	1.04E-07	1.15E-09	1.67E-07	9.61E-09	1.71E-08	1.72E-10	2.69E-08	9.34E-09	1.47E-08	2.19E-10	2.43E-08	5.31E-09	8.11E-09	5.40E-11	1.35E-08
2961	739528.81	4110504.78	6.48E-08	1.09E-07	1.20E-09	1.75E-07	1.00E-08	1.79E-08	1.80E-10	2.81E-08	9.77E-09	1.54E-08	2.29E-10	2.54E-08	5.55E-09	8.48E-09	5.64E-11	1.41E-08
2962	739521.43	4110462.94	6.78E-08	1.14E-07	1.26E-09	1.83E-07	1.05E-08	1.87E-08	1.89E-10	2.94E-08	1.02E-08	1.61E-08	2.39E-10	2.66E-08	5.81E-09	8.88E-09	5.91E-11	1.47E-08
2963	739514.04	4110421.1	7.06E-08	1.19E-07	1.31E-09	1.91E-07	1.10E-08	1.95E-08	1.97E-10	3.06E-08	1.07E-08	1.68E-08	2.50E-10	2.77E-08	6.05E-09	9.25E-09	6.15E-11	1.54E-08
2964	739506.65	4110379.26	7.30E-08	1.23E-07	1.35E-09	1.97E-07	1.13E-08	2.01E-08	2.03E-10	3.17E-08	1.10E-08	1.73E-08	2.58E-10	2.86E-08	6.26E-09	9.56E-09	6.36E-11	1.59E-08
2965	739499.26	4110337.41	7.47E-08	1.26E-07	1.39E-09	2.02E-07	1.16E-08	2.06E-08	2.08E-10	3.24E-08	1.13E-08	1.77E-08	2.64E-10	2.93E-08	6.40E-09	9.79E-09	6.51E-11	1.63E-08
2966	739491.87	4110295.57	7.55E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.08E-08	2.10E-10	3.28E-08	1.14E-08	1.79E-08	2.67E-10	2.96E-08	6.47E-09	9.89E-09	6.58E-11	1.64E-08
2967	739484.48	4110253.73	7.55E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.08E-08	2.10E-10	3.27E-08	1.14E-08	1.79E-08	2.67E-10	2.96E-08	6.47E-09	9.88E-09	6.58E-11	1.64E-08
2968	739477.1	4110211.89	7.46E-08	1.26E-07	1.38E-09	2.02E-07	1.16E-08	2.06E-08	2.08E-10	3.24E-08	1.13E-08	1.77E-08	2.64E-10	2.92E-08	6.39E-09	9.77E-09	6.50E-11	1.62E-08
2969	739469.71	4110170.05	7.31E-08	1.23E-07	1.36E-09	1.97E-07	1.13E-08	2.02E-08	2.03E-10	3.17E-08	1.10E-08	1.74E-08	2.58E-10	2.86E-08	6.26E-09	9.57E-09	6.37E-11	1.59E-08
2970	739462.32	4110128.21	7.11E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.08E-08	1.07E-08	1.69E-08	2.51E-10	2.79E-08	6.09E-09	9.31E-09	6.20E-11	1.55E-08
2971	739454.93	4110086.37	6.89E-08	1.16E-07	1.28E-09	1.86E-07	1.07E-08	1.90E-08	1.92E-10	2.99E-08	1.04E-08	1.63E-08	2.43E-10	2.70E-08	5.90E-09	9.02E-09	6.00E-11	1.50E-08
2972	739447.54	4110044.53	6.65E-08	1.12E-07	1.23E-09	1.80E-07	1.03E-08	1.83E-08	1.85E-10	2.88E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.70E-09	8.71E-09	5.79E-11	1.45E-08
2973	739440.15	4110002.69	6.41E-08	1.08E-07	1.19E-09	1.73E-07	9.94E-09	1.77E-08	1.78E-10	2.78E-08	9.67E-09	1.52E-08	2.26E-10	2.51E-08	5.49E-09	8.39E-09	5.59E-11	1.39E-08
2974	739432.77	4109960.84	6.17E-08	1.04E-07	1.14E-09	1.67E-07	9.57E-09	1.70E-08	1.72E-10	2.68E-08	9.31E-09	1.46E-08	2.18E-10	2.42E-08	5.29E-09	8.08E-09	5.38E-11	1.34E-08
2975	739425.38	4109919	5.94E-08	1.00E-07	1.10E-09	1.61E-07	9.21E-09	1.64E-08	1.65E-10	2.58E-08	8.96E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.78E-09	5.18E-11	1.29E-08
2976	739417.99	4109877.16	5.73E-08	9.64E-08	1.06E-09	1.55E-07	8.88E-09	1.58E-08	1.59E-10	2.48E-08	8.63E-09	1.36E-08	2.02E-10	2.24E-08	4.91E-09	7.50E-09	4.99E-11	1.25E-08
2977	739410.6	4109835.32	5.53E-08	9.30E-08	1.02E-09	1.49E-07	8.57E-09	1.52E-08	1.54E-10	2.40E-08	8.33E-09	1.31E-08	1.95E-10	2.16E-08	4.73E-09	7.23E-09	4.81E-11	1.20E-08
2978	739403.21	4109793.48	5.35E-08	9.01E-08	9.93E-10	1.45E-07	8.30E-09	1.48E-08	1.49E-10	2.32E-08	8.07E-09	1.27E-08	1.89E-10	2.10E-08	4.59E-09	7.01E-09	4.66E-11	1.16E-08
2979	739395.82	4109751.64	5.21E-08	8.77E-08	9.66E-10	1.41E-07	8.08E-09	1.44E-08	1.45E-10	2.26E-08	7.86E-09	1.24E-08	1.84E-10	2.04E-08	4.46E-09	6.82E-09	4.54E-11	1.13E-08
2980	739388.44	4109709.8	5.10E-08	8.58E-08	9.46E-10	1.38E-07	7.91E-09	1.41E-08	1.42E-10	2.21E-08	7.69E-09	1.21E-08	1.80E-10	2.00E-08	4.37E-09	6.68E-09	4.44E-11	1.11E-08
2981	739381.05	4109667.96	5.02E-08	8.46E-08	9.32E-10	1.36E-07	7.79E-09	1.39E-08	1.40E-10	2.18E-08	7.58E-09	1.19E-08	1.77E-10	1.97E-08	4.31E-09	6.58E-09	4.38E-11	1.09E-08
2982	739373.66	4109626.12	4.98E-08	8.38E-08	9.24E-10	1.35E-07	7.73E-09	1.37E-08	1.39E-10	2.16E-08	7.51E-09	1.18E-08	1.76E-10	1.95E-08	4.27E-09	6.52E-09	4.34E-11	1.08E-08
2983	739366.27	4109584.27	4.97E-08	8.36E-08	9.22E-10	1.34E-07	7.71E-09	1.37E-08	1.38E-10	2.16E-08	7.50E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.51E-09	4.33E-11	1.08E-08
2984	739358.88	4109542.43	4.98E-08	8.38E-08	9.23E-10	1.34E-07	7.72E-09	1.37E-08	1.38E-10	2.16E-08	7.51E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.52E-09	4.34E-11	1.08E-08
2985	739351.49	4109500.59	5.00E-08	8.41E-08	9.27E-10	1.35E-07	7.75E-09	1.38E-08	1.39E-10	2.17E-08	7.53E-09	1.19E-08	1.77E-10	1.96E-08	4.28E-09	6.54E-09	4.35E-11	1.09E-08
2986	739344.11	4109458.75	5.02E-08	8.44E-08	9.31E-10	1.36E-07	7.78E-09	1.38E-08	1.40E-10	2.18E-08	7.57E-09	1.19E-08	1.77E-10	1.97E-08	4.30E-09	6.57E-09	4.37E-11	1.09E-08
2987	739336.72	4109416.91	5.03E-08	8.46E-08	9.32E-10	1.36E-07	7.80E-09	1.39E-08	1.40E-10	2.18E-08	7.58E-09	1.19E-08	1.78E-10	1.97E-08	4.31E-09	6.58E-09	4.38E-11	1.09E-08
2988	739329.33	4109375.07	5.02E-08	8.45E-08	9.31E-10	1.36E-07	7.78E-09	1.38E-08	1.40E-10	2.18E-08	7.57E-09	1.19E-08	1.77E-10	1.97E-08	4.30E-09	6.57E-09	4.37E-11	1.09E-08

2989	739334.08	4109315.79	5.00E-08	8.41E-08	9.27E-10	1.35E-07	7.75E-09	1.38E-08	1.39E-10	2.17E-08	7.54E-09	1.19E-08	1.77E-10	1.96E-08	4.28E-09	6.55E-09	4.36E-11	1.09E-08
2990	739358.36	4109280.93	5.01E-08	8.42E-08	9.28E-10	1.35E-07	7.76E-09	1.38E-08	1.39E-10	2.17E-08	7.55E-09	1.19E-08	1.77E-10	1.96E-08	4.29E-09	6.55E-09	4.36E-11	1.09E-08
2991	739382.64	4109246.06	4.98E-08	8.37E-08	9.23E-10	1.34E-07	7.72E-09	1.37E-08	1.38E-10	2.16E-08	7.50E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.52E-09	4.33E-11	1.08E-08
2992	739406.92	4109211.19	4.91E-08	8.26E-08	9.11E-10	1.33E-07	7.61E-09	1.35E-08	1.37E-10	2.13E-08	7.40E-09	1.17E-08	1.73E-10	1.92E-08	4.21E-09	6.43E-09	4.28E-11	1.07E-08
2993	739431.2	4109176.33	4.81E-08	8.10E-08	8.93E-10	1.30E-07	7.46E-09	1.33E-08	1.34E-10	2.09E-08	7.26E-09	1.14E-08	1.70E-10	1.89E-08	4.12E-09	6.30E-09	4.19E-11	1.05E-08
2994	739455.48	4109141.46	4.68E-08	7.88E-08	8.69E-10	1.26E-07	7.26E-09	1.29E-08	1.30E-10	2.03E-08	7.06E-09	1.11E-08	1.65E-10	1.83E-08	4.01E-09	6.13E-09	4.08E-11	1.02E-08
2995	739479.77	4109106.59	4.53E-08	7.62E-08	8.40E-10	1.22E-07	7.03E-09	1.25E-08	1.26E-10	1.97E-08	6.83E-09	1.08E-08	1.60E-10	1.77E-08	3.88E-09	5.93E-09	3.95E-11	9.85E-09
2996	739504.05	4109071.72	4.36E-08	7.34E-08	8.09E-10	1.18E-07	6.76E-09	1.20E-08	1.21E-10	1.89E-08	6.58E-09	1.04E-08	1.54E-10	1.71E-08	3.74E-09	5.71E-09	3.80E-11	9.48E-09
2997	739528.33	4109036.86	4.18E-08	7.04E-08	7.76E-10	1.13E-07	6.48E-09	1.15E-08	1.16E-10	1.81E-08	6.30E-09	9.93E-09	1.48E-10	1.64E-08	3.58E-09	5.47E-09	3.64E-11	9.09E-09
2998	739552.61	4109001.99	4.00E-08	6.73E-08	7.42E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.73E-08	6.03E-09	9.49E-09	1.41E-10	1.57E-08	3.43E-09	5.24E-09	3.48E-11	8.70E-09
2999	739576.89	4108967.12	3.82E-08	6.43E-08	7.09E-10	1.03E-07	5.93E-09	1.05E-08	1.06E-10	1.66E-08	5.76E-09	9.07E-09	1.35E-10	1.50E-08	3.27E-09	5.00E-09	3.33E-11	8.31E-09
3000	739601.17	4108932.26	3.66E-08	6.15E-08	6.78E-10	9.88E-08	5.67E-09	1.01E-08	1.02E-10	1.59E-08	5.52E-09	8.68E-09	1.29E-10	1.43E-08	3.13E-09	4.79E-09	3.19E-11	7.95E-09
3001	739625.45	4108897.39	3.51E-08	5.91E-08	6.51E-10	9.48E-08	5.44E-09	9.68E-09	9.76E-11	1.52E-08	5.29E-09	8.33E-09	1.24E-10	1.37E-08	3.01E-09	4.60E-09	3.06E-11	7.63E-09
3002	739649.73	4108862.52	3.38E-08	5.68E-08	6.27E-10	9.13E-08	5.24E-09	9.32E-09	9.40E-11	1.47E-08	5.09E-09	8.02E-09	1.19E-10	1.32E-08	2.89E-09	4.42E-09	2.94E-11	7.35E-09
3003	739674.01	4108827.66	3.26E-08	5.48E-08	6.05E-10	8.80E-08	5.05E-09	8.99E-09	9.07E-11	1.41E-08	4.91E-09	7.74E-09	1.15E-10	1.28E-08	2.79E-09	4.27E-09	2.84E-11	7.09E-09
3004	739698.29	4108792.79	3.15E-08	5.30E-08	5.84E-10	8.51E-08	4.89E-09	8.69E-09	8.77E-11	1.37E-08	4.75E-09	7.48E-09	1.11E-10	1.23E-08	2.70E-09	4.13E-09	2.74E-11	6.85E-09
3005	739722.57	4108757.92	3.05E-08	5.13E-08	5.65E-10	8.23E-08	4.72E-09	8.40E-09	8.48E-11	1.32E-08	4.59E-09	7.23E-09	1.08E-10	1.19E-08	2.61E-09	3.99E-09	2.65E-11	6.63E-09
3006	739746.85	4108723.05	2.94E-08	4.95E-08	5.46E-10	7.95E-08	4.56E-09	8.12E-09	8.19E-11	1.28E-08	4.44E-09	6.98E-09	1.04E-10	1.15E-08	2.52E-09	3.85E-09	2.56E-11	6.40E-09
3007	739771.13	4108688.19	2.83E-08	4.77E-08	5.26E-10	7.66E-08	4.40E-09	7.82E-09	7.89E-11	1.23E-08	4.27E-09	6.73E-09	1.00E-10	1.11E-08	2.43E-09	3.71E-09	2.47E-11	6.16E-09
3008	739795.42	4108653.32	2.72E-08	4.58E-08	5.05E-10	7.35E-08	4.22E-09	7.51E-09	7.57E-11	1.18E-08	4.11E-09	6.46E-09	9.62E-11	1.07E-08	2.33E-09	3.56E-09	2.37E-11	5.92E-09
3009	739819.7	4108618.45	2.61E-08	4.39E-08	4.83E-10	7.04E-08	4.04E-09	7.19E-09	7.25E-11	1.13E-08	3.93E-09	6.19E-09	9.21E-11	1.02E-08	2.23E-09	3.41E-09	2.27E-11	5.67E-09
3010	739843.98	4108583.59	2.49E-08	4.19E-08	4.62E-10	6.73E-08	3.86E-09	6.87E-09	6.93E-11	1.08E-08	3.76E-09	5.92E-09	8.80E-11	9.76E-09	2.13E-09	3.26E-09	2.17E-11	5.42E-09
3011	739868.26	4108548.72	2.38E-08	4.01E-08	4.42E-10	6.44E-08	3.70E-09	6.58E-09	6.63E-11	1.03E-08	3.59E-09	5.66E-09	8.42E-11	9.34E-09	2.04E-09	3.12E-09	2.08E-11	5.18E-09
3012	739892.54	4108513.85	2.29E-08	3.85E-08	4.24E-10	6.18E-08	3.55E-09	6.31E-09	6.37E-11	9.92E-09	3.45E-09	5.43E-09	8.08E-11	8.96E-09	1.96E-09	3.00E-09	1.99E-11	4.98E-09
3013	739916.82	4108478.98	2.21E-08	3.72E-08	4.10E-10	5.97E-08	3.43E-09	6.10E-09	6.15E-11	9.59E-09	3.33E-09	5.25E-09	7.81E-11	8.66E-09	1.89E-09	2.90E-09	1.93E-11	4.81E-09
3014	739941.1	4108444.12	2.16E-08	3.63E-08	4.00E-10	5.82E-08	3.34E-09	5.95E-09	6.00E-11	9.35E-09	3.25E-09	5.12E-09	7.62E-11	8.44E-09	1.85E-09	2.82E-09	1.88E-11	4.69E-09
3015	739965.38	4108409.25	2.12E-08	3.57E-08	3.94E-10	5.74E-08	3.29E-09	5.86E-09	5.91E-11	9.21E-09	3.20E-09	5.04E-09	7.50E-11	8.32E-09	1.82E-09	2.78E-09	1.85E-11	4.62E-09
3016	739989.66	4108374.38	2.11E-08	3.56E-08	3.92E-10	5.71E-08	3.28E-09	5.83E-09	5.88E-11	9.17E-09	3.19E-09	5.02E-09	7.47E-11	8.28E-09	1.81E-09	2.77E-09	1.84E-11	4.60E-09
3017	740013.94	4108339.52	2.12E-08	3.57E-08	3.94E-10	5.73E-08	3.29E-09	5.86E-09	5.91E-11	9.21E-09	3.20E-09	5.04E-09	7.50E-11	8.32E-09	1.82E-09	2.78E-09	1.85E-11	4.62E-09
3018	740038.22	4108304.65	2.15E-08	3.61E-08	3.98E-10	5.80E-08	3.33E-09	5.92E-09	5.97E-11	9.31E-09	3.24E-09	5.09E-09	7.58E-11	8.41E-09	1.84E-09	2.81E-09	1.87E-11	4.67E-09
3019	740062.5	4108269.78	2.18E-08	3.66E-08	4.04E-10	5.88E-08	3.38E-09	6.01E-09	6.06E-11	9.45E-09	3.28E-09	5.17E-09	7.69E-11	8.53E-09	1.87E-09	2.85E-09	1.90E-11	4.74E-09
3020	740086.78	4108234.92	2.21E-08	3.72E-08	4.10E-10	5.98E-08	3.43E-09	6.11E-09	6.16E-11	9.60E-09	3.34E-09	5.25E-09	7.82E-11	8.67E-09	1.90E-09	2.90E-09	1.93E-11	4.81E-09
3021	740111.07	4108200.05	2.25E-08	3.78E-08	4.17E-10	6.07E-08	3.49E-09	6.20E-09	6.26E-11	9.75E-09	3.39E-09	5.34E-09	7.94E-11	8.81E-09	1.93E-09	2.94E-09	1.96E-11	4.89E-09
3022	740135.35	4108165.18	2.28E-08	3.84E-08	4.23E-10	6.16E-08	3.53E-09	6.29E-09	6.34E-11	9.89E-09	3.44E-09	5.41E-09	8.05E-11	8.93E-09	1.95E-09	2.98E-09	1.99E-11	4.96E-09
3023	740159.63	4108130.31	2.30E-08	3.88E-08	4.27E-10	6.22E-08	3.57E-09	6.35E-09	6.41E-11	9.99E-09	3.47E-09	5.47E-09	8.14E-11	9.02E-09	1.97E-09	3.02E-09	2.01E-11	5.01E-09
3024	740183.91	4108095.45	2.32E-08	3.90E-08	4.30E-10	6.26E-08	3.59E-09	6.39E-09	6.45E-11	1.01E-08	3.49E-09	5.50E-09	8.19E-11	9.08E-09	1.99E-09	3.03E-09	2.02E-11	5.04E-09
3025	740208.19	4108060.58	2.32E-08	3.91E-08	4.31E-10	6.28E-08	3.60E-09	6.41E-09	6.47E-11	1.01E-08	3.50E-09	5.52E-09	8.21E-11	9.10E-09	1.99E-09	3.04E-09	2.02E-11	5.05E-09
3026	740232.47	4108025.71	2.32E-08	3.91E-08	4.31E-10	6.27E-08	3.60E-09	6.41E-09	6.46E-11	1.01E-08	3.50E-09	5.51E-09	8.20E-11	9.09E-09	1.99E-09	3.04E-09	2.02E-11	5.05E-09
3027	740256.75	4107990.85	2.31E-08	3.89E-08	4.29E-10	6.24E-08	3.58E-09	6.38E-09	6.43E-11	1.00E-08	3.49E-09	5.49E-09	8.17E-11	9.05E-09	1.98E-09	3.03E-09	2.01E-11	5.03E-09
3028	740281.03	4107955.98	2.29E-08	3.86E-08	4.25E-10	6.19E-08	3.56E-09	6.33E-09	6.38E-11	9.95E-09	3.46E-09	5.44E-09	8.10E-11	8.98E-09	1.96E-09	3.00E-09	2.00E-11	4.99E-09
3029	740305.31	4107921.11	2.27E-08	3.81E-08	4.20E-10	6.12E-08	3.52E-09	6.25E-09	6.31E-11	9.83E-09	3.42E-09	5.38E-09	8.01E-11	8.88E-09	1.94E-09	2.97E-09	1.97E-11	4.93E-09
3030	740329.59	4107886.25	2.23E-08	3.76E-08	4.14E-10	6.03E-08	3.46E-09	6.16E-09	6.21E-11	9.68E-09	3.37E-09	5.30E-09	7.89E-11	8.74E-09	1.91E-09	2.92E-09	1.94E-11	4.86E-09
3031	740353.87	4107851.38	2.19E-08	3.68E-08	4.06E-10	5.91E-08	3.40E-09	6.04E-09	6.09E-11	9.50E-09	3.30E-09	5.20E-09	7.73E-11	8.58E-09	1.88E-09	2.87E-09	1.91E-11	4.76E-09
3032	740378.15	4107816.51	2.14E-08	3.60E-08	3.97E-10	5.78E-08	3.32E-09	5.90E-09	5.95E-11	9.27E-09	3.22E-09	5.08E-09	7.55E-11	8.38E-09	1.83E-09	2.80E-09	1.86E-11	4.65E-09
3033	740402.44	4107781.64	2.08E-08	3.50E-08	3.85E-10	5.61E-08	3.22E-09	5.73E-09	5.78E-11	9.01E-09	3.13E-09	4.93E-09	7.34E-11	8.14E-09	1.78E-09	2.72E-09	1.81E-11	4.52E-09
3034	740426.72	4107746.78	2.01E-08	3.39E-08	3.73E-10	5.43E-08	3.12E-09	5.55E-09	5.60E-11	8.73E-09	3.03E-09	4.78E-09	7.11E-11	7.88E-09	1.72E-09	2.63E-09	1.75E-11	4.38E-09
3035	740451	4107711.91	1.94E-08	3.27E-08	3.60E-10	5.25E-08	3.01E-09	5.36E-09	5.41E-11	8.43E-09	2.93E-09	4.61E-09	6.86E-11	7.61E-09	1.66E-09	2.54E-09	1.69E-11	4.23E-09
3036	740475.28	4107677.04	1.87E-08	3.15E-08	3.47E-10	5.05E-08	2.90E-09	5.16E-09	5.20E-11	8.11E-09	2.82E-09	4.44E-09	6.61E-11	7.33E-09	1.60E-09	2.45E-09	1.63E-11	4.07E-09
3037	739691.72	4111380.52	5.11E-08	8.61E-08	9.49E-10	1.38E-07	7.93E-09	1.41E-08	1.42E-10	2.22E-08	7.71E-09	1.21E-08	1.81E-10	2.00E-08	4.38E-09	6.70E-09	4.45E-11	1.11E-08
3038	739714.6	4111416.51	5.15E-08	8.66E-08	9.54E-10	1.39E-07	7.98E-09	1.42E-08	1.43E-10	2.23E-08	7.76E-09	1.22E-08	1.82E-10	2.02E-08	4.41E-09	6.74E-09	4.48E-11	1.12E-08
3039	739339.01	4111556.14	4.16E-08	7.00E-08	7.71E-10	1.12E-07	6.45E-09	1.15E-08	1.16E-10	1.80E-08	6.27E-09	9.87E-09	1.47E-10	1.63E-08	3.56E-09	5.45E-09	3.62E-11	9.05E-09
3040	739331.6	4111514.16	4.18E-08	7.03E-08	7.75E-10	1.13E-07	6.48E-09	1.15E-08	1.16E-10	1.81E-08	6.30E-09	9.92E-09	1.48E-10	1.64E-08	3.58E-09	5.47E-09	3.64E-11	9.08E-09
3041	739324.19	4111472.18	4.19E-08	7.05E-08	7.77E-10	1.13E-07	6.50E-09	1.16E-08	1.17E-10	1.82E-08	6.32E-09	9.95E-09	1.48E-10	1.64E-08	3.59E-09	5.49E-09	3.65E-11	9.11E-09
3042	739316.78	4111430.2	4.20E-08	7.07E-08	7.79E-10	1.13E-07	6.51E-09	1.16E-08	1.17E-10	1.82E-08	6.33E-09	9.97E-09	1.48E-10	1.65E-08	3.60E-09	5.50E-09	3.66E-11	9.13E-09
3043	739309.36	4111388.22	4.20E-08	7.07E-08	7.80E-10	1.14E-07	6.52E-09	1.16E-08	1.17E-10	1.82E-08	6.34E-09	9.98E-09	1.48E-10	1.65E-08	3.60E-09	5.50E-09	3.66E-11	9.14E-09
3044	739301.95	4111346.24	4.20E-08	7.07E-08	7.80E-10	1.14E-07	6.52E-09	1.16E-08	1.17E-10	1.82E-08	6.34E-09	9.98E-09	1.48E-10	1.65E-08	3.60E-09	5.50E-09	3.66E-11	9.14E-09
3045	739294.54	4111304.26	4.20E-08	7.07E-08	7.79E-10	1.14E-07	6.52E-09	1.16E-08	1.17E-10	1.82E-08	6.34E-09	9.98E-09	1.48E-10	1.65E-08	3.60E-09	5.50E-09	3.66E-11	9.14E-09
3046	739287.12	4111262.28	4.21E-08	7.08E-08	7.80E-10	1.14E-07	6.52E-09	1.16E-08	1.17E-10	1.82E-08	6.34E-09	9.99E-09	1.49E-10	1.65E-08	3.60E-09	5.51E-09	3.66E-11	9.15E-09
3047	739279.71	4111220.3	4.22E-08	7.10E-08	7.82E-10	1.14E-07	6.54E-09	1.16E-08	1.17E-10	1.83E-08	6.36E-09	1.00E-08	1.49E-10	1.65E-08	3.61E-09	5.52E-09	3.67E-11	9.17E-09
3048	739272.3	4111178.32	4.24E-08	7.14E-08	7.86E-10	1.15E-07	6.57E-09	1.17E-08	1.18E-10	1.84E-08	6.39E-09	1.01E-08	1.50E-10	1.66E-08	3.63E-09	5.55E-09	3.69E-11	9.22E-09
3049	739264.88	4111136.33	4.27E-08	7.19E-08	7.92E-10	1.15E-07	6.62E-09	1.18E-08	1.19E-10	1.85E-08	6.44E-09	1.01E-08	1.51E-10	1.67E-08	3.66E-09	5.59E-09	3.72E-11	9.29E-09
3050	739257.47	4111094.35	4.31E-08	7.25E-08	7.99E-10	1.16E-07	6.68E-09	1.19E-08	1.20E-10	1.87E-08	6.50E-09	1.02E-08	1.52E-10	1.69E-08	3.69E-09	5.64E-09	3.75E-11	9.37E-09
3051	739250.06	4111052.37	4.34E-08	7.31E-08	8.06E-10	1.17E-07	6.74E-09	1.20E-08	1.21E-10	1.88E-08	6.55E-09	1.03E-08	1.53E-10	1.70E-08	3.72E-09	5.69E-09	3.78E-11	9.45E-09
3052	739242.65	4111010.39	4.38E-08	7.37E-08	8.12E-10	1.18E-07	6.79E-09	1.21E-08	1.22E-10	1.90E-08	6.60E-09	1.04E-08	1.55E-10	1.71E-08	3.75E-09	5.73E-09	3.81E-11	9.52E-09
3053	739235.23	4110968.41	4.40E-08	7.41E-08	8.17E-10	1.19E-07	6.83E-09	1.22E-08	1.23E-10	1.91E-08	6.64E-09	1.05E-08	1.56E-10	1.73E-08	3.77E-09	5.77E-09	3.84E-11	9.58E-09
3054	739227.82	4110926.43	4.42E-08	7.44E-08	8.20E-10	1.19E-07	6.86E-09	1.22E-08	1.23E-10	1.92E-08	6.67E-09	1.05E-08	1.56E-10	1.73E-08	3.79E-09	5.79E-09	3.85E-11	9.62E-09
3055	739220.41	4110884.45	4.44E-08	7.47E-08	8.24E-10	1.20E-07	6.89E-09	1.23E-08	1.24E-10	1.93E-08	6.70E-09	1.05E-08	1.57E-10	1.74E-08	3.80E-09	5.81E-09	3.87E-11	9.66E-09
3056	739212.99	4110842.47	4.46E-08	7.51E-08	8.28E-10	1.21E-07	6.92E-09	1.23E-08	1.24E-10	1.94E-08	6.73E-09	1.06E-08	1.58E-10	1.75E-08	3.83E-09	5.85E-09	3.89E-11	9.71E-09
3057	739205.58	4110800.49	4.51E-08	7.58E-08	8.36E-10	1.22E-07	6.99E-09	1.24E-08	1.25E-10	1.95E-08	6.79E-09	1.07E-08	1.59E-10	1.77E-08	3.86E-09	5.90E-09	3.93E-11	9.80E-09
3058	739198.17	4110758.51	4.57E-08	7.70E-08	8.48E-10	1.24E-07	7.09E-09	1.26E-08	1.27E-10	1.98E-08	6.90E-09	1.09E-08	1.62E-10	1.79E-08	3.92E-09	5.99E-09	3.98E-11	9.95E-09
3059	739190.75	4110716.53	4.68E-08	7.87E-08	8.68E-10	1.26E-07	7.26E-09	1.29E-08	1.30E-10	2.03E-08	7.05E-09	1.11E-08	1.65E-10	1.83E-08	4.01E-09	6.13E-09	4.08E-11	1.02E-08
3060	739183.34	4110674.55	4.82E-08	8.12E-08	8.94E-10	1.30E-07	7.48E-09	1.33E-08	1.34E-10	2.09E-08	7.27E-09	1.14E-08	1.70E-10	1.89E-08	4.13E-09	6.31E-09	4.20E-11	1.05E-08
3061	739175.93	4110632.57	5.00E-08	8.42E-08	9.28E-10	1.35E-07	7.76E-09	1.38E-08	1.39E-10	2.17E-08	7.54E-09	1.19E-08	1.77E-10	1.96E-08	4.29E-09	6.55E-09	4.36E-11	1.09E-08
3062	739168.52	4110590.59	5.21E-08	8.76E-08	9.66E-10	1.41E-07	8.07E-09	1.44E-08	1.45E-10	2.26E-08	7.85E-09	1.24E-08	1.84E-10	2.04E-08	4.46E-09	6.82E-09	4.54E-11	1.13E-08
3063	739161.1	4110548.6	5.43E-08	9.14E-08	1.01E-09	1.47E-07	8.42E-09	1.50E-08	1.51E-10	2.35E-08	8.19E-09	1.29E-08	1.92E-10	2.13E-08	4.65E-09	7.11E-09	4.73E-11	1.18E-08
3064	739153.69	4110506.62	5.65E-08	9.51E-08	1.05E-09	1.53E-07	8.76E-09	1.56E-08	1.57E-10	2.45E-08	8.52E-09	1.34E-08	2.00E-10	2.21E-08	4.84E-09	7.40E-09	4.92E-11	1.23E-08
3065	739146.28	4110464.64	5.86E-08	9.85E-08	1.09E-09	1.58E-07	9.08E-09	1.62E-08	1.63E-10	2.54E-08	8.83E-09	1.39E-08	2.07E-10	2.29E-08	5.02E-09	7.67E-09	5.10E-11	1.27E-08
3066	739138.86	4110422.66	6.02E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.08E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
3067	739131.45	4110380.68	6.14E-08	1.03E-07	1.14E-09	1.66E-07	9.51E-09	1.69E-08	1.71E-10	2.66E-08	9.25E-09	1.46E-08	2.17E-10	2.40E-08	5.26E-09	8.03E-09	5.35E-11	1.33E-08
3068	739124.04	4110338.7	6.19E-08	1.04E-07	1.15E-09	1.67E-07	9.60E-09	1.71E-08	1.72E-10	2.69E-08	9.34E-09	1.47E-08	2.19E-10	2.43E-08	5.30E-09	8.11E-09	5.39E-11	1.35E-08
3069	739116.62	4110296.72	6.18E-08	1.04E-07	1.15E-09	1.67E-07	9.59E-09	1.71E-08	1.72E-10	2.68E-08	9.32E-09	1.47E-08	2.18E-10	2.42E-08	5.30E-09	8.09E-09	5.38E-11	1.34E-08
3070	739109.21	4110254.74	6.11E-08	1.03E-07	1.13E-09	1.65E-07	9.48E-09	1.69E-08	1.70E-10	2.65E-08	9.22E-09	1.45E-08	2.16E-10	2.39E-08	5.24E-09	8.00E-09	5.33E-11	1.33E-08
3071	739101.8	4110212.76	6.00E-08	1.01E-07	1.11E-09	1.62E-07	9.31E-09	1.66E-08	1.67E-10	2.60E-08	9.05E-09	1.43E-08	2.12E-10	2.35E-08	5.14E-09	7.86E-09	5.23E-11	1.31E-08
3072	739094.39	4110170.78	5.86E-08	9.86E-08	1.09E-09	1.58E-07	9.08E-09	1.62E-08	1.63E-10	2.54E-08	8.83E-09	1.39E-08	2.07E-10	2.29E-08	5.02E-09	7.67E-09	5.10E-11	1.27E-08
3073	739086.97	4110128.8	5.69E-08	9.58E-08	1.06E-09	1.54E-07	8.83E-09	1.57E-08	1.58E-10	2.47E-08	8.58E-09	1.35E-08	2.01E-10	2.23E-08	4.88E-09	7.45E-09	4.96E-11	1.24E-08
3074	739079.56	4110086.82	5.52E-08	9.29E-08	1.02E-09	1.49E-07	8.56E-09	1.52E-08	1.54E-10	2.39E-08	8.32E-09	1.31E-08	1.95E-10	2.16E-08	4.73E-09	7.23E-09	4.81E-11	1.20E-08
3075	739072.15	4110044.84	5.35E-08	9.00E-08	9.92E-10	1.44E-07	8.29E-09	1.47E-08	1.49E-10	2.32E-08	8.06E-09	1.27E-08	1.89E-10	2.09E-08	4.58E-09	7.00E-09	4.66E-11	1.16E-08
3076	739064.73	4110002.85	5.17E-08	8.70E-08	9.59E-10	1.40E-07	8.02E-09	1.43E-08	1.44E-10	2.24E-08	7.80E-09	1.23E-08	1.83E-10	2.03E-08	4.43E-09	6.77E-09	4.51E-11	1.13E-08

3077	739057.32	4109960.87	5.00E-08	8.42E-08	9.28E-10	1.35E-07	7.76E-09	1.38E-08	1.39E-10	2.17E-08	7.54E-09	1.19E-08	1.77E-10	1.96E-08	4.29E-09	6.55E-09	4.36E-11	1.09E-08
3078	739049.91	4109918.89	4.84E-08	8.14E-08	8.97E-10	1.31E-07	7.50E-09	1.33E-08	1.35E-10	2.10E-08	7.29E-09	1.15E-08	1.71E-10	1.90E-08	4.15E-09	6.33E-09	4.21E-11	1.05E-08
3079	739042.5	4109876.91	4.68E-08	7.87E-08	8.67E-10	1.26E-07	7.25E-09	1.29E-08	1.30E-10	2.03E-08	7.05E-09	1.11E-08	1.65E-10	1.83E-08	4.01E-09	6.12E-09	4.07E-11	1.02E-08
3080	739035.08	4109834.93	4.53E-08	7.62E-08	8.40E-10	1.22E-07	7.02E-09	1.25E-08	1.26E-10	1.96E-08	6.83E-09	1.08E-08	1.60E-10	1.77E-08	3.88E-09	5.93E-09	3.95E-11	9.85E-09
3081	739027.67	4109792.95	4.39E-08	7.39E-08	8.15E-10	1.19E-07	6.81E-09	1.21E-08	1.22E-10	1.91E-08	6.63E-09	1.04E-08	1.55E-10	1.72E-08	3.77E-09	5.75E-09	3.83E-11	9.56E-09
3082	739020.26	4109750.97	4.28E-08	7.20E-08	7.93E-10	1.16E-07	6.63E-09	1.18E-08	1.19E-10	1.85E-08	6.45E-09	1.02E-08	1.51E-10	1.68E-08	3.66E-09	5.60E-09	3.73E-11	9.30E-09
3083	739012.84	4109708.99	4.18E-08	7.03E-08	7.75E-10	1.13E-07	6.48E-09	1.15E-08	1.16E-10	1.81E-08	6.30E-09	9.92E-09	1.48E-10	1.64E-08	3.58E-09	5.47E-09	3.64E-11	9.09E-09
3084	739005.43	4109667.01	4.10E-08	6.91E-08	7.61E-10	1.11E-07	6.36E-09	1.13E-08	1.14E-10	1.78E-08	6.19E-09	9.74E-09	1.45E-10	1.61E-08	3.52E-09	5.37E-09	3.58E-11	8.93E-09
3085	738998.02	4109625.03	4.05E-08	6.82E-08	7.52E-10	1.09E-07	6.28E-09	1.12E-08	1.13E-10	1.76E-08	6.11E-09	9.62E-09	1.43E-10	1.59E-08	3.47E-09	5.31E-09	3.53E-11	8.81E-09
3086	738990.6	4109583.05	4.02E-08	6.77E-08	7.46E-10	1.09E-07	6.24E-09	1.11E-08	1.12E-10	1.74E-08	6.06E-09	9.55E-09	1.42E-10	1.58E-08	3.45E-09	5.27E-09	3.50E-11	8.75E-09
3087	738983.19	4109541.07	4.01E-08	6.75E-08	7.44E-10	1.08E-07	6.22E-09	1.11E-08	1.12E-10	1.74E-08	6.05E-09	9.52E-09	1.42E-10	1.57E-08	3.44E-09	5.25E-09	3.49E-11	8.72E-09
3088	738975.78	4109499.09	4.02E-08	6.76E-08	7.45E-10	1.09E-07	6.23E-09	1.11E-08	1.12E-10	1.74E-08	6.06E-09	9.54E-09	1.42E-10	1.57E-08	3.44E-09	5.26E-09	3.50E-11	8.74E-09
3089	738968.37	4109457.11	4.04E-08	6.79E-08	7.48E-10	1.09E-07	6.26E-09	1.11E-08	1.12E-10	1.75E-08	6.09E-09	9.58E-09	1.43E-10	1.58E-08	3.46E-09	5.28E-09	3.52E-11	8.78E-09
3090	738960.95	4109415.12	4.06E-08	6.83E-08	7.53E-10	1.10E-07	6.29E-09	1.12E-08	1.13E-10	1.76E-08	6.12E-09	9.64E-09	1.43E-10	1.59E-08	3.48E-09	5.31E-09	3.54E-11	8.83E-09
3091	738953.54	4109373.14	4.08E-08	6.87E-08	7.57E-10	1.10E-07	6.33E-09	1.13E-08	1.14E-10	1.77E-08	6.15E-09	9.69E-09	1.44E-10	1.60E-08	3.50E-09	5.34E-09	3.56E-11	8.88E-09
3092	738946.13	4109331.16	4.10E-08	6.89E-08	7.60E-10	1.11E-07	6.35E-09	1.13E-08	1.14E-10	1.78E-08	6.18E-09	9.72E-09	1.45E-10	1.60E-08	3.51E-09	5.36E-09	3.57E-11	8.91E-09
3093	738938.71	4109289.18	4.09E-08	6.89E-08	7.59E-10	1.11E-07	6.35E-09	1.13E-08	1.14E-10	1.78E-08	6.17E-09	9.72E-09	1.45E-10	1.60E-08	3.51E-09	5.36E-09	3.57E-11	8.91E-09
3094	738943.48	4109229.71	4.09E-08	6.88E-08	7.59E-10	1.10E-07	6.34E-09	1.13E-08	1.14E-10	1.77E-08	6.17E-09	9.71E-09	1.44E-10	1.60E-08	3.50E-09	5.36E-09	3.56E-11	8.90E-09
3095	738967.84	4109194.73	4.10E-08	6.91E-08	7.61E-10	1.11E-07	6.36E-09	1.13E-08	1.14E-10	1.78E-08	6.19E-09	9.74E-09	1.45E-10	1.61E-08	3.52E-09	5.37E-09	3.58E-11	8.93E-09
3096	738992.2	4109159.74	4.09E-08	6.89E-08	7.59E-10	1.11E-07	6.35E-09	1.13E-08	1.14E-10	1.78E-08	6.17E-09	9.72E-09	1.45E-10	1.60E-08	3.51E-09	5.36E-09	3.57E-11	8.91E-09
3097	739016.57	4109124.76	4.06E-08	6.83E-08	7.53E-10	1.10E-07	6.29E-09	1.12E-08	1.13E-10	1.76E-08	6.12E-09	9.63E-09	1.43E-10	1.59E-08	3.48E-09	5.31E-09	3.54E-11	8.83E-09
3098	739040.93	4109089.78	4.00E-08	6.73E-08	7.42E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.73E-08	6.03E-09	9.49E-09	1.41E-10	1.57E-08	3.43E-09	5.24E-09	3.48E-11	8.70E-09
3099	739065.29	4109054.79	3.92E-08	6.60E-08	7.27E-10	1.06E-07	6.08E-09	1.08E-08	1.09E-10	1.70E-08	5.91E-09	9.30E-09	1.38E-10	1.54E-08	3.36E-09	5.13E-09	3.41E-11	8.52E-09
3100	739089.65	4109019.81	3.82E-08	6.43E-08	7.09E-10	1.03E-07	5.93E-09	1.05E-08	1.06E-10	1.66E-08	5.76E-09	9.07E-09	1.35E-10	1.50E-08	3.27E-09	5.00E-09	3.33E-11	8.31E-09
3101	739114.01	4108984.83	3.71E-08	6.24E-08	6.87E-10	1.00E-07	5.75E-09	1.02E-08	1.03E-10	1.61E-08	5.59E-09	8.80E-09	1.31E-10	1.45E-08	3.18E-09	4.85E-09	3.23E-11	8.06E-09
3102	739138.38	4108949.84	3.58E-08	6.02E-08	6.64E-10	9.67E-08	5.55E-09	9.88E-09	9.96E-11	1.55E-08	5.40E-09	8.50E-09	1.26E-10	1.40E-08	3.07E-09	4.69E-09	3.12E-11	7.79E-09
3103	739162.74	4108914.86	3.45E-08	5.80E-08	6.39E-10	9.31E-08	5.34E-09	9.51E-09	9.59E-11	1.49E-08	5.20E-09	8.18E-09	1.22E-10	1.35E-08	2.95E-09	4.51E-09	3.00E-11	7.49E-09
3104	739187.1	4108879.88	3.31E-08	5.57E-08	6.14E-10	8.94E-08	5.13E-09	9.13E-09	9.21E-11	1.44E-08	4.99E-09	7.86E-09	1.17E-10	1.30E-08	2.84E-09	4.33E-09	2.88E-11	7.20E-09
3105	739211.46	4108844.89	3.17E-08	5.34E-08	5.89E-10	8.57E-08	4.92E-09	8.76E-09	8.83E-11	1.38E-08	4.79E-09	7.53E-09	1.12E-10	1.24E-08	2.72E-09	4.16E-09	2.76E-11	6.90E-09
3106	739235.82	4108809.91	3.04E-08	5.12E-08	5.65E-10	8.22E-08	4.72E-09	8.40E-09	8.47E-11	1.32E-08	4.59E-09	7.23E-09	1.08E-10	1.19E-08	2.61E-09	3.99E-09	2.65E-11	6.62E-09
3107	739260.18	4108774.93	2.92E-08	4.92E-08	5.42E-10	7.90E-08	4.53E-09	8.07E-09	8.14E-11	1.27E-08	4.41E-09	6.94E-09	1.03E-10	1.15E-08	2.51E-09	3.83E-09	2.55E-11	6.36E-09
3108	739284.55	4108739.94	2.82E-08	4.74E-08	5.23E-10	7.61E-08	4.37E-09	7.78E-09	7.84E-11	1.22E-08	4.25E-09	6.69E-09	9.96E-11	1.10E-08	2.41E-09	3.69E-09	2.46E-11	6.13E-09
3109	739308.91	4108704.96	2.72E-08	4.59E-08	5.05E-10	7.36E-08	4.23E-09	7.52E-09	7.58E-11	1.18E-08	4.11E-09	6.47E-09	9.63E-11	1.07E-08	2.33E-09	3.57E-09	2.37E-11	5.93E-09
3110	739333.27	4108669.98	2.64E-08	4.45E-08	4.90E-10	7.14E-08	4.10E-09	7.29E-09	7.36E-11	1.15E-08	3.99E-09	6.28E-09	9.34E-11	1.04E-08	2.27E-09	3.46E-09	2.30E-11	5.75E-09
3111	739357.63	4108634.99	2.57E-08	4.33E-08	4.77E-10	6.95E-08	3.99E-09	7.09E-09	7.15E-11	1.12E-08	3.88E-09	6.11E-09	9.08E-11	1.01E-08	2.20E-09	3.37E-09	2.24E-11	5.59E-09
3112	739381.99	4108600.01	2.50E-08	4.21E-08	4.64E-10	6.76E-08	3.88E-09	6.90E-09	6.96E-11	1.09E-08	3.77E-09	5.94E-09	8.84E-11	9.80E-09	2.14E-09	3.28E-09	2.18E-11	5.44E-09
3113	739406.36	4108565.03	2.43E-08	4.10E-08	4.52E-10	6.58E-08	3.78E-09	6.72E-09	6.77E-11	1.06E-08	3.67E-09	5.78E-09	8.60E-11	9.54E-09	2.09E-09	3.19E-09	2.12E-11	5.29E-09
3114	739430.72	4108530.04	2.36E-08	3.98E-08	4.38E-10	6.38E-08	3.66E-09	6.52E-09	6.57E-11	1.02E-08	3.56E-09	5.61E-09	8.35E-11	9.26E-09	2.02E-09	3.09E-09	2.06E-11	5.14E-09
3115	739455.08	4108495.06	2.29E-08	3.85E-08	4.24E-10	6.18E-08	3.55E-09	6.31E-09	6.37E-11	9.92E-09	3.45E-09	5.43E-09	8.08E-11	8.96E-09	1.96E-09	3.00E-09	1.99E-11	4.98E-09
3116	739479.44	4108460.08	2.21E-08	3.71E-08	4.09E-10	5.96E-08	3.42E-09	6.09E-09	6.14E-11	9.57E-09	3.33E-09	5.24E-09	7.79E-11	8.64E-09	1.89E-09	2.89E-09	1.92E-11	4.80E-09
3117	739503.8	4108425.09	2.12E-08	3.57E-08	3.93E-10	5.73E-08	3.29E-09	5.85E-09	5.90E-11	9.20E-09	3.20E-09	5.03E-09	7.49E-11	8.31E-09	1.82E-09	2.78E-09	1.85E-11	4.61E-09
3118	739528.16	4108390.11	2.03E-08	3.42E-08	3.77E-10	5.49E-08	3.15E-09	5.61E-09	5.66E-11	8.82E-09	3.07E-09	4.83E-09	7.18E-11	7.97E-09	1.74E-09	2.66E-09	1.77E-11	4.42E-09
3119	739552.53	4108355.13	1.95E-08	3.28E-08	3.61E-10	5.26E-08	3.02E-09	5.38E-09	5.42E-11	8.45E-09	2.94E-09	4.63E-09	6.88E-11	7.63E-09	1.67E-09	2.55E-09	1.70E-11	4.24E-09
3120	739576.89	4108320.14	1.87E-08	3.15E-08	3.47E-10	5.05E-08	2.90E-09	5.16E-09	5.21E-11	8.12E-09	2.82E-09	4.44E-09	6.61E-11	7.33E-09	1.60E-09	2.45E-09	1.63E-11	4.07E-09
3121	739601.25	4108285.16	1.80E-08	3.04E-08	3.35E-10	4.88E-08	2.80E-09	4.98E-09	5.02E-11	7.83E-09	2.72E-09	4.28E-09	6.38E-11	7.07E-09	1.55E-09	2.36E-09	1.57E-11	3.93E-09
3122	739625.61	4108250.18	1.75E-08	2.95E-08	3.25E-10	4.73E-08	2.72E-09	4.84E-09	4.88E-11	7.60E-09	2.64E-09	4.16E-09	6.19E-11	6.87E-09	1.50E-09	2.29E-09	1.53E-11	3.81E-09
3123	739649.97	4108215.19	1.72E-08	2.89E-08	3.18E-10	4.64E-08	2.66E-09	4.74E-09	4.78E-11	7.44E-09	2.59E-09	4.07E-09	6.06E-11	6.72E-09	1.47E-09	2.25E-09	1.50E-11	3.73E-09
3124	739674.34	4108180.21	1.70E-08	2.86E-08	3.15E-10	4.58E-08	2.63E-09	4.68E-09	4.72E-11	7.36E-09	2.56E-09	4.03E-09	5.99E-11	6.65E-09	1.45E-09	2.22E-09	1.48E-11	3.69E-09
3125	739698.7	4108145.23	1.69E-08	2.85E-08	3.14E-10	4.58E-08	2.63E-09	4.67E-09	4.71E-11	7.35E-09	2.55E-09	4.02E-09	5.98E-11	6.63E-09	1.45E-09	2.22E-09	1.48E-11	3.68E-09
3126	739723.06	4108110.24	1.70E-08	2.87E-08	3.16E-10	4.60E-08	2.64E-09	4.70E-09	4.74E-11	7.39E-09	2.57E-09	4.04E-09	6.02E-11	6.67E-09	1.46E-09	2.23E-09	1.48E-11	3.71E-09
3127	739747.42	4108075.26	1.72E-08	2.90E-08	3.20E-10	4.66E-08	2.67E-09	4.76E-09	4.80E-11	7.48E-09	2.60E-09	4.09E-09	6.09E-11	6.75E-09	1.48E-09	2.26E-09	1.50E-11	3.75E-09
3128	739771.78	4108040.28	1.75E-08	2.95E-08	3.25E-10	4.73E-08	2.72E-09	4.83E-09	4.87E-11	7.59E-09	2.64E-09	4.16E-09	6.18E-11	6.86E-09	1.50E-09	2.29E-09	1.53E-11	3.81E-09
3129	739796.14	4108005.29	1.78E-08	3.00E-08	3.30E-10	4.81E-08	2.76E-09	4.91E-09	4.96E-11	7.73E-09	2.69E-09	4.23E-09	6.29E-11	6.98E-09	1.53E-09	2.33E-09	1.55E-11	3.87E-09
3130	739820.51	4107970.31	1.81E-08	3.05E-08	3.36E-10	4.89E-08	2.81E-09	5.00E-09	5.04E-11	7.86E-09	2.73E-09	4.30E-09	6.40E-11	7.10E-09	1.55E-09	2.37E-09	1.58E-11	3.94E-09
3131	739844.87	4107935.32	1.84E-08	3.09E-08	3.41E-10	4.96E-08	2.85E-09	5.07E-09	5.11E-11	7.97E-09	2.77E-09	4.36E-09	6.49E-11	7.20E-09	1.57E-09	2.41E-09	1.60E-11	4.00E-09
3132	739869.23	4107900.34	1.86E-08	3.13E-08	3.45E-10	5.02E-08	2.88E-09	5.13E-09	5.17E-11	8.07E-09	2.80E-09	4.41E-09	6.57E-11	7.28E-09	1.59E-09	2.43E-09	1.62E-11	4.04E-09
3133	739893.59	4107865.36	1.88E-08	3.16E-08	3.48E-10	5.07E-08	2.91E-09	5.17E-09	5.22E-11	8.13E-09	2.83E-09	4.45E-09	6.62E-11	7.35E-09	1.61E-09	2.46E-09	1.63E-11	4.08E-09
3134	739917.95	4107830.37	1.89E-08	3.17E-08	3.50E-10	5.09E-08	2.92E-09	5.20E-09	5.25E-11	8.18E-09	2.84E-09	4.48E-09	6.66E-11	7.39E-09	1.62E-09	2.47E-09	1.64E-11	4.10E-09
3135	739942.32	4107795.39	1.89E-08	3.18E-08	3.51E-10	5.10E-08	2.93E-09	5.21E-09	5.26E-11	8.20E-09	2.85E-09	4.49E-09	6.68E-11	7.40E-09	1.62E-09	2.47E-09	1.65E-11	4.11E-09
3136	739966.68	4107760.41	1.89E-08	3.18E-08	3.50E-10	5.10E-08	2.93E-09	5.21E-09	5.26E-11	8.19E-09	2.85E-09	4.48E-09	6.67E-11	7.40E-09	1.62E-09	2.47E-09	1.65E-11	4.11E-09
3137	739991.04	4107725.42	1.88E-08	3.17E-08	3.49E-10	5.09E-08	2.92E-09	5.20E-09	5.24E-11	8.17E-09	2.84E-09	4.47E-09	6.65E-11	7.38E-09	1.61E-09	2.47E-09	1.64E-11	4.10E-09
3138	740015.4	4107690.44	1.87E-08	3.15E-08	3.47E-10	5.06E-08	2.90E-09	5.17E-09	5.21E-11	8.12E-09	2.82E-09	4.45E-09	6.62E-11	7.34E-09	1.60E-09	2.45E-09	1.63E-11	4.07E-09
3139	740039.76	4107655.46	1.86E-08	3.13E-08	3.45E-10	5.02E-08	2.88E-09	5.13E-09	5.17E-11	8.07E-09	2.80E-09	4.41E-09	6.57E-11	7.28E-09	1.59E-09	2.43E-09	1.62E-11	4.04E-09
3140	740064.12	4107620.47	1.84E-08	3.10E-08	3.42E-10	4.98E-08	2.86E-09	5.08E-09	5.12E-11	7.99E-09	2.78E-09	4.37E-09	6.51E-11	7.21E-09	1.58E-09	2.41E-09	1.60E-11	4.01E-09
3141	740088.49	4107585.49	1.82E-08	3.06E-08	3.37E-10	4.91E-08	2.82E-09	5.02E-09	5.06E-11	7.89E-09	2.74E-09	4.32E-09	6.43E-11	7.13E-09	1.56E-09	2.38E-09	1.58E-11	3.96E-09
3142	740112.85	4107550.51	1.79E-08	3.01E-08	3.32E-10	4.84E-08	2.78E-09	4.94E-09	4.98E-11	7.77E-09	2.70E-09	4.25E-09	6.32E-11	7.01E-09	1.53E-09	2.34E-09	1.56E-11	3.89E-09
3143	740137.21	4107515.52	1.76E-08	2.96E-08	3.26E-10	4.75E-08	2.72E-09	4.85E-09	4.89E-11	7.62E-09	2.65E-09	4.17E-09	6.21E-11	6.88E-09	1.51E-09	2.30E-09	1.53E-11	3.82E-09
3144	740161.57	4107480.54	1.72E-08	2.89E-08	3.19E-10	4.64E-08	2.66E-09	4.74E-09	4.78E-11	7.45E-09	2.59E-09	4.08E-09	6.07E-11	6.73E-09	1.47E-09	2.25E-09	1.50E-11	3.74E-09
3145	740185.93	4107445.56	1.67E-08	2.81E-08	3.10E-10	4.52E-08	2.59E-09	4.61E-09	4.65E-11	7.25E-09	2.52E-09	3.97E-09	5.91E-11	6.55E-09	1.43E-09	2.19E-09	1.46E-11	3.64E-09
3146	740210.29	4107410.57	1.62E-08	2.73E-08	3.01E-10	4.39E-08	2.52E-09	4.48E-09	4.52E-11	7.04E-09	2.45E-09	3.85E-09	5.74E-11	6.36E-09	1.39E-09	2.13E-09	1.41E-11	3.53E-09
3147	740234.66	4107375.59	1.57E-08	2.64E-08	2.91E-10	4.24E-08	2.44E-09	4.33E-09	4.37E-11	6.81E-09	2.37E-09	3.73E-09	5.55E-11	6.15E-09	1.35E-09	2.06E-09	1.37E-11	3.42E-09
3148	740259.02	4107340.61	1.52E-08	2.55E-08	2.81E-10	4.10E-08	2.35E-09	4.19E-09	4.22E-11	6.58E-09	2.29E-09	3.60E-09	5.36E-11	5.94E-09	1.30E-09	1.99E-09	1.32E-11	3.30E-09
3149	739354.16	4111595.13	4.16E-08	7.00E-08	7.72E-10	1.12E-07	6.45E-09	1.15E-08	1.16E-10	1.80E-08	6.27E-09	9.88E-09	1.47E-10	1.63E-08	3.57E-09	5.45E-09	3.62E-11	9.05E-09
3150	739377.05	4111631.12	4.18E-08	7.04E-08	7.76E-10	1.13E-07	6.49E-09	1.15E-08	1.16E-10	1.81E-08	6.31E-09	9.93E-09	1.48E-10	1.64E-08	3.58E-09	5.48E-09	3.64E-11	9.10E-09
3151	741983.3	4109969.55	1.52E-05	2.57E-05	2.83E-07	4.12E-05	2.36E-06	4.21E-06	4.24E-08	6.61E-06	2.30E-06	3.62E-06	5.39E-08	5.97E-06	1.31E-06	2.00E-06	1.33E-08	3.32E-06
3152	741969.79	4109948.52	1.37E-05	2.30E-05	2.53E-07	3.69E-05	2.12E-06	3.77E-06	3.80E-08	5.93E-06	2.06E-06	3.24E-06	4.83E-08	5.35E-06	1.17E-06	1.79E-06	1.19E-08	2.97E-06
3153	741956.96	4109930.17	1.09E-05	1.84E-05	2.02E-07	2.95E-05	1.69E-06	3.01E-06	3.04E-08	4.73E-06	1.65E-06	2.59E-06	3.86E-08	4.28E-06	9.35E-07	1.43E-06	9.51E-09	2.37E-06
3154	741881.9	4109826.95	1.54E-06	2.59E-06	2.85E-08	4.15E-06	2.38E-07	4.24E-07	4.28E-09	6.67E-07	2.32E-07	3.65E-07	5.43E-09	6.02E-07	1.32E-07	2.01E-07	1.34E-09	3.34E-07
3155	741854.89	4109784.88	1.00E-06	1.68E-06	1.85E-08	2.70E-06	1.55E-07	2.76E-07	2.78E-09	4.34E-07	1.51E-07	2.37E-07	3.53E-09	3.92E-07	8.57E-08	1.31E-07	8.71E-10	2.17E-07
3156	741827.87	4109742.8	7.10E-07	1.20E-06	1.32E-08	1.92E-06	1.10E-07	1.96E-07	1.98E-09	3.08E-07	1.07E-07	1.69E-07	2.51E-09	2.78E-07	6.09E-08	9.30E-08	6.19E-10	1.54E-07
3157	741798.74	4109761.51	7.40E-07	1.25E-06	1.37E-08	2.00E-06	1.15E-07	2.04E-07	2.06E-09	3.21E-07	1.12E-07	1.76E-07	2.61E-09	2.90E-07	6.34E-08	9.69E-08	6.45E-10	1.61E-07
3158	741773.84	4109658.66	4.23E-07	7.12E-07	7.85E-09	1.14E-06	6.56E-08	1.17E-07	1.18E-09	1.84E-07	6.38E-08	1.00E-07	1.50E-09	1.66E-07	3.63E-08	5.54E-08	3.69E-10	9.21E-08
3159	741744.71	4109677.36	4.33E-07	7.29E-07	8.04E-09	1.17E-06	6.72E-08	1.20E-07	1.21E-09	1.88E-07	6.54E-08	1.03E-07	1.53E-09	1.70E-07	3.71E-08	5.67E-08	3.78E-10	9.43E-08
3160	741719.81	4109574.51	2.88E-07	4.85E-07	5.35E-09	7.79E-07	4.47E-08	7.95E-08	8.02E-10	1.25E-07	4.35E-08	6.84E-08	1.02E-09	1.13E-07	2.47E-08	3.78E-08	2.51E-10	6.27E-08
3161	741690.68	4109593.22	2.93E-07	4.93E-07	5.43E-09	7.91E-07	4.54E-08	8.08E-08	8.14E-10	1.27E-07	4.41E-08	6.95E-08	1.03E-09	1.15E-07	2.51E-08	3.83E-08	2.55E-10	6.37E-08
3162	741665.78	4109490.36	2.13E-07	3.58E-07	3.94E-09	5.74E-07	3.30E-08	5.87E-08	5.92E-10	9.22E-08	3.21E-08	5.05E-08	7.51E-10	8.33E-08	1.82E-08	2.78E-08	1.85E-10	4.63E-08
3163	741636.64	4109509.07	2.16E-07	3.63E-07	4.00E-09	5.82E-07	3.34E-08	5.95E-08	6.00E-10	9.35E-08	3.25E-08	5.12E-08	7.61E-10	8.44E-08	1.85E-08	2.82E-08	1.88E-10	4.69E-08
3164	741611.75	4109406.22	1.65E-07	2.78E-07	3.06E-09	4.46E-07	2.56E-08	4.56E-08	4.60E-10	7.17E-08	2.49E-08	3.92E-08	5.84E-10	6.47E-08	1.42E-08	2.16E-08	1.44E-10	3.59E-08

3165	741582.61	4109424.92	1.67E-07	2.82E-07	3.11E-09	4.52E-07	2.60E-08	4.62E-08	4.66E-10	7.26E-08	2.53E-08	3.98E-08	5.92E-10	6.56E-08	1.44E-08	2.19E-08	1.46E-10	3.64E-08
3166	741518.25	4109228.57	1.09E-07	1.84E-07	2.03E-09	2.95E-07	1.69E-08	3.02E-08	3.04E-10	4.74E-08	1.65E-08	2.59E-08	3.86E-10	4.28E-08	9.36E-09	1.43E-08	9.52E-11	2.38E-08
3167	741489.12	4109247.28	1.11E-07	1.87E-07	2.07E-09	3.01E-07	1.73E-08	3.07E-08	3.10E-10	4.83E-08	1.68E-08	2.64E-08	3.93E-10	4.36E-08	9.54E-09	1.46E-08	9.70E-11	2.42E-08
3168	741410.19	4109060.28	7.92E-08	1.33E-07	1.47E-09	2.14E-07	1.23E-08	2.19E-08	2.20E-10	3.44E-08	1.19E-08	1.88E-08	2.80E-10	3.10E-08	6.79E-09	1.04E-08	6.90E-11	1.72E-08
3169	741381.06	4109078.98	8.10E-08	1.36E-07	1.50E-09	2.19E-07	1.26E-08	2.23E-08	2.25E-10	3.51E-08	1.22E-08	1.92E-08	2.86E-10	3.17E-08	6.94E-09	1.06E-08	7.05E-11	1.76E-08
3170	741302.13	4108891.98	6.06E-08	1.02E-07	1.12E-09	1.64E-07	9.40E-09	1.67E-08	1.69E-10	2.63E-08	9.14E-09	1.44E-08	2.14E-10	2.37E-08	5.19E-09	7.94E-09	5.28E-11	1.32E-08
3171	741272.99	4108910.69	6.21E-08	1.04E-07	1.15E-09	1.68E-07	9.62E-09	1.71E-08	1.73E-10	2.69E-08	9.36E-09	1.47E-08	2.19E-10	2.43E-08	5.32E-09	8.13E-09	5.41E-11	1.35E-08
3172	741194.07	4108723.69	4.81E-08	8.10E-08	8.93E-10	1.30E-07	7.47E-09	1.33E-08	1.34E-10	2.09E-08	7.26E-09	1.14E-08	1.70E-10	1.89E-08	4.12E-09	6.30E-09	4.19E-11	1.05E-08
3173	741164.93	4108742.4	4.94E-08	8.31E-08	9.16E-10	1.33E-07	7.66E-09	1.36E-08	1.37E-10	2.14E-08	7.45E-09	1.17E-08	1.74E-10	1.93E-08	4.23E-09	6.47E-09	4.30E-11	1.07E-08
3174	740977.94	4108387.1	3.29E-08	5.54E-08	6.11E-10	8.90E-08	5.11E-09	9.09E-09	9.16E-11	1.43E-08	4.97E-09	7.82E-09	1.16E-10	1.29E-08	2.82E-09	4.31E-09	2.87E-11	7.16E-09
3175	740948.81	4108405.81	3.38E-08	5.69E-08	6.27E-10	9.13E-08	5.24E-09	9.33E-09	9.41E-11	1.47E-08	5.10E-09	8.03E-09	1.19E-10	1.32E-08	2.90E-09	4.43E-09	2.95E-11	7.35E-09
3176	740761.82	4108050.52	2.43E-08	4.09E-08	4.51E-10	6.56E-08	3.77E-09	6.70E-09	6.76E-11	1.05E-08	3.66E-09	5.77E-09	8.58E-11	9.52E-09	2.08E-09	3.18E-09	2.12E-11	5.28E-09
3177	740732.68	4108069.22	2.49E-08	4.20E-08	4.63E-10	6.74E-08	3.87E-09	6.88E-09	6.94E-11	1.08E-08	3.76E-09	5.92E-09	8.81E-11	9.77E-09	2.14E-09	3.27E-09	2.17E-11	5.42E-09
3178	740545.69	4107713.93	1.89E-08	3.18E-08	3.51E-10	5.11E-08	2.93E-09	5.22E-09	5.26E-11	8.20E-09	2.85E-09	4.49E-09	6.68E-11	7.41E-09	1.62E-09	2.48E-09	1.65E-11	4.11E-09
3179	740516.56	4107732.64	1.94E-08	3.26E-08	3.60E-10	5.24E-08	3.01E-09	5.35E-09	5.40E-11	8.41E-09	2.92E-09	4.60E-09	6.85E-11	7.60E-09	1.66E-09	2.54E-09	1.69E-11	4.22E-09
3180	740329.57	4107377.34	1.53E-08	2.57E-08	2.83E-10	4.12E-08	2.37E-09	4.21E-09	4.25E-11	6.62E-09	2.30E-09	3.62E-09	5.39E-11	5.98E-09	1.31E-09	2.00E-09	1.33E-11	3.32E-09
3181	740300.44	4107396.05	1.56E-08	2.63E-08	2.90E-10	4.22E-08	2.43E-09	4.32E-09	4.35E-11	6.78E-09	2.36E-09	3.71E-09	5.52E-11	6.13E-09	1.34E-09	2.05E-09	1.36E-11	3.40E-09
3182	741990.48	4109983.24	1.58E-05	2.66E-05	2.93E-07	4.27E-05	2.45E-06	4.36E-06	4.40E-08	6.85E-06	2.38E-06	3.75E-06	5.58E-08	6.19E-06	1.35E-06	2.07E-06	1.38E-08	3.44E-06
3183	743559.57	4108987.29	1.21E-07	2.04E-07	2.24E-09	3.27E-07	1.88E-08	3.34E-08	3.37E-10	5.25E-08	1.82E-08	2.87E-08	4.27E-10	4.74E-08	1.04E-08	1.58E-08	1.05E-10	2.63E-08
3184	743536.45	4108951.29	1.20E-07	2.01E-07	2.22E-09	3.23E-07	1.86E-08	3.30E-08	3.33E-10	5.19E-08	1.80E-08	2.84E-08	4.23E-10	4.69E-08	1.03E-08	1.57E-08	1.04E-10	2.60E-08
3185	743513.34	4108915.3	1.17E-07	1.97E-07	2.18E-09	3.17E-07	1.82E-08	3.24E-08	3.26E-10	5.09E-08	1.77E-08	2.79E-08	4.15E-10	4.60E-08	1.01E-08	1.54E-08	1.02E-10	2.55E-08
3186	743896.14	4108771.15	8.74E-08	1.47E-07	1.62E-09	2.36E-07	1.36E-08	2.41E-08	2.43E-10	3.79E-08	1.32E-08	2.07E-08	3.09E-10	3.42E-08	7.49E-09	1.14E-08	7.61E-11	1.90E-08
3187	743873.03	4108735.15	8.68E-08	1.46E-07	1.61E-09	2.34E-07	1.35E-08	2.39E-08	2.41E-10	3.76E-08	1.31E-08	2.06E-08	3.07E-10	3.40E-08	7.43E-09	1.14E-08	7.56E-11	1.89E-08
3188	743849.91	4108699.16	8.56E-08	1.44E-07	1.59E-09	2.31E-07	1.33E-08	2.36E-08	2.38E-10	3.71E-08	1.29E-08	2.03E-08	3.02E-10	3.35E-08	7.34E-09	1.12E-08	7.46E-11	1.86E-08
3189	744232.72	4108555.01	6.75E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.78E-09	8.84E-09	5.88E-11	1.47E-08
3190	744209.6	4108519.01	6.71E-08	1.13E-07	1.25E-09	1.81E-07	1.04E-08	1.85E-08	1.87E-10	2.91E-08	1.01E-08	1.59E-08	2.37E-10	2.63E-08	5.75E-09	8.79E-09	5.85E-11	1.46E-08
3191	744186.49	4108483.02	6.65E-08	1.12E-07	1.23E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.70E-09	8.71E-09	5.79E-11	1.45E-08
3192	744569.3	4108338.87	5.46E-08	9.19E-08	1.01E-09	1.48E-07	8.47E-09	1.51E-08	1.52E-10	2.37E-08	8.24E-09	1.30E-08	1.93E-10	2.14E-08	4.68E-09	7.15E-09	4.76E-11	1.19E-08
3193	744546.18	4108302.87	5.44E-08	9.16E-08	1.01E-09	1.47E-07	8.44E-09	1.50E-08	1.51E-10	2.36E-08	8.21E-09	1.29E-08	1.92E-10	2.13E-08	4.67E-09	7.13E-09	4.74E-11	1.18E-08
3194	744523.07	4108266.88	5.41E-08	9.10E-08	1.00E-09	1.46E-07	8.39E-09	1.49E-08	1.50E-10	2.35E-08	8.15E-09	1.28E-08	1.91E-10	2.12E-08	4.63E-09	7.08E-09	4.71E-11	1.18E-08
3195	741844.75	4109956.74	4.47E-06	7.53E-06	8.30E-08	1.21E-05	6.94E-07	1.23E-06	1.24E-08	1.94E-06	6.75E-07	1.06E-06	1.58E-08	1.75E-06	3.83E-07	5.86E-07	3.90E-09	9.73E-07
3196	741799.11	4109926.51	2.33E-06	3.92E-06	4.32E-08	6.29E-06	3.61E-07	6.43E-07	6.48E-09	1.01E-06	3.51E-07	5.53E-07	8.23E-09	9.12E-07	2.00E-07	3.05E-07	2.03E-09	5.07E-07
3197	741879.74	4109854.25	1.97E-06	3.31E-06	3.65E-08	5.31E-06	3.05E-07	5.43E-07	5.47E-09	8.53E-07	2.97E-07	4.67E-07	6.95E-09	7.70E-07	1.69E-07	2.58E-07	1.71E-09	4.28E-07
3198	741785.7	4109905.41	1.86E-06	3.12E-06	3.44E-08	5.01E-06	2.88E-07	5.12E-07	5.16E-09	8.05E-07	2.80E-07	4.40E-07	6.55E-09	7.27E-07	1.59E-07	2.43E-07	1.62E-09	4.04E-07
3199	741852.92	4109812.06	1.22E-06	2.05E-06	2.26E-08	3.29E-06	1.89E-07	3.36E-07	3.39E-09	5.28E-07	1.84E-07	2.89E-07	4.30E-09	4.77E-07	1.04E-07	1.59E-07	1.06E-09	2.65E-07
3200	741740.06	4109875.17	1.26E-06	2.13E-06	2.35E-08	3.42E-06	1.96E-07	3.49E-07	3.52E-09	5.48E-07	1.91E-07	3.00E-07	4.47E-09	4.95E-07	1.08E-07	1.66E-07	1.10E-09	2.75E-07
3201	741828.78	4109769.39	8.37E-07	1.41E-06	1.55E-08	2.26E-06	1.30E-07	2.31E-07	2.33E-09	3.63E-07	1.26E-07	1.99E-07	2.96E-09	3.28E-07	7.17E-08	1.10E-07	7.29E-10	1.82E-07
3202	741871.73	4109761.81	8.95E-07	1.51E-06	1.66E-08	2.42E-06	1.39E-07	2.47E-07	2.49E-09	3.88E-07	1.35E-07	2.12E-07	3.16E-09	3.50E-07	7.67E-08	1.17E-07	7.79E-10	1.95E-07
3203	741843.12	4109719.93	6.48E-07	1.09E-06	1.20E-08	1.75E-06	1.01E-07	1.79E-07	1.80E-09	2.81E-07	9.77E-08	1.54E-07	2.29E-09	2.54E-07	5.55E-08	8.49E-08	5.65E-10	1.41E-07
3204	742020.58	4109734.17	1.14E-06	1.92E-06	2.11E-08	3.07E-06	1.76E-07	3.14E-07	3.17E-09	4.94E-07	1.72E-07	2.70E-07	4.02E-09	4.46E-07	9.75E-08	1.49E-07	9.92E-10	2.48E-07
3205	741815.15	4109677.93	4.97E-07	8.36E-07	9.21E-09	1.34E-06	7.70E-08	1.37E-07	1.38E-09	2.15E-07	7.49E-08	1.18E-07	1.75E-09	1.95E-07	4.26E-08	6.51E-08	4.33E-10	1.08E-07
3206	741958.65	4109652.6	5.84E-07	9.83E-07	1.08E-08	1.58E-06	9.06E-08	1.61E-07	1.62E-09	2.53E-07	8.81E-08	1.39E-07	2.06E-09	2.29E-07	5.00E-08	7.65E-08	5.09E-10	1.27E-07
3207	741734.84	4109700.75	4.74E-07	7.97E-07	8.78E-09	1.28E-06	7.34E-08	1.31E-07	1.32E-09	2.05E-07	7.14E-08	1.12E-07	1.67E-09	1.85E-07	4.06E-08	6.20E-08	4.13E-10	1.03E-07
3208	741697.22	4109724.67	5.06E-07	8.52E-07	9.39E-09	1.37E-06	7.85E-08	1.40E-07	1.41E-09	2.19E-07	7.63E-08	1.20E-07	1.79E-09	1.98E-07	4.34E-08	6.63E-08	4.41E-10	1.10E-07
3209	741659.59	4109748.59	5.40E-07	9.09E-07	1.00E-08	1.46E-06	8.38E-08	1.49E-07	1.50E-09	2.34E-07	8.14E-08	1.28E-07	1.91E-09	2.12E-07	4.63E-08	7.07E-08	4.71E-10	1.17E-07
3210	741764.43	4109593.02	3.27E-07	5.50E-07	6.06E-09	8.83E-07	5.07E-08	9.01E-08	9.09E-10	1.42E-07	4.93E-08	7.76E-08	1.15E-09	1.28E-07	2.80E-08	4.28E-08	2.85E-10	7.11E-08
3211	741807.38	4109585.44	3.37E-07	5.67E-07	6.25E-09	9.10E-07	5.22E-08	9.29E-08	9.37E-10	1.46E-07	5.08E-08	8.00E-08	1.19E-09	1.32E-07	2.89E-08	4.41E-08	2.93E-10	7.33E-08
3212	741850.33	4109577.86	3.47E-07	5.84E-07	6.44E-09	9.37E-07	5.38E-08	9.57E-08	9.65E-10	1.51E-07	5.23E-08	8.24E-08	1.23E-09	1.36E-07	2.97E-08	4.54E-08	3.02E-10	7.55E-08
3213	741893.28	4109570.28	3.60E-07	6.06E-07	6.68E-09	9.74E-07	5.59E-08	9.94E-08	1.00E-09	1.56E-07	5.43E-08	8.56E-08	1.27E-09	1.41E-07	3.09E-08	4.72E-08	3.14E-10	7.84E-08
3214	742108.02	4109626.11	6.89E-07	1.16E-06	1.28E-08	1.86E-06	1.07E-07	1.90E-07	1.92E-09	2.99E-07	1.04E-07	1.64E-07	2.43E-09	2.70E-07	5.90E-08	9.02E-08	6.00E-10	1.50E-07
3215	741681.2	4109616.35	3.12E-07	5.24E-07	5.78E-09	8.42E-07	4.83E-08	8.60E-08	8.67E-10	1.35E-07	4.70E-08	7.40E-08	1.10E-09	1.22E-07	2.67E-08	4.08E-08	2.71E-10	6.78E-08
3216	741643.57	4109640.27	3.26E-07	5.48E-07	6.04E-09	8.79E-07	5.05E-08	8.98E-08	9.06E-10	1.41E-07	4.91E-08	7.73E-08	1.15E-09	1.28E-07	2.79E-08	4.26E-08	2.84E-10	7.08E-08
3217	741605.94	4109664.19	3.45E-07	5.81E-07	6.40E-09	9.32E-07	5.35E-08	9.52E-08	9.60E-10	1.50E-07	5.20E-08	8.19E-08	1.22E-09	1.35E-07	2.96E-08	4.52E-08	3.01E-10	7.50E-08
3218	741667.24	4109516.32	2.28E-07	3.84E-07	4.23E-09	6.16E-07	3.53E-08	6.29E-08	6.34E-10	9.89E-08	3.44E-08	5.41E-08	8.05E-10	8.93E-08	1.95E-08	2.98E-08	1.99E-10	4.96E-08
3219	741709	4109508.95	2.34E-07	3.94E-07	4.35E-09	6.33E-07	3.63E-08	6.46E-08	6.52E-10	1.02E-07	3.53E-08	5.56E-08	8.28E-10	9.18E-08	2.01E-08	3.07E-08	2.04E-10	5.10E-08
3220	741750.75	4109501.58	2.39E-07	4.03E-07	4.44E-09	6.46E-07	3.71E-08	6.60E-08	6.65E-10	1.04E-07	3.61E-08	5.68E-08	8.45E-10	9.37E-08	2.05E-08	3.13E-08	2.08E-10	5.20E-08
3221	741792.51	4109494.21	2.44E-07	4.11E-07	4.53E-09	6.60E-07	3.79E-08	6.74E-08	6.79E-10	1.06E-07	3.68E-08	5.80E-08	8.62E-10	9.56E-08	2.09E-08	3.20E-08	2.13E-10	5.31E-08
3222	741834.27	4109486.84	2.51E-07	4.22E-07	4.65E-09	6.78E-07	3.89E-08	6.92E-08	6.98E-10	1.09E-07	3.78E-08	5.95E-08	8.86E-10	9.82E-08	2.15E-08	3.28E-08	2.18E-10	5.45E-08
3223	742074.37	4109490.02	3.53E-07	5.94E-07	6.55E-09	9.53E-07	5.47E-08	9.74E-08	9.82E-10	1.53E-07	5.32E-08	8.38E-08	1.25E-09	1.38E-07	3.02E-08	4.62E-08	3.07E-10	7.68E-08
3224	742109.16	4109514.26	4.05E-07	6.82E-07	7.52E-09	1.09E-06	6.28E-08	1.12E-07	1.13E-09	1.76E-07	6.11E-08	9.62E-08	1.43E-09	1.59E-07	3.47E-08	5.31E-08	3.53E-10	8.81E-08
3225	742143.95	4109538.49	4.69E-07	7.90E-07	8.71E-09	1.27E-06	7.28E-08	1.30E-07	1.31E-09	2.04E-07	7.08E-08	1.11E-07	1.66E-09	1.84E-07	4.02E-08	6.15E-08	4.09E-10	1.02E-07
3226	741627.55	4109531.96	2.26E-07	3.81E-07	4.19E-09	6.11E-07	3.51E-08	6.24E-08	6.29E-10	9.81E-08	3.41E-08	5.37E-08	7.99E-10	8.86E-08	1.94E-08	2.96E-08	1.97E-10	4.92E-08
3227	741589.92	4109555.88	2.32E-07	3.90E-07	4.30E-09	6.26E-07	3.59E-08	6.40E-08	6.45E-10	1.01E-07	3.50E-08	5.50E-08	8.19E-10	9.08E-08	1.99E-08	3.04E-08	2.02E-10	5.04E-08
3228	741552.29	4109579.8	2.41E-07	4.06E-07	4.47E-09	6.51E-07	3.74E-08	6.65E-08	6.71E-10	1.05E-07	3.63E-08	5.72E-08	8.52E-10	9.44E-08	2.07E-08	3.16E-08	2.10E-10	5.24E-08
3229	741614.19	4109431.82	1.75E-07	2.95E-07	3.25E-09	4.74E-07	2.72E-08	4.84E-08	4.88E-10	7.61E-08	2.64E-08	4.16E-08	6.19E-10	6.87E-08	1.50E-08	2.30E-08	1.53E-10	3.81E-08
3230	741657.14	4109424.24	1.79E-07	3.01E-07	3.32E-09	4.83E-07	2.77E-08	4.94E-08	4.98E-10	7.76E-08	2.70E-08	4.25E-08	6.32E-10	7.01E-08	1.53E-08	2.34E-08	1.56E-10	3.89E-08
3231	741700.09	4109416.66	1.81E-07	3.05E-07	3.36E-09	4.90E-07	2.81E-08	5.00E-08	5.05E-10	7.87E-08	2.73E-08	4.31E-08	6.41E-10	7.10E-08	1.55E-08	2.37E-08	1.58E-10	3.94E-08
3232	741743.04	4109409.08	1.84E-07	3.10E-07	3.41E-09	4.97E-07	2.85E-08	5.08E-08	5.12E-10	7.98E-08	2.78E-08	4.37E-08	6.50E-10	7.21E-08	1.58E-08	2.41E-08	1.60E-10	4.00E-08
3233	741785.99	4109401.5	1.88E-07	3.16E-07	3.48E-09	5.07E-07	2.91E-08	5.18E-08	5.23E-10	8.15E-08	2.83E-08	4.46E-08	6.63E-10	7.36E-08	1.61E-08	2.46E-08	1.64E-10	4.08E-08
3234	742097.37	4109393.4	2.63E-07	4.42E-07	4.87E-09	7.10E-07	4.07E-08	7.25E-08	7.31E-10	1.14E-07	3.96E-08	6.24E-08	9.28E-10	1.03E-07	2.25E-08	3.44E-08	2.29E-10	5.71E-08
3235	742133.16	4109418.33	2.95E-07	4.97E-07	5.47E-09	7.97E-07	4.58E-08	8.14E-08	8.21E-10	1.28E-07	4.45E-08	7.00E-08	1.04E-09	1.16E-07	2.53E-08	3.86E-08	2.57E-10	6.42E-08
3236	741573.9	4109447.57	1.74E-07	2.93E-07	3.23E-09	4.71E-07	2.70E-08	4.81E-08	4.85E-10	7.56E-08	2.63E-08	4.14E-08	6.16E-10	6.83E-08	1.49E-08	2.28E-08	1.52E-10	3.79E-08
3237	741536.27	4109471.49	1.77E-07	2.98E-07	3.29E-09	4.79E-07	2.75E-08	4.89E-08	4.93E-10	7.69E-08	2.67E-08	4.21E-08	6.26E-10	6.94E-08	1.52E-08	2.32E-08	1.54E-10	3.85E-08
3238	741498.65	4109495.41	1.81E-07	3.05E-07	3.36E-09	4.90E-07	2.81E-08	5.00E-08	5.05E-10	7.87E-08	2.74E-08	4.31E-08	6.41E-10	7.11E-08	1.55E-08	2.38E-08	1.58E-10	3.95E-08
3239	741560.99	4109347.35	1.40E-07	2.36E-07	2.60E-09	3.79E-07	2.18E-08	3.87E-08	3.91E-10	6.09E-08	2.12E-08	3.33E-08	4.96E-10	5.50E-08	1.20E-08	1.84E-08	1.22E-10	3.05E-08
3240	741604.83	4109339.61	1.42E-07	2.40E-07	2.64E-09	3.84E-07	2.21E-08	3.93E-08	3.96E-10	6.17E-08	2.15E-08	3.38E-08	5.03E-10	5.58E-08	1.22E-08	1.86E-08	1.24E-10	3.10E-08
3241	741648.68	4109331.87	1.43E-07	2.41E-07	2.66E-09	3.87E-07	2.22E-08	3.96E-08	3.99E-10	6.22E-08	2.16E-08	3.40E-08	5.07E-10	5.62E-08	1.23E-08	1.88E-08	1.25E-10	3.12E-08
3242	741692.52	4109324.13	1.45E-07	2.43E-07	2.68E-09	3.91E-07	2.24E-08	3.99E-08	4.03E-10	6.28E-08	2.18E-08	3.43E-08	5.11E-10	5.67E-08	1.24E-08	1.89E-08	1.26E-10	3.15E-08
3243	741736.37	4109316.39	1.47E-07	2.47E-07	2.73E-09	3.97E-07	2.28E-08	4.05E-08	4.09E-10	6.37E-08	2.22E-08	3.49E-08	5.19E-10	5.76E-08	1.26E-08	1.92E-08	1.28E-10	3.20E-08
3244	742120	4109296.52	2.04E-07	3.44E-07	3.79E-09	5.52E-07	3.17E-08	5.64E-08	5.69E-10	8.86E-08	3.08E-08	4.85E-08	7.22E-10	8.00E-08	1.75E-08	2.68E-08	1.78E-10	4.44E-08
3245	742156.54	4109321.97	2.26E-07	3.81E-07	4.20E-09	6.11E-07	3.51E-08	6.24E-08	6.29E-10	9.81E-08	3.41E-08	5.37E-08	7.99E-10	8.86E-08	1.94E-08	2.96E-08	1.97E-10	4.92E-08
3246	741520.25	4109363.18	1.40E-07	2.36E-07	2.60E-09	3.79E-07	2.17E-08	3.87E-08	3.90E-10	6.08E-08	2.11E-08	3.33E-08	4.95E-10	5.49E-08	1.20E-08	1.84E-08	1.22E-10	3.05E-08
3247	741482.63	4109387.1	1.42E-07	2.39E-07	2.64E-09	3.84E-07	2.20E-08	3.92E-08	3.95E-10	6.17E-08	2.14E-08	3.37E-08	5.02E-10	5.57E-08	1.22E-08	1.86E-08	1.24E-10	3.09E-08
3248	741445	4109411.02	1.44E-07	2.43E-07	2.67E-09	3.89E-07	2.24E-08	3.98E-08	4.01E-10	6.25E-08	2.17E-08	3.42E-08	5.09E-10	5.65E-08	1.24E-08	1.89E-08	1.26E-10	3.14E-08
3249	741497.24	4109170.88	9.77E-08	1.64E-07	1.81E-09	2.64E-07	1.51E-08	2.69E-08	2.72E-10	4.24E-08	1.47E-08	2.32E-08	3.45E-10	3.83E-08	8.37E-09	1.28E-08	8.51E-11	2.12E-08
3250	741540.88	4109163.18	9.76E-08	1.64E-07	1.81E-09	2.64E-07	1.51E-08	2.69E-08	2.72E-10	4.24E-08	1.47E-08	2.32E-08	3.45E-10	3.83E-08	8.37E-09	1.28E-08	8.51E-11	2.12E-08
3251	741584.52	4109155.47	9.75E-08	1.64E-07	1.81E-09	2.63E-07	1.51E-08	2.69E-08	2.71E-10	4.23E-08	1.47E-08	2.31E-08	3.44E-10	3.82E-08	8.35E-09	1.28E-08	8.49E-11	2.12E-08
3252	741628.16	4109147.77	9.79E-08	1.65E-07	1.82E-09	2.64E-07	1.52E-08	2.70E-08	2.72E-10	4.24E-08	1.48E-08	2.32E-08	3.46E-10	3.83E-08	8.39E-09	1.28E-08	8.53E-11	2.13E-08

3253	741671.81	4109140.07	9.90E-08	1.67E-07	1.84E-09	2.67E-07	1.54E-08	2.73E-08	2.76E-10	4.30E-08	1.49E-08	2.35E-08	3.50E-10	3.88E-08	8.48E-09	1.30E-08	8.63E-11	2.15E-08
3254	741715.45	4109132.37	1.00E-07	1.69E-07	1.86E-09	2.71E-07	1.56E-08	2.77E-08	2.79E-10	4.36E-08	1.51E-08	2.38E-08	3.55E-10	3.93E-08	8.61E-09	1.32E-08	8.75E-11	2.18E-08
3255	741759.09	4109124.66	1.02E-07	1.72E-07	1.89E-09	2.75E-07	1.58E-08	2.81E-08	2.84E-10	4.42E-08	1.54E-08	2.42E-08	3.60E-10	3.99E-08	8.74E-09	1.34E-08	8.88E-11	2.22E-08
3256	741802.74	4109116.96	1.04E-07	1.75E-07	1.93E-09	2.81E-07	1.61E-08	2.87E-08	2.89E-10	4.51E-08	1.57E-08	2.47E-08	3.67E-10	4.07E-08	8.91E-09	1.36E-08	9.06E-11	2.26E-08
3257	741846.38	4109109.26	1.07E-07	1.79E-07	1.98E-09	2.88E-07	1.65E-08	2.94E-08	2.97E-10	4.62E-08	1.61E-08	2.53E-08	3.76E-10	4.18E-08	9.13E-09	1.40E-08	9.29E-11	2.32E-08
3258	741890.02	4109101.55	1.09E-07	1.84E-07	2.03E-09	2.95E-07	1.70E-08	3.02E-08	3.04E-10	4.74E-08	1.65E-08	2.60E-08	3.86E-10	4.28E-08	9.37E-09	1.43E-08	9.53E-11	2.38E-08
3259	741933.66	4109093.85	1.12E-07	1.88E-07	2.07E-09	3.02E-07	1.73E-08	3.08E-08	3.11E-10	4.85E-08	1.68E-08	2.65E-08	3.95E-10	4.38E-08	9.57E-09	1.46E-08	9.73E-11	2.43E-08
3260	741977.31	4109086.15	1.14E-07	1.91E-07	2.11E-09	3.07E-07	1.76E-08	3.14E-08	3.17E-10	4.93E-08	1.72E-08	2.70E-08	4.02E-10	4.46E-08	9.75E-09	1.49E-08	9.91E-11	2.47E-08
3261	742020.95	4109078.44	1.16E-07	1.95E-07	2.15E-09	3.13E-07	1.80E-08	3.19E-08	3.22E-10	5.02E-08	1.75E-08	2.75E-08	4.09E-10	4.54E-08	9.92E-09	1.52E-08	1.01E-10	2.52E-08
3262	742064.59	4109070.74	1.18E-07	1.98E-07	2.19E-09	3.18E-07	1.83E-08	3.25E-08	3.28E-10	5.11E-08	1.78E-08	2.80E-08	4.16E-10	4.62E-08	1.01E-08	1.54E-08	1.03E-10	2.56E-08
3263	742126.42	4109075.7	1.25E-07	2.10E-07	2.31E-09	3.37E-07	1.93E-08	3.44E-08	3.47E-10	5.41E-08	1.88E-08	2.96E-08	4.41E-10	4.89E-08	1.07E-08	1.63E-08	1.09E-10	2.71E-08
3264	742162.78	4109101.03	1.35E-07	2.27E-07	2.51E-09	3.65E-07	2.10E-08	3.73E-08	3.76E-10	5.86E-08	2.04E-08	3.21E-08	4.77E-10	5.29E-08	1.16E-08	1.77E-08	1.18E-10	2.94E-08
3265	742199.15	4109126.36	1.47E-07	2.47E-07	2.72E-09	3.96E-07	2.27E-08	4.05E-08	4.08E-10	6.36E-08	2.21E-08	3.48E-08	5.18E-10	5.75E-08	1.26E-08	1.92E-08	1.28E-10	3.19E-08
3266	741412.96	4109194.4	9.80E-08	1.65E-07	1.82E-09	2.65E-07	1.52E-08	2.70E-08	2.73E-10	4.25E-08	1.48E-08	2.33E-08	3.46E-10	3.84E-08	8.40E-09	1.28E-08	8.54E-11	2.13E-08
3267	741375.33	4109218.32	9.96E-08	1.68E-07	1.85E-09	2.69E-07	1.54E-08	2.75E-08	2.77E-10	4.32E-08	1.50E-08	2.36E-08	3.52E-10	3.90E-08	8.53E-09	1.30E-08	8.68E-11	2.17E-08
3268	741337.7	4109242.24	1.01E-07	1.69E-07	1.87E-09	2.72E-07	1.56E-08	2.77E-08	2.80E-10	4.36E-08	1.52E-08	2.39E-08	3.55E-10	3.94E-08	8.62E-09	1.32E-08	8.76E-11	2.19E-08
3269	741346.24	4109009.81	7.23E-08	1.22E-07	1.34E-09	1.95E-07	1.12E-08	2.00E-08	2.01E-10	3.14E-08	1.09E-08	1.72E-08	2.56E-10	2.83E-08	6.20E-09	9.47E-09	6.30E-11	1.57E-08
3270	741389.75	4109002.13	7.21E-08	1.21E-07	1.34E-09	1.95E-07	1.12E-08	1.99E-08	2.00E-10	3.13E-08	1.09E-08	1.71E-08	2.55E-10	2.82E-08	6.17E-09	9.44E-09	6.28E-11	1.57E-08
3271	741433.27	4108994.45	7.17E-08	1.21E-07	1.33E-09	1.94E-07	1.11E-08	1.98E-08	1.99E-10	3.11E-08	1.08E-08	1.70E-08	2.53E-10	2.81E-08	6.14E-09	9.39E-09	6.24E-11	1.56E-08
3272	741476.78	4108986.77	7.13E-08	1.20E-07	1.32E-09	1.93E-07	1.11E-08	1.97E-08	1.98E-10	3.09E-08	1.07E-08	1.69E-08	2.52E-10	2.79E-08	6.11E-09	9.33E-09	6.21E-11	1.55E-08
3273	741520.3	4108979.09	7.11E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.08E-08	1.07E-08	1.69E-08	2.51E-10	2.78E-08	6.09E-09	9.31E-09	6.19E-11	1.55E-08
3274	741563.81	4108971.41	7.14E-08	1.20E-07	1.32E-09	1.93E-07	1.11E-08	1.97E-08	1.99E-10	3.10E-08	1.08E-08	1.69E-08	2.52E-10	2.80E-08	6.12E-09	9.35E-09	6.22E-11	1.55E-08
3275	741607.33	4108963.73	7.21E-08	1.21E-07	1.34E-09	1.95E-07	1.12E-08	1.99E-08	2.01E-10	3.13E-08	1.09E-08	1.71E-08	2.55E-10	2.82E-08	6.18E-09	9.44E-09	6.28E-11	1.57E-08
3276	741650.84	4108956.05	7.31E-08	1.23E-07	1.36E-09	1.97E-07	1.13E-08	2.02E-08	2.03E-10	3.17E-08	1.10E-08	1.74E-08	2.58E-10	2.86E-08	6.26E-09	9.57E-09	6.37E-11	1.59E-08
3277	741694.36	4108948.37	7.43E-08	1.25E-07	1.38E-09	2.01E-07	1.15E-08	2.05E-08	2.07E-10	3.22E-08	1.12E-08	1.76E-08	2.62E-10	2.91E-08	6.37E-09	9.73E-09	6.47E-11	1.62E-08
3278	741737.87	4108940.69	7.56E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.09E-08	2.10E-10	3.28E-08	1.14E-08	1.79E-08	2.67E-10	2.96E-08	6.48E-09	9.90E-09	6.58E-11	1.64E-08
3279	741781.39	4108933.01	7.71E-08	1.30E-07	1.43E-09	2.08E-07	1.20E-08	2.13E-08	2.15E-10	3.34E-08	1.16E-08	1.83E-08	2.72E-10	3.02E-08	6.61E-09	1.01E-08	6.72E-11	1.68E-08
3280	741824.9	4108925.33	7.88E-08	1.33E-07	1.46E-09	2.13E-07	1.22E-08	2.17E-08	2.19E-10	3.42E-08	1.19E-08	1.87E-08	2.78E-10	3.09E-08	6.75E-09	1.03E-08	6.87E-11	1.71E-08
3281	741868.42	4108917.64	8.05E-08	1.35E-07	1.49E-09	2.17E-07	1.25E-08	2.22E-08	2.24E-10	3.49E-08	1.21E-08	1.91E-08	2.84E-10	3.15E-08	6.90E-09	1.05E-08	7.01E-11	1.75E-08
3282	741911.93	4108909.96	8.21E-08	1.38E-07	1.52E-09	2.22E-07	1.27E-08	2.26E-08	2.28E-10	3.56E-08	1.24E-08	1.95E-08	2.90E-10	3.21E-08	7.03E-09	1.07E-08	7.15E-11	1.78E-08
3283	741955.45	4108902.28	8.34E-08	1.40E-07	1.55E-09	2.25E-07	1.29E-08	2.30E-08	2.32E-10	3.62E-08	1.26E-08	1.98E-08	2.95E-10	3.27E-08	7.15E-09	1.09E-08	7.27E-11	1.81E-08
3284	741998.96	4108894.6	8.47E-08	1.42E-07	1.57E-09	2.29E-07	1.31E-08	2.34E-08	2.36E-10	3.67E-08	1.28E-08	2.01E-08	2.99E-10	3.32E-08	7.25E-09	1.11E-08	7.37E-11	1.84E-08
3285	742042.48	4108886.92	8.57E-08	1.44E-07	1.59E-09	2.31E-07	1.33E-08	2.36E-08	2.38E-10	3.72E-08	1.29E-08	2.03E-08	3.03E-10	3.36E-08	7.34E-09	1.12E-08	7.46E-11	1.86E-08
3286	742085.99	4108879.24	8.65E-08	1.46E-07	1.60E-09	2.34E-07	1.34E-08	2.39E-08	2.41E-10	3.75E-08	1.30E-08	2.05E-08	3.06E-10	3.39E-08	7.41E-09	1.13E-08	7.54E-11	1.88E-08
3287	742129.51	4108871.56	8.74E-08	1.47E-07	1.62E-09	2.36E-07	1.36E-08	2.41E-08	2.43E-10	3.79E-08	1.32E-08	2.08E-08	3.09E-10	3.43E-08	7.49E-09	1.15E-08	7.62E-11	1.90E-08
3288	742169.39	4108880.35	9.09E-08	1.53E-07	1.69E-09	2.46E-07	1.41E-08	2.51E-08	2.53E-10	3.94E-08	1.37E-08	2.16E-08	3.21E-10	3.56E-08	7.79E-09	1.19E-08	7.92E-11	1.98E-08
3289	742205.65	4108905.6	9.74E-08	1.64E-07	1.81E-09	2.63E-07	1.51E-08	2.69E-08	2.71E-10	4.23E-08	1.47E-08	2.31E-08	3.44E-10	3.82E-08	8.35E-09	1.28E-08	8.49E-11	2.12E-08
3290	742241.91	4108930.86	1.05E-07	1.76E-07	1.94E-09	2.83E-07	1.62E-08	2.89E-08	2.91E-10	4.54E-08	1.58E-08	2.48E-08	3.70E-10	4.10E-08	8.96E-09	1.37E-08	9.11E-11	2.28E-08
3291	741305.66	4109025.61	7.34E-08	1.23E-07	1.36E-09	1.98E-07	1.14E-08	2.02E-08	2.04E-10	3.18E-08	1.11E-08	1.74E-08	2.59E-10	2.87E-08	6.29E-09	9.61E-09	6.39E-11	1.60E-08
3292	741268.04	4109049.53	7.49E-08	1.26E-07	1.39E-09	2.02E-07	1.16E-08	2.07E-08	2.09E-10	3.25E-08	1.13E-08	1.78E-08	2.65E-10	2.94E-08	6.42E-09	9.81E-09	6.53E-11	1.63E-08
3293	741230.41	4109073.45	7.59E-08	1.28E-07	1.41E-09	2.05E-07	1.18E-08	2.09E-08	2.11E-10	3.29E-08	1.15E-08	1.80E-08	2.68E-10	2.97E-08	6.51E-09	9.94E-09	6.62E-11	1.65E-08
3294	741282.32	4108833.37	5.58E-08	9.38E-08	1.03E-09	1.51E-07	8.65E-09	1.54E-08	1.55E-10	2.42E-08	8.41E-09	1.32E-08	1.97E-10	2.18E-08	4.78E-09	7.30E-09	4.86E-11	1.21E-08
3295	741325.75	4108825.71	5.53E-08	9.31E-08	1.03E-09	1.49E-07	8.58E-09	1.53E-08	1.54E-10	2.40E-08	8.34E-09	1.31E-08	1.95E-10	2.17E-08	4.74E-09	7.24E-09	4.82E-11	1.20E-08
3296	741369.18	4108818.04	5.49E-08	9.24E-08	1.02E-09	1.48E-07	8.52E-09	1.52E-08	1.53E-10	2.38E-08	8.28E-09	1.30E-08	1.94E-10	2.15E-08	4.71E-09	7.19E-09	4.79E-11	1.19E-08
3297	741412.6	4108810.38	5.47E-08	9.20E-08	1.01E-09	1.48E-07	8.48E-09	1.51E-08	1.52E-10	2.37E-08	8.25E-09	1.30E-08	1.93E-10	2.14E-08	4.69E-09	7.16E-09	4.76E-11	1.19E-08
3298	741456.03	4108802.71	5.47E-08	9.21E-08	1.01E-09	1.48E-07	8.48E-09	1.51E-08	1.52E-10	2.37E-08	8.25E-09	1.30E-08	1.93E-10	2.14E-08	4.69E-09	7.16E-09	4.77E-11	1.19E-08
3299	741499.46	4108795.05	5.50E-08	9.25E-08	1.02E-09	1.49E-07	8.53E-09	1.52E-08	1.53E-10	2.38E-08	8.29E-09	1.31E-08	1.94E-10	2.15E-08	4.71E-09	7.20E-09	4.79E-11	1.20E-08
3300	741542.89	4108787.38	5.55E-08	9.34E-08	1.03E-09	1.50E-07	8.61E-09	1.53E-08	1.54E-10	2.41E-08	8.37E-09	1.32E-08	1.96E-10	2.17E-08	4.76E-09	7.27E-09	4.84E-11	1.21E-08
3301	741586.31	4108779.72	5.63E-08	9.47E-08	1.04E-09	1.52E-07	8.73E-09	1.55E-08	1.57E-10	2.44E-08	8.49E-09	1.34E-08	1.99E-10	2.20E-08	4.82E-09	7.37E-09	4.90E-11	1.22E-08
3302	741629.74	4108772.05	5.72E-08	9.62E-08	1.06E-09	1.54E-07	8.87E-09	1.58E-08	1.59E-10	2.48E-08	8.62E-09	1.36E-08	2.02E-10	2.24E-08	4.90E-09	7.49E-09	4.98E-11	1.24E-08
3303	741673.17	4108764.39	5.82E-08	9.79E-08	1.08E-09	1.57E-07	9.02E-09	1.60E-08	1.62E-10	2.52E-08	8.77E-09	1.38E-08	2.05E-10	2.28E-08	4.98E-09	7.62E-09	5.07E-11	1.26E-08
3304	741716.6	4108756.72	5.92E-08	9.96E-08	1.10E-09	1.60E-07	9.18E-09	1.63E-08	1.65E-10	2.57E-08	8.92E-09	1.41E-08	2.09E-10	2.32E-08	5.07E-09	7.75E-09	5.16E-11	1.29E-08
3305	741760.02	4108749.06	6.02E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.08E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
3306	741803.45	4108741.39	6.13E-08	1.03E-07	1.14E-09	1.66E-07	9.51E-09	1.69E-08	1.71E-10	2.66E-08	9.25E-09	1.46E-08	2.17E-10	2.40E-08	5.25E-09	8.03E-09	5.34E-11	1.33E-08
3307	741846.88	4108733.73	6.24E-08	1.05E-07	1.16E-09	1.69E-07	9.68E-09	1.72E-08	1.74E-10	2.71E-08	9.41E-09	1.48E-08	2.20E-10	2.44E-08	5.35E-09	8.17E-09	5.44E-11	1.36E-08
3308	741890.3	4108726.06	6.35E-08	1.07E-07	1.18E-09	1.72E-07	9.85E-09	1.75E-08	1.77E-10	2.75E-08	9.58E-09	1.51E-08	2.24E-10	2.49E-08	5.44E-09	8.31E-09	5.53E-11	1.38E-08
3309	741933.73	4108718.39	6.46E-08	1.09E-07	1.20E-09	1.74E-07	1.00E-08	1.78E-08	1.80E-10	2.80E-08	9.74E-09	1.53E-08	2.28E-10	2.53E-08	5.53E-09	8.46E-09	5.63E-11	1.40E-08
3310	741977.16	4108710.73	6.55E-08	1.10E-07	1.21E-09	1.77E-07	1.02E-08	1.81E-08	1.82E-10	2.84E-08	9.88E-09	1.55E-08	2.31E-10	2.57E-08	5.61E-09	8.57E-09	5.71E-11	1.42E-08
3311	742020.59	4108703.06	6.61E-08	1.11E-07	1.23E-09	1.79E-07	1.03E-08	1.82E-08	1.84E-10	2.87E-08	9.97E-09	1.57E-08	2.34E-10	2.59E-08	5.67E-09	8.66E-09	5.76E-11	1.44E-08
3312	742064.01	4108695.4	6.65E-08	1.12E-07	1.23E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.70E-09	8.71E-09	5.80E-11	1.45E-08
3313	742107.44	4108687.73	6.68E-08	1.12E-07	1.24E-09	1.80E-07	1.04E-08	1.84E-08	1.86E-10	2.90E-08	1.01E-08	1.59E-08	2.36E-10	2.62E-08	5.72E-09	8.75E-09	5.82E-11	1.45E-08
3314	742150.87	4108680.07	6.72E-08	1.13E-07	1.25E-09	1.81E-07	1.04E-08	1.85E-08	1.87E-10	2.91E-08	1.01E-08	1.59E-08	2.37E-10	2.63E-08	5.76E-09	8.80E-09	5.85E-11	1.46E-08
3315	742212.39	4108685.01	6.99E-08	1.18E-07	1.30E-09	1.89E-07	1.08E-08	1.93E-08	1.95E-10	3.03E-08	1.05E-08	1.66E-08	2.47E-10	2.74E-08	5.99E-09	9.16E-09	6.09E-11	1.52E-08
3316	742248.57	4108710.21	7.43E-08	1.25E-07	1.38E-09	2.01E-07	1.15E-08	2.05E-08	2.07E-10	3.22E-08	1.12E-08	1.76E-08	2.63E-10	2.91E-08	6.37E-09	9.74E-09	6.48E-11	1.62E-08
3317	742284.76	4108735.42	7.92E-08	1.33E-07	1.47E-09	2.14E-07	1.23E-08	2.18E-08	2.20E-10	3.44E-08	1.19E-08	1.88E-08	2.80E-10	3.10E-08	6.79E-09	1.04E-08	6.90E-11	1.72E-08
3318	741198.37	4108856.83	5.74E-08	9.66E-08	1.06E-09	1.55E-07	8.90E-09	1.58E-08	1.60E-10	2.49E-08	8.65E-09	1.36E-08	2.03E-10	2.25E-08	4.92E-09	7.51E-09	5.00E-11	1.25E-08
3319	741160.74	4108880.75	5.89E-08	9.91E-08	1.09E-09	1.59E-07	9.13E-09	1.62E-08	1.64E-10	2.55E-08	8.88E-09	1.40E-08	2.08E-10	2.31E-08	5.05E-09	7.71E-09	5.13E-11	1.28E-08
3320	741123.11	4108904.67	6.00E-08	1.01E-07	1.11E-09	1.62E-07	9.30E-09	1.66E-08	1.67E-10	2.60E-08	9.05E-09	1.42E-08	2.12E-10	2.35E-08	5.14E-09	7.86E-09	5.23E-11	1.30E-08
3321	741131.57	4108672.26	4.52E-08	7.61E-08	8.39E-10	1.22E-07	7.02E-09	1.25E-08	1.26E-10	1.96E-08	6.82E-09	1.07E-08	1.60E-10	1.77E-08	3.88E-09	5.92E-09	3.94E-11	9.84E-09
3322	741174.93	4108664.6	4.47E-08	7.52E-08	8.29E-10	1.21E-07	6.93E-09	1.23E-08	1.24E-10	1.94E-08	6.74E-09	1.06E-08	1.58E-10	1.75E-08	3.83E-09	5.85E-09	3.89E-11	9.72E-09
3323	741218.29	4108656.95	4.42E-08	7.44E-08	8.20E-10	1.19E-07	6.86E-09	1.22E-08	1.23E-10	1.92E-08	6.67E-09	1.05E-08	1.56E-10	1.73E-08	3.79E-09	5.79E-09	3.85E-11	9.62E-09
3324	741261.66	4108649.3	4.39E-08	7.39E-08	8.15E-10	1.19E-07	6.81E-09	1.21E-08	1.22E-10	1.90E-08	6.62E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.75E-09	3.83E-11	9.55E-09
3325	741305.02	4108641.64	4.37E-08	7.36E-08	8.11E-10	1.18E-07	6.78E-09	1.21E-08	1.22E-10	1.90E-08	6.60E-09	1.04E-08	1.55E-10	1.71E-08	3.75E-09	5.73E-09	3.81E-11	9.51E-09
3326	741348.38	4108633.99	4.37E-08	7.35E-08	8.11E-10	1.18E-07	6.78E-09	1.21E-08	1.22E-10	1.90E-08	6.59E-09	1.04E-08	1.54E-10	1.71E-08	3.74E-09	5.72E-09	3.81E-11	9.51E-09
3327	741391.75	4108626.34	4.38E-08	7.37E-08	8.13E-10	1.18E-07	6.80E-09	1.21E-08	1.22E-10	1.90E-08	6.61E-09	1.04E-08	1.55E-10	1.72E-08	3.75E-09	5.74E-09	3.82E-11	9.53E-09
3328	741435.11	4108618.68	4.41E-08	7.42E-08	8.18E-10	1.19E-07	6.84E-09	1.22E-08	1.23E-10	1.91E-08	6.65E-09	1.05E-08	1.56E-10	1.73E-08	3.78E-09	5.77E-09	3.84E-11	9.59E-09
3329	741478.47	4108611.03	4.45E-08	7.49E-08	8.25E-10	1.20E-07	6.90E-09	1.23E-08	1.24E-10	1.93E-08	6.71E-09	1.06E-08	1.57E-10	1.74E-08	3.81E-09	5.83E-09	3.88E-11	9.68E-09
3330	741521.84	4108603.37	4.51E-08	7.58E-08	8.36E-10	1.22E-07	6.99E-09	1.24E-08	1.25E-10	1.95E-08	6.79E-09	1.07E-08	1.59E-10	1.76E-08	3.86E-09	5.90E-09	3.92E-11	9.80E-09
3331	741565.2	4108595.72	4.57E-08	7.70E-08	8.48E-10	1.24E-07	7.09E-09	1.26E-08	1.27E-10	1.98E-08	6.90E-09	1.09E-08	1.62E-10	1.79E-08	3.92E-09	5.99E-09	3.98E-11	9.95E-09
3332	741608.56	4108588.07	4.65E-08	7.82E-08	8.62E-10	1.26E-07	7.21E-09	1.28E-08	1.29E-10	2.02E-08	7.01E-09	1.10E-08	1.64E-10	1.82E-08	3.98E-09	6.09E-09	4.05E-11	1.01E-08
3333	741651.92	4108580.41	4.73E-08	7.96E-08	8.77E-10	1.28E-07	7.33E-09	1.30E-08	1.32E-10	2.05E-08	7.13E-09	1.12E-08	1.67E-10	1.85E-08	4.05E-09	6.19E-09	4.12E-11	1.03E-08
3334	741695.29	4108572.76	4.80E-08	8.08E-08	8.91E-10	1.30E-07	7.45E-09	1.33E-08	1.34E-10	2.08E-08	7.24E-09	1.14E-08	1.70E-10	1.88E-08	4.12E-09	6.29E-09	4.18E-11	1.04E-08
3335	741738.65	4108565.11	4.87E-08	8.20E-08	9.04E-10	1.32E-07	7.56E-09	1.34E-08	1.36E-10	2.11E-08	7.35E-09	1.16E-08	1.72E-10	1.91E-08	4.18E-09	6.38E-09	4.25E-11	1.06E-08
3336	741782.01	4108557.45	4.94E-08	8.32E-08	9.17E-10	1.34E-07	7.67E-09	1.36E-08	1.38E-10	2.14E-08	7.45E-09	1.17E-08	1.75E-10	1.94E-08	4.24E-09	6.47E-09	4.31E-11	1.08E-08
3337	741825.38	4108549.8	5.02E-08	8.45E-08	9.31E-10	1.36E-07	7.78E-09	1.38E-08	1.40E-10	2.18E-08	7.57E-09	1.19E-08	1.77E-10	1.97E-08	4.30E-09	6.57E-09	4.37E-11	1.09E-08
3338	741868.74	4108542.15	5.10E-08	8.58E-08	9.46E-10	1.38E-07	7.91E-09	1.41E-08	1.42E-10	2.21E-08	7.69E-09	1.21E-08	1.80E-10	2.00E-08	4.37E-09	6.68E-09	4.44E-11	1.11E-08
3339	741912.1	4108534.49	5.18E-08	8.72E-08	9.62E-10	1.40E-07	8.04E-09	1.43E-08	1.44E-10	2.25E-08	7.82E-09	1.23E-08	1.83E-10	2.03E-08	4.44E-09	6.79E-09	4.52E-11	1.13E-08
3340	741955.46	4108526.84	5.26E-08	8.85E-08	9.76E-10	1.42E-07	8.16E-09	1.45E-08	1.46E-10	2.28E-08	7.93E-09	1.25E-08	1.86E-10	2.06E-08	4.51E-09	6.89E-09	4.58E-11	1.14E-08

3341	741998.83	4108519.18	5.32E-08	8.95E-08	9.86E-10	1.44E-07	8.25E-09	1.47E-08	1.48E-10	2.31E-08	8.02E-09	1.26E-08	1.88E-10	2.08E-08	4.56E-09	6.96E-09	4.63E-11	1.16E-08
3342	742042.19	4108511.53	5.35E-08	9.00E-08	9.92E-10	1.45E-07	8.30E-09	1.48E-08	1.49E-10	2.32E-08	8.07E-09	1.27E-08	1.89E-10	2.10E-08	4.58E-09	7.01E-09	4.66E-11	1.16E-08
3343	742085.55	4108503.88	5.36E-08	9.02E-08	9.94E-10	1.45E-07	8.31E-09	1.48E-08	1.49E-10	2.32E-08	8.08E-09	1.27E-08	1.89E-10	2.10E-08	4.59E-09	7.02E-09	4.67E-11	1.17E-08
3344	742128.92	4108496.22	5.36E-08	9.02E-08	9.94E-10	1.45E-07	8.31E-09	1.48E-08	1.49E-10	2.32E-08	8.08E-09	1.27E-08	1.89E-10	2.10E-08	4.59E-09	7.02E-09	4.67E-11	1.17E-08
3345	742172.28	4108488.57	5.37E-08	9.04E-08	9.96E-10	1.45E-07	8.33E-09	1.48E-08	1.49E-10	2.33E-08	8.10E-09	1.27E-08	1.90E-10	2.10E-08	4.60E-09	7.03E-09	4.68E-11	1.17E-08
3346	742215.64	4108480.92	5.41E-08	9.11E-08	1.00E-09	1.46E-07	8.39E-09	1.49E-08	1.51E-10	2.35E-08	8.16E-09	1.28E-08	1.91E-10	2.12E-08	4.64E-09	7.09E-09	4.71E-11	1.18E-08
3347	742255.39	4108489.67	5.58E-08	9.40E-08	1.04E-09	1.51E-07	8.66E-09	1.54E-08	1.55E-10	2.42E-08	8.42E-09	1.33E-08	1.97E-10	2.19E-08	4.79E-09	7.31E-09	4.87E-11	1.21E-08
3348	742291.52	4108514.84	5.90E-08	9.93E-08	1.09E-09	1.59E-07	9.15E-09	1.63E-08	1.64E-10	2.56E-08	8.90E-09	1.40E-08	2.08E-10	2.31E-08	5.06E-09	7.73E-09	5.14E-11	1.28E-08
3349	742327.65	4108540.01	6.26E-08	1.05E-07	1.16E-09	1.69E-07	9.70E-09	1.73E-08	1.74E-10	2.71E-08	9.43E-09	1.48E-08	2.21E-10	2.45E-08	5.36E-09	8.19E-09	5.45E-11	1.36E-08
3350	741091.07	4108688.05	4.63E-08	7.79E-08	8.59E-10	1.25E-07	7.18E-09	1.28E-08	1.29E-10	2.01E-08	6.98E-09	1.10E-08	1.64E-10	1.81E-08	3.97E-09	6.06E-09	4.03E-11	1.01E-08
3351	741053.45	4108711.97	4.77E-08	8.03E-08	8.85E-10	1.29E-07	7.40E-09	1.32E-08	1.33E-10	2.07E-08	7.19E-09	1.13E-08	1.68E-10	1.87E-08	4.09E-09	6.25E-09	4.16E-11	1.04E-08
3352	741015.82	4108735.89	4.88E-08	8.21E-08	9.04E-10	1.32E-07	7.56E-09	1.35E-08	1.36E-10	2.12E-08	7.35E-09	1.16E-08	1.72E-10	1.91E-08	4.18E-09	6.39E-09	4.25E-11	1.06E-08
3353	740916.94	4108334.7	3.14E-08	5.29E-08	5.83E-10	8.50E-08	4.88E-09	8.68E-09	8.75E-11	1.36E-08	4.74E-09	7.47E-09	1.11E-10	1.23E-08	2.69E-09	4.12E-09	2.74E-11	6.84E-09
3354	740960.21	4108327.06	3.09E-08	5.21E-08	5.74E-10	8.36E-08	4.80E-09	8.53E-09	8.61E-11	1.34E-08	4.66E-09	7.34E-09	1.09E-10	1.21E-08	2.65E-09	4.05E-09	2.69E-11	6.73E-09
3355	741003.49	4108319.42	3.05E-08	5.14E-08	5.66E-10	8.25E-08	4.73E-09	8.42E-09	8.49E-11	1.32E-08	4.60E-09	7.25E-09	1.08E-10	1.20E-08	2.62E-09	4.00E-09	2.66E-11	6.64E-09
3356	741046.76	4108311.79	3.03E-08	5.09E-08	5.61E-10	8.17E-08	4.69E-09	8.35E-09	8.42E-11	1.31E-08	4.56E-09	7.18E-09	1.07E-10	1.19E-08	2.59E-09	3.96E-09	2.64E-11	6.58E-09
3357	741090.04	4108304.15	3.02E-08	5.08E-08	5.59E-10	8.15E-08	4.68E-09	8.32E-09	8.39E-11	1.31E-08	4.55E-09	7.16E-09	1.07E-10	1.18E-08	2.58E-09	3.95E-09	2.63E-11	6.56E-09
3358	741133.31	4108296.51	3.02E-08	5.08E-08	5.60E-10	8.16E-08	4.68E-09	8.33E-09	8.40E-11	1.31E-08	4.55E-09	7.17E-09	1.07E-10	1.18E-08	2.59E-09	3.95E-09	2.63E-11	6.57E-09
3359	741176.59	4108288.87	3.03E-08	5.10E-08	5.62E-10	8.19E-08	4.70E-09	8.36E-09	8.43E-11	1.31E-08	4.57E-09	7.20E-09	1.07E-10	1.19E-08	2.60E-09	3.97E-09	2.64E-11	6.59E-09
3360	741219.86	4108281.23	3.05E-08	5.13E-08	5.66E-10	8.24E-08	4.73E-09	8.41E-09	8.48E-11	1.32E-08	4.60E-09	7.24E-09	1.08E-10	1.19E-08	2.61E-09	3.99E-09	2.66E-11	6.63E-09
3361	741263.14	4108273.59	3.07E-08	5.16E-08	5.69E-10	8.28E-08	4.75E-09	8.46E-09	8.53E-11	1.33E-08	4.62E-09	7.28E-09	1.08E-10	1.20E-08	2.63E-09	4.01E-09	2.67E-11	6.67E-09
3362	741306.41	4108265.96	3.09E-08	5.19E-08	5.72E-10	8.34E-08	4.79E-09	8.51E-09	8.59E-11	1.34E-08	4.65E-09	7.33E-09	1.09E-10	1.21E-08	2.64E-09	4.04E-09	2.69E-11	6.71E-09
3363	741349.69	4108258.32	3.11E-08	5.23E-08	5.76E-10	8.40E-08	4.82E-09	8.57E-09	8.65E-11	1.35E-08	4.69E-09	7.38E-09	1.10E-10	1.22E-08	2.66E-09	4.07E-09	2.71E-11	6.76E-09
3364	741392.96	4108250.68	3.14E-08	5.28E-08	5.82E-10	8.47E-08	4.86E-09	8.65E-09	8.72E-11	1.36E-08	4.73E-09	7.44E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.73E-11	6.82E-09
3365	741436.24	4108243.04	3.17E-08	5.33E-08	5.88E-10	8.56E-08	4.92E-09	8.75E-09	8.82E-11	1.38E-08	4.78E-09	7.53E-09	1.12E-10	1.24E-08	2.72E-09	4.15E-09	2.76E-11	6.89E-09
3366	741479.51	4108235.4	3.21E-08	5.41E-08	5.96E-10	8.68E-08	4.98E-09	8.86E-09	8.94E-11	1.39E-08	4.84E-09	7.63E-09	1.13E-10	1.26E-08	2.75E-09	4.21E-09	2.80E-11	6.99E-09
3367	741522.79	4108227.76	3.26E-08	5.49E-08	6.05E-10	8.81E-08	5.06E-09	9.00E-09	9.07E-11	1.41E-08	4.92E-09	7.74E-09	1.15E-10	1.28E-08	2.79E-09	4.27E-09	2.84E-11	7.09E-09
3368	741566.07	4108220.13	3.31E-08	5.57E-08	6.14E-10	8.95E-08	5.14E-09	9.14E-09	9.22E-11	1.44E-08	4.99E-09	7.86E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.89E-11	7.20E-09
3369	741609.34	4108212.49	3.36E-08	5.66E-08	6.23E-10	9.08E-08	5.21E-09	9.27E-09	9.35E-11	1.46E-08	5.07E-09	7.98E-09	1.19E-10	1.32E-08	2.88E-09	4.40E-09	2.93E-11	7.31E-09
3370	741652.62	4108204.85	3.41E-08	5.73E-08	6.32E-10	9.20E-08	5.28E-09	9.40E-09	9.48E-11	1.48E-08	5.14E-09	8.09E-09	1.20E-10	1.33E-08	2.92E-09	4.46E-09	2.97E-11	7.41E-09
3371	741695.89	4108197.21	3.45E-08	5.80E-08	6.39E-10	9.31E-08	5.34E-09	9.51E-09	9.59E-11	1.49E-08	5.20E-09	8.18E-09	1.22E-10	1.35E-08	2.95E-09	4.51E-09	3.00E-11	7.49E-09
3372	741739.17	4108189.57	3.48E-08	5.86E-08	6.46E-10	9.40E-08	5.40E-09	9.61E-09	9.69E-11	1.51E-08	5.25E-09	8.27E-09	1.23E-10	1.36E-08	2.98E-09	4.56E-09	3.03E-11	7.57E-09
3373	741782.44	4108181.93	3.52E-08	5.92E-08	6.53E-10	9.51E-08	5.46E-09	9.71E-09	9.79E-11	1.53E-08	5.31E-09	8.36E-09	1.24E-10	1.38E-08	3.02E-09	4.61E-09	3.07E-11	7.65E-09
3374	741825.72	4108174.3	3.56E-08	5.99E-08	6.61E-10	9.62E-08	5.52E-09	9.83E-09	9.91E-11	1.55E-08	5.37E-09	8.46E-09	1.26E-10	1.40E-08	3.05E-09	4.66E-09	3.10E-11	7.75E-09
3375	741868.99	4108166.66	3.61E-08	6.07E-08	6.69E-10	9.75E-08	5.60E-09	9.96E-09	1.00E-10	1.57E-08	5.44E-09	8.57E-09	1.28E-10	1.41E-08	3.09E-09	4.73E-09	3.14E-11	7.85E-09
3376	741912.27	4108159.02	3.66E-08	6.16E-08	6.79E-10	9.88E-08	5.67E-09	1.01E-08	1.02E-10	1.59E-08	5.52E-09	8.68E-09	1.29E-10	1.43E-08	3.13E-09	4.79E-09	3.19E-11	7.96E-09
3377	741955.54	4108151.38	3.70E-08	6.23E-08	6.87E-10	1.00E-07	5.74E-09	1.02E-08	1.03E-10	1.61E-08	5.59E-09	8.79E-09	1.31E-10	1.45E-08	3.17E-09	4.85E-09	3.23E-11	8.06E-09
3378	741998.82	4108143.74	3.74E-08	6.29E-08	6.94E-10	1.01E-07	5.80E-09	1.03E-08	1.04E-10	1.62E-08	5.64E-09	8.88E-09	1.32E-10	1.47E-08	3.20E-09	4.90E-09	3.26E-11	8.13E-09
3379	742042.09	4108136.1	3.76E-08	6.33E-08	6.98E-10	1.02E-07	5.83E-09	1.04E-08	1.05E-10	1.63E-08	5.67E-09	8.93E-09	1.33E-10	1.47E-08	3.22E-09	4.93E-09	3.28E-11	8.18E-09
3380	742085.37	4108128.47	3.77E-08	6.34E-08	6.99E-10	1.02E-07	5.84E-09	1.04E-08	1.05E-10	1.63E-08	5.68E-09	8.94E-09	1.33E-10	1.48E-08	3.23E-09	4.93E-09	3.28E-11	8.19E-09
3381	742128.64	4108120.83	3.76E-08	6.32E-08	6.97E-10	1.01E-07	5.82E-09	1.04E-08	1.04E-10	1.63E-08	5.66E-09	8.91E-09	1.33E-10	1.47E-08	3.22E-09	4.92E-09	3.27E-11	8.17E-09
3382	742171.92	4108113.19	3.74E-08	6.29E-08	6.93E-10	1.01E-07	5.80E-09	1.03E-08	1.04E-10	1.62E-08	5.64E-09	8.87E-09	1.32E-10	1.46E-08	3.20E-09	4.89E-09	3.26E-11	8.13E-09
3383	742215.19	4108105.55	3.72E-08	6.27E-08	6.91E-10	1.01E-07	5.78E-09	1.03E-08	1.04E-10	1.62E-08	5.62E-09	8.84E-09	1.32E-10	1.46E-08	3.19E-09	4.88E-09	3.24E-11	8.10E-09
3384	742258.47	4108097.91	3.73E-08	6.27E-08	6.91E-10	1.01E-07	5.78E-09	1.03E-08	1.04E-10	1.62E-08	5.62E-09	8.85E-09	1.32E-10	1.46E-08	3.19E-09	4.88E-09	3.25E-11	8.11E-09
3385	742301.75	4108090.27	3.75E-08	6.31E-08	6.96E-10	1.01E-07	5.82E-09	1.03E-08	1.04E-10	1.63E-08	5.66E-09	8.90E-09	1.32E-10	1.47E-08	3.21E-09	4.91E-09	3.27E-11	8.16E-09
3386	742341.41	4108099.01	3.86E-08	6.49E-08	7.15E-10	1.04E-07	5.98E-09	1.06E-08	1.07E-10	1.67E-08	5.81E-09	9.15E-09	1.36E-10	1.51E-08	3.30E-09	5.05E-09	3.36E-11	8.39E-09
3387	742377.47	4108124.13	4.04E-08	6.80E-08	7.50E-10	1.09E-07	6.27E-09	1.12E-08	1.12E-10	1.75E-08	6.10E-09	9.60E-09	1.43E-10	1.58E-08	3.46E-09	5.29E-09	3.52E-11	8.79E-09
3388	742413.53	4108149.25	4.26E-08	7.17E-08	7.90E-10	1.15E-07	6.60E-09	1.17E-08	1.18E-10	1.85E-08	6.42E-09	1.01E-08	1.50E-10	1.67E-08	3.65E-09	5.58E-09	3.71E-11	9.26E-09
3389	742449.59	4108174.36	4.49E-08	7.55E-08	8.32E-10	1.21E-07	6.96E-09	1.24E-08	1.25E-10	1.95E-08	6.77E-09	1.07E-08	1.58E-10	1.76E-08	3.84E-09	5.87E-09	3.91E-11	9.76E-09
3390	742485.65	4108199.48	4.71E-08	7.92E-08	8.73E-10	1.27E-07	7.30E-09	1.30E-08	1.31E-10	2.04E-08	7.10E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.16E-09	4.10E-11	1.02E-08
3391	742521.71	4108224.6	4.90E-08	8.24E-08	9.09E-10	1.32E-07	7.60E-09	1.35E-08	1.36E-10	2.12E-08	7.39E-09	1.16E-08	1.73E-10	1.92E-08	4.20E-09	6.41E-09	4.27E-11	1.07E-08
3392	742557.77	4108249.71	5.05E-08	8.49E-08	9.36E-10	1.36E-07	7.83E-09	1.39E-08	1.40E-10	2.19E-08	7.61E-09	1.20E-08	1.78E-10	1.98E-08	4.33E-09	6.61E-09	4.40E-11	1.10E-08
3393	742593.83	4108274.83	5.15E-08	8.66E-08	9.55E-10	1.39E-07	7.98E-09	1.42E-08	1.43E-10	2.23E-08	7.76E-09	1.22E-08	1.82E-10	2.02E-08	4.41E-09	6.74E-09	4.48E-11	1.12E-08
3394	742629.89	4108299.94	5.21E-08	8.76E-08	9.66E-10	1.41E-07	8.07E-09	1.44E-08	1.45E-10	2.26E-08	7.85E-09	1.24E-08	1.84E-10	2.04E-08	4.46E-09	6.82E-09	4.54E-11	1.13E-08
3395	742665.95	4108325.06	5.24E-08	8.82E-08	9.72E-10	1.42E-07	8.13E-09	1.45E-08	1.46E-10	2.27E-08	7.91E-09	1.24E-08	1.85E-10	2.05E-08	4.49E-09	6.86E-09	4.57E-11	1.14E-08
3396	742702	4108350.18	5.28E-08	8.89E-08	9.79E-10	1.43E-07	8.19E-09	1.46E-08	1.47E-10	2.29E-08	7.96E-09	1.25E-08	1.87E-10	2.07E-08	4.52E-09	6.91E-09	4.60E-11	1.15E-08
3397	742738.06	4108375.29	5.34E-08	8.99E-08	9.91E-10	1.44E-07	8.28E-09	1.47E-08	1.49E-10	2.32E-08	8.05E-09	1.27E-08	1.89E-10	2.09E-08	4.58E-09	6.99E-09	4.65E-11	1.16E-08
3398	742774.12	4108400.41	5.43E-08	9.14E-08	1.01E-09	1.47E-07	8.42E-09	1.50E-08	1.51E-10	2.36E-08	8.19E-09	1.29E-08	1.92E-10	2.13E-08	4.65E-09	7.11E-09	4.73E-11	1.18E-08
3399	742810.18	4108425.53	5.57E-08	9.37E-08	1.03E-09	1.50E-07	8.64E-09	1.54E-08	1.55E-10	2.42E-08	8.40E-09	1.32E-08	1.97E-10	2.18E-08	4.77E-09	7.29E-09	4.85E-11	1.21E-08
3400	742846.24	4108450.64	5.76E-08	9.68E-08	1.07E-09	1.55E-07	8.92E-09	1.59E-08	1.60E-10	2.50E-08	8.68E-09	1.37E-08	2.03E-10	2.25E-08	4.93E-09	7.54E-09	5.01E-11	1.25E-08
3401	742882.3	4108475.76	5.99E-08	1.01E-07	1.11E-09	1.62E-07	9.30E-09	1.65E-08	1.67E-10	2.60E-08	9.04E-09	1.42E-08	2.12E-10	2.35E-08	5.14E-09	7.85E-09	5.22E-11	1.30E-08
3402	742918.36	4108500.88	6.29E-08	1.06E-07	1.17E-09	1.70E-07	9.76E-09	1.74E-08	1.75E-10	2.73E-08	9.49E-09	1.49E-08	2.22E-10	2.46E-08	5.39E-09	8.24E-09	5.48E-11	1.37E-08
3403	742954.42	4108525.99	6.64E-08	1.12E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.85E-10	2.88E-08	1.00E-08	1.58E-08	2.35E-10	2.60E-08	5.69E-09	8.70E-09	5.79E-11	1.45E-08
3404	742990.48	4108551.11	7.05E-08	1.19E-07	1.31E-09	1.90E-07	1.09E-08	1.94E-08	1.96E-10	3.06E-08	1.06E-08	1.67E-08	2.49E-10	2.76E-08	6.04E-09	9.23E-09	6.14E-11	1.53E-08
3405	743026.54	4108576.22	7.50E-08	1.26E-07	1.39E-09	2.03E-07	1.16E-08	2.07E-08	2.09E-10	3.25E-08	1.13E-08	1.78E-08	2.65E-10	2.94E-08	6.43E-09	9.82E-09	6.53E-11	1.63E-08
3406	743062.6	4108601.34	7.98E-08	1.34E-07	1.48E-09	2.16E-07	1.24E-08	2.20E-08	2.22E-10	3.46E-08	1.20E-08	1.90E-08	2.82E-10	3.13E-08	6.84E-09	1.05E-08	6.96E-11	1.74E-08
3407	743098.66	4108626.46	8.49E-08	1.43E-07	1.58E-09	2.29E-07	1.32E-08	2.34E-08	2.36E-10	3.68E-08	1.28E-08	2.02E-08	3.00E-10	3.33E-08	7.28E-09	1.11E-08	7.40E-11	1.85E-08
3408	743134.72	4108651.57	9.01E-08	1.52E-07	1.67E-09	2.43E-07	1.40E-08	2.49E-08	2.51E-10	3.91E-08	1.36E-08	2.14E-08	3.18E-10	3.53E-08	7.72E-09	1.18E-08	7.85E-11	1.96E-08
3409	743170.77	4108676.69	9.49E-08	1.60E-07	1.76E-09	2.56E-07	1.47E-08	2.62E-08	2.64E-10	4.12E-08	1.43E-08	2.25E-08	3.35E-10	3.72E-08	8.13E-09	1.24E-08	8.27E-11	2.06E-08
3410	743206.83	4108701.81	9.92E-08	1.67E-07	1.84E-09	2.68E-07	1.54E-08	2.74E-08	2.76E-10	4.31E-08	1.50E-08	2.36E-08	3.51E-10	3.89E-08	8.50E-09	1.30E-08	8.65E-11	2.16E-08
3411	743242.89	4108726.92	1.03E-07	1.73E-07	1.91E-09	2.78E-07	1.59E-08	2.84E-08	2.86E-10	4.46E-08	1.55E-08	2.44E-08	3.63E-10	4.03E-08	8.81E-09	1.35E-08	8.96E-11	2.24E-08
3412	743278.95	4108752.04	1.06E-07	1.78E-07	1.96E-09	2.85E-07	1.64E-08	2.92E-08	2.94E-10	4.58E-08	1.59E-08	2.51E-08	3.73E-10	4.14E-08	9.05E-09	1.38E-08	9.21E-11	2.30E-08
3413	743315.01	4108777.16	1.08E-07	1.81E-07	2.00E-09	2.91E-07	1.67E-08	2.98E-08	3.00E-10	4.68E-08	1.63E-08	2.56E-08	3.81E-10	4.22E-08	9.24E-09	1.41E-08	9.39E-11	2.35E-08
3414	743351.07	4108802.27	1.10E-07	1.84E-07	2.03E-09	2.96E-07	1.70E-08	3.02E-08	3.05E-10	4.75E-08	1.65E-08	2.60E-08	3.87E-10	4.29E-08	9.39E-09	1.44E-08	9.55E-11	2.38E-08
3415	743387.13	4108827.39	1.11E-07	1.87E-07	2.07E-09	3.01E-07	1.73E-08	3.07E-08	3.10E-10	4.83E-08	1.68E-08	2.64E-08	3.93E-10	4.36E-08	9.54E-09	1.46E-08	9.70E-11	2.42E-08
3416	743423.19	4108852.5	1.13E-07	1.91E-07	2.10E-09	3.06E-07	1.76E-08	3.12E-08	3.15E-10	4.91E-08	1.71E-08	2.69E-08	4.00E-10	4.44E-08	9.70E-09	1.48E-08	9.87E-11	2.46E-08
3417	743459.25	4108877.62	1.15E-07	1.94E-07	2.14E-09	3.11E-07	1.79E-08	3.18E-08	3.20E-10	5.00E-08	1.74E-08	2.73E-08	4.07E-10	4.51E-08	9.87E-09	1.51E-08	1.00E-10	2.50E-08
3418	740876.48	4108350.48	3.23E-08	5.43E-08	5.99E-10	8.72E-08	5.00E-09	8.90E-09	8.98E-11	1.40E-08	4.87E-09	7.66E-09	1.14E-10	1.26E-08	2.77E-09	4.23E-09	2.81E-11	7.02E-09
3419	740838.86	4108374.4	3.33E-08	5.61E-08	6.18E-10	9.00E-08	5.17E-09	9.19E-09	9.27E-11	1.45E-08	5.02E-09	7.91E-09	1.18E-10	1.31E-08	2.85E-09	4.36E-09	2.90E-11	7.25E-09
3420	740801.23	4108398.32	3.42E-08	5.76E-08	6.35E-10	9.24E-08	5.30E-09	9.44E-09	9.52E-11	1.48E-08	5.16E-09	8.12E-09	1.21E-10	1.34E-08	2.93E-09	4.48E-09	2.98E-11	7.44E-09
3421	740746.36	4107989.37	2.30E-08	3.87E-08	4.27E-10	6.21E-08	3.57E-09	6.34E-09	6.40E-11	9.97E-09	3.47E-09	5.46E-09	8.12E-11	9.01E-09	1.97E-09	3.01E-09	2.00E-11	5.00E-09
3422	740790.12	4107981.64	2.26E-08	3.81E-08	4.20E-10	6.11E-08	3.51E-09	6.24E-09	6.30E-11	9.82E-09	3.41E-09	5.37E-09	8.00E-11	8.87E-09	1.94E-09	2.96E-09	1.97E-11	4.92E-09
3423	740833.89	4107973.92	2.24E-08	3.77E-08	4.15E-10	6.05E-08	3.47E-09	6.18E-09	6.23E-11	9.71E-09	3.38E-09	5.32E-09	7.91E-11	8.77E-09	1.92E-09	2.93E-09	1.95E-11	4.87E-09
3424	740877.65	4107966.19	2.23E-08	3.75E-08	4.13E-10	6.02E-08	3.46E-09	6.15E-09	6.20E-11	9.67E-09	3.36E-09	5.29E-09	7.87E-11	8.73E-09	1.91E-09	2.92E-09	1.94E-11	4.85E-09
3425	740921.42	4107958.47	2.23E-08	3.76E-08	4.14E-10	6.03E-08	3.46E-09	6.16E-09	6.21E-11	9.68E-09	3.36E-09	5.30E-09	7.88E-11	8.74E-09	1.91E-09	2.92E-09	1.94E-11	4.85E-09
3426	740965.18	4107950.74	2.24E-08	3.78E-08	4.16E-10	6.06E-08	3.48E-09	6.19E-09	6.24E-11	9.73E-09	3.38E-09	5.33E-09	7.93E-11	8.79E-09	1.92E-09	2.94E-09	1.96E-11	4.88E-09
3427	741008.95	4107943.02	2.26E-08	3.81E-08	4.20E-10	6.11E-08	3.51E-09	6.24E-09	6.30E-11	9.81E-09	3.41E-09	5.37E-09	7.99E-11	8.86E-09	1.94E-09	2.96E-09	1.97E-11	4.92E-09
3428	741052.71	4107935.29	2.28E-08	3.84E-08	4.24E-10	6.17E-08	3.54E-09	6.30E-09	6.35E-11	9.91E-09	3.44E-09	5.42E-09	8.07E-11	8.95E-09	1.96E-09	2.99E-09	1.99E-11	4.97E-09

3429	741096.48	4107927.57	2.30E-08	3.87E-08	4.27E-10	6.22E-08	3.57E-09	6.35E-09	6.40E-11	9.98E-09	3.47E-09	5.46E-09	8.13E-11	9.02E-09	1.97E-09	3.01E-09	2.00E-11	5.01E-09
3430	741140.24	4107919.84	2.32E-08	3.90E-08	4.30E-10	6.26E-08	3.59E-09	6.39E-09	6.44E-11	1.00E-08	3.49E-09	5.50E-09	8.18E-11	9.07E-09	1.98E-09	3.03E-09	2.02E-11	5.04E-09
3431	741184.01	4107912.12	2.33E-08	3.92E-08	4.32E-10	6.29E-08	3.61E-09	6.42E-09	6.48E-11	1.01E-08	3.51E-09	5.53E-09	8.22E-11	9.12E-09	1.99E-09	3.05E-09	2.03E-11	5.06E-09
3432	741227.78	4107904.39	2.34E-08	3.93E-08	4.33E-10	6.31E-08	3.62E-09	6.44E-09	6.50E-11	1.01E-08	3.52E-09	5.55E-09	8.25E-11	9.15E-09	2.00E-09	3.06E-09	2.03E-11	5.08E-09
3433	741271.54	4107896.67	2.35E-08	3.95E-08	4.35E-10	6.34E-08	3.64E-09	6.47E-09	6.53E-11	1.02E-08	3.54E-09	5.57E-09	8.29E-11	9.19E-09	2.01E-09	3.07E-09	2.04E-11	5.10E-09
3434	741315.31	4107888.94	2.36E-08	3.97E-08	4.38E-10	6.38E-08	3.66E-09	6.51E-09	6.57E-11	1.02E-08	3.56E-09	5.61E-09	8.34E-11	9.25E-09	2.02E-09	3.09E-09	2.06E-11	5.14E-09
3435	741359.07	4107881.22	2.38E-08	4.01E-08	4.42E-10	6.44E-08	3.70E-09	6.58E-09	6.63E-11	1.03E-08	3.59E-09	5.66E-09	8.42E-11	9.34E-09	2.04E-09	3.12E-09	2.08E-11	5.18E-09
3436	741402.84	4107873.49	2.42E-08	4.07E-08	4.48E-10	6.53E-08	3.75E-09	6.67E-09	6.72E-11	1.05E-08	3.64E-09	5.74E-09	8.53E-11	9.46E-09	2.07E-09	3.16E-09	2.10E-11	5.25E-09
3437	741446.6	4107865.77	2.45E-08	4.13E-08	4.55E-10	6.63E-08	3.81E-09	6.77E-09	6.83E-11	1.06E-08	3.70E-09	5.83E-09	8.67E-11	9.62E-09	2.10E-09	3.21E-09	2.14E-11	5.34E-09
3438	741490.37	4107858.04	2.50E-08	4.20E-08	4.63E-10	6.74E-08	3.87E-09	6.89E-09	6.94E-11	1.08E-08	3.76E-09	5.93E-09	8.82E-11	9.78E-09	2.14E-09	3.27E-09	2.17E-11	5.43E-09
3439	741534.13	4107850.32	2.54E-08	4.27E-08	4.70E-10	6.85E-08	3.93E-09	6.99E-09	7.05E-11	1.10E-08	3.82E-09	6.02E-09	8.96E-11	9.93E-09	2.17E-09	3.32E-09	2.21E-11	5.51E-09
3440	741577.9	4107842.59	2.57E-08	4.33E-08	4.77E-10	6.94E-08	3.99E-09	7.09E-09	7.15E-11	1.12E-08	3.88E-09	6.10E-09	9.08E-11	1.01E-08	2.20E-09	3.37E-09	2.24E-11	5.59E-09
3441	741621.66	4107834.87	2.60E-08	4.37E-08	4.82E-10	7.02E-08	4.03E-09	7.17E-09	7.23E-11	1.13E-08	3.92E-09	6.17E-09	9.18E-11	1.02E-08	2.23E-09	3.40E-09	2.26E-11	5.65E-09
3442	741665.43	4107827.14	2.62E-08	4.41E-08	4.86E-10	7.08E-08	4.07E-09	7.23E-09	7.30E-11	1.14E-08	3.95E-09	6.22E-09	9.26E-11	1.03E-08	2.25E-09	3.43E-09	2.28E-11	5.70E-09
3443	741709.2	4107819.42	2.64E-08	4.44E-08	4.90E-10	7.13E-08	4.09E-09	7.28E-09	7.34E-11	1.15E-08	3.98E-09	6.27E-09	9.32E-11	1.03E-08	2.26E-09	3.46E-09	2.30E-11	5.74E-09
3444	741752.96	4107811.7	2.66E-08	4.47E-08	4.93E-10	7.18E-08	4.12E-09	7.33E-09	7.39E-11	1.15E-08	4.01E-09	6.31E-09	9.39E-11	1.04E-08	2.28E-09	3.48E-09	2.32E-11	5.78E-09
3445	741796.73	4107803.97	2.68E-08	4.51E-08	4.97E-10	7.23E-08	4.15E-09	7.39E-09	7.45E-11	1.16E-08	4.04E-09	6.36E-09	9.46E-11	1.05E-08	2.29E-09	3.51E-09	2.33E-11	5.82E-09
3446	741840.49	4107796.25	2.70E-08	4.55E-08	5.01E-10	7.30E-08	4.19E-09	7.46E-09	7.52E-11	1.17E-08	4.08E-09	6.42E-09	9.55E-11	1.06E-08	2.32E-09	3.54E-09	2.35E-11	5.88E-09
3447	741884.26	4107788.52	2.73E-08	4.60E-08	5.07E-10	7.39E-08	4.24E-09	7.55E-09	7.61E-11	1.19E-08	4.12E-09	6.49E-09	9.66E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.95E-09
3448	741928.02	4107780.8	2.77E-08	4.66E-08	5.14E-10	7.48E-08	4.29E-09	7.64E-09	7.71E-11	1.20E-08	4.18E-09	6.57E-09	9.78E-11	1.08E-08	2.37E-09	3.63E-09	2.41E-11	6.02E-09
3449	741971.79	4107773.07	2.80E-08	4.72E-08	5.20E-10	7.57E-08	4.35E-09	7.73E-09	7.80E-11	1.22E-08	4.23E-09	6.65E-09	9.90E-11	1.10E-08	2.40E-09	3.67E-09	2.44E-11	6.09E-09
3450	742015.55	4107765.35	2.83E-08	4.76E-08	5.25E-10	7.64E-08	4.39E-09	7.80E-09	7.87E-11	1.23E-08	4.26E-09	6.71E-09	9.99E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.15E-09
3451	742059.32	4107757.62	2.84E-08	4.79E-08	5.27E-10	7.68E-08	4.41E-09	7.85E-09	7.91E-11	1.23E-08	4.29E-09	6.75E-09	1.00E-10	1.11E-08	2.44E-09	3.72E-09	2.48E-11	6.18E-09
3452	742103.08	4107749.9	2.85E-08	4.79E-08	5.28E-10	7.69E-08	4.41E-09	7.85E-09	7.92E-11	1.23E-08	4.29E-09	6.75E-09	1.01E-10	1.11E-08	2.44E-09	3.73E-09	2.48E-11	6.19E-09
3453	742146.85	4107742.17	2.83E-08	4.77E-08	5.26E-10	7.66E-08	4.40E-09	7.82E-09	7.89E-11	1.23E-08	4.27E-09	6.73E-09	1.00E-10	1.11E-08	2.43E-09	3.71E-09	2.47E-11	6.16E-09
3454	742190.62	4107734.45	2.81E-08	4.73E-08	5.22E-10	7.60E-08	4.36E-09	7.76E-09	7.83E-11	1.22E-08	4.24E-09	6.68E-09	9.94E-11	1.10E-08	2.41E-09	3.68E-09	2.45E-11	6.12E-09
3455	742234.38	4107726.72	2.79E-08	4.69E-08	5.17E-10	7.54E-08	4.33E-09	7.70E-09	7.76E-11	1.21E-08	4.21E-09	6.62E-09	9.85E-11	1.09E-08	2.39E-09	3.65E-09	2.43E-11	6.07E-09
3456	742278.15	4107719	2.77E-08	4.66E-08	5.14E-10	7.49E-08	4.30E-09	7.65E-09	7.71E-11	1.20E-08	4.18E-09	6.58E-09	9.79E-11	1.09E-08	2.37E-09	3.63E-09	2.41E-11	6.03E-09
3457	742321.91	4107711.27	2.76E-08	4.65E-08	5.13E-10	7.47E-08	4.29E-09	7.63E-09	7.69E-11	1.20E-08	4.17E-09	6.56E-09	9.76E-11	1.08E-08	2.37E-09	3.62E-09	2.41E-11	6.01E-09
3458	742365.68	4107703.55	2.78E-08	4.67E-08	5.15E-10	7.50E-08	4.30E-09	7.66E-09	7.72E-11	1.20E-08	4.18E-09	6.59E-09	9.80E-11	1.09E-08	2.38E-09	3.63E-09	2.42E-11	6.04E-09
3459	742427.68	4107708.52	2.87E-08	4.82E-08	5.31E-10	7.74E-08	4.44E-09	7.91E-09	7.97E-11	1.24E-08	4.32E-09	6.80E-09	1.01E-10	1.12E-08	2.46E-09	3.75E-09	2.50E-11	6.23E-09
3460	742464.14	4107733.92	3.00E-08	5.04E-08	5.56E-10	8.09E-08	4.65E-09	8.27E-09	8.34E-11	1.30E-08	4.52E-09	7.11E-09	1.06E-10	1.17E-08	2.57E-09	3.92E-09	2.61E-11	6.52E-09
3461	742500.61	4107759.33	3.15E-08	5.30E-08	5.84E-10	8.50E-08	4.88E-09	8.68E-09	8.76E-11	1.37E-08	4.75E-09	7.47E-09	1.11E-10	1.23E-08	2.70E-09	4.12E-09	2.74E-11	6.85E-09
3462	742537.08	4107784.73	3.31E-08	5.57E-08	6.13E-10	8.93E-08	5.13E-09	9.12E-09	9.20E-11	1.43E-08	4.99E-09	7.85E-09	1.17E-10	1.30E-08	2.83E-09	4.33E-09	2.88E-11	7.19E-09
3463	742573.55	4107810.13	3.47E-08	5.84E-08	6.43E-10	9.37E-08	5.38E-09	9.57E-09	9.65E-11	1.50E-08	5.23E-09	8.23E-09	1.23E-10	1.36E-08	2.97E-09	4.54E-09	3.02E-11	7.54E-09
3464	742610.01	4107835.53	3.61E-08	6.08E-08	6.70E-10	9.76E-08	5.60E-09	9.97E-09	1.01E-10	1.57E-08	5.45E-09	8.58E-09	1.28E-10	1.42E-08	3.10E-09	4.73E-09	3.15E-11	7.86E-09
3465	742646.48	4107860.93	3.73E-08	6.28E-08	6.92E-10	1.01E-07	5.78E-09	1.03E-08	1.04E-10	1.62E-08	5.62E-09	8.85E-09	1.32E-10	1.46E-08	3.20E-09	4.88E-09	3.25E-11	8.11E-09
3466	742682.95	4107886.33	3.81E-08	6.41E-08	7.07E-10	1.03E-07	5.91E-09	1.05E-08	1.06E-10	1.65E-08	5.75E-09	9.05E-09	1.35E-10	1.49E-08	3.27E-09	4.99E-09	3.32E-11	8.29E-09
3467	742719.42	4107911.73	3.85E-08	6.48E-08	7.15E-10	1.04E-07	5.98E-09	1.06E-08	1.07E-10	1.67E-08	5.81E-09	9.15E-09	1.36E-10	1.51E-08	3.30E-09	5.05E-09	3.36E-11	8.38E-09
3468	742755.89	4107937.13	3.87E-08	6.51E-08	7.17E-10	1.04E-07	6.00E-09	1.07E-08	1.08E-10	1.68E-08	5.83E-09	9.18E-09	1.37E-10	1.51E-08	3.31E-09	5.06E-09	3.37E-11	8.41E-09
3469	742792.35	4107962.53	3.86E-08	6.50E-08	7.16E-10	1.04E-07	5.99E-09	1.07E-08	1.07E-10	1.68E-08	5.82E-09	9.17E-09	1.36E-10	1.51E-08	3.31E-09	5.06E-09	3.36E-11	8.40E-09
3470	742828.82	4107987.93	3.86E-08	6.49E-08	7.15E-10	1.04E-07	5.98E-09	1.06E-08	1.07E-10	1.67E-08	5.82E-09	9.16E-09	1.36E-10	1.51E-08	3.30E-09	5.05E-09	3.36E-11	8.39E-09
3471	742865.29	4108013.33	3.87E-08	6.51E-08	7.18E-10	1.05E-07	6.00E-09	1.07E-08	1.08E-10	1.68E-08	5.83E-09	9.18E-09	1.37E-10	1.52E-08	3.31E-09	5.07E-09	3.37E-11	8.41E-09
3472	742901.76	4108038.73	3.91E-08	6.58E-08	7.25E-10	1.06E-07	6.06E-09	1.08E-08	1.09E-10	1.69E-08	5.89E-09	9.28E-09	1.38E-10	1.53E-08	3.35E-09	5.12E-09	3.40E-11	8.50E-09
3473	742938.22	4108064.13	3.98E-08	6.69E-08	7.38E-10	1.07E-07	6.17E-09	1.10E-08	1.11E-10	1.72E-08	6.00E-09	9.44E-09	1.40E-10	1.56E-08	3.41E-09	5.21E-09	3.46E-11	8.65E-09
3474	742974.69	4108089.54	4.08E-08	6.86E-08	7.56E-10	1.10E-07	6.32E-09	1.12E-08	1.13E-10	1.77E-08	6.15E-09	9.68E-09	1.44E-10	1.60E-08	3.49E-09	5.34E-09	3.55E-11	8.86E-09
3475	743011.16	4108114.94	4.20E-08	7.07E-08	7.79E-10	1.13E-07	6.51E-09	1.16E-08	1.17E-10	1.82E-08	6.33E-09	9.97E-09	1.48E-10	1.64E-08	3.60E-09	5.50E-09	3.66E-11	9.13E-09
3476	743047.63	4108140.34	4.35E-08	7.31E-08	8.06E-10	1.17E-07	6.74E-09	1.20E-08	1.21E-10	1.89E-08	6.55E-09	1.03E-08	1.54E-10	1.70E-08	3.72E-09	5.69E-09	3.79E-11	9.45E-09
3477	743084.09	4108165.74	4.52E-08	7.60E-08	8.37E-10	1.22E-07	7.00E-09	1.25E-08	1.26E-10	1.96E-08	6.81E-09	1.07E-08	1.59E-10	1.77E-08	3.87E-09	5.91E-09	3.93E-11	9.82E-09
3478	743120.56	4108191.14	4.71E-08	7.93E-08	8.74E-10	1.27E-07	7.31E-09	1.30E-08	1.31E-10	2.04E-08	7.11E-09	1.12E-08	1.66E-10	1.85E-08	4.04E-09	6.17E-09	4.11E-11	1.02E-08
3479	743157.03	4108216.54	4.93E-08	8.30E-08	9.15E-10	1.33E-07	7.65E-09	1.36E-08	1.37E-10	2.14E-08	7.44E-09	1.17E-08	1.74E-10	1.93E-08	4.23E-09	6.46E-09	4.30E-11	1.07E-08
3480	743193.5	4108241.94	5.18E-08	8.71E-08	9.60E-10	1.40E-07	8.03E-09	1.43E-08	1.44E-10	2.24E-08	7.80E-09	1.23E-08	1.83E-10	2.03E-08	4.43E-09	6.78E-09	4.51E-11	1.13E-08
3481	743229.96	4108267.34	5.44E-08	9.16E-08	1.01E-09	1.47E-07	8.44E-09	1.50E-08	1.51E-10	2.36E-08	8.21E-09	1.29E-08	1.92E-10	2.13E-08	4.66E-09	7.13E-09	4.74E-11	1.18E-08
3482	743266.43	4108292.74	5.73E-08	9.64E-08	1.06E-09	1.55E-07	8.88E-09	1.58E-08	1.59E-10	2.48E-08	8.64E-09	1.36E-08	2.02E-10	2.24E-08	4.91E-09	7.50E-09	4.99E-11	1.25E-08
3483	743302.9	4108318.14	6.02E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.08E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
3484	743339.37	4108343.54	6.33E-08	1.06E-07	1.17E-09	1.71E-07	9.81E-09	1.75E-08	1.76E-10	2.74E-08	9.54E-09	1.50E-08	2.24E-10	2.48E-08	5.42E-09	8.29E-09	5.51E-11	1.38E-08
3485	743375.83	4108368.94	6.63E-08	1.12E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.85E-10	2.88E-08	1.00E-08	1.57E-08	2.34E-10	2.60E-08	5.68E-09	8.68E-09	5.78E-11	1.44E-08
3486	743412.3	4108394.35	6.93E-08	1.17E-07	1.28E-09	1.87E-07	1.07E-08	1.91E-08	1.93E-10	3.00E-08	1.04E-08	1.64E-08	2.45E-10	2.71E-08	5.93E-09	9.07E-09	6.03E-11	1.51E-08
3487	743448.77	4108419.75	7.19E-08	1.21E-07	1.33E-09	1.94E-07	1.12E-08	1.98E-08	2.00E-10	3.12E-08	1.08E-08	1.71E-08	2.54E-10	2.82E-08	6.16E-09	9.42E-09	6.26E-11	1.56E-08
3488	743485.24	4108445.15	7.41E-08	1.25E-07	1.38E-09	2.00E-07	1.15E-08	2.05E-08	2.06E-10	3.22E-08	1.12E-08	1.76E-08	2.62E-10	2.90E-08	6.35E-09	9.71E-09	6.46E-11	1.61E-08
3489	743521.7	4108470.55	7.59E-08	1.28E-07	1.41E-09	2.05E-07	1.18E-08	2.09E-08	2.11E-10	3.29E-08	1.14E-08	1.80E-08	2.68E-10	2.97E-08	6.50E-09	9.94E-09	6.61E-11	1.65E-08
3490	743558.17	4108495.95	7.71E-08	1.30E-07	1.43E-09	2.08E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.16E-08	1.83E-08	2.72E-10	3.02E-08	6.61E-09	1.01E-08	6.72E-11	1.68E-08
3491	743594.64	4108521.35	7.80E-08	1.31E-07	1.45E-09	2.11E-07	1.21E-08	2.15E-08	2.17E-10	3.38E-08	1.18E-08	1.85E-08	2.76E-10	3.06E-08	6.69E-09	1.02E-08	6.80E-11	1.70E-08
3492	743631.11	4108546.75	7.88E-08	1.33E-07	1.46E-09	2.13E-07	1.22E-08	2.17E-08	2.19E-10	3.42E-08	1.19E-08	1.87E-08	2.78E-10	3.09E-08	6.75E-09	1.03E-08	6.87E-11	1.71E-08
3493	743667.57	4108572.15	7.98E-08	1.34E-07	1.48E-09	2.16E-07	1.24E-08	2.20E-08	2.22E-10	3.46E-08	1.20E-08	1.89E-08	2.82E-10	3.13E-08	6.84E-09	1.04E-08	6.95E-11	1.74E-08
3494	743704.04	4108597.55	8.10E-08	1.36E-07	1.50E-09	2.19E-07	1.26E-08	2.23E-08	2.25E-10	3.51E-08	1.22E-08	1.92E-08	2.86E-10	3.17E-08	6.94E-09	1.06E-08	7.05E-11	1.76E-08
3495	743740.51	4108622.95	8.24E-08	1.39E-07	1.53E-09	2.23E-07	1.28E-08	2.27E-08	2.29E-10	3.57E-08	1.24E-08	1.96E-08	2.91E-10	3.23E-08	7.06E-09	1.08E-08	7.18E-11	1.79E-08
3496	743776.98	4108648.35	8.38E-08	1.41E-07	1.55E-09	2.26E-07	1.30E-08	2.31E-08	2.33E-10	3.63E-08	1.26E-08	1.99E-08	2.96E-10	3.28E-08	7.18E-09	1.10E-08	7.30E-11	1.82E-08
3497	743813.45	4108673.75	8.49E-08	1.43E-07	1.58E-09	2.29E-07	1.32E-08	2.34E-08	2.36E-10	3.68E-08	1.28E-08	2.02E-08	3.00E-10	3.33E-08	7.28E-09	1.11E-08	7.40E-11	1.85E-08
3498	740661.89	4108012.91	2.41E-08	4.05E-08	4.46E-10	6.50E-08	3.73E-09	6.64E-09	6.70E-11	1.04E-08	3.63E-09	5.71E-09	8.50E-11	9.43E-09	2.06E-09	3.15E-09	2.10E-11	5.23E-09
3499	740624.27	4108036.83	2.48E-08	4.18E-08	4.61E-10	6.71E-08	3.85E-09	6.85E-09	6.91E-11	1.08E-08	3.74E-09	5.90E-09	8.77E-11	9.73E-09	2.13E-09	3.25E-09	2.16E-11	5.40E-09
3500	740586.64	4108060.75	2.55E-08	4.29E-08	4.73E-10	6.89E-08	3.96E-09	7.04E-09	7.10E-11	1.11E-08	3.85E-09	6.06E-09	9.01E-11	9.99E-09	2.19E-09	3.34E-09	2.22E-11	5.55E-09
3501	740531.58	4107651.83	1.80E-08	3.03E-08	3.34E-10	4.86E-08	2.79E-09	4.96E-09	5.00E-11	7.80E-09	2.71E-09	4.27E-09	6.35E-11	7.04E-09	1.54E-09	2.35E-09	1.57E-11	3.91E-09
3502	740575.22	4107644.13	1.77E-08	2.97E-08	3.28E-10	4.77E-08	2.74E-09	4.87E-09	4.92E-11	7.66E-09	2.66E-09	4.19E-09	6.24E-11	6.92E-09	1.51E-09	2.31E-09	1.54E-11	3.84E-09
3503	740618.87	4107636.43	1.74E-08	2.94E-08	3.24E-10	4.71E-08	2.70E-09	4.81E-09	4.85E-11	7.57E-09	2.63E-09	4.14E-09	6.16E-11	6.83E-09	1.49E-09	2.28E-09	1.52E-11	3.79E-09
3504	740662.51	4107628.72	1.73E-08	2.92E-08	3.21E-10	4.68E-08	2.69E-09	4.78E-09	4.82E-11	7.51E-09	2.61E-09	4.11E-09	6.12E-11	6.79E-09	1.48E-09	2.27E-09	1.51E-11	3.77E-09
3505	740706.15	4107621.02	1.73E-08	2.91E-08	3.21E-10	4.68E-08	2.69E-09	4.78E-09	4.82E-11	7.51E-09	2.61E-09	4.11E-09	6.12E-11	6.78E-09	1.48E-09	2.27E-09	1.51E-11	3.77E-09
3506	740749.8	4107613.32	1.74E-08	2.93E-08	3.23E-10	4.70E-08	2.70E-09	4.80E-09	4.84E-11	7.55E-09	2.62E-09	4.13E-09	6.15E-11	6.82E-09	1.49E-09	2.28E-09	1.52E-11	3.79E-09
3507	740793.44	4107605.61	1.76E-08	2.96E-08	3.26E-10	4.75E-08	2.73E-09	4.85E-09	4.89E-11	7.62E-09	2.65E-09	4.17E-09	6.21E-11	6.89E-09	1.51E-09	2.30E-09	1.53E-11	3.82E-09
3508	740837.08	4107597.91	1.78E-08	3.00E-08	3.30E-10	4.81E-08	2.76E-09	4.91E-09	4.95E-11	7.72E-09	2.68E-09	4.23E-09	6.29E-11	6.97E-09	1.53E-09	2.33E-09	1.55E-11	3.87E-09
3509	740880.72	4107590.21	1.80E-08	3.03E-08	3.34E-10	4.87E-08	2.79E-09	4.97E-09	5.01E-11	7.81E-09	2.72E-09	4.28E-09	6.36E-11	7.06E-09	1.54E-09	2.36E-09	1.57E-11	3.92E-09
3510	740924.37	4107582.5	1.82E-08	3.06E-08	3.38E-10	4.92E-08	2.82E-09	5.02E-09	5.06E-11	7.89E-09	2.74E-09	4.32E-09	6.43E-11	7.13E-09	1.56E-09	2.38E-09	1.59E-11	3.96E-09
3511	740968.01	4107574.8	1.83E-08	3.08E-08	3.40E-10	4.95E-08	2.84E-09	5.06E-09	5.10E-11	7.95E-09	2.76E-09	4.35E-09	6.47E-11	7.18E-09	1.57E-09	2.40E-09	1.60E-11	3.99E-09
3512	741011.65	4107567.1	1.84E-08	3.10E-08	3.41E-10	4.97E-08	2.85E-09	5.07E-09	5.12E-11	7.98E-09	2.77E-09	4.37E-09	6.50E-11	7.20E-09	1.58E-09	2.41E-09	1.60E-11	4.00E-09
3513	741055.29	4107559.39	1.84E-08	3.10E-08	3.41E-10	4.97E-08	2.85E-09	5.08E-09	5.12E-11	7.99E-09	2.78E-09	4.37E-09	6.50E-11	7.21E-09	1.58E-09	2.41E-09	1.60E-11	4.00E-09
3514	741098.94	4107551.69	1.84E-08	3.10E-08	3.41E-10	4.97E-08	2.85E-09	5.08E-09	5.12E-11	7.98E-09	2.77E-09	4.37E-09	6.50E-11	7.21E-09	1.58E-09	2.41E-09	1.60E-11	4.00E-09
3515	741142.58	4107543.99	1.84E-08	3.10E-08	3.41E-10	4.97E-08	2.85E-09	5.07E-09	5.12E-11	7.98E-09	2.77E-09	4.37E-09	6.50E-11	7.20E-09	1.58E-09	2.41E-09	1.60E-11	4.00E-09
3516	741186.22	4107536.28	1.84E-08	3.10E-08	3.42E-10	4.98E-08	2.86E-09	5.09E-09	5.13E-11	8.00E-09	2.78E-09	4.38E-09	6.51E-11	7.22E-09	1.58E-09	2.41E-09	1.61E-11	4.01E-09

3517	741229.86	4107528.58	1.85E-08	3.12E-08	3.44E-10	5.01E-08	2.87E-09	5.11E-09	5.16E-11	8.04E-09	2.80E-09	4.40E-09	6.55E-11	7.26E-09	1.59E-09	2.43E-09	1.61E-11	4.03E-09
3518	741273.51	4107520.88	1.87E-08	3.15E-08	3.47E-10	5.06E-08	2.90E-09	5.16E-09	5.21E-11	8.12E-09	2.82E-09	4.44E-09	6.61E-11	7.33E-09	1.60E-09	2.45E-09	1.63E-11	4.07E-09
3519	741317.15	4107513.18	1.90E-08	3.19E-08	3.52E-10	5.13E-08	2.94E-09	5.24E-09	5.28E-11	8.23E-09	2.86E-09	4.51E-09	6.71E-11	7.44E-09	1.63E-09	2.49E-09	1.65E-11	4.13E-09
3520	741360.79	4107505.47	1.93E-08	3.25E-08	3.58E-10	5.22E-08	2.99E-09	5.33E-09	5.37E-11	8.38E-09	2.91E-09	4.58E-09	6.82E-11	7.56E-09	1.65E-09	2.53E-09	1.68E-11	4.20E-09
3521	741404.44	4107497.77	1.97E-08	3.31E-08	3.65E-10	5.31E-08	3.05E-09	5.43E-09	5.47E-11	8.53E-09	2.97E-09	4.67E-09	6.95E-11	7.71E-09	1.69E-09	2.58E-09	1.71E-11	4.28E-09
3522	741448.08	4107490.07	2.00E-08	3.37E-08	3.71E-10	5.41E-08	3.11E-09	5.52E-09	5.57E-11	8.69E-09	3.02E-09	4.75E-09	7.07E-11	7.84E-09	1.72E-09	2.62E-09	1.74E-11	4.36E-09
3523	741491.72	4107482.36	2.03E-08	3.42E-08	3.77E-10	5.49E-08	3.15E-09	5.61E-09	5.66E-11	8.82E-09	3.07E-09	4.83E-09	7.18E-11	7.96E-09	1.74E-09	2.66E-09	1.77E-11	4.42E-09
3524	741535.36	4107474.66	2.06E-08	3.46E-08	3.82E-10	5.56E-08	3.19E-09	5.68E-09	5.72E-11	8.92E-09	3.10E-09	4.88E-09	7.27E-11	8.06E-09	1.76E-09	2.69E-09	1.79E-11	4.47E-09
3525	741579.01	4107466.96	2.07E-08	3.49E-08	3.85E-10	5.60E-08	3.22E-09	5.72E-09	5.77E-11	9.00E-09	3.13E-09	4.92E-09	7.33E-11	8.12E-09	1.78E-09	2.72E-09	1.81E-11	4.51E-09
3526	741622.65	4107459.25	2.08E-08	3.51E-08	3.87E-10	5.63E-08	3.23E-09	5.75E-09	5.80E-11	9.04E-09	3.14E-09	4.95E-09	7.36E-11	8.16E-09	1.79E-09	2.73E-09	1.82E-11	4.53E-09
3527	741666.29	4107451.55	2.09E-08	3.52E-08	3.88E-10	5.65E-08	3.24E-09	5.77E-09	5.82E-11	9.07E-09	3.15E-09	4.96E-09	7.38E-11	8.19E-09	1.79E-09	2.74E-09	1.82E-11	4.55E-09
3528	741709.93	4107443.85	2.10E-08	3.53E-08	3.89E-10	5.66E-08	3.25E-09	5.78E-09	5.83E-11	9.09E-09	3.16E-09	4.97E-09	7.40E-11	8.21E-09	1.80E-09	2.74E-09	1.83E-11	4.56E-09
3529	741753.58	4107436.14	2.10E-08	3.54E-08	3.90E-10	5.68E-08	3.26E-09	5.80E-09	5.85E-11	9.12E-09	3.17E-09	4.99E-09	7.43E-11	8.24E-09	1.80E-09	2.75E-09	1.83E-11	4.57E-09
3530	741797.22	4107428.44	2.11E-08	3.56E-08	3.92E-10	5.71E-08	3.28E-09	5.83E-09	5.88E-11	9.17E-09	3.19E-09	5.02E-09	7.47E-11	8.28E-09	1.81E-09	2.77E-09	1.84E-11	4.60E-09
3531	741840.86	4107420.74	2.13E-08	3.59E-08	3.96E-10	5.76E-08	3.31E-09	5.89E-09	5.93E-11	9.25E-09	3.22E-09	5.06E-09	7.53E-11	8.36E-09	1.83E-09	2.79E-09	1.86E-11	4.64E-09
3532	741884.5	4107413.03	2.16E-08	3.63E-08	4.00E-10	5.83E-08	3.35E-09	5.95E-09	6.00E-11	9.36E-09	3.25E-09	5.12E-09	7.62E-11	8.45E-09	1.85E-09	2.82E-09	1.88E-11	4.69E-09
3533	741928.15	4107405.33	2.19E-08	3.68E-08	4.05E-10	5.90E-08	3.39E-09	6.03E-09	6.08E-11	9.48E-09	3.30E-09	5.19E-09	7.72E-11	8.56E-09	1.87E-09	2.86E-09	1.90E-11	4.75E-09
3534	741971.79	4107397.63	2.21E-08	3.72E-08	4.10E-10	5.98E-08	3.43E-09	6.10E-09	6.15E-11	9.60E-09	3.34E-09	5.25E-09	7.81E-11	8.67E-09	1.90E-09	2.90E-09	1.93E-11	4.81E-09
3535	742015.43	4107389.93	2.23E-08	3.76E-08	4.15E-10	6.04E-08	3.47E-09	6.17E-09	6.22E-11	9.69E-09	3.37E-09	5.31E-09	7.89E-11	8.75E-09	1.91E-09	2.93E-09	1.95E-11	4.86E-09
3536	742059.08	4107382.22	2.25E-08	3.79E-08	4.17E-10	6.08E-08	3.49E-09	6.21E-09	6.26E-11	9.76E-09	3.39E-09	5.34E-09	7.95E-11	8.81E-09	1.93E-09	2.95E-09	1.96E-11	4.89E-09
3537	742102.72	4107374.52	2.25E-08	3.79E-08	4.18E-10	6.09E-08	3.50E-09	6.22E-09	6.27E-11	9.78E-09	3.40E-09	5.35E-09	7.96E-11	8.83E-09	1.93E-09	2.95E-09	1.96E-11	4.90E-09
3538	742146.36	4107366.82	2.25E-08	3.78E-08	4.17E-10	6.07E-08	3.49E-09	6.20E-09	6.26E-11	9.75E-09	3.39E-09	5.34E-09	7.94E-11	8.81E-09	1.93E-09	2.94E-09	1.96E-11	4.89E-09
3539	742190	4107359.11	2.23E-08	3.76E-08	4.14E-10	6.03E-08	3.46E-09	6.16E-09	6.21E-11	9.68E-09	3.37E-09	5.30E-09	7.89E-11	8.74E-09	1.91E-09	2.92E-09	1.94E-11	4.86E-09
3540	742233.65	4107351.41	2.21E-08	3.72E-08	4.10E-10	5.97E-08	3.43E-09	6.10E-09	6.15E-11	9.58E-09	3.33E-09	5.25E-09	7.81E-11	8.66E-09	1.89E-09	2.89E-09	1.92E-11	4.81E-09
3541	742277.29	4107343.71	2.19E-08	3.68E-08	4.05E-10	5.90E-08	3.39E-09	6.03E-09	6.08E-11	9.48E-09	3.30E-09	5.19E-09	7.72E-11	8.56E-09	1.87E-09	2.86E-09	1.90E-11	4.75E-09
3542	742320.93	4107336	2.16E-08	3.64E-08	4.01E-10	5.85E-08	3.36E-09	5.97E-09	6.02E-11	9.39E-09	3.26E-09	5.14E-09	7.64E-11	8.48E-09	1.85E-09	2.83E-09	1.89E-11	4.71E-09
3543	742364.57	4107328.3	2.15E-08	3.62E-08	3.99E-10	5.81E-08	3.34E-09	5.94E-09	5.99E-11	9.34E-09	3.25E-09	5.11E-09	7.60E-11	8.43E-09	1.84E-09	2.82E-09	1.88E-11	4.68E-09
3544	742408.22	4107320.6	2.15E-08	3.62E-08	4.00E-10	5.82E-08	3.34E-09	5.94E-09	5.99E-11	9.34E-09	3.25E-09	5.11E-09	7.61E-11	8.44E-09	1.85E-09	2.82E-09	1.88E-11	4.69E-09
3545	742451.86	4107312.89	2.17E-08	3.65E-08	4.03E-10	5.86E-08	3.37E-09	5.99E-09	6.04E-11	9.42E-09	3.27E-09	5.15E-09	7.67E-11	8.50E-09	1.86E-09	2.84E-09	1.89E-11	4.72E-09
3546	742513.69	4107317.86	2.25E-08	3.78E-08	4.17E-10	6.07E-08	3.48E-09	6.20E-09	6.25E-11	9.74E-09	3.39E-09	5.33E-09	7.94E-11	8.80E-09	1.93E-09	2.94E-09	1.96E-11	4.89E-09
3547	742550.05	4107343.19	2.34E-08	3.94E-08	4.35E-10	6.33E-08	3.63E-09	6.47E-09	6.52E-11	1.02E-08	3.53E-09	5.56E-09	8.28E-11	9.18E-09	2.01E-09	3.07E-09	2.04E-11	5.10E-09
3548	742586.42	4107368.51	2.45E-08	4.13E-08	4.55E-10	6.63E-08	3.80E-09	6.77E-09	6.82E-11	1.06E-08	3.70E-09	5.82E-09	8.66E-11	9.61E-09	2.10E-09	3.21E-09	2.14E-11	5.33E-09
3549	742622.78	4107393.84	2.57E-08	4.33E-08	4.77E-10	6.95E-08	3.99E-09	7.09E-09	7.15E-11	1.12E-08	3.88E-09	6.11E-09	9.08E-11	1.01E-08	2.20E-09	3.37E-09	2.24E-11	5.59E-09
3550	742659.15	4107419.17	2.69E-08	4.53E-08	4.99E-10	7.27E-08	4.17E-09	7.42E-09	7.49E-11	1.17E-08	4.06E-09	6.39E-09	9.50E-11	1.05E-08	2.31E-09	3.52E-09	2.34E-11	5.85E-09
3551	742695.51	4107444.5	2.80E-08	4.72E-08	5.20E-10	7.57E-08	4.35E-09	7.73E-09	7.80E-11	1.22E-08	4.23E-09	6.65E-09	9.90E-11	1.10E-08	2.40E-09	3.67E-09	2.44E-11	6.09E-09
3552	742731.88	4107469.83	2.90E-08	4.88E-08	5.38E-10	7.83E-08	4.49E-09	8.00E-09	8.06E-11	1.26E-08	4.37E-09	6.88E-09	1.02E-10	1.14E-08	2.48E-09	3.79E-09	2.52E-11	6.30E-09
3553	742768.24	4107495.16	2.97E-08	5.00E-08	5.51E-10	8.03E-08	4.61E-09	8.20E-09	8.27E-11	1.29E-08	4.48E-09	7.06E-09	1.05E-10	1.16E-08	2.55E-09	3.89E-09	2.59E-11	6.46E-09
3554	742804.61	4107520.49	3.02E-08	5.08E-08	5.60E-10	8.15E-08	4.68E-09	8.33E-09	8.40E-11	1.31E-08	4.55E-09	7.17E-09	1.07E-10	1.18E-08	2.59E-09	3.95E-09	2.63E-11	6.57E-09
3555	742840.97	4107545.82	3.04E-08	5.11E-08	5.64E-10	8.21E-08	4.71E-09	8.38E-09	8.45E-11	1.32E-08	4.58E-09	7.21E-09	1.07E-10	1.19E-08	2.60E-09	3.98E-09	2.65E-11	6.61E-09
3556	742877.34	4107571.15	3.04E-08	5.11E-08	5.63E-10	8.20E-08	4.71E-09	8.37E-09	8.45E-11	1.32E-08	4.58E-09	7.21E-09	1.07E-10	1.19E-08	2.60E-09	3.97E-09	2.64E-11	6.60E-09
3557	742913.7	4107596.48	3.02E-08	5.08E-08	5.60E-10	8.15E-08	4.68E-09	8.33E-09	8.40E-11	1.31E-08	4.55E-09	7.16E-09	1.07E-10	1.18E-08	2.59E-09	3.95E-09	2.63E-11	6.56E-09
3558	742950.07	4107621.81	3.00E-08	5.05E-08	5.56E-10	8.10E-08	4.65E-09	8.27E-09	8.34E-11	1.30E-08	4.52E-09	7.12E-09	1.06E-10	1.17E-08	2.57E-09	3.93E-09	2.61E-11	6.52E-09
3559	742986.43	4107647.14	2.99E-08	5.03E-08	5.54E-10	8.07E-08	4.63E-09	8.24E-09	8.31E-11	1.30E-08	4.51E-09	7.09E-09	1.06E-10	1.17E-08	2.56E-09	3.91E-09	2.60E-11	6.50E-09
3560	743022.8	4107672.47	3.00E-08	5.04E-08	5.56E-10	8.09E-08	4.65E-09	8.27E-09	8.34E-11	1.30E-08	4.52E-09	7.11E-09	1.06E-10	1.17E-08	2.57E-09	3.92E-09	2.61E-11	6.52E-09
3561	743059.16	4107697.8	3.03E-08	5.10E-08	5.62E-10	8.18E-08	4.70E-09	8.36E-09	8.43E-11	1.31E-08	4.57E-09	7.19E-09	1.07E-10	1.19E-08	2.60E-09	3.97E-09	2.64E-11	6.59E-09
3562	743095.53	4107723.13	3.09E-08	5.19E-08	5.72E-10	8.34E-08	4.79E-09	8.51E-09	8.59E-11	1.34E-08	4.65E-09	7.33E-09	1.09E-10	1.21E-08	2.64E-09	4.04E-09	2.69E-11	6.71E-09
3563	743131.9	4107748.46	3.16E-08	5.32E-08	5.87E-10	8.54E-08	4.90E-09	8.73E-09	8.80E-11	1.37E-08	4.77E-09	7.51E-09	1.12E-10	1.24E-08	2.71E-09	4.14E-09	2.76E-11	6.88E-09
3564	743168.26	4107773.79	3.25E-08	5.47E-08	6.03E-10	8.78E-08	5.04E-09	8.97E-09	9.05E-11	1.41E-08	4.90E-09	7.72E-09	1.15E-10	1.27E-08	2.79E-09	4.26E-09	2.83E-11	7.07E-09
3565	743204.63	4107799.12	3.35E-08	5.64E-08	6.21E-10	9.05E-08	5.20E-09	9.24E-09	9.32E-11	1.45E-08	5.05E-09	7.95E-09	1.18E-10	1.31E-08	2.87E-09	4.39E-09	2.92E-11	7.29E-09
3566	743240.99	4107824.45	3.46E-08	5.82E-08	6.41E-10	9.34E-08	5.36E-09	9.54E-09	9.62E-11	1.50E-08	5.21E-09	8.21E-09	1.22E-10	1.35E-08	2.96E-09	4.53E-09	3.01E-11	7.52E-09
3567	743277.36	4107849.78	3.57E-08	6.01E-08	6.63E-10	9.65E-08	5.54E-09	9.86E-09	9.94E-11	1.55E-08	5.39E-09	8.48E-09	1.26E-10	1.40E-08	3.06E-09	4.68E-09	3.11E-11	7.77E-09
3568	743313.72	4107875.11	3.70E-08	6.23E-08	6.87E-10	1.00E-07	5.74E-09	1.02E-08	1.03E-10	1.61E-08	5.58E-09	8.79E-09	1.31E-10	1.45E-08	3.17E-09	4.85E-09	3.22E-11	8.05E-09
3569	743350.09	4107900.44	3.84E-08	6.47E-08	7.13E-10	1.04E-07	5.96E-09	1.06E-08	1.07E-10	1.67E-08	5.79E-09	9.12E-09	1.36E-10	1.51E-08	3.29E-09	5.03E-09	3.35E-11	8.36E-09
3570	743386.45	4107925.76	4.00E-08	6.73E-08	7.42E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.74E-08	6.03E-09	9.50E-09	1.41E-10	1.57E-08	3.43E-09	5.24E-09	3.49E-11	8.70E-09
3571	743422.82	4107951.09	4.17E-08	7.02E-08	7.73E-10	1.13E-07	6.47E-09	1.15E-08	1.16E-10	1.81E-08	6.29E-09	9.90E-09	1.47E-10	1.63E-08	3.57E-09	5.46E-09	3.63E-11	9.07E-09
3572	743459.18	4107976.42	4.35E-08	7.31E-08	8.06E-10	1.17E-07	6.74E-09	1.20E-08	1.21E-10	1.89E-08	6.55E-09	1.03E-08	1.54E-10	1.70E-08	3.72E-09	5.69E-09	3.79E-11	9.45E-09
3573	743495.55	4108001.75	4.53E-08	7.62E-08	8.40E-10	1.22E-07	7.03E-09	1.25E-08	1.26E-10	1.97E-08	6.83E-09	1.08E-08	1.60E-10	1.77E-08	3.88E-09	5.93E-09	3.95E-11	9.85E-09
3574	743531.91	4108027.08	4.72E-08	7.94E-08	8.75E-10	1.27E-07	7.32E-09	1.30E-08	1.31E-10	2.05E-08	7.11E-09	1.12E-08	1.67E-10	1.85E-08	4.04E-09	6.18E-09	4.11E-11	1.03E-08
3575	743568.28	4108052.41	4.91E-08	8.26E-08	9.11E-10	1.33E-07	7.62E-09	1.35E-08	1.37E-10	2.13E-08	7.41E-09	1.17E-08	1.73E-10	1.92E-08	4.21E-09	6.43E-09	4.28E-11	1.07E-08
3576	743604.64	4108077.74	5.10E-08	8.59E-08	9.47E-10	1.38E-07	7.91E-09	1.41E-08	1.42E-10	2.21E-08	7.70E-09	1.21E-08	1.80E-10	2.00E-08	4.37E-09	6.68E-09	4.45E-11	1.11E-08
3577	743641.01	4108103.07	5.29E-08	8.91E-08	9.82E-10	1.43E-07	8.21E-09	1.46E-08	1.47E-10	2.30E-08	7.98E-09	1.26E-08	1.87E-10	2.07E-08	4.54E-09	6.93E-09	4.61E-11	1.15E-08
3578	743677.37	4108128.4	5.48E-08	9.22E-08	1.02E-09	1.48E-07	8.49E-09	1.51E-08	1.52E-10	2.38E-08	8.26E-09	1.30E-08	1.93E-10	2.15E-08	4.69E-09	7.17E-09	4.77E-11	1.19E-08
3579	743713.74	4108153.73	5.64E-08	9.49E-08	1.05E-09	1.52E-07	8.75E-09	1.56E-08	1.57E-10	2.45E-08	8.51E-09	1.34E-08	1.99E-10	2.21E-08	4.83E-09	7.39E-09	4.91E-11	1.23E-08
3580	743750.11	4108179.06	5.78E-08	9.72E-08	1.07E-09	1.56E-07	8.96E-09	1.59E-08	1.61E-10	2.51E-08	8.71E-09	1.37E-08	2.04E-10	2.26E-08	4.95E-09	7.56E-09	5.03E-11	1.26E-08
3581	743786.47	4108204.39	5.87E-08	9.88E-08	1.09E-09	1.59E-07	9.11E-09	1.62E-08	1.63E-10	2.55E-08	8.85E-09	1.39E-08	2.07E-10	2.30E-08	5.03E-09	7.69E-09	5.12E-11	1.28E-08
3582	743822.84	4108229.72	5.94E-08	9.99E-08	1.10E-09	1.60E-07	9.21E-09	1.64E-08	1.65E-10	2.58E-08	8.95E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.77E-09	5.17E-11	1.29E-08
3583	743859.2	4108255.05	5.98E-08	1.01E-07	1.11E-09	1.62E-07	9.27E-09	1.65E-08	1.66E-10	2.59E-08	9.02E-09	1.42E-08	2.11E-10	2.34E-08	5.12E-09	7.83E-09	5.21E-11	1.30E-08
3584	743895.57	4108280.38	6.02E-08	1.01E-07	1.12E-09	1.62E-07	9.33E-09	1.66E-08	1.67E-10	2.61E-08	9.07E-09	1.43E-08	2.12E-10	2.36E-08	5.15E-09	7.88E-09	5.24E-11	1.31E-08
3585	743931.93	4108305.71	6.06E-08	1.02E-07	1.12E-09	1.64E-07	9.40E-09	1.67E-08	1.69E-10	2.63E-08	9.14E-09	1.44E-08	2.14E-10	2.37E-08	5.19E-09	7.94E-09	5.28E-11	1.32E-08
3586	743968.3	4108331.04	6.13E-08	1.03E-07	1.14E-09	1.66E-07	9.51E-09	1.69E-08	1.71E-10	2.66E-08	9.25E-09	1.46E-08	2.17E-10	2.40E-08	5.25E-09	8.03E-09	5.34E-11	1.33E-08
3587	744004.66	4108356.37	6.23E-08	1.05E-07	1.16E-09	1.68E-07	9.66E-09	1.72E-08	1.73E-10	2.70E-08	9.39E-09	1.48E-08	2.20E-10	2.44E-08	5.34E-09	8.15E-09	5.43E-11	1.35E-08
3588	744041.03	4108381.7	6.34E-08	1.07E-07	1.18E-09	1.71E-07	9.83E-09	1.75E-08	1.76E-10	2.75E-08	9.56E-09	1.51E-08	2.24E-10	2.48E-08	5.43E-09	8.30E-09	5.52E-11	1.38E-08
3589	744077.39	4108407.03	6.45E-08	1.09E-07	1.20E-09	1.74E-07	1.00E-08	1.78E-08	1.80E-10	2.80E-08	9.73E-09	1.53E-08	2.28E-10	2.53E-08	5.53E-09	8.45E-09	5.62E-11	1.40E-08
3590	744113.76	4108432.36	6.55E-08	1.10E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.82E-10	2.84E-08	9.88E-09	1.56E-08	2.31E-10	2.57E-08	5.61E-09	8.58E-09	5.71E-11	1.42E-08
3591	744150.12	4108457.69	6.62E-08	1.11E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.84E-10	2.87E-08	9.98E-09	1.57E-08	2.34E-10	2.59E-08	5.67E-09	8.67E-09	5.77E-11	1.44E-08
3592	740447.3	4107675.35	1.88E-08	3.17E-08	3.49E-10	5.09E-08	2.92E-09	5.20E-09	5.24E-11	8.17E-09	2.84E-09	4.47E-09	6.65E-11	7.38E-09	1.61E-09	2.47E-09	1.64E-11	4.10E-09
3593	740409.68	4107699.27	1.94E-08	3.27E-08	3.60E-10	5.25E-08	3.01E-09	5.36E-09	5.41E-11	8.43E-09	2.93E-09	4.61E-09	6.86E-11	7.61E-09	1.66E-09	2.54E-09	1.69E-11	4.23E-09
3594	740372.05	4107723.19	1.99E-08	3.36E-08	3.70E-10	5.39E-08	3.09E-09	5.50E-09	5.55E-11	8.65E-09	3.01E-09	4.74E-09	7.05E-11	7.81E-09	1.71E-09	2.61E-09	1.74E-11	4.34E-09
3595	740316.86	4107314.29	1.46E-08	2.45E-08	2.70E-10	3.94E-08	2.26E-09	4.02E-09	4.05E-11	6.32E-09	2.20E-09	3.46E-09	5.15E-11	5.71E-09	1.25E-09	1.91E-09	1.27E-11	3.17E-09
3596	740360.41	4107306.6	1.43E-08	2.41E-08	2.65E-10	3.86E-08	2.22E-09	3.95E-09	3.98E-11	6.20E-09	2.16E-09	3.40E-09	5.05E-11	5.60E-09	1.23E-09	1.87E-09	1.25E-11	3.11E-09
3597	740403.96	4107298.91	1.41E-08	2.37E-08	2.61E-10	3.81E-08	2.19E-09	3.89E-09	3.92E-11	6.11E-09	2.12E-09	3.35E-09	4.98E-11	5.52E-09	1.21E-09	1.85E-09	1.23E-11	3.06E-09
3598	740447.51	4107291.23	1.40E-08	2.35E-08	2.59E-10	3.77E-08	2.16E-09	3.85E-09	3.88E-11	6.05E-09	2.10E-09	3.31E-09	4.93E-11	5.47E-09	1.20E-09	1.83E-09	1.22E-11	3.04E-09
3599	740491.06	4107283.54	1.39E-08	2.34E-08	2.58E-10	3.76E-08	2.16E-09	3.84E-09	3.87E-11	6.04E-09	2.10E-09	3.30E-09	4.92E-11	5.45E-09	1.19E-09	1.82E-09	1.21E-11	3.03E-09
3600	740534.62	4107275.85	1.40E-08	2.35E-08	2.59E-10	3.77E-08	2.17E-09	3.85E-09	3.89E-11	6.06E-09	2.11E-09	3.32E-09	4.93E-11	5.47E-09	1.20E-09	1.83E-09	1.22E-11	3.04E-09
3601	740578.17	4107268.17	1.41E-08	2.37E-08	2.61E-10	3.81E-08	2.19E-09	3.89E-09	3.92E-11	6.11E-09	2.12E-09	3.35E-09	4.98E-11	5.52E-09	1.21E-09	1.85E-09	1.23E-11	3.06E-09
3602	740621.72	4107260.48	1.43E-08	2.40E-08	2.65E-10	3.85E-08	2.21E-09	3.94E-09	3.97E-11	6.19E-09	2.15E-09	3.39E-09	5.04E-11	5.59E-09	1.22E-09	1.87E-09	1.24E-11	3.10E-09
3603	740665.27	4107252.79	1.45E-08	2.44E-08	2.69E-10	3.91E-08	2.25E-09	3.99E-09	4.03E-11	6.28E-09	2.18E-09	3.44E-09	5.11E-11	5.67E-09	1.24E-09	1.90E-09	1.26E-11	3.15E-09
3604	740708.82	4107245.1	1.47E-08	2.47E-08	2.73E-10	3.97E-08	2.28E-09	4.05E-09	4.09E-11	6.37E-09	2.22E-09	3.49E-09	5.19E-11	5.76E-09	1.26E-09	1.92E-09	1.28E-11	3.20E-09

3605	740752.38	4107237.42	1.49E-08	2.50E-08	2.76E-10	4.02E-08	2.31E-09	4.10E-09	4.14E-11	6.45E-09	2.24E-09	3.53E-09	5.25E-11	5.83E-09	1.27E-09	1.95E-09	1.30E-11	3.24E-09
3606	740795.93	4107229.73	1.50E-08	2.52E-08	2.78E-10	4.05E-08	2.33E-09	4.14E-09	4.17E-11	6.51E-09	2.26E-09	3.56E-09	5.30E-11	5.88E-09	1.29E-09	1.96E-09	1.31E-11	3.26E-09
3607	740839.48	4107222.04	1.51E-08	2.53E-08	2.79E-10	4.07E-08	2.34E-09	4.15E-09	4.19E-11	6.53E-09	2.27E-09	3.58E-09	5.32E-11	5.90E-09	1.29E-09	1.97E-09	1.31E-11	3.28E-09
3608	740883.03	4107214.36	1.51E-08	2.54E-08	2.79E-10	4.07E-08	2.34E-09	4.16E-09	4.19E-11	6.54E-09	2.27E-09	3.58E-09	5.32E-11	5.90E-09	1.29E-09	1.97E-09	1.31E-11	3.28E-09
3609	740926.58	4107206.67	1.50E-08	2.53E-08	2.79E-10	4.06E-08	2.33E-09	4.15E-09	4.18E-11	6.52E-09	2.27E-09	3.57E-09	5.31E-11	5.89E-09	1.29E-09	1.97E-09	1.31E-11	3.27E-09
3610	740970.14	4107198.98	1.50E-08	2.52E-08	2.78E-10	4.05E-08	2.32E-09	4.13E-09	4.17E-11	6.50E-09	2.26E-09	3.56E-09	5.29E-11	5.87E-09	1.28E-09	1.96E-09	1.30E-11	3.26E-09
3611	741013.69	4107191.29	1.49E-08	2.51E-08	2.77E-10	4.03E-08	2.31E-09	4.12E-09	4.15E-11	6.47E-09	2.25E-09	3.54E-09	5.27E-11	5.84E-09	1.28E-09	1.95E-09	1.30E-11	3.24E-09
3612	741057.24	4107183.61	1.49E-08	2.51E-08	2.76E-10	4.02E-08	2.31E-09	4.11E-09	4.14E-11	6.46E-09	2.25E-09	3.54E-09	5.26E-11	5.83E-09	1.28E-09	1.95E-09	1.30E-11	3.24E-09
3613	741100.79	4107175.92	1.49E-08	2.51E-08	2.77E-10	4.03E-08	2.31E-09	4.12E-09	4.15E-11	6.47E-09	2.25E-09	3.54E-09	5.27E-11	5.85E-09	1.28E-09	1.95E-09	1.30E-11	3.25E-09
3614	741144.34	4107168.23	1.50E-08	2.53E-08	2.79E-10	4.06E-08	2.33E-09	4.15E-09	4.18E-11	6.52E-09	2.27E-09	3.57E-09	5.31E-11	5.89E-09	1.29E-09	1.97E-09	1.31E-11	3.27E-09
3615	741187.9	4107160.55	1.52E-08	2.56E-08	2.82E-10	4.11E-08	2.36E-09	4.19E-09	4.23E-11	6.59E-09	2.29E-09	3.61E-09	5.37E-11	5.96E-09	1.30E-09	1.99E-09	1.32E-11	3.31E-09
3616	741231.45	4107152.86	1.54E-08	2.60E-08	2.87E-10	4.17E-08	2.40E-09	4.26E-09	4.30E-11	6.70E-09	2.33E-09	3.67E-09	5.46E-11	6.05E-09	1.32E-09	2.02E-09	1.35E-11	3.36E-09
3617	741275	4107145.17	1.57E-08	2.65E-08	2.92E-10	4.25E-08	2.44E-09	4.34E-09	4.38E-11	6.83E-09	2.37E-09	3.74E-09	5.56E-11	6.17E-09	1.35E-09	2.06E-09	1.37E-11	3.42E-09
3618	741318.55	4107137.48	1.61E-08	2.70E-08	2.98E-10	4.34E-08	2.49E-09	4.43E-09	4.47E-11	6.97E-09	2.42E-09	3.81E-09	5.67E-11	6.29E-09	1.38E-09	2.10E-09	1.40E-11	3.49E-09
3619	741362.1	4107129.8	1.64E-08	2.75E-08	3.04E-10	4.42E-08	2.54E-09	4.51E-09	4.55E-11	7.10E-09	2.47E-09	3.88E-09	5.78E-11	6.41E-09	1.40E-09	2.14E-09	1.43E-11	3.56E-09
3620	741405.66	4107122.11	1.66E-08	2.80E-08	3.09E-10	4.50E-08	2.58E-09	4.59E-09	4.63E-11	7.22E-09	2.51E-09	3.95E-09	5.88E-11	6.52E-09	1.43E-09	2.18E-09	1.45E-11	3.62E-09
3621	741449.21	4107114.42	1.69E-08	2.84E-08	3.13E-10	4.55E-08	2.61E-09	4.65E-09	4.69E-11	7.31E-09	2.54E-09	4.00E-09	5.95E-11	6.60E-09	1.44E-09	2.21E-09	1.47E-11	3.67E-09
3622	741492.76	4107106.74	1.70E-08	2.86E-08	3.15E-10	4.59E-08	2.64E-09	4.69E-09	4.73E-11	7.38E-09	2.56E-09	4.04E-09	6.01E-11	6.66E-09	1.46E-09	2.23E-09	1.48E-11	3.70E-09
3623	741536.31	4107099.05	1.71E-08	2.88E-08	3.17E-10	4.62E-08	2.65E-09	4.71E-09	4.75E-11	7.41E-09	2.58E-09	4.06E-09	6.04E-11	6.69E-09	1.46E-09	2.24E-09	1.49E-11	3.72E-09
3624	741579.87	4107091.36	1.71E-08	2.88E-08	3.17E-10	4.62E-08	2.65E-09	4.72E-09	4.76E-11	7.42E-09	2.58E-09	4.06E-09	6.05E-11	6.70E-09	1.47E-09	2.24E-09	1.49E-11	3.72E-09
3625	741623.42	4107083.68	1.71E-08	2.88E-08	3.17E-10	4.62E-08	2.65E-09	4.72E-09	4.76E-11	7.42E-09	2.58E-09	4.06E-09	6.05E-11	6.70E-09	1.47E-09	2.24E-09	1.49E-11	3.72E-09
3626	741666.97	4107075.99	1.71E-08	2.88E-08	3.17E-10	4.62E-08	2.65E-09	4.72E-09	4.76E-11	7.42E-09	2.58E-09	4.06E-09	6.04E-11	6.70E-09	1.46E-09	2.24E-09	1.49E-11	3.72E-09
3627	741710.52	4107068.3	1.71E-08	2.88E-08	3.17E-10	4.62E-08	2.65E-09	4.72E-09	4.76E-11	7.42E-09	2.58E-09	4.06E-09	6.04E-11	6.70E-09	1.46E-09	2.24E-09	1.49E-11	3.72E-09
3628	741754.07	4107060.61	1.71E-08	2.89E-08	3.18E-10	4.63E-08	2.66E-09	4.73E-09	4.77E-11	7.44E-09	2.59E-09	4.07E-09	6.06E-11	6.72E-09	1.47E-09	2.25E-09	1.49E-11	3.73E-09
3629	741797.63	4107052.93	1.72E-08	2.90E-08	3.20E-10	4.66E-08	2.67E-09	4.76E-09	4.80E-11	7.48E-09	2.60E-09	4.09E-09	6.09E-11	6.76E-09	1.48E-09	2.26E-09	1.50E-11	3.75E-09
3630	741841.18	4107045.24	1.74E-08	2.93E-08	3.23E-10	4.70E-08	2.70E-09	4.80E-09	4.84E-11	7.55E-09	2.62E-09	4.13E-09	6.15E-11	6.82E-09	1.49E-09	2.28E-09	1.52E-11	3.79E-09
3631	741884.73	4107037.55	1.76E-08	2.96E-08	3.27E-10	4.76E-08	2.73E-09	4.86E-09	4.90E-11	7.64E-09	2.66E-09	4.18E-09	6.22E-11	6.90E-09	1.51E-09	2.31E-09	1.53E-11	3.83E-09
3632	741928.28	4107029.87	1.78E-08	3.00E-08	3.31E-10	4.82E-08	2.77E-09	4.92E-09	4.96E-11	7.74E-09	2.69E-09	4.23E-09	6.30E-11	6.99E-09	1.53E-09	2.34E-09	1.55E-11	3.88E-09
3633	741971.83	4107022.18	1.81E-08	3.04E-08	3.35E-10	4.88E-08	2.80E-09	4.99E-09	5.03E-11	7.84E-09	2.73E-09	4.29E-09	6.38E-11	7.08E-09	1.55E-09	2.37E-09	1.57E-11	3.93E-09
3634	742015.39	4107014.49	1.83E-08	3.08E-08	3.39E-10	4.94E-08	2.83E-09	5.04E-09	5.08E-11	7.93E-09	2.76E-09	4.34E-09	6.46E-11	7.16E-09	1.57E-09	2.39E-09	1.59E-11	3.97E-09
3635	742058.94	4107006.8	1.84E-08	3.10E-08	3.42E-10	4.98E-08	2.86E-09	5.08E-09	5.12E-11	7.99E-09	2.78E-09	4.37E-09	6.51E-11	7.21E-09	1.58E-09	2.41E-09	1.60E-11	4.01E-09
3636	742102.49	4106999.12	1.85E-08	3.11E-08	3.43E-10	4.99E-08	2.87E-09	5.10E-09	5.14E-11	8.01E-09	2.79E-09	4.39E-09	6.53E-11	7.24E-09	1.58E-09	2.42E-09	1.61E-11	4.02E-09
3637	742146.04	4106991.43	1.85E-08	3.11E-08	3.42E-10	4.98E-08	2.86E-09	5.09E-09	5.13E-11	8.00E-09	2.78E-09	4.38E-09	6.52E-11	7.23E-09	1.58E-09	2.42E-09	1.61E-11	4.01E-09
3638	742189.59	4106983.74	1.84E-08	3.09E-08	3.40E-10	4.96E-08	2.85E-09	5.06E-09	5.11E-11	7.96E-09	2.77E-09	4.36E-09	6.48E-11	7.19E-09	1.57E-09	2.40E-09	1.60E-11	3.99E-09
3639	742233.15	4106976.06	1.82E-08	3.06E-08	3.37E-10	4.91E-08	2.82E-09	5.02E-09	5.06E-11	7.89E-09	2.74E-09	4.32E-09	6.42E-11	7.12E-09	1.56E-09	2.38E-09	1.58E-11	3.95E-09
3640	742276.7	4106968.37	1.80E-08	3.03E-08	3.34E-10	4.86E-08	2.79E-09	4.97E-09	5.01E-11	7.81E-09	2.71E-09	4.27E-09	6.36E-11	7.05E-09	1.54E-09	2.36E-09	1.57E-11	3.91E-09
3641	742320.25	4106960.68	1.78E-08	2.99E-08	3.30E-10	4.80E-08	2.76E-09	4.91E-09	4.95E-11	7.71E-09	2.68E-09	4.22E-09	6.28E-11	6.97E-09	1.52E-09	2.33E-09	1.55E-11	3.87E-09
3642	742363.8	4106952.99	1.76E-08	2.96E-08	3.26E-10	4.75E-08	2.73E-09	4.85E-09	4.89E-11	7.63E-09	2.65E-09	4.17E-09	6.21E-11	6.89E-09	1.51E-09	2.30E-09	1.53E-11	3.82E-09
3643	742407.35	4106945.31	1.74E-08	2.94E-08	3.24E-10	4.71E-08	2.71E-09	4.81E-09	4.85E-11	7.57E-09	2.63E-09	4.14E-09	6.16E-11	6.84E-09	1.50E-09	2.28E-09	1.52E-11	3.80E-09
3644	742450.91	4106937.62	1.74E-08	2.93E-08	3.23E-10	4.70E-08	2.70E-09	4.80E-09	4.84E-11	7.55E-09	2.62E-09	4.13E-09	6.15E-11	6.82E-09	1.49E-09	2.28E-09	1.52E-11	3.79E-09
3645	742494.46	4106929.93	1.75E-08	2.94E-08	3.24E-10	4.72E-08	2.71E-09	4.82E-09	4.86E-11	7.58E-09	2.63E-09	4.15E-09	6.17E-11	6.84E-09	1.50E-09	2.29E-09	1.52E-11	3.80E-09
3646	742538.01	4106922.25	1.76E-08	2.97E-08	3.27E-10	4.77E-08	2.74E-09	4.87E-09	4.91E-11	7.65E-09	2.66E-09	4.19E-09	6.23E-11	6.91E-09	1.51E-09	2.31E-09	1.54E-11	3.84E-09
3647	742599.71	4106927.2	1.83E-08	3.07E-08	3.39E-10	4.93E-08	2.83E-09	5.04E-09	5.08E-11	7.92E-09	2.75E-09	4.34E-09	6.45E-11	7.16E-09	1.57E-09	2.39E-09	1.59E-11	3.97E-09
3648	742636	4106952.47	1.90E-08	3.20E-08	3.53E-10	5.14E-08	2.95E-09	5.25E-09	5.29E-11	8.25E-09	2.87E-09	4.51E-09	6.72E-11	7.45E-09	1.63E-09	2.49E-09	1.66E-11	4.14E-09
3649	742672.29	4106977.75	1.98E-08	3.34E-08	3.68E-10	5.36E-08	3.08E-09	5.48E-09	5.52E-11	8.61E-09	2.99E-09	4.71E-09	7.01E-11	7.78E-09	1.70E-09	2.60E-09	1.73E-11	4.32E-09
3650	742708.58	4107003.03	2.07E-08	3.49E-08	3.85E-10	5.60E-08	3.22E-09	5.72E-09	5.77E-11	9.00E-09	3.13E-09	4.92E-09	7.33E-11	8.12E-09	1.78E-09	2.72E-09	1.81E-11	4.51E-09
3651	742744.87	4107028.3	2.17E-08	3.64E-08	4.02E-10	5.85E-08	3.36E-09	5.97E-09	6.02E-11	9.39E-09	3.26E-09	5.14E-09	7.65E-11	8.48E-09	1.86E-09	2.83E-09	1.89E-11	4.71E-09
3652	742781.16	4107053.58	2.25E-08	3.79E-08	4.18E-10	6.08E-08	3.49E-09	6.21E-09	6.27E-11	9.77E-09	3.40E-09	5.35E-09	7.96E-11	8.82E-09	1.93E-09	2.95E-09	1.96E-11	4.90E-09
3653	742817.45	4107078.86	2.33E-08	3.93E-08	4.33E-10	6.30E-08	3.62E-09	6.44E-09	6.49E-11	1.01E-08	3.52E-09	5.54E-09	8.24E-11	9.14E-09	2.00E-09	3.05E-09	2.03E-11	5.07E-09
3654	742853.74	4107104.14	2.40E-08	4.04E-08	4.45E-10	6.48E-08	3.72E-09	6.62E-09	6.67E-11	1.04E-08	3.62E-09	5.69E-09	8.47E-11	9.39E-09	2.05E-09	3.14E-09	2.09E-11	5.22E-09
3655	742890.03	4107129.41	2.45E-08	4.12E-08	4.54E-10	6.61E-08	3.79E-09	6.75E-09	6.80E-11	1.06E-08	3.69E-09	5.81E-09	8.64E-11	9.58E-09	2.10E-09	3.20E-09	2.13E-11	5.32E-09
3656	742926.32	4107154.69	2.47E-08	4.16E-08	4.59E-10	6.68E-08	3.83E-09	6.82E-09	6.88E-11	1.07E-08	3.73E-09	5.87E-09	8.73E-11	9.68E-09	2.12E-09	3.24E-09	2.15E-11	5.38E-09
3657	742962.6	4107179.97	2.48E-08	4.17E-08	4.60E-10	6.70E-08	3.84E-09	6.84E-09	6.90E-11	1.08E-08	3.74E-09	5.89E-09	8.76E-11	9.71E-09	2.12E-09	3.25E-09	2.16E-11	5.39E-09
3658	742998.89	4107205.24	2.47E-08	4.15E-08	4.58E-10	6.67E-08	3.83E-09	6.81E-09	6.87E-11	1.07E-08	3.72E-09	5.86E-09	8.72E-11	9.67E-09	2.11E-09	3.23E-09	2.15E-11	5.37E-09
3659	743035.18	4107230.52	2.45E-08	4.12E-08	4.54E-10	6.61E-08	3.79E-09	6.75E-09	6.81E-11	1.06E-08	3.69E-09	5.81E-09	8.64E-11	9.58E-09	2.10E-09	3.20E-09	2.13E-11	5.32E-09
3660	743071.47	4107255.8	2.42E-08	4.07E-08	4.49E-10	6.54E-08	3.75E-09	6.68E-09	6.74E-11	1.05E-08	3.65E-09	5.75E-09	8.55E-11	9.48E-09	2.07E-09	3.17E-09	2.11E-11	5.27E-09
3661	743107.76	4107281.07	2.40E-08	4.04E-08	4.45E-10	6.49E-08	3.72E-09	6.63E-09	6.68E-11	1.04E-08	3.62E-09	5.70E-09	8.48E-11	9.41E-09	2.06E-09	3.14E-09	2.09E-11	5.22E-09
3662	743144.05	4107306.35	2.40E-08	4.03E-08	4.44E-10	6.47E-08	3.72E-09	6.61E-09	6.67E-11	1.04E-08	3.61E-09	5.69E-09	8.46E-11	9.38E-09	2.05E-09	3.14E-09	2.09E-11	5.21E-09
3663	743180.34	4107331.63	2.41E-08	4.05E-08	4.47E-10	6.51E-08	3.73E-09	6.64E-09	6.70E-11	1.04E-08	3.63E-09	5.72E-09	8.51E-11	9.43E-09	2.06E-09	3.15E-09	2.10E-11	5.24E-09
3664	743216.63	4107356.9	2.44E-08	4.11E-08	4.53E-10	6.60E-08	3.79E-09	6.74E-09	6.79E-11	1.06E-08	3.68E-09	5.80E-09	8.63E-11	9.57E-09	2.09E-09	3.20E-09	2.13E-11	5.31E-09
3665	743252.92	4107382.18	2.49E-08	4.20E-08	4.63E-10	6.74E-08	3.87E-09	6.88E-09	6.94E-11	1.08E-08	3.76E-09	5.92E-09	8.81E-11	9.77E-09	2.14E-09	3.27E-09	2.17E-11	5.42E-09
3666	743289.21	4107407.46	2.56E-08	4.30E-08	4.74E-10	6.91E-08	3.97E-09	7.06E-09	7.12E-11	1.11E-08	3.86E-09	6.07E-09	9.04E-11	1.00E-08	2.19E-09	3.35E-09	2.23E-11	5.56E-09
3667	743325.5	4107432.74	2.63E-08	4.43E-08	4.88E-10	7.10E-08	4.08E-09	7.26E-09	7.32E-11	1.14E-08	3.97E-09	6.24E-09	9.29E-11	1.03E-08	2.25E-09	3.44E-09	2.29E-11	5.72E-09
3668	743361.79	4107458.01	2.70E-08	4.55E-08	5.02E-10	7.31E-08	4.19E-09	7.46E-09	7.52E-11	1.17E-08	4.08E-09	6.42E-09	9.55E-11	1.06E-08	2.32E-09	3.54E-09	2.36E-11	5.88E-09
3669	743398.08	4107483.29	2.78E-08	4.68E-08	5.16E-10	7.51E-08	4.31E-09	7.67E-09	7.73E-11	1.21E-08	4.19E-09	6.60E-09	9.82E-11	1.09E-08	2.38E-09	3.64E-09	2.42E-11	6.05E-09
3670	743434.37	4107508.57	2.86E-08	4.81E-08	5.30E-10	7.72E-08	4.43E-09	7.88E-09	7.95E-11	1.24E-08	4.31E-09	6.78E-09	1.01E-10	1.12E-08	2.45E-09	3.74E-09	2.49E-11	6.21E-09
3671	743470.66	4107533.84	2.94E-08	4.95E-08	5.45E-10	7.94E-08	4.56E-09	8.11E-09	8.18E-11	1.27E-08	4.43E-09	6.98E-09	1.04E-10	1.15E-08	2.52E-09	3.85E-09	2.56E-11	6.39E-09
3672	743506.95	4107559.12	3.03E-08	5.10E-08	5.62E-10	8.18E-08	4.70E-09	8.36E-09	8.43E-11	1.31E-08	4.57E-09	7.19E-09	1.07E-10	1.19E-08	2.60E-09	3.97E-09	2.64E-11	6.59E-09
3673	743543.24	4107584.4	3.13E-08	5.26E-08	5.80E-10	8.45E-08	4.85E-09	8.63E-09	8.70E-11	1.36E-08	4.72E-09	7.43E-09	1.10E-10	1.23E-08	2.68E-09	4.10E-09	2.73E-11	6.80E-09
3674	743579.53	4107609.67	3.24E-08	5.45E-08	6.00E-10	8.74E-08	5.02E-09	8.93E-09	9.00E-11	1.40E-08	4.88E-09	7.68E-09	1.14E-10	1.27E-08	2.77E-09	4.24E-09	2.82E-11	7.04E-09
3675	743615.82	4107634.95	3.35E-08	5.64E-08	6.22E-10	9.06E-08	5.20E-09	9.25E-09	9.33E-11	1.45E-08	5.06E-09	7.96E-09	1.18E-10	1.31E-08	2.87E-09	4.39E-09	2.92E-11	7.29E-09
3676	743652.11	4107660.23	3.47E-08	5.85E-08	6.44E-10	9.38E-08	5.39E-09	9.58E-09	9.67E-11	1.51E-08	5.24E-09	8.25E-09	1.23E-10	1.36E-08	2.98E-09	4.55E-09	3.03E-11	7.56E-09
3677	743688.4	4107685.51	3.60E-08	6.05E-08	6.67E-10	9.71E-08	5.58E-09	9.92E-09	1.00E-10	1.56E-08	5.42E-09	8.54E-09	1.27E-10	1.41E-08	3.08E-09	4.71E-09	3.13E-11	7.82E-09
3678	743724.69	4107710.78	3.72E-08	6.26E-08	6.90E-10	1.00E-07	5.77E-09	1.03E-08	1.03E-10	1.61E-08	5.61E-09	8.83E-09	1.31E-10	1.46E-08	3.19E-09	4.87E-09	3.24E-11	8.09E-09
3679	743760.98	4107736.06	3.84E-08	6.47E-08	7.13E-10	1.04E-07	5.96E-09	1.06E-08	1.07E-10	1.67E-08	5.80E-09	9.13E-09	1.36E-10	1.51E-08	3.29E-09	5.03E-09	3.35E-11	8.36E-09
3680	743797.27	4107761.34	3.97E-08	6.68E-08	7.37E-10	1.07E-07	6.16E-09	1.10E-08	1.10E-10	1.72E-08	5.99E-09	9.43E-09	1.40E-10	1.56E-08	3.40E-09	5.20E-09	3.46E-11	8.64E-09
3681	743833.56	4107786.61	4.10E-08	6.90E-08	7.61E-10	1.11E-07	6.36E-09	1.13E-08	1.14E-10	1.78E-08	6.18E-09	9.74E-09	1.45E-10	1.61E-08	3.51E-09	5.37E-09	3.57E-11	8.92E-09
3682	743869.85	4107811.89	4.23E-08	7.12E-08	7.85E-10	1.14E-07	6.56E-09	1.17E-08	1.18E-10	1.84E-08	6.38E-09	1.00E-08	1.50E-10	1.66E-08	3.63E-09	5.54E-09	3.69E-11	9.21E-09
3683	743906.14	4107837.17	4.36E-08	7.34E-08	8.09E-10	1.18E-07	6.77E-09	1.20E-08	1.21E-10	1.89E-08	6.58E-09	1.04E-08	1.54E-10	1.71E-08	3.74E-09	5.71E-09	3.80E-11	9.49E-09
3684	743942.43	4107862.44	4.49E-08	7.55E-08	8.32E-10	1.21E-07	6.96E-09	1.24E-08	1.25E-10	1.95E-08	6.77E-09	1.07E-08	1.59E-10	1.76E-08	3.85E-09	5.88E-09	3.91E-11	9.76E-09
3685	743978.72	4107887.72	4.60E-08	7.74E-08	8.53E-10	1.24E-07	7.13E-09	1.27E-08	1.28E-10	1.99E-08	6.93E-09	1.09E-08	1.62E-10	1.80E-08	3.94E-09	6.02E-09	4.01E-11	1.00E-08
3686	744015.01	4107913	4.68E-08	7.88E-08	8.69E-10	1.27E-07	7.26E-09	1.29E-08	1.30E-10	2.03E-08	7.06E-09	1.11E-08	1.65E-10	1.84E-08	4.01E-09	6.13E-09	4.08E-11	1.02E-08
3687	744051.3	4107938.27	4.75E-08	7.99E-08	8.81E-10	1.28E-07	7.36E-09	1.31E-08	1.32E-10	2.06E-08	7.16E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
3688	744087.59	4107963.55	4.79E-08	8.06E-08	8.88E-10	1.29E-07	7.42E-09	1.32E-08	1.33E-10	2.08E-08	7.22E-09	1.14E-08	1.69E-10	1.88E-08	4.10E-09	6.27E-09	4.17E-11	1.04E-08
3689	744123.88	4107988.83	4.81E-08	8.09E-08	8.92E-10	1.30E-07	7.45E-09	1.33E-08	1.34E-10	2.08E-08	7.25E-09	1.14E-08	1.70E-10	1.88E-08	4.12E-09	6.29E-09	4.19E-11	1.05E-08
3690	744160.17	4108014.11	4.82E-08	8.11E-08	8.94E-10	1.30E-07	7.47E-09	1.33E-08	1.34E-10	2.09E-08	7.27E-09	1.14E-08	1.70E-10	1.89E-08	4.13E-09	6.31E-09	4.20E-11	1.05E-08
3691	744196.46	4108039.38	4.84E-08	8.15E-08	8.98E-10	1.31E-07	7.51E-09	1.34E-08	1.35E-10	2.10E-08	7.30E-09	1.15E-08	1.71E-10	1.90E-08	4.15E-09	6.34E-09	4.22E-11	1.05E-08
3692	744232.75	4108064.66	4.88E-08	8.21E-08	9.05E-10	1.32E-07	7.56E-09	1.35E-08	1.36E-10	2.12E-08	7.36E-09	1.16E-08	1.72E-10	1.91E-08	4.18E-09	6.39E-09	4.25E-11	1.06E-08

3693	744269.04	4108089.94	4.94E-08	8.31E-08	9.16E-10	1.33E-07	7.66E-09	1.36E-08	1.37E-10	2.14E-08	7.45E-09	1.17E-08	1.74E-10	1.93E-08	4.23E-09	6.47E-09	4.30E-11	1.07E-08
3694	744305.33	4108115.21	5.02E-08	8.45E-08	9.31E-10	1.36E-07	7.78E-09	1.38E-08	1.40E-10	2.18E-08	7.57E-09	1.19E-08	1.77E-10	1.97E-08	4.30E-09	6.57E-09	4.37E-11	1.09E-08
3695	744341.62	4108140.49	5.11E-08	8.60E-08	9.48E-10	1.38E-07	7.93E-09	1.41E-08	1.42E-10	2.22E-08	7.71E-09	1.21E-08	1.81E-10	2.00E-08	4.38E-09	6.69E-09	4.45E-11	1.11E-08
3696	744377.91	4108165.77	5.21E-08	8.76E-08	9.66E-10	1.41E-07	8.07E-09	1.44E-08	1.45E-10	2.26E-08	7.85E-09	1.24E-08	1.84E-10	2.04E-08	4.46E-09	6.82E-09	4.54E-11	1.13E-08
3697	744414.2	4108191.04	5.29E-08	8.90E-08	9.81E-10	1.43E-07	8.20E-09	1.46E-08	1.47E-10	2.29E-08	7.97E-09	1.26E-08	1.87E-10	2.07E-08	4.53E-09	6.92E-09	4.61E-11	1.15E-08
3698	744450.49	4108216.32	5.35E-08	9.01E-08	9.93E-10	1.45E-07	8.30E-09	1.48E-08	1.49E-10	2.32E-08	8.07E-09	1.27E-08	1.89E-10	2.10E-08	4.59E-09	7.01E-09	4.66E-11	1.16E-08
3699	744486.78	4108241.6	5.39E-08	9.07E-08	1.00E-09	1.46E-07	8.36E-09	1.49E-08	1.50E-10	2.34E-08	8.13E-09	1.28E-08	1.90E-10	2.11E-08	4.62E-09	7.06E-09	4.70E-11	1.17E-08
3700	740232.71	4107337.78	1.53E-08	2.57E-08	2.83E-10	4.12E-08	2.37E-09	4.21E-09	4.25E-11	6.62E-09	2.30E-09	3.62E-09	5.39E-11	5.98E-09	1.31E-09	2.00E-09	1.33E-11	3.32E-09
3701	740195.09	4107361.7	1.57E-08	2.64E-08	2.92E-10	4.25E-08	2.44E-09	4.34E-09	4.37E-11	6.82E-09	2.37E-09	3.73E-09	5.55E-11	6.16E-09	1.35E-09	2.06E-09	1.37E-11	3.42E-09
3702	740157.46	4107385.62	1.61E-08	2.71E-08	2.99E-10	4.35E-08	2.50E-09	4.45E-09	4.48E-11	6.99E-09	2.43E-09	3.83E-09	5.69E-11	6.31E-09	1.38E-09	2.11E-09	1.40E-11	3.51E-09
3703	741778.38	4110028.65	4.05E-06	6.82E-06	7.51E-08	1.09E-05	6.28E-07	1.12E-06	1.13E-08	1.76E-06	6.11E-07	9.61E-07	1.43E-08	1.59E-06	3.47E-07	5.30E-07	3.53E-09	8.81E-07
3704	741802.6	4110066.63	5.14E-06	8.66E-06	9.54E-08	1.39E-05	7.98E-07	1.42E-06	1.43E-08	2.23E-06	7.76E-07	1.22E-06	1.82E-08	2.01E-06	4.41E-07	6.74E-07	4.48E-09	1.12E-06
3705	741826.83	4110104.6	5.37E-06	9.04E-06	9.97E-08	1.45E-05	8.33E-07	1.48E-06	1.49E-08	2.33E-06	8.10E-07	1.28E-06	1.90E-08	2.10E-06	4.60E-07	7.03E-07	4.68E-09	1.17E-06
3706	741838.94	4110123.59	5.21E-06	8.76E-06	9.66E-08	1.41E-05	8.07E-07	1.44E-06	1.45E-08	2.26E-06	7.85E-07	1.24E-06	1.84E-08	2.04E-06	4.46E-07	6.82E-07	4.53E-09	1.13E-06
3707	741851.06	4110142.58	4.84E-06	8.14E-06	8.97E-08	1.31E-05	7.50E-07	1.33E-06	1.35E-08	2.10E-06	7.29E-07	1.15E-06	1.71E-08	1.89E-06	4.14E-07	6.33E-07	4.21E-09	1.05E-06
3708	741863.17	4110161.57	4.27E-06	7.18E-06	7.92E-08	1.15E-05	6.62E-07	1.18E-06	1.19E-08	1.85E-06	6.44E-07	1.01E-06	1.51E-08	1.67E-06	3.66E-07	5.59E-07	3.72E-09	9.29E-07
3709	741875.28	4110180.55	3.55E-06	5.98E-06	6.59E-08	9.60E-06	5.51E-07	9.81E-07	9.89E-09	1.54E-06	5.36E-07	8.44E-07	1.26E-08	1.39E-06	3.05E-07	4.65E-07	3.10E-09	7.73E-07
3710	741887.4	4110199.54	2.81E-06	4.74E-06	5.22E-08	7.60E-06	4.36E-07	7.76E-07	7.83E-09	1.22E-06	4.24E-07	6.68E-07	9.94E-09	1.10E-06	2.41E-07	3.69E-07	2.45E-09	6.12E-07
3711	741750.64	4110004.38	2.90E-06	4.87E-06	5.37E-08	7.82E-06	4.49E-07	7.99E-07	8.06E-09	1.26E-06	4.37E-07	6.87E-07	1.02E-08	1.13E-06	2.48E-07	3.79E-07	2.52E-09	6.30E-07
3712	741805.75	4110118.05	4.04E-06	6.80E-06	7.49E-08	1.09E-05	6.26E-07	1.11E-06	1.12E-08	1.75E-06	6.09E-07	9.59E-07	1.43E-08	1.58E-06	3.46E-07	5.29E-07	3.52E-09	8.78E-07
3713	741817.87	4110137.04	3.89E-06	6.55E-06	7.22E-08	1.05E-05	6.04E-07	1.07E-06	1.08E-08	1.69E-06	5.87E-07	9.24E-07	1.38E-08	1.53E-06	3.34E-07	5.10E-07	3.39E-09	8.47E-07
3714	741829.98	4110156.02	3.63E-06	6.11E-06	6.73E-08	9.80E-06	5.63E-07	1.00E-06	1.01E-08	1.57E-06	5.47E-07	8.61E-07	1.28E-08	1.42E-06	3.11E-07	4.75E-07	3.16E-09	7.89E-07
3715	741842.09	4110175.01	3.26E-06	5.49E-06	6.05E-08	8.82E-06	5.06E-07	9.00E-07	9.08E-09	1.42E-06	4.92E-07	7.75E-07	1.15E-08	1.28E-06	2.80E-07	4.27E-07	2.84E-09	7.10E-07
3716	741854.21	4110194	2.82E-06	4.74E-06	5.22E-08	7.61E-06	4.37E-07	7.77E-07	7.83E-09	1.22E-06	4.25E-07	6.69E-07	9.95E-09	1.10E-06	2.41E-07	3.69E-07	2.45E-09	6.12E-07
3717	741866.32	4110212.99	2.34E-06	3.94E-06	4.34E-08	6.32E-06	3.63E-07	6.45E-07	6.51E-09	1.01E-06	3.53E-07	5.55E-07	8.26E-09	9.16E-07	2.00E-07	3.06E-07	2.04E-09	5.09E-07
3718	741736.22	4110055.54	2.79E-06	4.70E-06	5.18E-08	7.54E-06	4.33E-07	7.70E-07	7.77E-09	1.21E-06	4.21E-07	6.63E-07	9.86E-09	1.09E-06	2.39E-07	3.66E-07	2.43E-09	6.07E-07
3719	741760.45	4110093.52	3.16E-06	5.32E-06	5.87E-08	8.55E-06	4.91E-07	8.73E-07	8.80E-09	1.37E-06	4.77E-07	7.51E-07	1.12E-08	1.24E-06	2.71E-07	4.14E-07	2.76E-09	6.88E-07
3720	741784.68	4110131.49	3.16E-06	5.32E-06	5.87E-08	8.55E-06	4.91E-07	8.73E-07	8.80E-09	1.37E-06	4.77E-07	7.51E-07	1.12E-08	1.24E-06	2.71E-07	4.14E-07	2.76E-09	6.88E-07
3721	741796.79	4110150.48	3.04E-06	5.12E-06	5.65E-08	8.22E-06	4.72E-07	8.40E-07	8.47E-09	1.32E-06	4.59E-07	7.23E-07	1.08E-08	1.19E-06	2.61E-07	3.99E-07	2.65E-09	6.62E-07
3722	741808.9	4110169.47	2.86E-06	4.81E-06	5.30E-08	7.72E-06	4.43E-07	7.88E-07	7.95E-09	1.24E-06	4.31E-07	6.78E-07	1.01E-08	1.12E-06	2.45E-07	3.74E-07	2.49E-09	6.21E-07
3723	741821.02	4110188.46	2.61E-06	4.40E-06	4.85E-08	7.06E-06	4.05E-07	7.21E-07	7.27E-09	1.13E-06	3.94E-07	6.20E-07	9.23E-09	1.02E-06	2.24E-07	3.42E-07	2.28E-09	5.68E-07
3724	741833.13	4110207.45	2.31E-06	3.89E-06	4.29E-08	6.24E-06	3.58E-07	6.38E-07	6.43E-09	1.00E-06	3.48E-07	5.49E-07	8.16E-09	9.05E-07	1.98E-07	3.03E-07	2.01E-09	5.03E-07
3725	741845.24	4110226.43	1.98E-06	3.33E-06	3.67E-08	5.35E-06	3.07E-07	5.46E-07	5.51E-09	8.59E-07	2.99E-07	4.70E-07	6.99E-09	7.76E-07	1.70E-07	2.59E-07	1.72E-09	4.31E-07
3726	741707.08	4109922.22	1.46E-06	2.46E-06	2.71E-08	3.95E-06	2.27E-07	4.03E-07	4.07E-09	6.34E-07	2.20E-07	3.47E-07	5.16E-09	5.73E-07	1.25E-07	1.91E-07	1.27E-09	3.18E-07
3727	741694.07	4110082.43	2.03E-06	3.41E-06	3.76E-08	5.47E-06	3.14E-07	5.59E-07	5.64E-09	8.79E-07	3.06E-07	4.81E-07	7.16E-09	7.94E-07	1.74E-07	2.65E-07	1.77E-09	4.41E-07
3728	741718.3	4110120.41	2.16E-06	3.64E-06	4.01E-08	5.84E-06	3.35E-07	5.97E-07	6.02E-09	9.38E-07	3.26E-07	5.13E-07	7.64E-09	8.47E-07	1.85E-07	2.83E-07	1.88E-09	4.70E-07
3729	741742.53	4110158.39	2.12E-06	3.57E-06	3.94E-08	5.73E-06	3.29E-07	5.86E-07	5.91E-09	9.21E-07	3.20E-07	5.04E-07	7.50E-09	8.31E-07	1.82E-07	2.78E-07	1.85E-09	4.62E-07
3730	741766.75	4110196.36	1.95E-06	3.28E-06	3.62E-08	5.27E-06	3.02E-07	5.38E-07	5.42E-09	8.46E-07	2.94E-07	4.63E-07	6.89E-09	7.64E-07	1.67E-07	2.55E-07	1.70E-09	4.24E-07
3731	741778.87	4110215.35	1.82E-06	3.06E-06	3.38E-08	4.92E-06	2.82E-07	5.02E-07	5.07E-09	7.90E-07	2.75E-07	4.32E-07	6.43E-09	7.13E-07	1.56E-07	2.38E-07	1.59E-09	3.96E-07
3732	741790.98	4110234.34	1.66E-06	2.79E-06	3.08E-08	4.49E-06	2.57E-07	4.58E-07	4.62E-09	7.20E-07	2.50E-07	3.94E-07	5.87E-09	6.50E-07	1.42E-07	2.17E-07	1.45E-09	3.61E-07
3733	741803.09	4110253.32	1.48E-06	2.49E-06	2.74E-08	3.99E-06	2.29E-07	4.07E-07	4.11E-09	6.41E-07	2.23E-07	3.51E-07	5.22E-09	5.79E-07	1.27E-07	1.93E-07	1.29E-09	3.21E-07
3734	741648.11	4110087.77	1.55E-06	2.62E-06	2.88E-08	4.20E-06	2.41E-07	4.29E-07	4.32E-09	6.74E-07	2.34E-07	3.69E-07	5.49E-09	6.09E-07	1.33E-07	2.04E-07	1.35E-09	3.38E-07
3735	741640.5	4110044.66	1.55E-06	2.61E-06	2.88E-08	4.19E-06	2.40E-07	4.28E-07	4.31E-09	6.73E-07	2.34E-07	3.68E-07	5.48E-09	6.07E-07	1.33E-07	2.03E-07	1.35E-09	3.37E-07
3736	741632.89	4110001.55	1.44E-06	2.42E-06	2.67E-08	3.89E-06	2.23E-07	3.97E-07	4.00E-09	6.24E-07	2.17E-07	3.42E-07	5.08E-09	5.64E-07	1.23E-07	1.88E-07	1.25E-09	3.13E-07
3737	741637.84	4109940.51	1.23E-06	2.06E-06	2.28E-08	3.31E-06	1.90E-07	3.39E-07	3.41E-09	5.32E-07	1.85E-07	2.91E-07	4.33E-09	4.81E-07	1.05E-07	1.61E-07	1.07E-09	2.67E-07
3738	741688.1	4109868.82	1.02E-06	1.72E-06	1.89E-08	2.76E-06	1.58E-07	2.82E-07	2.84E-09	4.43E-07	1.54E-07	2.42E-07	3.60E-09	4.00E-07	8.74E-08	1.34E-07	8.89E-10	2.22E-07
3739	741664.03	4110128.31	1.56E-06	2.63E-06	2.90E-08	4.22E-06	2.42E-07	4.31E-07	4.35E-09	6.77E-07	2.36E-07	3.71E-07	5.52E-09	6.12E-07	1.34E-07	2.05E-07	1.36E-09	3.40E-07
3740	741676.15	4110147.3	1.58E-06	2.65E-06	2.92E-08	4.26E-06	2.44E-07	4.35E-07	4.39E-09	6.84E-07	2.38E-07	3.74E-07	5.57E-09	6.17E-07	1.35E-07	2.06E-07	1.37E-09	3.43E-07
3741	741688.26	4110166.29	1.57E-06	2.64E-06	2.91E-08	4.24E-06	2.43E-07	4.33E-07	4.36E-09	6.80E-07	2.36E-07	3.72E-07	5.54E-09	6.14E-07	1.34E-07	2.05E-07	1.37E-09	3.41E-07
3742	741700.37	4110185.28	1.54E-06	2.60E-06	2.86E-08	4.17E-06	2.39E-07	4.26E-07	4.30E-09	6.70E-07	2.33E-07	3.67E-07	5.45E-09	6.05E-07	1.32E-07	2.02E-07	1.34E-09	3.36E-07
3743	741712.49	4110204.26	1.50E-06	2.53E-06	2.79E-08	4.06E-06	2.33E-07	4.15E-07	4.18E-09	6.52E-07	2.27E-07	3.57E-07	5.31E-09	5.89E-07	1.29E-07	1.97E-07	1.31E-09	3.27E-07
3744	741724.6	4110223.25	1.45E-06	2.43E-06	2.68E-08	3.91E-06	2.24E-07	3.99E-07	4.02E-09	6.27E-07	2.18E-07	3.43E-07	5.11E-09	5.66E-07	1.24E-07	1.89E-07	1.26E-09	3.15E-07
3745	741736.71	4110242.24	1.37E-06	2.30E-06	2.54E-08	3.70E-06	2.12E-07	3.77E-07	3.81E-09	5.93E-07	2.06E-07	3.25E-07	4.83E-09	5.36E-07	1.17E-07	1.79E-07	1.19E-09	2.98E-07
3746	741748.83	4110261.23	1.27E-06	2.14E-06	2.35E-08	3.43E-06	1.97E-07	3.50E-07	3.53E-09	5.51E-07	1.91E-07	3.01E-07	4.48E-09	4.97E-07	1.09E-07	1.66E-07	1.11E-09	2.76E-07
3747	741760.94	4110280.22	1.16E-06	1.94E-06	2.14E-08	3.12E-06	1.79E-07	3.19E-07	3.21E-09	5.01E-07	1.74E-07	2.74E-07	4.08E-09	4.53E-07	9.90E-08	1.51E-07	1.01E-09	2.51E-07
3748	741587.57	4110010.48	1.20E-06	2.02E-06	2.22E-08	3.24E-06	1.86E-07	3.31E-07	3.33E-09	5.20E-07	1.81E-07	2.85E-07	4.23E-09	4.69E-07	1.03E-07	1.57E-07	1.04E-09	2.61E-07
3749	741613.11	4109895.33	9.28E-07	1.56E-06	1.72E-08	2.51E-06	1.44E-07	2.56E-07	2.58E-09	4.02E-07	1.40E-07	2.20E-07	3.28E-09	3.63E-07	7.95E-08	1.21E-07	8.08E-10	2.02E-07
3750	741637.55	4109860.48	8.44E-07	1.42E-06	1.57E-08	2.28E-06	1.31E-07	2.33E-07	2.35E-09	3.66E-07	1.27E-07	2.00E-07	2.98E-09	3.31E-07	7.23E-08	1.11E-07	7.36E-10	1.84E-07
3751	741609.77	4110136.22	1.19E-06	2.00E-06	2.20E-08	3.21E-06	1.84E-07	3.27E-07	3.30E-09	5.15E-07	1.79E-07	2.82E-07	4.19E-09	4.65E-07	1.02E-07	1.55E-07	1.03E-09	2.58E-07
3752	741633.99	4110174.19	1.20E-06	2.03E-06	2.24E-08	3.25E-06	1.87E-07	3.32E-07	3.35E-09	5.23E-07	1.82E-07	2.86E-07	4.26E-09	4.72E-07	1.03E-07	1.58E-07	1.05E-09	2.62E-07
3753	741658.22	4110212.17	1.19E-06	2.01E-06	2.21E-08	3.22E-06	1.85E-07	3.29E-07	3.32E-09	5.17E-07	1.80E-07	2.83E-07	4.21E-09	4.67E-07	1.02E-07	1.56E-07	1.04E-09	2.59E-07
3754	741670.33	4110231.16	1.17E-06	1.97E-06	2.17E-08	3.16E-06	1.81E-07	3.23E-07	3.25E-09	5.07E-07	1.76E-07	2.78E-07	4.13E-09	4.58E-07	1.00E-07	1.53E-07	1.02E-09	2.54E-07
3755	741682.45	4110250.14	1.13E-06	1.91E-06	2.10E-08	3.06E-06	1.76E-07	3.13E-07	3.15E-09	4.92E-07	1.71E-07	2.69E-07	4.01E-09	4.44E-07	9.72E-08	1.48E-07	9.88E-10	2.47E-07
3756	741694.56	4110269.13	1.08E-06	1.82E-06	2.01E-08	2.92E-06	1.68E-07	2.99E-07	3.01E-09	4.69E-07	1.63E-07	2.57E-07	3.82E-09	4.24E-07	9.27E-08	1.42E-07	9.43E-10	2.35E-07
3757	741718.79	4110307.11	9.36E-07	1.58E-06	1.74E-08	2.53E-06	1.45E-07	2.58E-07	2.61E-09	4.06E-07	1.41E-07	2.22E-07	3.31E-09	3.67E-07	8.02E-08	1.23E-07	8.16E-10	2.04E-07
3758	741563.98	4110142.53	9.76E-07	1.64E-06	1.81E-08	2.64E-06	1.51E-07	2.69E-07	2.72E-09	4.23E-07	1.47E-07	2.32E-07	3.45E-09	3.82E-07	8.36E-08	1.28E-07	8.50E-10	2.12E-07
3759	741556.72	4110101.38	1.03E-06	1.73E-06	1.90E-08	2.77E-06	1.59E-07	2.83E-07	2.85E-09	4.45E-07	1.55E-07	2.43E-07	3.62E-09	4.02E-07	8.79E-08	1.34E-07	8.94E-10	2.23E-07
3760	741549.45	4110060.23	1.05E-06	1.76E-06	1.94E-08	2.82E-06	1.62E-07	2.88E-07	2.91E-09	4.53E-07	1.58E-07	2.48E-07	3.69E-09	4.09E-07	8.96E-08	1.37E-07	9.11E-10	2.27E-07
3761	741542.18	4110019.08	1.01E-06	1.70E-06	1.88E-08	2.74E-06	1.57E-07	2.79E-07	2.82E-09	4.39E-07	1.53E-07	2.40E-07	3.58E-09	3.97E-07	8.68E-08	1.33E-07	8.82E-10	2.20E-07
3762	741534.92	4109977.93	9.34E-07	1.57E-06	1.73E-08	2.52E-06	1.45E-07	2.58E-07	2.60E-09	4.05E-07	1.41E-07	2.22E-07	3.30E-09	3.66E-07	8.01E-08	1.22E-07	8.14E-10	2.03E-07
3763	741539.65	4109919.67	8.22E-07	1.38E-06	1.52E-08	2.22E-06	1.27E-07	2.27E-07	2.29E-09	3.57E-07	1.24E-07	1.95E-07	2.90E-09	3.22E-07	7.04E-08	1.08E-07	7.16E-10	1.79E-07
3764	741599.62	4109834.13	6.86E-07	1.15E-06	1.27E-08	1.85E-06	1.06E-07	1.89E-07	1.91E-09	2.97E-07	1.03E-07	1.63E-07	2.42E-09	2.69E-07	5.88E-08	8.98E-08	5.97E-10	1.49E-07
3765	741623.61	4109799.91	6.30E-07	1.06E-06	1.17E-08	1.70E-06	9.78E-08	1.74E-07	1.75E-09	2.73E-07	9.51E-08	1.50E-07	2.23E-09	2.47E-07	5.40E-08	8.25E-08	5.49E-10	1.37E-07
3766	741579.73	4110182.1	9.54E-07	1.60E-06	1.77E-08	2.58E-06	1.48E-07	2.63E-07	2.65E-09	4.14E-07	1.44E-07	2.26E-07	3.37E-09	3.74E-07	8.17E-08	1.25E-07	8.31E-10	2.07E-07
3767	741591.84	4110201.08	9.59E-07	1.61E-06	1.78E-08	2.59E-06	1.49E-07	2.65E-07	2.67E-09	4.16E-07	1.45E-07	2.28E-07	3.39E-09	3.76E-07	8.22E-08	1.26E-07	8.35E-10	2.09E-07
3768	741603.95	4110220.07	9.61E-07	1.62E-06	1.78E-08	2.60E-06	1.49E-07	2.65E-07	2.67E-09	4.17E-07	1.45E-07	2.28E-07	3.40E-09	3.77E-07	8.24E-08	1.26E-07	8.37E-10	2.09E-07
3769	741616.07	4110239.06	9.57E-07	1.61E-06	1.78E-08	2.59E-06	1.48E-07	2.64E-07	2.66E-09	4.15E-07	1.44E-07	2.27E-07	3.38E-09	3.75E-07	8.20E-08	1.25E-07	8.34E-10	2.08E-07
3770	741628.18	4110258.05	9.44E-07	1.59E-06	1.75E-08	2.55E-06	1.46E-07	2.61E-07	2.63E-09	4.10E-07	1.42E-07	2.24E-07	3.34E-09	3.70E-07	8.09E-08	1.24E-07	8.23E-10	2.05E-07
3771	741640.29	4110277.04	9.21E-07	1.55E-06	1.71E-08	2.49E-06	1.43E-07	2.54E-07	2.56E-09	3.99E-07	1.39E-07	2.19E-07	3.25E-09	3.61E-07	7.89E-08	1.21E-07	8.02E-10	2.00E-07
3772	741652.41	4110296.02	8.86E-07	1.49E-06	1.64E-08	2.39E-06	1.37E-07	2.44E-07	2.46E-09	3.84E-07	1.34E-07	2.10E-07	3.13E-09	3.47E-07	7.59E-08	1.16E-07	7.71E-10	1.93E-07
3773	741664.52	4110315.01	8.38E-07	1.41E-06	1.55E-08	2.26E-06	1.30E-07	2.31E-07	2.33E-09	3.63E-07	1.26E-07	1.99E-07	2.96E-09	3.28E-07	7.18E-08	1.10E-07	7.30E-10	1.82E-07
3774	741676.63	4110334	7.81E-07	1.31E-06	1.45E-08	2.11E-06	1.21E-07	2.15E-07	2.17E-09	3.39E-07	1.18E-07	1.85E-07	2.76E-09	3.06E-07	6.69E-08	1.02E-07	6.80E-10	1.70E-07
3775	741479.5	4110195.34	6.65E-07	1.12E-06	1.23E-08	1.80E-06	1.03E-07	1.84E-07	1.85E-09	2.89E-07	1.00E-07	1.58E-07	2.35E-09	2.61E-07	5.70E-08	8.71E-08	5.80E-10	1.45E-07
3776	741471.89	4110152.23	7.08E-07	1.19E-06	1.31E-08	1.91E-06	1.10E-07	1.95E-07	1.97E-09	3.07E-07	1.07E-07	1.68E-07	2.50E-09	2.77E-07	6.07E-08	9.28E-08	6.17E-10	1.54E-07
3777	741464.28	4110109.11	7.51E-07	1.26E-06	1.39E-08	2.03E-06	1.16E-07	2.07E-07	2.09E-09	3.26E-07	1.13E-07	1.78E-07	2.65E-09	2.94E-07	6.43E-08	9.83E-08	6.54E-10	1.63E-07
3778	741456.67	4110066	7.68E-07	1.29E-06	1.42E-08	2.07E-06	1.19E-07	2.12E-07	2.14E-09	3.33E-07	1.16E-07	1.82E-07	2.71E-09	3.01E-07	6.58E-08	1.01E-07	6.69E-10	1.67E-07
3779	741449.06	4110022.89	7.47E-07	1.26E-06	1.39E-08	2.02E-06	1.16E-07	2.06E-07	2.08E-09	3.24E-07	1.13E-07	1.77E-07	2.64E-09	2.93E-07	6.40E-08	9.78E-08	6.51E-10	1.62E-07
3780	741441.44	4109979.78	6.97E-07	1.17E-06	1.29E-08	1.88E-06	1.08E-07	1.92E-07	1.94E-09	3.02E-07	1.05E-07	1.65E-07	2.46E-09	2.73E-07	5.97E-08	9.13E-08	6.07E-10	1.52E-07

3781	741433.83	4109936.67	6.35E-07	1.07E-06	1.18E-08	1.72E-06	9.85E-08	1.75E-07	1.77E-09	2.75E-07	9.57E-08	1.51E-07	2.24E-09	2.49E-07	5.44E-08	8.31E-08	5.53E-10	1.38E-07
3782	741442.59	4109897.19	5.95E-07	1.00E-06	1.10E-08	1.61E-06	9.23E-08	1.64E-07	1.66E-09	2.58E-07	8.98E-08	1.41E-07	2.10E-09	2.33E-07	5.10E-08	7.80E-08	5.19E-10	1.30E-07
3783	741505.42	4109807.58	5.13E-07	8.63E-07	9.52E-09	1.39E-06	7.96E-08	1.42E-07	1.43E-09	2.23E-07	7.74E-08	1.22E-07	1.81E-09	2.01E-07	4.40E-08	6.72E-08	4.47E-10	1.12E-07
3784	741530.55	4109771.73	4.70E-07	7.91E-07	8.72E-09	1.27E-06	7.29E-08	1.30E-07	1.31E-09	2.04E-07	7.09E-08	1.12E-07	1.66E-09	1.84E-07	4.03E-08	6.16E-08	4.10E-10	1.02E-07
3785	741555.68	4109735.89	4.28E-07	7.20E-07	7.93E-09	1.16E-06	6.63E-08	1.18E-07	1.19E-09	1.86E-07	6.45E-08	1.02E-07	1.51E-09	1.68E-07	3.67E-08	5.60E-08	3.73E-10	9.30E-08
3786	741580.81	4109700.04	3.86E-07	6.50E-07	7.17E-09	1.04E-06	5.99E-08	1.07E-07	1.08E-09	1.68E-07	5.83E-08	9.17E-08	1.37E-09	1.51E-07	3.31E-08	5.06E-08	3.37E-10	8.41E-08
3787	741495.42	4110235.88	6.54E-07	1.10E-06	1.21E-08	1.77E-06	1.01E-07	1.80E-07	1.82E-09	2.84E-07	9.86E-08	1.55E-07	2.31E-09	2.56E-07	5.60E-08	8.56E-08	5.70E-10	1.42E-07
3788	741519.65	4110273.86	6.65E-07	1.12E-06	1.23E-08	1.80E-06	1.03E-07	1.83E-07	1.85E-09	2.88E-07	1.00E-07	1.58E-07	2.35E-09	2.61E-07	5.70E-08	8.71E-08	5.79E-10	1.45E-07
3789	741531.76	4110292.84	6.66E-07	1.12E-06	1.24E-08	1.80E-06	1.03E-07	1.84E-07	1.85E-09	2.89E-07	1.00E-07	1.58E-07	2.35E-09	2.61E-07	5.71E-08	8.73E-08	5.81E-10	1.45E-07
3790	741543.88	4110311.83	6.63E-07	1.12E-06	1.23E-08	1.79E-06	1.03E-07	1.83E-07	1.84E-09	2.87E-07	9.99E-08	1.57E-07	2.34E-09	2.60E-07	5.68E-08	8.68E-08	5.77E-10	1.44E-07
3791	741555.99	4110330.82	6.52E-07	1.10E-06	1.21E-08	1.76E-06	1.01E-07	1.80E-07	1.81E-09	2.83E-07	9.83E-08	1.55E-07	2.30E-09	2.55E-07	5.59E-08	8.54E-08	5.68E-10	1.42E-07
3792	741568.1	4110349.81	6.34E-07	1.07E-06	1.18E-08	1.71E-06	9.84E-08	1.75E-07	1.76E-09	2.75E-07	9.56E-08	1.51E-07	2.24E-09	2.48E-07	5.43E-08	8.30E-08	5.53E-10	1.38E-07
3793	741580.22	4110368.79	6.09E-07	1.02E-06	1.13E-08	1.64E-06	9.44E-08	1.68E-07	1.69E-09	2.64E-07	9.18E-08	1.45E-07	2.15E-09	2.38E-07	5.22E-08	7.97E-08	5.30E-10	1.32E-07
3794	741592.33	4110387.78	5.77E-07	9.70E-07	1.07E-08	1.56E-06	8.94E-08	1.59E-07	1.60E-09	2.50E-07	8.70E-08	1.37E-07	2.04E-09	2.26E-07	4.94E-08	7.55E-08	5.02E-10	1.25E-07
3795	741395.3	4110249.72	4.88E-07	8.22E-07	9.06E-09	1.32E-06	7.57E-08	1.35E-07	1.36E-09	2.12E-07	7.37E-08	1.16E-07	1.73E-09	1.91E-07	4.19E-08	6.40E-08	4.26E-10	1.06E-07
3796	741387.9	4110207.8	5.12E-07	8.61E-07	9.49E-09	1.38E-06	7.93E-08	1.41E-07	1.42E-09	2.22E-07	7.72E-08	1.21E-07	1.81E-09	2.00E-07	4.38E-08	6.70E-08	4.46E-10	1.11E-07
3797	741380.5	4110165.89	5.45E-07	9.17E-07	1.01E-08	1.47E-06	8.45E-08	1.50E-07	1.52E-09	2.36E-07	8.22E-08	1.29E-07	1.93E-09	2.14E-07	4.67E-08	7.14E-08	4.75E-10	1.19E-07
3798	741373.1	4110123.98	5.78E-07	9.74E-07	1.07E-08	1.56E-06	8.97E-08	1.60E-07	1.61E-09	2.51E-07	8.72E-08	1.37E-07	2.04E-09	2.27E-07	4.96E-08	7.57E-08	5.04E-10	1.26E-07
3799	741365.7	4110082.06	5.97E-07	1.00E-06	1.11E-08	1.61E-06	9.25E-08	1.65E-07	1.66E-09	2.59E-07	9.00E-08	1.42E-07	2.11E-09	2.34E-07	5.11E-08	7.81E-08	5.20E-10	1.30E-07
3800	741358.3	4110040.15	5.89E-07	9.92E-07	1.09E-08	1.59E-06	9.14E-08	1.63E-07	1.64E-09	2.56E-07	8.89E-08	1.40E-07	2.08E-09	2.31E-07	5.05E-08	7.72E-08	5.13E-10	1.28E-07
3801	741350.9	4109998.24	5.59E-07	9.41E-07	1.04E-08	1.51E-06	8.67E-08	1.54E-07	1.56E-09	2.43E-07	8.44E-08	1.33E-07	1.98E-09	2.19E-07	4.79E-08	7.32E-08	4.87E-10	1.22E-07
3802	741343.5	4109956.32	5.19E-07	8.74E-07	9.63E-09	1.40E-06	8.05E-08	1.43E-07	1.45E-09	2.25E-07	7.83E-08	1.23E-07	1.83E-09	2.03E-07	4.45E-08	6.80E-08	4.52E-10	1.13E-07
3803	741336.1	4109914.41	4.78E-07	8.04E-07	8.87E-09	1.29E-06	7.41E-08	1.32E-07	1.33E-09	2.07E-07	7.21E-08	1.13E-07	1.69E-09	1.87E-07	4.10E-08	6.26E-08	4.16E-10	1.04E-07
3804	741344.62	4109876.03	4.55E-07	7.66E-07	8.44E-09	1.23E-06	7.06E-08	1.26E-07	1.27E-09	1.97E-07	6.86E-08	1.08E-07	1.61E-09	1.78E-07	3.90E-08	5.96E-08	3.96E-10	9.90E-08
3805	741405.7	4109788.9	4.11E-07	6.91E-07	7.61E-09	1.11E-06	6.37E-08	1.13E-07	1.14E-09	1.78E-07	6.19E-08	9.75E-08	1.45E-09	1.61E-07	3.52E-08	5.38E-08	3.58E-10	8.93E-08
3806	741430.13	4109754.05	3.81E-07	6.42E-07	7.07E-09	1.03E-06	5.91E-08	1.05E-07	1.06E-09	1.65E-07	5.75E-08	9.05E-08	1.35E-09	1.49E-07	3.27E-08	4.99E-08	3.32E-10	8.29E-08
3807	741454.56	4109719.2	3.48E-07	5.86E-07	6.46E-09	9.40E-07	5.40E-08	9.61E-08	9.69E-10	1.51E-07	5.25E-08	8.27E-08	1.23E-09	1.36E-07	2.98E-08	4.56E-08	3.03E-10	7.57E-08
3808	741479	4109684.35	3.16E-07	5.31E-07	5.86E-09	8.53E-07	4.90E-08	8.71E-08	8.78E-10	1.37E-07	4.76E-08	7.49E-08	1.12E-09	1.24E-07	2.70E-08	4.13E-08	2.75E-10	6.87E-08
3809	741503.43	4109649.5	2.88E-07	4.85E-07	5.35E-09	7.79E-07	4.47E-08	7.95E-08	8.02E-10	1.25E-07	4.35E-08	6.84E-08	1.02E-09	1.13E-07	2.47E-08	3.77E-08	2.51E-10	6.27E-08
3810	741527.86	4109614.65	2.64E-07	4.44E-07	4.89E-09	7.13E-07	4.09E-08	7.28E-08	7.34E-10	1.14E-07	3.98E-08	6.26E-08	9.32E-10	1.03E-07	2.26E-08	3.45E-08	2.30E-10	5.74E-08
3811	741411.12	4110289.66	4.86E-07	8.18E-07	9.01E-09	1.31E-06	7.53E-08	1.34E-07	1.35E-09	2.11E-07	7.33E-08	1.15E-07	1.72E-09	1.90E-07	4.16E-08	6.36E-08	4.23E-10	1.06E-07
3812	741423.23	4110308.65	4.91E-07	8.27E-07	9.11E-09	1.33E-06	7.62E-08	1.36E-07	1.37E-09	2.13E-07	7.41E-08	1.17E-07	1.74E-09	1.92E-07	4.21E-08	6.43E-08	4.28E-10	1.07E-07
3813	741435.34	4110327.64	4.96E-07	8.35E-07	9.20E-09	1.34E-06	7.69E-08	1.37E-07	1.38E-09	2.15E-07	7.48E-08	1.18E-07	1.75E-09	1.94E-07	4.25E-08	6.50E-08	4.32E-10	1.08E-07
3814	741447.46	4110346.63	4.99E-07	8.39E-07	9.25E-09	1.35E-06	7.73E-08	1.38E-07	1.39E-09	2.16E-07	7.52E-08	1.18E-07	1.76E-09	1.95E-07	4.27E-08	6.53E-08	4.34E-10	1.08E-07
3815	741471.68	4110384.6	4.92E-07	8.29E-07	9.13E-09	1.33E-06	7.64E-08	1.36E-07	1.37E-09	2.14E-07	7.42E-08	1.17E-07	1.74E-09	1.93E-07	4.22E-08	6.45E-08	4.29E-10	1.07E-07
3816	741483.8	4110403.59	4.82E-07	8.11E-07	8.94E-09	1.30E-06	7.48E-08	1.33E-07	1.34E-09	2.09E-07	7.27E-08	1.14E-07	1.70E-09	1.89E-07	4.13E-08	6.31E-08	4.20E-10	1.05E-07
3817	741495.91	4110422.58	4.67E-07	7.87E-07	8.67E-09	1.26E-06	7.25E-08	1.29E-07	1.30E-09	2.03E-07	7.05E-08	1.11E-07	1.65E-09	1.83E-07	4.00E-08	6.12E-08	4.07E-10	1.02E-07
3818	741508.02	4110441.56	4.48E-07	7.55E-07	8.32E-09	1.21E-06	6.96E-08	1.24E-07	1.25E-09	1.95E-07	6.76E-08	1.06E-07	1.58E-09	1.76E-07	3.84E-08	5.87E-08	3.91E-10	9.75E-08
3819	741310.89	4110302.9	3.80E-07	6.39E-07	7.04E-09	1.03E-06	5.89E-08	1.05E-07	1.06E-09	1.65E-07	5.72E-08	9.01E-08	1.34E-09	1.49E-07	3.25E-08	4.97E-08	3.31E-10	8.25E-08
3820	741303.28	4110259.79	3.92E-07	6.59E-07	7.26E-09	1.06E-06	6.07E-08	1.08E-07	1.09E-09	1.70E-07	5.90E-08	9.30E-08	1.38E-09	1.53E-07	3.35E-08	5.13E-08	3.41E-10	8.52E-08
3821	741295.67	4110216.68	4.12E-07	6.94E-07	7.65E-09	1.11E-06	6.40E-08	1.14E-07	1.15E-09	1.79E-07	6.22E-08	9.79E-08	1.46E-09	1.62E-07	3.53E-08	5.40E-08	3.59E-10	8.97E-08
3822	741288.06	4110173.57	4.41E-07	7.42E-07	8.18E-09	1.19E-06	6.84E-08	1.22E-07	1.23E-09	1.91E-07	6.65E-08	1.05E-07	1.56E-09	1.73E-07	3.78E-08	5.77E-08	3.84E-10	9.59E-08
3823	741280.45	4110130.46	4.68E-07	7.88E-07	8.69E-09	1.27E-06	7.26E-08	1.29E-07	1.30E-09	2.03E-07	7.06E-08	1.11E-07	1.65E-09	1.83E-07	4.01E-08	6.13E-08	4.08E-10	1.02E-07
3824	741272.83	4110087.35	4.82E-07	8.12E-07	8.95E-09	1.30E-06	7.48E-08	1.33E-07	1.34E-09	2.09E-07	7.27E-08	1.15E-07	1.70E-09	1.89E-07	4.13E-08	6.32E-08	4.20E-10	1.05E-07
3825	741265.22	4110044.24	4.76E-07	8.00E-07	8.82E-09	1.28E-06	7.38E-08	1.31E-07	1.32E-09	2.06E-07	7.17E-08	1.13E-07	1.68E-09	1.86E-07	4.08E-08	6.23E-08	4.14E-10	1.03E-07
3826	741257.61	4110001.13	4.51E-07	7.60E-07	8.37E-09	1.22E-06	7.00E-08	1.25E-07	1.26E-09	1.96E-07	6.81E-08	1.07E-07	1.59E-09	1.77E-07	3.87E-08	5.91E-08	3.93E-10	9.82E-08
3827	741250	4109958.02	4.20E-07	7.07E-07	7.80E-09	1.14E-06	6.52E-08	1.16E-07	1.17E-09	1.82E-07	6.34E-08	9.98E-08	1.48E-09	1.65E-07	3.60E-08	5.50E-08	3.66E-10	9.14E-08
3828	741242.39	4109914.9	3.90E-07	6.57E-07	7.24E-09	1.05E-06	6.05E-08	1.08E-07	1.09E-09	1.69E-07	5.89E-08	9.27E-08	1.38E-09	1.53E-07	3.34E-08	5.11E-08	3.40E-10	8.49E-08
3829	741247.34	4109853.87	3.62E-07	6.09E-07	6.71E-09	9.78E-07	5.61E-08	9.99E-08	1.01E-09	1.57E-07	5.46E-08	8.59E-08	1.28E-09	1.42E-07	3.10E-08	4.74E-08	3.15E-10	7.87E-08
3830	741310.17	4109764.26	3.35E-07	5.64E-07	6.21E-09	9.05E-07	5.19E-08	9.24E-08	9.32E-10	1.45E-07	5.05E-08	7.95E-08	1.18E-09	1.31E-07	2.87E-08	4.39E-08	2.92E-10	7.29E-08
3831	741335.3	4109728.41	3.14E-07	5.28E-07	5.82E-09	8.48E-07	4.87E-08	8.66E-08	8.73E-10	1.36E-07	4.73E-08	7.45E-08	1.11E-09	1.23E-07	2.69E-08	4.11E-08	2.73E-10	6.83E-08
3832	741360.43	4109692.56	2.87E-07	4.84E-07	5.33E-09	7.77E-07	4.46E-08	7.93E-08	8.00E-10	1.25E-07	4.33E-08	6.82E-08	1.02E-09	1.13E-07	2.46E-08	3.76E-08	2.50E-10	6.25E-08
3833	741385.56	4109656.72	2.60E-07	4.37E-07	4.81E-09	7.01E-07	4.02E-08	7.16E-08	7.22E-10	1.13E-07	3.91E-08	6.16E-08	9.17E-10	1.02E-07	2.22E-08	3.40E-08	2.26E-10	5.64E-08
3834	741410.69	4109620.87	2.35E-07	3.96E-07	4.37E-09	6.36E-07	3.65E-08	6.49E-08	6.55E-10	1.02E-07	3.55E-08	5.59E-08	8.31E-10	9.22E-08	2.02E-08	3.08E-08	2.05E-10	5.12E-08
3835	741435.82	4109585.03	2.17E-07	3.65E-07	4.02E-09	5.86E-07	3.36E-08	5.98E-08	6.03E-10	9.40E-08	3.27E-08	5.15E-08	7.66E-10	8.49E-08	1.86E-08	2.84E-08	1.89E-10	4.72E-08
3836	741460.95	4109549.18	2.01E-07	3.39E-07	3.74E-09	5.44E-07	3.12E-08	5.56E-08	5.60E-10	8.74E-08	3.04E-08	4.78E-08	7.11E-10	7.89E-08	1.73E-08	2.64E-08	1.75E-10	4.38E-08
3837	741326.81	4110343.45	3.80E-07	6.39E-07	7.05E-09	1.03E-06	5.89E-08	1.05E-07	1.06E-09	1.65E-07	5.73E-08	9.02E-08	1.34E-09	1.49E-07	3.26E-08	4.98E-08	3.31E-10	8.27E-08
3838	741338.92	4110362.43	3.84E-07	6.47E-07	7.13E-09	1.04E-06	5.96E-08	1.06E-07	1.07E-09	1.67E-07	5.80E-08	9.13E-08	1.36E-09	1.51E-07	3.29E-08	5.03E-08	3.35E-10	8.36E-08
3839	741351.04	4110381.42	3.88E-07	6.54E-07	7.20E-09	1.05E-06	6.02E-08	1.07E-07	1.08E-09	1.68E-07	5.86E-08	9.22E-08	1.37E-09	1.52E-07	3.33E-08	5.09E-08	3.38E-10	8.45E-08
3840	741363.15	4110400.41	3.91E-07	6.58E-07	7.25E-09	1.06E-06	6.06E-08	1.08E-07	1.09E-09	1.70E-07	5.90E-08	9.28E-08	1.38E-09	1.53E-07	3.35E-08	5.12E-08	3.41E-10	8.50E-08
3841	741375.26	4110419.4	3.91E-07	6.59E-07	7.26E-09	1.06E-06	6.07E-08	1.08E-07	1.09E-09	1.70E-07	5.90E-08	9.29E-08	1.38E-09	1.53E-07	3.35E-08	5.12E-08	3.41E-10	8.51E-08
3842	741387.38	4110438.38	3.89E-07	6.54E-07	7.21E-09	1.05E-06	6.03E-08	1.07E-07	1.08E-09	1.69E-07	5.86E-08	9.23E-08	1.37E-09	1.52E-07	3.33E-08	5.09E-08	3.39E-10	8.46E-08
3843	741411.6	4110476.36	3.74E-07	6.29E-07	6.93E-09	1.01E-06	5.79E-08	1.03E-07	1.04E-09	1.62E-07	5.63E-08	8.87E-08	1.32E-09	1.46E-07	3.20E-08	4.89E-08	3.25E-10	8.12E-08
3844	741423.72	4110495.35	3.61E-07	6.08E-07	6.70E-09	9.75E-07	5.60E-08	9.96E-08	1.00E-09	1.57E-07	5.44E-08	8.57E-08	1.28E-09	1.41E-07	3.09E-08	4.73E-08	3.15E-10	7.85E-08
3845	741226.51	4110356.24	3.07E-07	5.16E-07	5.69E-09	8.28E-07	4.76E-08	8.46E-08	8.53E-10	1.33E-07	4.62E-08	7.28E-08	1.08E-09	1.20E-07	2.63E-08	4.02E-08	2.67E-10	6.67E-08
3846	741218.74	4110312.23	3.13E-07	5.27E-07	5.81E-09	8.47E-07	4.86E-08	8.65E-08	8.72E-10	1.36E-07	4.73E-08	7.44E-08	1.11E-09	1.23E-07	2.69E-08	4.10E-08	2.73E-10	6.82E-08
3847	741210.97	4110268.22	3.25E-07	5.47E-07	6.03E-09	8.79E-07	5.04E-08	8.97E-08	9.05E-10	1.41E-07	4.91E-08	7.72E-08	1.15E-09	1.27E-07	2.79E-08	4.26E-08	2.83E-10	7.08E-08
3848	741203.2	4110224.21	3.44E-07	5.80E-07	6.39E-09	9.30E-07	5.34E-08	9.50E-08	9.58E-10	1.49E-07	5.19E-08	8.18E-08	1.22E-09	1.35E-07	2.95E-08	4.51E-08	3.00E-10	7.49E-08
3849	741195.43	4110180.2	3.69E-07	6.21E-07	6.84E-09	9.97E-07	5.72E-08	1.02E-07	1.03E-09	1.60E-07	5.56E-08	8.76E-08	1.30E-09	1.45E-07	3.16E-08	4.83E-08	3.21E-10	8.02E-08
3850	741187.66	4110136.19	3.91E-07	6.59E-07	7.26E-09	1.06E-06	6.07E-08	1.08E-07	1.09E-09	1.70E-07	5.90E-08	9.29E-08	1.38E-09	1.53E-07	3.35E-08	5.12E-08	3.41E-10	8.51E-08
3851	741179.89	4110092.18	4.02E-07	6.76E-07	7.45E-09	1.09E-06	6.23E-08	1.11E-07	1.12E-09	1.74E-07	6.06E-08	9.54E-08	1.42E-09	1.57E-07	3.44E-08	5.26E-08	3.50E-10	8.74E-08
3852	741172.12	4110048.17	3.95E-07	6.65E-07	7.33E-09	1.07E-06	6.13E-08	1.09E-07	1.10E-09	1.71E-07	5.96E-08	9.38E-08	1.40E-09	1.55E-07	3.39E-08	5.17E-08	3.44E-10	8.59E-08
3853	741164.35	4110004.16	3.75E-07	6.31E-07	6.95E-09	1.01E-06	5.81E-08	1.03E-07	1.04E-09	1.63E-07	5.65E-08	8.90E-08	1.32E-09	1.47E-07	3.21E-08	4.91E-08	3.26E-10	8.15E-08
3854	741156.57	4109960.16	3.49E-07	5.87E-07	6.48E-09	9.43E-07	5.41E-08	9.63E-08	9.71E-10	1.51E-07	5.26E-08	8.29E-08	1.23E-09	1.37E-07	2.99E-08	4.57E-08	3.04E-10	7.59E-08
3855	741148.8	4109916.15	3.25E-07	5.48E-07	6.03E-09	8.79E-07	5.05E-08	8.98E-08	9.05E-10	1.41E-07	4.91E-08	7.72E-08	1.15E-09	1.27E-07	2.79E-08	4.26E-08	2.83E-10	7.08E-08
3856	741141.03	4109872.14	3.05E-07	5.14E-07	5.66E-09	8.25E-07	4.74E-08	8.43E-08	8.50E-10	1.32E-07	4.61E-08	7.25E-08	1.08E-09	1.20E-07	2.62E-08	4.00E-08	2.66E-10	6.64E-08
3857	741149.98	4109831.84	2.97E-07	4.99E-07	5.50E-09	8.01E-07	4.60E-08	8.18E-08	8.25E-10	1.29E-07	4.47E-08	7.04E-08	1.05E-09	1.16E-07	2.54E-08	3.88E-08	2.58E-10	6.45E-08
3858	741175.63	4109795.24	2.94E-07	4.95E-07	5.45E-09	7.94E-07	4.56E-08	8.11E-08	8.18E-10	1.27E-07	4.43E-08	6.98E-08	1.04E-09	1.15E-07	2.52E-08	3.85E-08	2.56E-10	6.39E-08
3859	741201.28	4109758.65	2.86E-07	4.82E-07	5.31E-09	7.73E-07	4.44E-08	7.89E-08	7.96E-10	1.24E-07	4.32E-08	6.79E-08	1.01E-09	1.12E-07	2.45E-08	3.75E-08	2.49E-10	6.22E-08
3860	741214.11	4109740.35	2.80E-07	4.72E-07	5.20E-09	7.58E-07	4.35E-08	7.74E-08	7.80E-10	1.22E-07	4.23E-08	6.66E-08	9.91E-10	1.10E-07	2.40E-08	3.67E-08	2.44E-10	6.10E-08
3861	741239.77	4109703.76	2.65E-07	4.46E-07	4.92E-09	7.16E-07	4.11E-08	7.31E-08	7.37E-10	1.15E-07	4.00E-08	6.29E-08	9.36E-10	1.04E-07	2.27E-08	3.47E-08	2.31E-10	5.76E-08
3862	741265.42	4109667.17	2.45E-07	4.12E-07	4.54E-09	6.61E-07	3.79E-08	6.75E-08	6.81E-10	1.06E-07	3.69E-08	5.81E-08	8.64E-10	9.58E-08	2.10E-08	3.20E-08	2.13E-10	5.32E-08
3863	741278.25	4109648.87	2.33E-07	3.92E-07	4.33E-09	6.30E-07	3.62E-08	6.43E-08	6.49E-10	1.01E-07	3.52E-08	5.54E-08	8.24E-10	9.13E-08	2.00E-08	3.05E-08	2.03E-10	5.07E-08
3864	741303.9	4109612.28	2.10E-07	3.54E-07	3.90E-09	5.68E-07	3.26E-08	5.80E-08	5.85E-10	9.12E-08	3.17E-08	4.99E-08	7.42E-10	8.23E-08	1.80E-08	2.75E-08	1.83E-10	4.57E-08
3865	741329.55	4109575.69	1.91E-07	3.21E-07	3.53E-09	5.15E-07	2.95E-08	5.26E-08	5.30E-10	8.26E-08	2.87E-08	4.52E-08	6.73E-10	7.46E-08	1.63E-08	2.49E-08	1.66E-10	4.14E-08
3866	741355.21	4109539.09	1.76E-07	2.96E-07	3.26E-09	4.75E-07	2.73E-08	4.85E-08	4.89E-10	7.62E-08	2.65E-08	4.17E-08	6.21E-10	6.89E-08	1.51E-08	2.30E-08	1.53E-10	3.82E-08
3867	741380.86	4109502.5	1.65E-07	2.77E-07	3.06E-09	4.45E-07	2.55E-08	4.55E-08	4.58E-10	7.15E-08	2.48E-08	3.91E-08	5.82E-10	6.45E-08	1.41E-08	2.16E-08	1.44E-10	3.58E-08
3868	741406.52	4109465.91	1.56E-07	2.62E-07	2.89E-09	4.21E-07	2.41E-08	4.30E-08	4.33E-10	6.75E-08	2.35E-08	3.70E-08	5.50E-10	6.10E-08	1.33E-08	2.04E-08	1.36E-10	3.39E-08

3869	741419.34	4109447.61	1.52E-07	2.55E-07	2.81E-09	4.10E-07	2.35E-08	4.18E-08	4.22E-10	6.58E-08	2.29E-08	3.60E-08	5.36E-10	5.94E-08	1.30E-08	1.99E-08	1.32E-10	3.30E-08
3870	741242.51	4110397.23	3.08E-07	5.18E-07	5.71E-09	8.31E-07	4.77E-08	8.49E-08	8.56E-10	1.34E-07	4.64E-08	7.31E-08	1.09E-09	1.21E-07	2.64E-08	4.03E-08	2.68E-10	6.69E-08
3871	741254.62	4110416.22	3.12E-07	5.24E-07	5.78E-09	8.42E-07	4.83E-08	8.60E-08	8.67E-10	1.35E-07	4.70E-08	7.40E-08	1.10E-09	1.22E-07	2.67E-08	4.08E-08	2.71E-10	6.78E-08
3872	741266.73	4110435.2	3.15E-07	5.30E-07	5.84E-09	8.50E-07	4.88E-08	8.69E-08	8.76E-10	1.37E-07	4.75E-08	7.47E-08	1.11E-09	1.23E-07	2.70E-08	4.12E-08	2.74E-10	6.85E-08
3873	741278.85	4110454.19	3.17E-07	5.34E-07	5.88E-09	8.57E-07	4.92E-08	8.75E-08	8.82E-10	1.38E-07	4.78E-08	7.53E-08	1.12E-09	1.24E-07	2.72E-08	4.15E-08	2.76E-10	6.90E-08
3874	741290.96	4110473.18	3.18E-07	5.35E-07	5.90E-09	8.59E-07	4.93E-08	8.77E-08	8.85E-10	1.38E-07	4.79E-08	7.55E-08	1.12E-09	1.25E-07	2.72E-08	4.16E-08	2.77E-10	6.92E-08
3875	741303.07	4110492.17	3.17E-07	5.33E-07	5.88E-09	8.56E-07	4.91E-08	8.74E-08	8.82E-10	1.37E-07	4.78E-08	7.52E-08	1.12E-09	1.24E-07	2.71E-08	4.15E-08	2.76E-10	6.89E-08
3876	741315.19	4110511.16	3.13E-07	5.27E-07	5.81E-09	8.47E-07	4.86E-08	8.65E-08	8.72E-10	1.36E-07	4.73E-08	7.44E-08	1.11E-09	1.23E-07	2.69E-08	4.10E-08	2.73E-10	6.82E-08
3877	741327.3	4110530.14	3.07E-07	5.17E-07	5.70E-09	8.31E-07	4.77E-08	8.48E-08	8.55E-10	1.33E-07	4.64E-08	7.30E-08	1.09E-09	1.20E-07	2.63E-08	4.03E-08	2.68E-10	6.69E-08
3878	741339.41	4110549.13	2.99E-07	5.04E-07	5.55E-09	8.08E-07	4.64E-08	8.25E-08	8.32E-10	1.30E-07	4.51E-08	7.10E-08	1.06E-09	1.17E-07	2.56E-08	3.92E-08	2.61E-10	6.51E-08
3879	741057.91	4110463.9	2.17E-07	3.64E-07	4.02E-09	5.85E-07	3.36E-08	5.97E-08	6.02E-10	9.39E-08	3.26E-08	5.14E-08	7.65E-10	8.48E-08	1.86E-08	2.84E-08	1.89E-10	4.71E-08
3880	741050.18	4110420.1	2.19E-07	3.69E-07	4.06E-09	5.92E-07	3.40E-08	6.05E-08	6.10E-10	9.51E-08	3.30E-08	5.20E-08	7.74E-10	8.58E-08	1.88E-08	2.87E-08	1.91E-10	4.77E-08
3881	741042.45	4110376.29	2.23E-07	3.75E-07	4.14E-09	6.03E-07	3.46E-08	6.15E-08	6.21E-10	9.67E-08	3.36E-08	5.30E-08	7.88E-10	8.74E-08	1.91E-08	2.92E-08	1.94E-10	4.85E-08
3882	741034.71	4110332.49	2.29E-07	3.86E-07	4.25E-09	6.19E-07	3.55E-08	6.32E-08	6.38E-10	9.94E-08	3.46E-08	5.44E-08	8.10E-10	8.98E-08	1.96E-08	3.00E-08	2.00E-10	4.98E-08
3883	741026.98	4110288.68	2.39E-07	4.02E-07	4.44E-09	6.46E-07	3.71E-08	6.60E-08	6.65E-10	1.04E-07	3.61E-08	5.68E-08	8.45E-10	9.37E-08	2.05E-08	3.13E-08	2.08E-10	5.20E-08
3884	741019.24	4110244.87	2.54E-07	4.27E-07	4.71E-09	6.86E-07	3.94E-08	7.01E-08	7.07E-10	1.10E-07	3.83E-08	6.03E-08	8.97E-10	9.95E-08	2.18E-08	3.33E-08	2.21E-10	5.52E-08
3885	741011.51	4110201.07	2.72E-07	4.57E-07	5.04E-09	7.34E-07	4.21E-08	7.49E-08	7.56E-10	1.18E-07	4.10E-08	6.45E-08	9.59E-10	1.06E-07	2.33E-08	3.56E-08	2.37E-10	5.91E-08
3886	741003.77	4110157.26	2.87E-07	4.83E-07	5.33E-09	7.76E-07	4.45E-08	7.92E-08	7.99E-10	1.25E-07	4.33E-08	6.82E-08	1.01E-09	1.12E-07	2.46E-08	3.76E-08	2.50E-10	6.25E-08
3887	740996.04	4110113.45	2.95E-07	4.96E-07	5.47E-09	7.96E-07	4.57E-08	8.13E-08	8.20E-10	1.28E-07	4.44E-08	7.00E-08	1.04E-09	1.15E-07	2.53E-08	3.86E-08	2.57E-10	6.41E-08
3888	740988.3	4110069.65	2.92E-07	4.91E-07	5.41E-09	7.88E-07	4.52E-08	8.05E-08	8.11E-10	1.26E-07	4.40E-08	6.92E-08	1.03E-09	1.14E-07	2.50E-08	3.82E-08	2.54E-10	6.34E-08
3889	740980.57	4110025.84	2.79E-07	4.70E-07	5.18E-09	7.54E-07	4.33E-08	7.70E-08	7.77E-10	1.21E-07	4.21E-08	6.63E-08	9.86E-10	1.09E-07	2.39E-08	3.66E-08	2.43E-10	6.07E-08
3890	740972.84	4109982.04	2.62E-07	4.41E-07	4.86E-09	7.08E-07	4.06E-08	7.23E-08	7.29E-10	1.14E-07	3.95E-08	6.22E-08	9.26E-10	1.03E-07	2.25E-08	3.43E-08	2.28E-10	5.70E-08
3891	740965.1	4109938.23	2.45E-07	4.12E-07	4.54E-09	6.62E-07	3.80E-08	6.76E-08	6.81E-10	1.06E-07	3.69E-08	5.81E-08	8.65E-10	9.59E-08	2.10E-08	3.21E-08	2.13E-10	5.33E-08
3892	740957.37	4109894.42	2.31E-07	3.88E-07	4.28E-09	6.24E-07	3.58E-08	6.37E-08	6.42E-10	1.00E-07	3.48E-08	5.48E-08	8.15E-10	9.04E-08	1.98E-08	3.02E-08	2.01E-10	5.02E-08
3893	740949.63	4109850.62	2.20E-07	3.71E-07	4.08E-09	5.95E-07	3.41E-08	6.07E-08	6.13E-10	9.55E-08	3.32E-08	5.23E-08	7.78E-10	8.62E-08	1.89E-08	2.88E-08	1.92E-10	4.79E-08
3894	740954.67	4109788.6	2.13E-07	3.58E-07	3.95E-09	5.75E-07	3.30E-08	5.87E-08	5.92E-10	9.23E-08	3.21E-08	5.05E-08	7.52E-10	8.34E-08	1.82E-08	2.79E-08	1.85E-10	4.63E-08
3895	740980.2	4109752.17	2.14E-07	3.59E-07	3.96E-09	5.77E-07	3.31E-08	5.89E-08	5.94E-10	9.26E-08	3.22E-08	5.07E-08	7.54E-10	8.36E-08	1.83E-08	2.80E-08	1.86E-10	4.64E-08
3896	741005.74	4109715.75	2.11E-07	3.55E-07	3.91E-09	5.70E-07	3.27E-08	5.82E-08	5.87E-10	9.15E-08	3.18E-08	5.01E-08	7.45E-10	8.26E-08	1.81E-08	2.76E-08	1.84E-10	4.59E-08
3897	741031.27	4109679.33	2.04E-07	3.44E-07	3.79E-09	5.52E-07	3.17E-08	5.64E-08	5.69E-10	8.87E-08	3.08E-08	4.85E-08	7.22E-10	8.01E-08	1.75E-08	2.68E-08	1.78E-10	4.45E-08
3898	741056.81	4109642.9	1.94E-07	3.27E-07	3.61E-09	5.25E-07	3.02E-08	5.37E-08	5.41E-10	8.44E-08	2.93E-08	4.62E-08	6.87E-10	7.62E-08	1.67E-08	2.55E-08	1.69E-10	4.23E-08
3899	741082.34	4109606.48	1.82E-07	3.06E-07	3.37E-09	4.91E-07	2.82E-08	5.01E-08	5.05E-10	7.88E-08	2.74E-08	4.31E-08	6.42E-10	7.11E-08	1.56E-08	2.38E-08	1.58E-10	3.95E-08
3900	741107.88	4109570.05	1.67E-07	2.81E-07	3.09E-09	4.50E-07	2.59E-08	4.60E-08	4.64E-10	7.23E-08	2.51E-08	3.96E-08	5.89E-10	6.53E-08	1.43E-08	2.18E-08	1.45E-10	3.63E-08
3901	741133.42	4109533.63	1.51E-07	2.55E-07	2.81E-09	4.09E-07	2.35E-08	4.18E-08	4.21E-10	6.57E-08	2.28E-08	3.59E-08	5.35E-10	5.93E-08	1.30E-08	1.98E-08	1.32E-10	3.29E-08
3902	741158.95	4109497.21	1.38E-07	2.32E-07	2.55E-09	3.72E-07	2.13E-08	3.80E-08	3.83E-10	5.97E-08	2.07E-08	3.27E-08	4.86E-10	5.39E-08	1.18E-08	1.80E-08	1.20E-10	2.99E-08
3903	741184.49	4109460.78	1.27E-07	2.13E-07	2.35E-09	3.42E-07	1.96E-08	3.50E-08	3.52E-10	5.50E-08	1.91E-08	3.01E-08	4.48E-10	4.96E-08	1.09E-08	1.66E-08	1.10E-10	2.76E-08
3904	741210.02	4109424.36	1.19E-07	2.00E-07	2.20E-09	3.21E-07	1.84E-08	3.28E-08	3.31E-10	5.15E-08	1.79E-08	2.82E-08	4.20E-10	4.65E-08	1.02E-08	1.56E-08	1.03E-10	2.58E-08
3905	741235.56	4109387.93	1.13E-07	1.91E-07	2.10E-09	3.06E-07	1.76E-08	3.12E-08	3.15E-10	4.91E-08	1.71E-08	2.69E-08	4.00E-10	4.44E-08	9.70E-09	1.48E-08	9.86E-11	2.46E-08
3906	741261.1	4109351.51	1.09E-07	1.84E-07	2.03E-09	2.95E-07	1.69E-08	3.01E-08	3.04E-10	4.74E-08	1.65E-08	2.59E-08	3.86E-10	4.28E-08	9.36E-09	1.43E-08	9.51E-11	2.38E-08
3907	741286.63	4109315.08	1.06E-07	1.79E-07	1.97E-09	2.87E-07	1.65E-08	2.93E-08	2.95E-10	4.60E-08	1.60E-08	2.52E-08	3.75E-10	4.16E-08	9.10E-09	1.39E-08	9.25E-11	2.31E-08
3908	741312.17	4109278.66	1.03E-07	1.74E-07	1.92E-09	2.80E-07	1.60E-08	2.85E-08	2.88E-10	4.49E-08	1.56E-08	2.46E-08	3.66E-10	4.05E-08	8.87E-09	1.35E-08	9.01E-11	2.25E-08
3909	741073.9	4110504.79	2.18E-07	3.67E-07	4.04E-09	5.89E-07	3.38E-08	6.01E-08	6.06E-10	9.45E-08	3.29E-08	5.17E-08	7.70E-10	8.54E-08	1.87E-08	2.85E-08	1.90E-10	4.74E-08
3910	741086.01	4110523.78	2.20E-07	3.70E-07	4.08E-09	5.95E-07	3.41E-08	6.07E-08	6.13E-10	9.55E-08	3.32E-08	5.23E-08	7.78E-10	8.62E-08	1.89E-08	2.88E-08	1.92E-10	4.79E-08
3911	741098.12	4110542.77	2.22E-07	3.74E-07	4.12E-09	6.00E-07	3.45E-08	6.13E-08	6.18E-10	9.64E-08	3.35E-08	5.28E-08	7.85E-10	8.71E-08	1.90E-08	2.91E-08	1.94E-10	4.83E-08
3912	741110.24	4110561.76	2.24E-07	3.77E-07	4.15E-09	6.05E-07	3.47E-08	6.18E-08	6.23E-10	9.71E-08	3.38E-08	5.31E-08	7.91E-10	8.77E-08	1.92E-08	2.93E-08	1.95E-10	4.87E-08
3913	741122.35	4110580.75	2.25E-07	3.78E-07	4.17E-09	6.07E-07	3.49E-08	6.20E-08	6.25E-10	9.75E-08	3.39E-08	5.34E-08	7.94E-10	8.81E-08	1.93E-08	2.94E-08	1.96E-10	4.89E-08
3914	741134.46	4110599.73	2.25E-07	3.78E-07	4.17E-09	6.07E-07	3.49E-08	6.20E-08	6.25E-10	9.75E-08	3.39E-08	5.34E-08	7.94E-10	8.81E-08	1.93E-08	2.94E-08	1.96E-10	4.89E-08
3915	741146.58	4110618.72	2.24E-07	3.76E-07	4.15E-09	6.04E-07	3.47E-08	6.17E-08	6.22E-10	9.70E-08	3.37E-08	5.31E-08	7.90E-10	8.76E-08	1.92E-08	2.93E-08	1.95E-10	4.87E-08
3916	741158.69	4110637.71	2.21E-07	3.73E-07	4.11E-09	5.98E-07	3.43E-08	6.11E-08	6.16E-10	9.60E-08	3.34E-08	5.26E-08	7.82E-10	8.67E-08	1.90E-08	2.90E-08	1.93E-10	4.82E-08
3917	741170.8	4110656.7	2.18E-07	3.66E-07	4.04E-09	5.88E-07	3.38E-08	6.01E-08	6.06E-10	9.44E-08	3.28E-08	5.17E-08	7.69E-10	8.53E-08	1.87E-08	2.85E-08	1.90E-10	4.74E-08
3918	740889.32	4110571.53	1.64E-07	2.75E-07	3.04E-09	4.42E-07	2.54E-08	4.52E-08	4.55E-10	7.10E-08	2.47E-08	3.89E-08	5.78E-10	6.41E-08	1.40E-08	2.14E-08	1.43E-10	3.56E-08
3919	740881.6	4110527.86	1.65E-07	2.77E-07	3.06E-09	4.45E-07	2.56E-08	4.55E-08	4.59E-10	7.15E-08	2.49E-08	3.91E-08	5.82E-10	6.46E-08	1.41E-08	2.16E-08	1.44E-10	3.59E-08
3920	740873.89	4110484.18	1.67E-07	2.80E-07	3.09E-09	4.50E-07	2.58E-08	4.60E-08	4.64E-10	7.23E-08	2.51E-08	3.96E-08	5.89E-10	6.53E-08	1.43E-08	2.18E-08	1.45E-10	3.63E-08
3921	740866.18	4110440.5	1.69E-07	2.85E-07	3.14E-09	4.57E-07	2.62E-08	4.67E-08	4.71E-10	7.34E-08	2.55E-08	4.02E-08	5.98E-10	6.63E-08	1.45E-08	2.22E-08	1.47E-10	3.68E-08
3922	740858.47	4110396.82	1.73E-07	2.91E-07	3.21E-09	4.67E-07	2.68E-08	4.77E-08	4.81E-10	7.50E-08	2.61E-08	4.10E-08	6.11E-10	6.77E-08	1.48E-08	2.26E-08	1.51E-10	3.76E-08
3923	740850.76	4110353.14	1.78E-07	3.00E-07	3.31E-09	4.82E-07	2.77E-08	4.92E-08	4.96E-10	7.74E-08	2.69E-08	4.23E-08	6.30E-10	6.99E-08	1.53E-08	2.34E-08	1.55E-10	3.88E-08
3924	740843.04	4110309.47	1.87E-07	3.15E-07	3.47E-09	5.05E-07	2.90E-08	5.16E-08	5.20E-10	8.11E-08	2.82E-08	4.44E-08	6.60E-10	7.32E-08	1.60E-08	2.45E-08	1.63E-10	4.07E-08
3925	740835.33	4110265.79	1.99E-07	3.35E-07	3.69E-09	5.37E-07	3.08E-08	5.48E-08	5.53E-10	8.62E-08	3.00E-08	4.72E-08	7.02E-10	7.79E-08	1.70E-08	2.60E-08	1.73E-10	4.32E-08
3926	740827.62	4110222.11	2.12E-07	3.57E-07	3.93E-09	5.73E-07	3.29E-08	5.85E-08	5.90E-10	9.20E-08	3.20E-08	5.03E-08	7.49E-10	8.30E-08	1.82E-08	2.78E-08	1.85E-10	4.61E-08
3927	740819.91	4110178.43	2.23E-07	3.75E-07	4.14E-09	6.02E-07	3.46E-08	6.15E-08	6.21E-10	9.67E-08	3.36E-08	5.29E-08	7.88E-10	8.74E-08	1.91E-08	2.92E-08	1.94E-10	4.85E-08
3928	740812.2	4110134.75	2.28E-07	3.85E-07	4.24E-09	6.17E-07	3.54E-08	6.30E-08	6.36E-10	9.91E-08	3.45E-08	5.42E-08	8.07E-10	8.95E-08	1.96E-08	2.99E-08	1.99E-10	4.97E-08
3929	740804.48	4110091.07	2.27E-07	3.82E-07	4.21E-09	6.13E-07	3.52E-08	6.26E-08	6.31E-10	9.84E-08	3.42E-08	5.39E-08	8.02E-10	8.89E-08	1.94E-08	2.97E-08	1.98E-10	4.94E-08
3930	740796.77	4110047.4	2.19E-07	3.69E-07	4.06E-09	5.92E-07	3.40E-08	6.05E-08	6.10E-10	9.50E-08	3.30E-08	5.20E-08	7.74E-10	8.58E-08	1.88E-08	2.87E-08	1.91E-10	4.77E-08
3931	740789.06	4110003.72	2.07E-07	3.49E-07	3.85E-09	5.60E-07	3.22E-08	5.72E-08	5.77E-10	9.00E-08	3.13E-08	4.92E-08	7.33E-10	8.13E-08	1.78E-08	2.72E-08	1.81E-10	4.51E-08
3932	740781.35	4109960.04	1.95E-07	3.28E-07	3.61E-09	5.26E-07	3.02E-08	5.37E-08	5.42E-10	8.44E-08	2.94E-08	4.62E-08	6.88E-10	7.63E-08	1.67E-08	2.55E-08	1.70E-10	4.23E-08
3933	740773.64	4109916.36	1.83E-07	3.08E-07	3.40E-09	4.95E-07	2.84E-08	5.05E-08	5.10E-10	7.94E-08	2.76E-08	4.35E-08	6.47E-10	7.17E-08	1.57E-08	2.40E-08	1.60E-10	3.98E-08
3934	740765.93	4109872.68	1.74E-07	2.93E-07	3.23E-09	4.70E-07	2.70E-08	4.80E-08	4.84E-10	7.55E-08	2.63E-08	4.13E-08	6.15E-10	6.82E-08	1.49E-08	2.28E-08	1.52E-10	3.79E-08
3935	740758.21	4109829.01	1.68E-07	2.82E-07	3.11E-09	4.52E-07	2.60E-08	4.62E-08	4.66E-10	7.27E-08	2.53E-08	3.98E-08	5.92E-10	6.56E-08	1.44E-08	2.19E-08	1.46E-10	3.64E-08
3936	740750.5	4109785.33	1.63E-07	2.74E-07	3.02E-09	4.40E-07	2.53E-08	4.49E-08	4.53E-10	7.07E-08	2.46E-08	3.87E-08	5.75E-10	6.38E-08	1.40E-08	2.13E-08	1.42E-10	3.54E-08
3937	740759.38	4109745.33	1.62E-07	2.73E-07	3.01E-09	4.39E-07	2.52E-08	4.48E-08	4.52E-10	7.04E-08	2.45E-08	3.85E-08	5.73E-10	6.36E-08	1.39E-08	2.13E-08	1.41E-10	3.53E-08
3938	740784.84	4109709.01	1.64E-07	2.76E-07	3.05E-09	4.44E-07	2.55E-08	4.53E-08	4.57E-10	7.12E-08	2.48E-08	3.90E-08	5.80E-10	6.43E-08	1.41E-08	2.15E-08	1.43E-10	3.57E-08
3939	740810.3	4109672.69	1.64E-07	2.75E-07	3.04E-09	4.42E-07	2.54E-08	4.51E-08	4.55E-10	7.10E-08	2.47E-08	3.88E-08	5.78E-10	6.41E-08	1.40E-08	2.14E-08	1.43E-10	3.56E-08
3940	740835.76	4109636.38	1.60E-07	2.70E-07	2.97E-09	4.33E-07	2.49E-08	4.42E-08	4.46E-10	6.95E-08	2.42E-08	3.80E-08	5.66E-10	6.28E-08	1.37E-08	2.10E-08	1.40E-10	3.49E-08
3941	740861.22	4109600.06	1.54E-07	2.60E-07	2.86E-09	4.17E-07	2.39E-08	4.25E-08	4.29E-10	6.69E-08	2.33E-08	3.66E-08	5.45E-10	6.04E-08	1.32E-08	2.02E-08	1.34E-10	3.35E-08
3942	740886.68	4109563.74	1.46E-07	2.46E-07	2.71E-09	3.95E-07	2.27E-08	4.03E-08	4.06E-10	6.34E-08	2.20E-08	3.47E-08	5.16E-10	5.72E-08	1.25E-08	1.91E-08	1.27E-10	3.18E-08
3943	740912.14	4109527.42	1.37E-07	2.30E-07	2.53E-09	3.69E-07	2.12E-08	3.77E-08	3.80E-10	5.92E-08	2.06E-08	3.24E-08	4.82E-10	5.35E-08	1.17E-08	1.79E-08	1.19E-10	2.97E-08
3944	740937.6	4109491.11	1.26E-07	2.12E-07	2.34E-09	3.41E-07	1.96E-08	3.48E-08	3.51E-10	5.47E-08	1.90E-08	3.00E-08	4.46E-10	4.94E-08	1.08E-08	1.65E-08	1.10E-10	2.74E-08
3945	740963.07	4109454.79	1.16E-07	1.95E-07	2.15E-09	3.13E-07	1.80E-08	3.19E-08	3.22E-10	5.02E-08	1.75E-08	2.75E-08	4.09E-10	4.54E-08	9.92E-09	1.52E-08	1.01E-10	2.52E-08
3946	740988.53	4109418.47	1.06E-07	1.79E-07	1.97E-09	2.87E-07	1.65E-08	2.93E-08	2.95E-10	4.60E-08	1.60E-08	2.52E-08	3.75E-10	4.16E-08	9.09E-09	1.39E-08	9.24E-11	2.31E-08
3947	741013.99	4109382.15	9.78E-08	1.65E-07	1.81E-09	2.64E-07	1.52E-08	2.70E-08	2.72E-10	4.24E-08	1.47E-08	2.32E-08	3.46E-10	3.83E-08	8.38E-09	1.28E-08	8.52E-11	2.13E-08
3948	741039.45	4109345.84	9.13E-08	1.54E-07	1.69E-09	2.47E-07	1.42E-08	2.52E-08	2.54E-10	3.96E-08	1.38E-08	2.17E-08	3.23E-10	3.58E-08	7.83E-09	1.20E-08	7.96E-11	1.99E-08
3949	741064.91	4109309.52	8.66E-08	1.46E-07	1.61E-09	2.34E-07	1.34E-08	2.39E-08	2.41E-10	3.76E-08	1.31E-08	2.06E-08	3.06E-10	3.39E-08	7.42E-09	1.13E-08	7.55E-11	1.88E-08
3950	741090.37	4109273.2	8.34E-08	1.40E-07	1.55E-09	2.25E-07	1.29E-08	2.30E-08	2.32E-10	3.62E-08	1.26E-08	1.98E-08	2.95E-10	3.27E-08	7.14E-09	1.09E-08	7.26E-11	1.81E-08
3951	741115.83	4109236.88	8.13E-08	1.37E-07	1.51E-09	2.20E-07	1.26E-08	2.24E-08	2.26E-10	3.53E-08	1.23E-08	1.93E-08	2.87E-10	3.18E-08	6.96E-09	1.06E-08	7.08E-11	1.77E-08
3952	741141.29	4109200.56	8.01E-08	1.35E-07	1.49E-09	2.16E-07	1.24E-08	2.21E-08	2.23E-10	3.47E-08	1.21E-08	1.90E-08	2.83E-10	3.14E-08	6.86E-09	1.05E-08	6.98E-11	1.74E-08
3953	741166.75	4109164.25	7.93E-08	1.33E-07	1.47E-09	2.14E-07	1.23E-08	2.19E-08	2.21E-10	3.44E-08	1.20E-08	1.88E-08	2.80E-10	3.11E-08	6.79E-09	1.04E-08	6.91E-11	1.72E-08
3954	741192.22	4109127.93	7.84E-08	1.32E-07	1.45E-09	2.12E-07	1.22E-08	2.16E-08	2.18E-10	3.40E-08	1.18E-08	1.86E-08	2.77E-10	3.07E-08	6.72E-09	1.03E-08	6.83E-11	1.70E-08
3955	740905.28	4110612.36	1.65E-07	2.77E-07	3.06E-09	4.45E-07	2.56E-08	4.55E-08	4.59E-10	7.15E-08	2.49E-08	3.91E-08	5.82E-10	6.46E-08	1.41E-08	2.16E-08	1.44E-10	3.59E-08
3956	740917.4	4110631.35	1.66E-07	2.80E-07	3.09E-09	4.49E-07	2.58E-08	4.59E-08	4.63E-10	7.22E-08	2.51E-08	3.95E-08	5.88E-10	6.52E-08	1.43E-08	2.18E-08	1.45E-10	3.62E-08

3957	740929.51	4110650.34	1.68E-07	2.82E-07	3.11E-09	4.53E-07	2.60E-08	4.63E-08	4.67E-10	7.28E-08	2.53E-08	3.98E-08	5.93E-10	6.57E-08	1.44E-08	2.20E-08	1.46E-10	3.65E-08
3958	740941.62	4110669.32	1.69E-07	2.84E-07	3.13E-09	4.56E-07	2.62E-08	4.66E-08	4.70E-10	7.33E-08	2.55E-08	4.01E-08	5.97E-10	6.62E-08	1.45E-08	2.21E-08	1.47E-10	3.67E-08
3959	740953.74	4110688.31	1.70E-07	2.86E-07	3.15E-09	4.58E-07	2.63E-08	4.68E-08	4.72E-10	7.36E-08	2.56E-08	4.03E-08	6.00E-10	6.65E-08	1.45E-08	2.22E-08	1.48E-10	3.69E-08
3960	740965.85	4110707.3	1.70E-07	2.86E-07	3.15E-09	4.59E-07	2.64E-08	4.69E-08	4.73E-10	7.38E-08	2.56E-08	4.04E-08	6.01E-10	6.66E-08	1.46E-08	2.23E-08	1.48E-10	3.70E-08
3961	740977.96	4110726.29	1.70E-07	2.86E-07	3.15E-09	4.59E-07	2.63E-08	4.68E-08	4.72E-10	7.36E-08	2.56E-08	4.03E-08	6.00E-10	6.65E-08	1.45E-08	2.22E-08	1.48E-10	3.69E-08
3962	740990.08	4110745.27	1.69E-07	2.84E-07	3.13E-09	4.56E-07	2.62E-08	4.66E-08	4.70E-10	7.32E-08	2.55E-08	4.01E-08	5.96E-10	6.61E-08	1.45E-08	2.21E-08	1.47E-10	3.67E-08
3963	741002.19	4110764.26	1.67E-07	2.81E-07	3.10E-09	4.51E-07	2.59E-08	4.61E-08	4.65E-10	7.25E-08	2.52E-08	3.97E-08	5.90E-10	6.54E-08	1.43E-08	2.19E-08	1.46E-10	3.63E-08
3964	740720.71	4110679.14	1.30E-07	2.18E-07	2.41E-09	3.50E-07	2.01E-08	3.58E-08	3.61E-10	5.62E-08	1.96E-08	3.08E-08	4.58E-10	5.08E-08	1.11E-08	1.70E-08	1.13E-10	2.82E-08
3965	740713.02	4110635.55	1.30E-07	2.19E-07	2.41E-09	3.52E-07	2.02E-08	3.59E-08	3.62E-10	5.65E-08	1.96E-08	3.09E-08	4.60E-10	5.10E-08	1.12E-08	1.70E-08	1.13E-10	2.83E-08
3966	740705.32	4110591.96	1.31E-07	2.21E-07	2.43E-09	3.54E-07	2.03E-08	3.62E-08	3.65E-10	5.69E-08	1.98E-08	3.11E-08	4.63E-10	5.14E-08	1.12E-08	1.72E-08	1.14E-10	2.85E-08
3967	740697.62	4110548.37	1.33E-07	2.23E-07	2.46E-09	3.58E-07	2.06E-08	3.66E-08	3.69E-10	5.75E-08	2.00E-08	3.15E-08	4.68E-10	5.19E-08	1.14E-08	1.74E-08	1.16E-10	2.88E-08
3968	740689.93	4110504.78	1.34E-07	2.26E-07	2.49E-09	3.63E-07	2.09E-08	3.71E-08	3.74E-10	5.83E-08	2.03E-08	3.19E-08	4.75E-10	5.27E-08	1.15E-08	1.76E-08	1.17E-10	2.92E-08
3969	740682.23	4110461.19	1.37E-07	2.30E-07	2.54E-09	3.69E-07	2.12E-08	3.77E-08	3.81E-10	5.93E-08	2.06E-08	3.25E-08	4.83E-10	5.36E-08	1.17E-08	1.79E-08	1.19E-10	2.97E-08
3970	740674.53	4110417.6	1.40E-07	2.36E-07	2.60E-09	3.78E-07	2.17E-08	3.86E-08	3.89E-10	6.07E-08	2.11E-08	3.32E-08	4.94E-10	5.48E-08	1.20E-08	1.83E-08	1.22E-10	3.04E-08
3971	740666.84	4110374.01	1.45E-07	2.44E-07	2.69E-09	3.92E-07	2.25E-08	4.00E-08	4.03E-10	6.29E-08	2.19E-08	3.44E-08	5.12E-10	5.68E-08	1.24E-08	1.90E-08	1.26E-10	3.15E-08
3972	740659.14	4110330.42	1.53E-07	2.57E-07	2.83E-09	4.12E-07	2.37E-08	4.21E-08	4.24E-10	6.62E-08	2.30E-08	3.62E-08	5.39E-10	5.98E-08	1.31E-08	2.00E-08	1.33E-10	3.32E-08
3973	740651.45	4110286.83	1.62E-07	2.73E-07	3.01E-09	4.38E-07	2.52E-08	4.48E-08	4.51E-10	7.04E-08	2.45E-08	3.85E-08	5.73E-10	6.35E-08	1.39E-08	2.12E-08	1.41E-10	3.53E-08
3974	740643.75	4110243.25	1.72E-07	2.90E-07	3.20E-09	4.65E-07	2.67E-08	4.75E-08	4.79E-10	7.47E-08	2.60E-08	4.09E-08	6.09E-10	6.75E-08	1.48E-08	2.26E-08	1.50E-10	3.75E-08
3975	740636.05	4110199.66	1.80E-07	3.03E-07	3.34E-09	4.87E-07	2.80E-08	4.97E-08	5.02E-10	7.82E-08	2.72E-08	4.28E-08	6.37E-10	7.06E-08	1.54E-08	2.36E-08	1.57E-10	3.92E-08
3976	740628.36	4110156.07	1.84E-07	3.10E-07	3.42E-09	4.98E-07	2.86E-08	5.08E-08	5.13E-10	7.99E-08	2.78E-08	4.37E-08	6.51E-10	7.22E-08	1.58E-08	2.41E-08	1.61E-10	4.01E-08
3977	740620.66	4110112.48	1.83E-07	3.09E-07	3.40E-09	4.95E-07	2.84E-08	5.06E-08	5.10E-10	7.95E-08	2.76E-08	4.35E-08	6.48E-10	7.18E-08	1.57E-08	2.40E-08	1.60E-10	3.99E-08
3978	740612.96	4110068.89	1.78E-07	3.00E-07	3.30E-09	4.81E-07	2.76E-08	4.91E-08	4.95E-10	7.72E-08	2.68E-08	4.23E-08	6.29E-10	6.97E-08	1.53E-08	2.33E-08	1.55E-10	3.87E-08
3979	740605.27	4110025.3	1.70E-07	2.86E-07	3.15E-09	4.59E-07	2.63E-08	4.68E-08	4.72E-10	7.37E-08	2.56E-08	4.03E-08	6.00E-10	6.65E-08	1.45E-08	2.22E-08	1.48E-10	3.69E-08
3980	740597.57	4109981.71	1.60E-07	2.70E-07	2.97E-09	4.33E-07	2.49E-08	4.42E-08	4.46E-10	6.96E-08	2.42E-08	3.81E-08	5.66E-10	6.28E-08	1.37E-08	2.10E-08	1.40E-10	3.49E-08
3981	740589.88	4109938.12	1.51E-07	2.54E-07	2.80E-09	4.08E-07	2.34E-08	4.17E-08	4.20E-10	6.55E-08	2.28E-08	3.59E-08	5.34E-10	5.92E-08	1.29E-08	1.98E-08	1.32E-10	3.29E-08
3982	740582.18	4109894.53	1.43E-07	2.41E-07	2.65E-09	3.86E-07	2.22E-08	3.95E-08	3.98E-10	6.20E-08	2.16E-08	3.40E-08	5.05E-10	5.60E-08	1.23E-08	1.87E-08	1.25E-10	3.11E-08
3983	740574.48	4109850.94	1.37E-07	2.30E-07	2.54E-09	3.70E-07	2.12E-08	3.78E-08	3.81E-10	5.94E-08	2.06E-08	3.25E-08	4.83E-10	5.36E-08	1.17E-08	1.79E-08	1.19E-10	2.98E-08
3984	740566.79	4109807.35	1.33E-07	2.23E-07	2.46E-09	3.59E-07	2.06E-08	3.66E-08	3.69E-10	5.76E-08	2.00E-08	3.15E-08	4.69E-10	5.20E-08	1.14E-08	1.74E-08	1.16E-10	2.89E-08
3985	740559.09	4109763.76	1.30E-07	2.19E-07	2.41E-09	3.51E-07	2.02E-08	3.59E-08	3.62E-10	5.64E-08	1.96E-08	3.09E-08	4.59E-10	5.10E-08	1.11E-08	1.70E-08	1.13E-10	2.83E-08
3986	740564.1	4109702.04	1.29E-07	2.18E-07	2.40E-09	3.49E-07	2.01E-08	3.57E-08	3.60E-10	5.61E-08	1.95E-08	3.07E-08	4.57E-10	5.07E-08	1.11E-08	1.69E-08	1.13E-10	2.81E-08
3987	740589.51	4109665.8	1.31E-07	2.21E-07	2.43E-09	3.54E-07	2.03E-08	3.62E-08	3.65E-10	5.69E-08	1.98E-08	3.11E-08	4.63E-10	5.14E-08	1.12E-08	1.72E-08	1.14E-10	2.85E-08
3988	740614.92	4109629.56	1.32E-07	2.21E-07	2.44E-09	3.55E-07	2.04E-08	3.63E-08	3.66E-10	5.71E-08	1.98E-08	3.12E-08	4.65E-10	5.15E-08	1.13E-08	1.72E-08	1.15E-10	2.86E-08
3989	740640.33	4109593.31	1.30E-07	2.19E-07	2.41E-09	3.51E-07	2.02E-08	3.59E-08	3.62E-10	5.64E-08	1.96E-08	3.09E-08	4.59E-10	5.09E-08	1.11E-08	1.70E-08	1.13E-10	2.83E-08
3990	740665.74	4109557.07	1.26E-07	2.12E-07	2.34E-09	3.41E-07	1.96E-08	3.48E-08	3.51E-10	5.48E-08	1.90E-08	3.00E-08	4.46E-10	4.95E-08	1.08E-08	1.65E-08	1.10E-10	2.75E-08
3991	740691.15	4109520.82	1.21E-07	2.03E-07	2.24E-09	3.26E-07	1.87E-08	3.33E-08	3.36E-10	5.24E-08	1.82E-08	2.87E-08	4.27E-10	4.73E-08	1.03E-08	1.58E-08	1.05E-10	2.63E-08
3992	740716.56	4109484.58	1.14E-07	1.92E-07	2.12E-09	3.08E-07	1.77E-08	3.15E-08	3.18E-10	4.95E-08	1.72E-08	2.71E-08	4.03E-10	4.47E-08	9.78E-09	1.49E-08	9.94E-11	2.48E-08
3993	740741.97	4109448.33	1.07E-07	1.80E-07	1.98E-09	2.89E-07	1.66E-08	2.95E-08	2.97E-10	4.64E-08	1.61E-08	2.54E-08	3.78E-10	4.19E-08	9.16E-09	1.40E-08	9.31E-11	2.33E-08
3994	740767.38	4109412.09	9.94E-08	1.67E-07	1.84E-09	2.69E-07	1.54E-08	2.74E-08	2.77E-10	4.31E-08	1.50E-08	2.36E-08	3.51E-10	3.90E-08	8.52E-09	1.30E-08	8.66E-11	2.16E-08
3995	740792.79	4109375.85	9.21E-08	1.55E-07	1.71E-09	2.49E-07	1.43E-08	2.54E-08	2.56E-10	4.00E-08	1.39E-08	2.19E-08	3.25E-10	3.61E-08	7.89E-09	1.21E-08	8.02E-11	2.00E-08
3996	740818.2	4109339.6	8.52E-08	1.43E-07	1.58E-09	2.30E-07	1.32E-08	2.35E-08	2.37E-10	3.70E-08	1.29E-08	2.02E-08	3.01E-10	3.34E-08	7.30E-09	1.12E-08	7.42E-11	1.85E-08
3997	740843.61	4109303.36	7.90E-08	1.33E-07	1.47E-09	2.13E-07	1.23E-08	2.18E-08	2.20E-10	3.43E-08	1.19E-08	1.88E-08	2.79E-10	3.10E-08	6.77E-09	1.03E-08	6.88E-11	1.72E-08
3998	740869.02	4109267.11	7.37E-08	1.24E-07	1.37E-09	1.99E-07	1.14E-08	2.03E-08	2.05E-10	3.20E-08	1.11E-08	1.75E-08	2.60E-10	2.89E-08	6.32E-09	9.66E-09	6.42E-11	1.60E-08
3999	740894.43	4109230.87	6.96E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.94E-10	3.02E-08	1.05E-08	1.65E-08	2.46E-10	2.72E-08	5.96E-09	9.11E-09	6.06E-11	1.51E-08
4000	740919.84	4109194.62	6.64E-08	1.12E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.85E-10	2.88E-08	1.00E-08	1.58E-08	2.35E-10	2.60E-08	5.69E-09	8.70E-09	5.79E-11	1.44E-08
4001	740945.24	4109158.38	6.43E-08	1.08E-07	1.19E-09	1.74E-07	9.98E-09	1.77E-08	1.79E-10	2.79E-08	9.70E-09	1.53E-08	2.27E-10	2.52E-08	5.51E-09	8.42E-09	5.60E-11	1.40E-08
4002	740970.65	4109122.14	6.31E-08	1.06E-07	1.17E-09	1.71E-07	9.79E-09	1.74E-08	1.76E-10	2.74E-08	9.52E-09	1.50E-08	2.23E-10	2.47E-08	5.41E-09	8.27E-09	5.50E-11	1.37E-08
4003	740996.06	4109085.89	6.27E-08	1.05E-07	1.16E-09	1.69E-07	9.72E-09	1.73E-08	1.74E-10	2.72E-08	9.45E-09	1.49E-08	2.21E-10	2.46E-08	5.37E-09	8.21E-09	5.46E-11	1.36E-08
4004	741021.47	4109049.65	6.27E-08	1.05E-07	1.16E-09	1.69E-07	9.72E-09	1.73E-08	1.74E-10	2.72E-08	9.45E-09	1.49E-08	2.21E-10	2.46E-08	5.37E-09	8.21E-09	5.46E-11	1.36E-08
4005	741046.88	4109013.4	6.27E-08	1.06E-07	1.16E-09	1.69E-07	9.72E-09	1.73E-08	1.74E-10	2.72E-08	9.45E-09	1.49E-08	2.21E-10	2.46E-08	5.37E-09	8.21E-09	5.46E-11	1.36E-08
4006	741072.29	4108977.16	6.24E-08	1.05E-07	1.16E-09	1.69E-07	9.68E-09	1.72E-08	1.74E-10	2.71E-08	9.41E-09	1.48E-08	2.20E-10	2.44E-08	5.35E-09	8.17E-09	5.44E-11	1.36E-08
4007	741097.7	4108940.91	6.15E-08	1.04E-07	1.14E-09	1.66E-07	9.54E-09	1.70E-08	1.71E-10	2.67E-08	9.28E-09	1.46E-08	2.17E-10	2.41E-08	5.27E-09	8.06E-09	5.36E-11	1.34E-08
4008	740736.67	4110719.93	1.31E-07	2.20E-07	2.42E-09	3.53E-07	2.02E-08	3.60E-08	3.63E-10	5.66E-08	1.97E-08	3.10E-08	4.61E-10	5.11E-08	1.12E-08	1.71E-08	1.14E-10	2.84E-08
4009	740748.79	4110738.91	1.32E-07	2.21E-07	2.44E-09	3.55E-07	2.04E-08	3.63E-08	3.66E-10	5.71E-08	1.98E-08	3.12E-08	4.65E-10	5.15E-08	1.13E-08	1.72E-08	1.15E-10	2.86E-08
4010	740760.9	4110757.9	1.33E-07	2.23E-07	2.46E-09	3.58E-07	2.05E-08	3.66E-08	3.69E-10	5.75E-08	2.00E-08	3.15E-08	4.68E-10	5.19E-08	1.14E-08	1.74E-08	1.15E-10	2.88E-08
4011	740773.01	4110776.89	1.33E-07	2.24E-07	2.47E-09	3.60E-07	2.07E-08	3.68E-08	3.71E-10	5.78E-08	2.01E-08	3.16E-08	4.71E-10	5.22E-08	1.14E-08	1.75E-08	1.16E-10	2.90E-08
4012	740785.13	4110795.88	1.34E-07	2.25E-07	2.48E-09	3.62E-07	2.08E-08	3.69E-08	3.72E-10	5.81E-08	2.02E-08	3.18E-08	4.73E-10	5.24E-08	1.15E-08	1.75E-08	1.17E-10	2.91E-08
4013	740809.35	4110833.85	1.34E-07	2.26E-07	2.49E-09	3.63E-07	2.08E-08	3.71E-08	3.74E-10	5.83E-08	2.03E-08	3.19E-08	4.74E-10	5.26E-08	1.15E-08	1.76E-08	1.17E-10	2.92E-08
4014	740821.47	4110852.84	1.34E-07	2.25E-07	2.48E-09	3.62E-07	2.08E-08	3.70E-08	3.73E-10	5.81E-08	2.02E-08	3.18E-08	4.73E-10	5.25E-08	1.15E-08	1.75E-08	1.17E-10	2.91E-08
4015	740833.58	4110871.83	1.33E-07	2.24E-07	2.47E-09	3.60E-07	2.06E-08	3.67E-08	3.70E-10	5.77E-08	2.01E-08	3.16E-08	4.70E-10	5.21E-08	1.14E-08	1.74E-08	1.16E-10	2.90E-08
4016	740552.11	4110786.74	1.06E-07	1.79E-07	1.97E-09	2.87E-07	1.65E-08	2.93E-08	2.96E-10	4.61E-08	1.60E-08	2.52E-08	3.75E-10	4.16E-08	9.11E-09	1.39E-08	9.26E-11	2.31E-08
4017	740544.42	4110743.22	1.07E-07	1.79E-07	1.98E-09	2.88E-07	1.65E-08	2.94E-08	2.96E-10	4.62E-08	1.61E-08	2.53E-08	3.76E-10	4.17E-08	9.13E-09	1.40E-08	9.28E-11	2.32E-08
4018	740536.74	4110699.69	1.07E-07	1.80E-07	1.98E-09	2.89E-07	1.66E-08	2.95E-08	2.98E-10	4.64E-08	1.61E-08	2.54E-08	3.78E-10	4.19E-08	9.17E-09	1.40E-08	9.32E-11	2.33E-08
4019	740529.05	4110656.17	1.08E-07	1.81E-07	2.00E-09	2.91E-07	1.67E-08	2.97E-08	3.00E-10	4.67E-08	1.63E-08	2.56E-08	3.81E-10	4.22E-08	9.24E-09	1.41E-08	9.39E-11	2.34E-08
4020	740521.37	4110612.64	1.09E-07	1.83E-07	2.02E-09	2.94E-07	1.69E-08	3.01E-08	3.03E-10	4.73E-08	1.64E-08	2.59E-08	3.85E-10	4.27E-08	9.34E-09	1.43E-08	9.49E-11	2.37E-08
4021	740513.68	4110569.11	1.10E-07	1.86E-07	2.05E-09	2.98E-07	1.71E-08	3.04E-08	3.07E-10	4.79E-08	1.66E-08	2.62E-08	3.90E-10	4.32E-08	9.46E-09	1.45E-08	9.61E-11	2.40E-08
4022	740506	4110525.59	1.12E-07	1.88E-07	2.08E-09	3.02E-07	1.74E-08	3.09E-08	3.11E-10	4.85E-08	1.69E-08	2.66E-08	3.95E-10	4.38E-08	9.59E-09	1.47E-08	9.75E-11	2.43E-08
4023	740498.31	4110482.06	1.14E-07	1.92E-07	2.11E-09	3.08E-07	1.77E-08	3.14E-08	3.17E-10	4.94E-08	1.72E-08	2.70E-08	4.02E-10	4.46E-08	9.76E-09	1.49E-08	9.92E-11	2.48E-08
4024	740490.63	4110438.54	1.17E-07	1.97E-07	2.17E-09	3.16E-07	1.81E-08	3.23E-08	3.25E-10	5.07E-08	1.76E-08	2.78E-08	4.13E-10	4.58E-08	1.00E-08	1.53E-08	1.02E-10	2.54E-08
4025	740482.94	4110395.01	1.22E-07	2.05E-07	2.26E-09	3.29E-07	1.89E-08	3.36E-08	3.38E-10	5.28E-08	1.83E-08	2.89E-08	4.30E-10	4.76E-08	1.04E-08	1.59E-08	1.06E-10	2.65E-08
4026	740475.26	4110351.49	1.28E-07	2.16E-07	2.38E-09	3.47E-07	1.99E-08	3.54E-08	3.57E-10	5.56E-08	1.93E-08	3.05E-08	4.53E-10	5.03E-08	1.10E-08	1.68E-08	1.12E-10	2.79E-08
4027	740467.57	4110307.96	1.36E-07	2.29E-07	2.53E-09	3.68E-07	2.11E-08	3.76E-08	3.79E-10	5.91E-08	2.05E-08	3.23E-08	4.81E-10	5.34E-08	1.17E-08	1.78E-08	1.19E-10	2.96E-08
4028	740459.89	4110264.44	1.44E-07	2.42E-07	2.67E-09	3.89E-07	2.23E-08	3.97E-08	4.01E-10	6.24E-08	2.17E-08	3.42E-08	5.09E-10	5.64E-08	1.23E-08	1.89E-08	1.25E-10	3.13E-08
4029	740452.2	4110220.91	1.50E-07	2.52E-07	2.78E-09	4.05E-07	2.32E-08	4.14E-08	4.17E-10	6.50E-08	2.26E-08	3.56E-08	5.30E-10	5.87E-08	1.28E-08	1.96E-08	1.31E-10	3.26E-08
4030	740444.52	4110177.39	1.53E-07	2.57E-07	2.83E-09	4.13E-07	2.37E-08	4.22E-08	4.25E-10	6.63E-08	2.30E-08	3.63E-08	5.40E-10	5.99E-08	1.31E-08	2.00E-08	1.33E-10	3.32E-08
4031	740436.83	4110133.86	1.52E-07	2.56E-07	2.82E-09	4.11E-07	2.36E-08	4.20E-08	4.24E-10	6.60E-08	2.30E-08	3.61E-08	5.38E-10	5.96E-08	1.30E-08	1.99E-08	1.33E-10	3.31E-08
4032	740429.15	4110090.34	1.49E-07	2.50E-07	2.76E-09	4.01E-07	2.30E-08	4.10E-08	4.13E-10	6.44E-08	2.24E-08	3.53E-08	5.25E-10	5.82E-08	1.27E-08	1.95E-08	1.29E-10	3.23E-08
4033	740421.46	4110046.81	1.43E-07	2.40E-07	2.65E-09	3.85E-07	2.21E-08	3.94E-08	3.97E-10	6.19E-08	2.15E-08	3.39E-08	5.04E-10	5.59E-08	1.22E-08	1.87E-08	1.24E-10	3.10E-08
4034	740413.78	4110003.29	1.36E-07	2.28E-07	2.52E-09	3.66E-07	2.10E-08	3.74E-08	3.77E-10	5.88E-08	2.05E-08	3.22E-08	4.79E-10	5.31E-08	1.16E-08	1.78E-08	1.18E-10	2.95E-08
4035	740406.09	4109959.76	1.28E-07	2.16E-07	2.38E-09	3.47E-07	1.99E-08	3.54E-08	3.57E-10	5.57E-08	1.93E-08	3.05E-08	4.53E-10	5.03E-08	1.10E-08	1.68E-08	1.12E-10	2.79E-08
4036	740398.41	4109916.23	1.21E-07	2.04E-07	2.25E-09	3.28E-07	1.88E-08	3.35E-08	3.38E-10	5.27E-08	1.83E-08	2.88E-08	4.29E-10	4.76E-08	1.04E-08	1.59E-08	1.06E-10	2.64E-08
4037	740390.72	4109872.71	1.16E-07	1.95E-07	2.15E-09	3.13E-07	1.79E-08	3.19E-08	3.22E-10	5.02E-08	1.74E-08	2.75E-08	4.09E-10	4.53E-08	9.91E-09	1.51E-08	1.01E-10	2.52E-08
4038	740383.04	4109829.18	1.11E-07	1.87E-07	2.06E-09	3.01E-07	1.73E-08	3.07E-08	3.10E-10	4.83E-08	1.68E-08	2.64E-08	3.93E-10	4.36E-08	9.54E-09	1.46E-08	9.70E-11	2.42E-08
4039	740375.35	4109785.66	1.08E-07	1.82E-07	2.01E-09	2.93E-07	1.68E-08	2.99E-08	3.02E-10	4.70E-08	1.63E-08	2.57E-08	3.83E-10	4.25E-08	9.29E-09	1.42E-08	9.44E-11	2.36E-08
4040	740367.67	4109742.13	1.07E-07	1.79E-07	1.98E-09	2.88E-07	1.65E-08	2.94E-08	2.97E-10	4.62E-08	1.61E-08	2.53E-08	3.77E-10	4.18E-08	9.14E-09	1.40E-08	9.29E-11	2.32E-08
4041	740359.99	4109698.61	1.06E-07	1.78E-07	1.96E-09	2.85E-07	1.64E-08	2.91E-08	2.94E-10	4.58E-08	1.59E-08	2.51E-08	3.73E-10	4.14E-08	9.05E-09	1.38E-08	9.20E-11	2.30E-08
4042	740368.83	4109658.75	1.06E-07	1.79E-07	1.97E-09	2.87E-07	1.65E-08	2.93E-08	2.96E-10	4.61E-08	1.60E-08	2.52E-08	3.75E-10	4.16E-08	9.10E-09	1.39E-08	9.26E-11	2.31E-08
4043	740394.2	4109622.56	1.08E-07	1.82E-07	2.00E-09	2.92E-07	1.68E-08	2.98E-08	3.01E-10	4.69E-08	1.63E-08	2.57E-08	3.82E-10	4.23E-08	9.26E-09	1.42E-08	9.42E-11	2.35E-08
4044	740419.57	4109586.37	1.09E-07	1.83E-07	2.02E-09	2.94E-07	1.69E-08	3.00E-08	3.03E-10	4.72E-08	1.64E-08	2.58E-08	3.84E-10	4.26E-08	9.32E-09	1.42E-08	9.48E-11	2.37E-08

4045	740444.95	4109550.18	1.08E-07	1.82E-07	2.01E-09	2.92E-07	1.68E-08	2.98E-08	3.01E-10	4.69E-08	1.63E-08	2.57E-08	3.82E-10	4.24E-08	9.26E-09	1.42E-08	9.42E-11	2.35E-08
4046	740470.32	4109513.99	1.06E-07	1.78E-07	1.96E-09	2.86E-07	1.64E-08	2.92E-08	2.94E-10	4.59E-08	1.60E-08	2.51E-08	3.74E-10	4.15E-08	9.07E-09	1.39E-08	9.22E-11	2.30E-08
4047	740495.69	4109477.8	1.02E-07	1.72E-07	1.89E-09	2.76E-07	1.58E-08	2.82E-08	2.84E-10	4.43E-08	1.54E-08	2.42E-08	3.61E-10	4.00E-08	8.75E-09	1.34E-08	8.90E-11	2.22E-08
4048	740521.06	4109441.61	9.73E-08	1.64E-07	1.80E-09	2.63E-07	1.51E-08	2.68E-08	2.71E-10	4.22E-08	1.47E-08	2.31E-08	3.44E-10	3.81E-08	8.34E-09	1.27E-08	8.48E-11	2.12E-08
4049	740546.43	4109405.41	9.19E-08	1.55E-07	1.70E-09	2.48E-07	1.42E-08	2.53E-08	2.56E-10	3.98E-08	1.39E-08	2.18E-08	3.25E-10	3.60E-08	7.87E-09	1.20E-08	8.00E-11	2.00E-08
4050	740571.81	4109369.22	8.63E-08	1.45E-07	1.60E-09	2.33E-07	1.34E-08	2.38E-08	2.40E-10	3.74E-08	1.30E-08	2.05E-08	3.05E-10	3.38E-08	7.40E-09	1.13E-08	7.52E-11	1.88E-08
4051	740597.18	4109333.03	8.08E-08	1.36E-07	1.50E-09	2.18E-07	1.25E-08	2.23E-08	2.25E-10	3.50E-08	1.22E-08	1.92E-08	2.85E-10	3.16E-08	6.92E-09	1.06E-08	7.04E-11	1.76E-08
4052	740622.55	4109296.84	7.55E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.08E-08	2.10E-10	3.27E-08	1.14E-08	1.79E-08	2.67E-10	2.96E-08	6.47E-09	9.88E-09	6.58E-11	1.64E-08
4053	740647.92	4109260.65	7.05E-08	1.19E-07	1.31E-09	1.90E-07	1.09E-08	1.94E-08	1.96E-10	3.06E-08	1.06E-08	1.67E-08	2.49E-10	2.76E-08	6.04E-09	9.23E-09	6.14E-11	1.53E-08
4054	740673.29	4109224.46	6.58E-08	1.11E-07	1.22E-09	1.78E-07	1.02E-08	1.82E-08	1.83E-10	2.85E-08	9.92E-09	1.56E-08	2.32E-10	2.58E-08	5.64E-09	8.62E-09	5.73E-11	1.43E-08
4055	740698.67	4109188.27	6.16E-08	1.04E-07	1.14E-09	1.66E-07	9.55E-09	1.70E-08	1.71E-10	2.67E-08	9.29E-09	1.46E-08	2.18E-10	2.41E-08	5.28E-09	8.07E-09	5.37E-11	1.34E-08
4056	740724.04	4109152.08	5.80E-08	9.75E-08	1.08E-09	1.57E-07	8.99E-09	1.60E-08	1.61E-10	2.51E-08	8.74E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.59E-09	5.05E-11	1.26E-08
4057	740749.41	4109115.89	5.50E-08	9.26E-08	1.02E-09	1.49E-07	8.53E-09	1.52E-08	1.53E-10	2.39E-08	8.30E-09	1.31E-08	1.94E-10	2.16E-08	4.71E-09	7.20E-09	4.79E-11	1.20E-08
4058	740774.78	4109079.7	5.28E-08	8.89E-08	9.80E-10	1.43E-07	8.19E-09	1.46E-08	1.47E-10	2.29E-08	7.97E-09	1.25E-08	1.87E-10	2.07E-08	4.53E-09	6.92E-09	4.60E-11	1.15E-08
4059	740800.15	4109043.51	5.14E-08	8.65E-08	9.54E-10	1.39E-07	7.97E-09	1.42E-08	1.43E-10	2.23E-08	7.75E-09	1.22E-08	1.82E-10	2.01E-08	4.41E-09	6.73E-09	4.48E-11	1.12E-08
4060	740825.53	4109007.32	5.07E-08	8.54E-08	9.41E-10	1.37E-07	7.87E-09	1.40E-08	1.41E-10	2.20E-08	7.65E-09	1.20E-08	1.79E-10	1.99E-08	4.35E-09	6.64E-09	4.42E-11	1.10E-08
4061	740850.9	4108971.13	5.06E-08	8.52E-08	9.39E-10	1.37E-07	7.85E-09	1.40E-08	1.41E-10	2.20E-08	7.63E-09	1.20E-08	1.79E-10	1.98E-08	4.34E-09	6.63E-09	4.41E-11	1.10E-08
4062	740876.27	4108934.93	5.09E-08	8.56E-08	9.43E-10	1.37E-07	7.89E-09	1.40E-08	1.42E-10	2.21E-08	7.67E-09	1.21E-08	1.80E-10	1.99E-08	4.36E-09	6.66E-09	4.43E-11	1.11E-08
4063	740901.64	4108898.74	5.12E-08	8.62E-08	9.50E-10	1.38E-07	7.94E-09	1.41E-08	1.42E-10	2.22E-08	7.72E-09	1.22E-08	1.81E-10	2.01E-08	4.39E-09	6.71E-09	4.46E-11	1.11E-08
4064	740927.02	4108862.55	5.14E-08	8.65E-08	9.54E-10	1.39E-07	7.97E-09	1.42E-08	1.43E-10	2.23E-08	7.75E-09	1.22E-08	1.82E-10	2.01E-08	4.41E-09	6.73E-09	4.48E-11	1.12E-08
4065	740952.39	4108826.36	5.13E-08	8.63E-08	9.51E-10	1.39E-07	7.95E-09	1.41E-08	1.43E-10	2.22E-08	7.73E-09	1.22E-08	1.81E-10	2.01E-08	4.39E-09	6.71E-09	4.47E-11	1.12E-08
4066	740977.76	4108790.17	5.07E-08	8.53E-08	9.40E-10	1.37E-07	7.86E-09	1.40E-08	1.41E-10	2.20E-08	7.64E-09	1.20E-08	1.79E-10	1.98E-08	4.34E-09	6.63E-09	4.41E-11	1.10E-08
4067	740568.06	4110827.49	1.07E-07	1.80E-07	1.98E-09	2.89E-07	1.66E-08	2.95E-08	2.97E-10	4.64E-08	1.61E-08	2.54E-08	3.78E-10	4.19E-08	9.16E-09	1.40E-08	9.32E-11	2.33E-08
4068	740580.18	4110846.48	1.08E-07	1.81E-07	2.00E-09	2.91E-07	1.67E-08	2.97E-08	2.99E-10	4.67E-08	1.62E-08	2.56E-08	3.80E-10	4.22E-08	9.22E-09	1.41E-08	9.38E-11	2.34E-08
4069	740592.29	4110865.47	1.08E-07	1.82E-07	2.01E-09	2.93E-07	1.68E-08	2.99E-08	3.01E-10	4.70E-08	1.63E-08	2.57E-08	3.83E-10	4.24E-08	9.28E-09	1.42E-08	9.43E-11	2.36E-08
4070	740604.4	4110884.46	1.09E-07	1.83E-07	2.02E-09	2.94E-07	1.69E-08	3.00E-08	3.03E-10	4.72E-08	1.64E-08	2.58E-08	3.85E-10	4.26E-08	9.33E-09	1.43E-08	9.48E-11	2.37E-08
4071	740616.52	4110903.44	1.09E-07	1.84E-07	2.03E-09	2.95E-07	1.70E-08	3.02E-08	3.04E-10	4.74E-08	1.65E-08	2.60E-08	3.86E-10	4.28E-08	9.37E-09	1.43E-08	9.52E-11	2.38E-08
4072	740628.63	4110922.43	1.10E-07	1.84E-07	2.03E-09	2.96E-07	1.70E-08	3.02E-08	3.05E-10	4.75E-08	1.65E-08	2.60E-08	3.87E-10	4.29E-08	9.39E-09	1.44E-08	9.55E-11	2.38E-08
4073	740640.74	4110941.42	1.10E-07	1.85E-07	2.04E-09	2.96E-07	1.70E-08	3.03E-08	3.05E-10	4.76E-08	1.65E-08	2.60E-08	3.88E-10	4.30E-08	9.40E-09	1.44E-08	9.56E-11	2.39E-08
4074	740652.86	4110960.41	1.10E-07	1.84E-07	2.03E-09	2.96E-07	1.70E-08	3.02E-08	3.05E-10	4.75E-08	1.65E-08	2.60E-08	3.87E-10	4.29E-08	9.39E-09	1.44E-08	9.55E-11	2.38E-08
4075	740664.97	4110979.39	1.09E-07	1.84E-07	2.03E-09	2.95E-07	1.69E-08	3.01E-08	3.04E-10	4.74E-08	1.65E-08	2.59E-08	3.86E-10	4.28E-08	9.36E-09	1.43E-08	9.51E-11	2.38E-08
4076	740214.83	4111001.58	7.65E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.11E-08	2.13E-10	3.32E-08	1.15E-08	1.82E-08	2.70E-10	3.00E-08	6.55E-09	1.00E-08	6.66E-11	1.66E-08
4077	740207.05	4110957.48	7.66E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.11E-08	2.13E-10	3.32E-08	1.16E-08	1.82E-08	2.71E-10	3.00E-08	6.57E-09	1.00E-08	6.68E-11	1.67E-08
4078	740199.26	4110913.37	7.68E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.12E-08	2.14E-10	3.33E-08	1.16E-08	1.82E-08	2.71E-10	3.01E-08	6.58E-09	1.01E-08	6.69E-11	1.67E-08
4079	740191.47	4110869.27	7.70E-08	1.30E-07	1.43E-09	2.08E-07	1.19E-08	2.12E-08	2.14E-10	3.34E-08	1.16E-08	1.83E-08	2.72E-10	3.01E-08	6.59E-09	1.01E-08	6.70E-11	1.67E-08
4080	740183.69	4110825.16	7.73E-08	1.30E-07	1.43E-09	2.09E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.17E-08	1.84E-08	2.73E-10	3.03E-08	6.63E-09	1.01E-08	6.74E-11	1.68E-08
4081	740179.79	4110803.11	7.76E-08	1.31E-07	1.44E-09	2.10E-07	1.20E-08	2.14E-08	2.16E-10	3.37E-08	1.17E-08	1.84E-08	2.74E-10	3.04E-08	6.65E-09	1.02E-08	6.76E-11	1.69E-08
4082	740172	4110759	7.83E-08	1.32E-07	1.45E-09	2.12E-07	1.22E-08	2.16E-08	2.18E-10	3.40E-08	1.18E-08	1.86E-08	2.77E-10	3.07E-08	6.71E-09	1.03E-08	6.83E-11	1.70E-08
4083	740164.22	4110714.9	7.92E-08	1.33E-07	1.47E-09	2.14E-07	1.23E-08	2.19E-08	2.20E-10	3.44E-08	1.19E-08	1.88E-08	2.80E-10	3.10E-08	6.79E-09	1.04E-08	6.90E-11	1.72E-08
4084	740160.32	4110692.84	7.97E-08	1.34E-07	1.48E-09	2.15E-07	1.24E-08	2.20E-08	2.22E-10	3.46E-08	1.20E-08	1.89E-08	2.82E-10	3.12E-08	6.83E-09	1.04E-08	6.94E-11	1.73E-08
4085	740152.54	4110648.74	8.06E-08	1.36E-07	1.49E-09	2.18E-07	1.25E-08	2.22E-08	2.24E-10	3.49E-08	1.21E-08	1.91E-08	2.85E-10	3.16E-08	6.90E-09	1.05E-08	7.02E-11	1.75E-08
4086	740144.75	4110604.63	8.15E-08	1.37E-07	1.51E-09	2.20E-07	1.26E-08	2.25E-08	2.27E-10	3.53E-08	1.23E-08	1.93E-08	2.88E-10	3.19E-08	6.98E-09	1.07E-08	7.10E-11	1.77E-08
4087	740140.85	4110582.58	8.20E-08	1.38E-07	1.52E-09	2.22E-07	1.27E-08	2.26E-08	2.28E-10	3.56E-08	1.24E-08	1.95E-08	2.90E-10	3.21E-08	7.03E-09	1.07E-08	7.15E-11	1.78E-08
4088	740133.07	4110538.47	8.36E-08	1.41E-07	1.55E-09	2.26E-07	1.30E-08	2.31E-08	2.33E-10	3.63E-08	1.26E-08	1.99E-08	2.95E-10	3.28E-08	7.17E-09	1.10E-08	7.29E-11	1.82E-08
4089	740125.28	4110494.37	8.63E-08	1.45E-07	1.60E-09	2.33E-07	1.34E-08	2.38E-08	2.40E-10	3.74E-08	1.30E-08	2.05E-08	3.05E-10	3.38E-08	7.39E-09	1.13E-08	7.51E-11	1.88E-08
4090	740117.49	4110450.26	9.01E-08	1.52E-07	1.67E-09	2.43E-07	1.40E-08	2.49E-08	2.51E-10	3.91E-08	1.36E-08	2.14E-08	3.18E-10	3.53E-08	7.72E-09	1.18E-08	7.85E-11	1.96E-08
4091	740109.71	4110406.16	9.50E-08	1.60E-07	1.76E-09	2.57E-07	1.47E-08	2.62E-08	2.64E-10	4.12E-08	1.43E-08	2.26E-08	3.36E-10	3.72E-08	8.14E-09	1.24E-08	8.28E-11	2.07E-08
4092	740105.81	4110384.1	9.77E-08	1.64E-07	1.81E-09	2.64E-07	1.52E-08	2.70E-08	2.72E-10	4.24E-08	1.47E-08	2.32E-08	3.45E-10	3.83E-08	8.37E-09	1.28E-08	8.51E-11	2.13E-08
4093	740098.02	4110340	1.03E-07	1.73E-07	1.91E-09	2.78E-07	1.60E-08	2.84E-08	2.87E-10	4.47E-08	1.55E-08	2.45E-08	3.64E-10	4.04E-08	8.83E-09	1.35E-08	8.98E-11	2.24E-08
4094	740090.24	4110295.89	1.08E-07	1.81E-07	2.00E-09	2.91E-07	1.67E-08	2.97E-08	3.00E-10	4.67E-08	1.62E-08	2.56E-08	3.80E-10	4.22E-08	9.23E-09	1.41E-08	9.38E-11	2.34E-08
4095	740086.34	4110273.84	1.09E-07	1.84E-07	2.03E-09	2.96E-07	1.70E-08	3.02E-08	3.04E-10	4.75E-08	1.65E-08	2.60E-08	3.87E-10	4.29E-08	9.38E-09	1.43E-08	9.53E-11	2.38E-08
4096	740078.56	4110229.73	1.12E-07	1.88E-07	2.07E-09	3.01E-07	1.73E-08	3.08E-08	3.10E-10	4.84E-08	1.68E-08	2.65E-08	3.94E-10	4.37E-08	9.56E-09	1.46E-08	9.72E-11	2.43E-08
4097	740070.77	4110185.63	1.12E-07	1.88E-07	2.07E-09	3.02E-07	1.73E-08	3.08E-08	3.11E-10	4.84E-08	1.68E-08	2.65E-08	3.94E-10	4.37E-08	9.57E-09	1.46E-08	9.73E-11	2.43E-08
4098	740066.87	4110163.58	1.11E-07	1.87E-07	2.06E-09	3.00E-07	1.72E-08	3.06E-08	3.09E-10	4.81E-08	1.67E-08	2.63E-08	3.92E-10	4.35E-08	9.51E-09	1.45E-08	9.67E-11	2.41E-08
4099	740059.09	4110119.47	1.08E-07	1.82E-07	2.01E-09	2.93E-07	1.68E-08	2.99E-08	3.02E-10	4.70E-08	1.63E-08	2.57E-08	3.83E-10	4.25E-08	9.29E-09	1.42E-08	9.44E-11	2.36E-08
4100	740051.3	4110075.36	1.05E-07	1.76E-07	1.94E-09	2.83E-07	1.62E-08	2.89E-08	2.91E-10	4.54E-08	1.58E-08	2.48E-08	3.70E-10	4.10E-08	8.97E-09	1.37E-08	9.12E-11	2.28E-08
4101	740043.51	4110031.26	1.00E-07	1.69E-07	1.86E-09	2.71E-07	1.55E-08	2.77E-08	2.79E-10	4.35E-08	1.51E-08	2.38E-08	3.54E-10	3.93E-08	8.59E-09	1.31E-08	8.74E-11	2.18E-08
4102	740035.73	4109987.15	9.56E-08	1.61E-07	1.77E-09	2.58E-07	1.48E-08	2.64E-08	2.66E-10	4.15E-08	1.44E-08	2.27E-08	3.38E-10	3.75E-08	8.19E-09	1.25E-08	8.33E-11	2.08E-08
4103	740031.83	4109965.1	9.33E-08	1.57E-07	1.73E-09	2.52E-07	1.45E-08	2.57E-08	2.60E-10	4.05E-08	1.41E-08	2.21E-08	3.30E-10	3.65E-08	7.99E-09	1.22E-08	8.13E-11	2.03E-08
4104	740024.04	4109920.99	8.88E-08	1.49E-07	1.65E-09	2.40E-07	1.38E-08	2.45E-08	2.47E-10	3.85E-08	1.34E-08	2.11E-08	3.14E-10	3.48E-08	7.61E-09	1.16E-08	7.74E-11	1.93E-08
4105	740016.26	4109876.89	8.48E-08	1.43E-07	1.57E-09	2.29E-07	1.31E-08	2.34E-08	2.36E-10	3.68E-08	1.28E-08	2.01E-08	2.99E-10	3.32E-08	7.26E-09	1.11E-08	7.39E-11	1.84E-08
4106	740012.36	4109854.84	8.30E-08	1.40E-07	1.54E-09	2.24E-07	1.29E-08	2.29E-08	2.31E-10	3.60E-08	1.25E-08	1.97E-08	2.93E-10	3.25E-08	7.11E-09	1.09E-08	7.23E-11	1.80E-08
4107	740004.58	4109810.73	8.00E-08	1.35E-07	1.48E-09	2.16E-07	1.24E-08	2.21E-08	2.23E-10	3.47E-08	1.21E-08	1.90E-08	2.83E-10	3.13E-08	6.86E-09	1.05E-08	6.97E-11	1.74E-08
4108	739996.79	4109766.62	7.79E-08	1.31E-07	1.45E-09	2.10E-07	1.21E-08	2.15E-08	2.17E-10	3.38E-08	1.17E-08	1.85E-08	2.75E-10	3.05E-08	6.68E-09	1.02E-08	6.79E-11	1.69E-08
4109	739989	4109722.52	7.66E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.11E-08	2.13E-10	3.32E-08	1.16E-08	1.82E-08	2.71E-10	3.00E-08	6.56E-09	1.00E-08	6.67E-11	1.67E-08
4110	739981.21	4109678.41	7.60E-08	1.28E-07	1.41E-09	2.05E-07	1.18E-08	2.10E-08	2.11E-10	3.30E-08	1.15E-08	1.80E-08	2.68E-10	2.98E-08	6.51E-09	9.95E-09	6.62E-11	1.65E-08
4111	739977.32	4109656.36	7.58E-08	1.28E-07	1.41E-09	2.05E-07	1.18E-08	2.09E-08	2.11E-10	3.29E-08	1.14E-08	1.80E-08	2.68E-10	2.97E-08	6.50E-09	9.93E-09	6.61E-11	1.65E-08
4112	739969.53	4109612.25	7.57E-08	1.27E-07	1.40E-09	2.05E-07	1.17E-08	2.09E-08	2.11E-10	3.28E-08	1.14E-08	1.80E-08	2.68E-10	2.97E-08	6.49E-09	9.92E-09	6.60E-11	1.65E-08
4113	739978.49	4109571.86	7.65E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.11E-08	2.13E-10	3.32E-08	1.15E-08	1.82E-08	2.70E-10	3.00E-08	6.56E-09	1.00E-08	6.67E-11	1.66E-08
4114	740004.2	4109535.19	7.80E-08	1.31E-07	1.45E-09	2.11E-07	1.21E-08	2.15E-08	2.17E-10	3.38E-08	1.18E-08	1.85E-08	2.76E-10	3.06E-08	6.68E-09	1.02E-08	6.80E-11	1.70E-08
4115	740017.06	4109516.85	7.85E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.18E-10	3.41E-08	1.18E-08	1.86E-08	2.77E-10	3.08E-08	6.73E-09	1.03E-08	6.84E-11	1.71E-08
4116	740042.77	4109480.18	7.90E-08	1.33E-07	1.47E-09	2.13E-07	1.22E-08	2.18E-08	2.20E-10	3.43E-08	1.19E-08	1.88E-08	2.79E-10	3.09E-08	6.77E-09	1.03E-08	6.88E-11	1.72E-08
4117	740055.63	4109461.84	7.89E-08	1.33E-07	1.46E-09	2.13E-07	1.22E-08	2.18E-08	2.19E-10	3.42E-08	1.19E-08	1.87E-08	2.79E-10	3.09E-08	6.76E-09	1.03E-08	6.87E-11	1.72E-08
4118	740081.34	4109425.17	7.80E-08	1.31E-07	1.45E-09	2.11E-07	1.21E-08	2.15E-08	2.17E-10	3.38E-08	1.18E-08	1.85E-08	2.76E-10	3.06E-08	6.68E-09	1.02E-08	6.79E-11	1.70E-08
4119	740094.19	4109406.83	7.72E-08	1.30E-07	1.43E-09	2.09E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.16E-08	1.83E-08	2.73E-10	3.02E-08	6.61E-09	1.01E-08	6.72E-11	1.68E-08
4120	740119.9	4109370.16	7.49E-08	1.26E-07	1.39E-09	2.02E-07	1.16E-08	2.07E-08	2.08E-10	3.25E-08	1.13E-08	1.78E-08	2.65E-10	2.93E-08	6.42E-09	9.81E-09	6.53E-11	1.63E-08
4121	740132.76	4109351.82	7.35E-08	1.24E-07	1.36E-09	1.99E-07	1.14E-08	2.03E-08	2.05E-10	3.19E-08	1.11E-08	1.75E-08	2.60E-10	2.88E-08	6.30E-09	9.63E-09	6.40E-11	1.60E-08
4122	740158.47	4109315.15	7.03E-08	1.18E-07	1.30E-09	1.90E-07	1.09E-08	1.94E-08	1.96E-10	3.05E-08	1.06E-08	1.67E-08	2.48E-10	2.75E-08	6.02E-09	9.20E-09	6.12E-11	1.53E-08
4123	740171.32	4109296.81	6.85E-08	1.15E-07	1.27E-09	1.85E-07	1.06E-08	1.89E-08	1.91E-10	2.97E-08	1.03E-08	1.63E-08	2.42E-10	2.68E-08	5.87E-09	8.97E-09	5.97E-11	1.49E-08
4124	740197.03	4109260.14	6.49E-08	1.09E-07	1.20E-09	1.75E-07	1.01E-08	1.79E-08	1.81E-10	2.82E-08	9.79E-09	1.54E-08	2.29E-10	2.54E-08	5.56E-09	8.50E-09	5.66E-11	1.41E-08
4125	740209.89	4109241.8	6.31E-08	1.06E-07	1.17E-09	1.70E-07	9.79E-09	1.74E-08	1.76E-10	2.74E-08	9.52E-09	1.50E-08	2.23E-10	2.47E-08	5.41E-09	8.26E-09	5.50E-11	1.37E-08
4126	740235.6	4109205.13	5.96E-08	1.00E-07	1.11E-09	1.61E-07	9.25E-09	1.65E-08	1.66E-10	2.59E-08	8.99E-09	1.42E-08	2.11E-10	2.34E-08	5.11E-09	7.81E-09	5.20E-11	1.30E-08
4127	740248.45	4109186.79	5.80E-08	9.76E-08	1.08E-09	1.57E-07	8.99E-09	1.60E-08	1.61E-10	2.52E-08	8.75E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.59E-09	5.05E-11	1.26E-08
4128	740274.16	4109150.12	5.49E-08	9.23E-08	1.02E-09	1.48E-07	8.51E-09	1.51E-08	1.53E-10	2.38E-08	8.27E-09	1.30E-08	1.94E-10	2.15E-08	4.70E-09	7.18E-09	4.78E-11	1.19E-08
4129	740299.87	4109113.45	5.19E-08	8.74E-08	9.63E-10	1.40E-07	8.06E-09	1.43E-08	1.45E-10	2.25E-08	7.83E-09	1.23E-08	1.83E-10	2.03E-08	4.45E-09	6.80E-09	4.53E-11	1.13E-08
4130	740312.73	4109095.11	5.05E-08	8.50E-08	9.37E-10	1.37E-07	7.84E-09	1.39E-08	1.41E-10	2.19E-08	7.62E-09	1.20E-08	1.79E-10	1.98E-08	4.33E-09	6.62E-09	4.40E-11	1.10E-08
4131	740338.44	4109058.44	4.78E-08	8.05E-08	8.87E-10	1.29E-07	7.42E-09	1.32E-08	1.33E-10	2.07E-08	7.21E-09	1.14E-08	1.69E-10	1.87E-08	4.10E-09	6.26E-09	4.17E-11	1.04E-08
4132	740351.3	4109040.1	4.65E-08	7.83E-08	8.63E-10	1.26E-07	7.21E-09	1.28E-08	1.29E-10	2.02E-08	7.01E-09	1.10E-08	1.64E-10	1.82E-08	3.99E-09	6.09E-09	4.05E-11	1.01E-08

4133	740377.01	4109003.43	4.40E-08	7.40E-08	8.16E-10	1.19E-07	6.82E-09	1.21E-08	1.22E-10	1.91E-08	6.63E-09	1.04E-08	1.55E-10	1.72E-08	3.77E-09	5.76E-09	3.83E-11	9.56E-09
4134	740389.86	4108985.09	4.28E-08	7.19E-08	7.93E-10	1.15E-07	6.63E-09	1.18E-08	1.19E-10	1.85E-08	6.45E-09	1.01E-08	1.51E-10	1.67E-08	3.66E-09	5.60E-09	3.72E-11	9.30E-09
4135	740415.57	4108948.42	4.05E-08	6.81E-08	7.50E-10	1.09E-07	6.27E-09	1.12E-08	1.13E-10	1.75E-08	6.10E-09	9.60E-09	1.43E-10	1.58E-08	3.47E-09	5.30E-09	3.52E-11	8.80E-09
4136	740428.43	4108930.08	3.94E-08	6.63E-08	7.31E-10	1.06E-07	6.11E-09	1.09E-08	1.10E-10	1.71E-08	5.94E-09	9.36E-09	1.39E-10	1.54E-08	3.38E-09	5.16E-09	3.43E-11	8.57E-09
4137	740454.14	4108893.41	3.76E-08	6.33E-08	6.98E-10	1.02E-07	5.84E-09	1.04E-08	1.05E-10	1.63E-08	5.68E-09	8.93E-09	1.33E-10	1.47E-08	3.22E-09	4.93E-09	3.28E-11	8.19E-09
4138	740466.99	4108875.07	3.69E-08	6.21E-08	6.85E-10	9.97E-08	5.73E-09	1.02E-08	1.03E-10	1.60E-08	5.57E-09	8.76E-09	1.30E-10	1.45E-08	3.16E-09	4.83E-09	3.22E-11	8.03E-09
4139	740492.7	4108838.4	3.59E-08	6.03E-08	6.65E-10	9.68E-08	5.56E-09	9.89E-09	9.97E-11	1.56E-08	5.41E-09	8.51E-09	1.27E-10	1.40E-08	3.07E-09	4.69E-09	3.12E-11	7.80E-09
4140	740505.56	4108820.06	3.55E-08	5.98E-08	6.59E-10	9.59E-08	5.51E-09	9.80E-09	9.88E-11	1.54E-08	5.36E-09	8.43E-09	1.25E-10	1.39E-08	3.04E-09	4.65E-09	3.09E-11	7.72E-09
4141	740531.27	4108783.39	3.52E-08	5.92E-08	6.53E-10	9.50E-08	5.46E-09	9.71E-09	9.79E-11	1.53E-08	5.31E-09	8.35E-09	1.24E-10	1.38E-08	3.01E-09	4.61E-09	3.07E-11	7.65E-09
4142	740544.12	4108765.05	3.52E-08	5.92E-08	6.53E-10	9.50E-08	5.46E-09	9.71E-09	9.79E-11	1.53E-08	5.31E-09	8.35E-09	1.24E-10	1.38E-08	3.01E-09	4.61E-09	3.07E-11	7.65E-09
4143	740569.83	4108728.38	3.54E-08	5.96E-08	6.57E-10	9.57E-08	5.49E-09	9.77E-09	9.85E-11	1.54E-08	5.34E-09	8.41E-09	1.25E-10	1.39E-08	3.03E-09	4.64E-09	3.09E-11	7.70E-09
4144	740582.69	4108710.04	3.56E-08	5.99E-08	6.60E-10	9.62E-08	5.52E-09	9.82E-09	9.91E-11	1.54E-08	5.37E-09	8.45E-09	1.26E-10	1.39E-08	3.05E-09	4.66E-09	3.10E-11	7.74E-09
4145	740608.4	4108673.37	3.61E-08	6.07E-08	6.69E-10	9.75E-08	5.59E-09	9.95E-09	1.00E-10	1.56E-08	5.44E-09	8.56E-09	1.27E-10	1.41E-08	3.09E-09	4.72E-09	3.14E-11	7.85E-09
4146	740634.11	4108636.7	3.65E-08	6.15E-08	6.78E-10	9.87E-08	5.67E-09	1.01E-08	1.02E-10	1.58E-08	5.51E-09	8.67E-09	1.29E-10	1.43E-08	3.13E-09	4.78E-09	3.18E-11	7.95E-09
4147	740646.97	4108618.36	3.68E-08	6.18E-08	6.82E-10	9.93E-08	5.70E-09	1.01E-08	1.02E-10	1.59E-08	5.54E-09	8.72E-09	1.30E-10	1.44E-08	3.15E-09	4.81E-09	3.20E-11	7.99E-09
4148	740672.68	4108581.69	3.70E-08	6.23E-08	6.86E-10	1.00E-07	5.74E-09	1.02E-08	1.03E-10	1.61E-08	5.58E-09	8.78E-09	1.31E-10	1.45E-08	3.17E-09	4.85E-09	3.22E-11	8.05E-09
4149	740685.53	4108563.35	3.70E-08	6.23E-08	6.87E-10	1.00E-07	5.74E-09	1.02E-08	1.03E-10	1.61E-08	5.59E-09	8.79E-09	1.31E-10	1.45E-08	3.17E-09	4.85E-09	3.23E-11	8.06E-09
4150	740711.24	4108526.68	3.69E-08	6.21E-08	6.85E-10	9.97E-08	5.72E-09	1.02E-08	1.03E-10	1.60E-08	5.57E-09	8.76E-09	1.30E-10	1.45E-08	3.16E-09	4.83E-09	3.22E-11	8.03E-09
4151	740724.1	4108508.34	3.67E-08	6.18E-08	6.81E-10	9.92E-08	5.70E-09	1.01E-08	1.02E-10	1.59E-08	5.54E-09	8.72E-09	1.30E-10	1.44E-08	3.15E-09	4.81E-09	3.20E-11	7.99E-09
4152	740749.81	4108471.67	3.62E-08	6.08E-08	6.71E-10	9.77E-08	5.61E-09	9.97E-09	1.01E-10	1.57E-08	5.45E-09	8.58E-09	1.28E-10	1.42E-08	3.10E-09	4.73E-09	3.15E-11	7.86E-09
4153	740762.66	4108453.33	3.58E-08	6.02E-08	6.63E-10	9.66E-08	5.55E-09	9.87E-09	9.95E-11	1.55E-08	5.39E-09	8.49E-09	1.26E-10	1.40E-08	3.06E-09	4.68E-09	3.12E-11	7.78E-09
4154	740788.37	4108416.66	3.48E-08	5.85E-08	6.45E-10	9.39E-08	5.39E-09	9.59E-09	9.67E-11	1.51E-08	5.24E-09	8.26E-09	1.23E-10	1.36E-08	2.98E-09	4.55E-09	3.03E-11	7.56E-09
4155	740218.73	4111023.64	7.64E-08	1.29E-07	1.42E-09	2.06E-07	1.18E-08	2.11E-08	2.13E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.54E-09	1.00E-08	6.65E-11	1.66E-08
4156	740242.95	4111061.61	7.71E-08	1.30E-07	1.43E-09	2.08E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.16E-08	1.83E-08	2.73E-10	3.02E-08	6.61E-09	1.01E-08	6.72E-11	1.68E-08
4157	740255.07	4111080.6	7.75E-08	1.30E-07	1.44E-09	2.09E-07	1.20E-08	2.14E-08	2.16E-10	3.36E-08	1.17E-08	1.84E-08	2.74E-10	3.04E-08	6.64E-09	1.01E-08	6.75E-11	1.69E-08
4158	740267.18	4111099.59	7.78E-08	1.31E-07	1.44E-09	2.10E-07	1.21E-08	2.15E-08	2.17E-10	3.38E-08	1.17E-08	1.85E-08	2.75E-10	3.05E-08	6.67E-09	1.02E-08	6.78E-11	1.69E-08
4159	740279.29	4111118.58	7.81E-08	1.31E-07	1.45E-09	2.11E-07	1.21E-08	2.16E-08	2.17E-10	3.39E-08	1.18E-08	1.85E-08	2.76E-10	3.06E-08	6.69E-09	1.02E-08	6.81E-11	1.70E-08
4160	740291.41	4111137.56	7.84E-08	1.32E-07	1.45E-09	2.12E-07	1.22E-08	2.16E-08	2.18E-10	3.40E-08	1.18E-08	1.86E-08	2.77E-10	3.07E-08	6.71E-09	1.03E-08	6.83E-11	1.70E-08
4161	740303.52	4111156.55	7.85E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.18E-10	3.41E-08	1.18E-08	1.86E-08	2.77E-10	3.08E-08	6.73E-09	1.03E-08	6.84E-11	1.71E-08
4162	740315.63	4111175.54	7.86E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.19E-10	3.41E-08	1.18E-08	1.86E-08	2.77E-10	3.08E-08	6.73E-09	1.03E-08	6.84E-11	1.71E-08
4163	740327.75	4111194.53	7.85E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.18E-10	3.40E-08	1.18E-08	1.86E-08	2.77E-10	3.07E-08	6.73E-09	1.03E-08	6.84E-11	1.71E-08
4164	739877.63	4111216.8	5.86E-08	9.86E-08	1.09E-09	1.58E-07	9.08E-09	1.62E-08	1.63E-10	2.54E-08	8.83E-09	1.39E-08	2.07E-10	2.29E-08	5.02E-09	7.67E-09	5.10E-11	1.27E-08
4165	739869.87	4111172.87	5.87E-08	9.89E-08	1.09E-09	1.59E-07	9.11E-09	1.62E-08	1.63E-10	2.55E-08	8.86E-09	1.39E-08	2.08E-10	2.30E-08	5.03E-09	7.69E-09	5.12E-11	1.28E-08
4166	739862.12	4111128.94	5.89E-08	9.90E-08	1.09E-09	1.59E-07	9.13E-09	1.62E-08	1.64E-10	2.55E-08	8.88E-09	1.40E-08	2.08E-10	2.31E-08	5.04E-09	7.71E-09	5.13E-11	1.28E-08
4167	739854.36	4111085.02	5.89E-08	9.91E-08	1.09E-09	1.59E-07	9.14E-09	1.63E-08	1.64E-10	2.56E-08	8.88E-09	1.40E-08	2.08E-10	2.31E-08	5.05E-09	7.71E-09	5.13E-11	1.28E-08
4168	739846.6	4111041.09	5.90E-08	9.93E-08	1.09E-09	1.59E-07	9.15E-09	1.63E-08	1.64E-10	2.56E-08	8.89E-09	1.40E-08	2.08E-10	2.31E-08	5.05E-09	7.72E-09	5.14E-11	1.28E-08
4169	739838.85	4110997.16	5.91E-08	9.95E-08	1.10E-09	1.60E-07	9.17E-09	1.63E-08	1.65E-10	2.57E-08	8.92E-09	1.40E-08	2.09E-10	2.32E-08	5.07E-09	7.75E-09	5.15E-11	1.29E-08
4170	739831.09	4110953.23	5.95E-08	1.00E-07	1.10E-09	1.61E-07	9.22E-09	1.64E-08	1.65E-10	2.58E-08	8.97E-09	1.41E-08	2.10E-10	2.33E-08	5.10E-09	7.79E-09	5.18E-11	1.29E-08
4171	739823.34	4110909.3	6.00E-08	1.01E-07	1.11E-09	1.62E-07	9.30E-09	1.65E-08	1.67E-10	2.60E-08	9.04E-09	1.42E-08	2.12E-10	2.35E-08	5.14E-09	7.85E-09	5.22E-11	1.30E-08
4172	739815.58	4110865.37	6.06E-08	1.02E-07	1.12E-09	1.64E-07	9.39E-09	1.67E-08	1.69E-10	2.63E-08	9.13E-09	1.44E-08	2.14E-10	2.37E-08	5.19E-09	7.93E-09	5.28E-11	1.32E-08
4173	739807.82	4110821.44	6.12E-08	1.03E-07	1.13E-09	1.65E-07	9.49E-09	1.69E-08	1.70E-10	2.65E-08	9.23E-09	1.45E-08	2.16E-10	2.40E-08	5.24E-09	8.01E-09	5.33E-11	1.33E-08
4174	739800.07	4110777.51	6.17E-08	1.04E-07	1.14E-09	1.67E-07	9.57E-09	1.70E-08	1.72E-10	2.68E-08	9.31E-09	1.47E-08	2.18E-10	2.42E-08	5.29E-09	8.08E-09	5.38E-11	1.34E-08
4175	739792.31	4110733.58	6.22E-08	1.05E-07	1.15E-09	1.68E-07	9.64E-09	1.72E-08	1.73E-10	2.70E-08	9.38E-09	1.48E-08	2.20E-10	2.44E-08	5.33E-09	8.14E-09	5.42E-11	1.35E-08
4176	739784.55	4110689.65	6.27E-08	1.06E-07	1.16E-09	1.69E-07	9.73E-09	1.73E-08	1.75E-10	2.72E-08	9.46E-09	1.49E-08	2.22E-10	2.46E-08	5.37E-09	8.21E-09	5.46E-11	1.36E-08
4177	739776.8	4110645.72	6.36E-08	1.07E-07	1.18E-09	1.72E-07	9.86E-09	1.75E-08	1.77E-10	2.76E-08	9.59E-09	1.51E-08	2.25E-10	2.49E-08	5.45E-09	8.33E-09	5.54E-11	1.38E-08
4178	739769.04	4110601.79	6.50E-08	1.09E-07	1.21E-09	1.76E-07	1.01E-08	1.79E-08	1.81E-10	2.82E-08	9.81E-09	1.54E-08	2.30E-10	2.55E-08	5.57E-09	8.51E-09	5.66E-11	1.41E-08
4179	739761.29	4110557.86	6.72E-08	1.13E-07	1.25E-09	1.82E-07	1.04E-08	1.85E-08	1.87E-10	2.92E-08	1.01E-08	1.60E-08	2.37E-10	2.63E-08	5.76E-09	8.80E-09	5.86E-11	1.46E-08
4180	739753.53	4110513.93	7.01E-08	1.18E-07	1.30E-09	1.89E-07	1.09E-08	1.93E-08	1.95E-10	3.04E-08	1.06E-08	1.66E-08	2.48E-10	2.75E-08	6.01E-09	9.18E-09	6.11E-11	1.53E-08
4181	739745.77	4110470	7.37E-08	1.24E-07	1.37E-09	1.99E-07	1.14E-08	2.03E-08	2.05E-10	3.19E-08	1.11E-08	1.75E-08	2.60E-10	2.89E-08	6.31E-09	9.64E-09	6.42E-11	1.60E-08
4182	739738.02	4110426.07	7.74E-08	1.30E-07	1.44E-09	2.09E-07	1.20E-08	2.14E-08	2.15E-10	3.36E-08	1.17E-08	1.84E-08	2.74E-10	3.03E-08	6.64E-09	1.01E-08	6.75E-11	1.68E-08
4183	739730.26	4110382.14	8.11E-08	1.36E-07	1.50E-09	2.19E-07	1.26E-08	2.24E-08	2.26E-10	3.52E-08	1.22E-08	1.92E-08	2.86E-10	3.18E-08	6.95E-09	1.06E-08	7.06E-11	1.76E-08
4184	739722.5	4110338.22	8.39E-08	1.41E-07	1.56E-09	2.27E-07	1.30E-08	2.32E-08	2.34E-10	3.64E-08	1.27E-08	1.99E-08	2.97E-10	3.29E-08	7.19E-09	1.10E-08	7.31E-11	1.83E-08
4185	739714.75	4110294.29	8.58E-08	1.44E-07	1.59E-09	2.32E-07	1.33E-08	2.37E-08	2.39E-10	3.72E-08	1.29E-08	2.04E-08	3.03E-10	3.36E-08	7.35E-09	1.12E-08	7.48E-11	1.87E-08
4186	739706.99	4110250.36	8.64E-08	1.45E-07	1.60E-09	2.34E-07	1.34E-08	2.39E-08	2.41E-10	3.75E-08	1.30E-08	2.05E-08	3.05E-10	3.39E-08	7.41E-09	1.13E-08	7.53E-11	1.88E-08
4187	739699.24	4110206.43	8.58E-08	1.44E-07	1.59E-09	2.32E-07	1.33E-08	2.37E-08	2.39E-10	3.72E-08	1.29E-08	2.04E-08	3.03E-10	3.36E-08	7.36E-09	1.12E-08	7.48E-11	1.87E-08
4188	739691.48	4110162.5	8.42E-08	1.42E-07	1.56E-09	2.27E-07	1.31E-08	2.32E-08	2.34E-10	3.65E-08	1.27E-08	2.00E-08	2.97E-10	3.30E-08	7.21E-09	1.10E-08	7.33E-11	1.83E-08
4189	739683.72	4110118.57	8.18E-08	1.38E-07	1.52E-09	2.21E-07	1.27E-08	2.26E-08	2.28E-10	3.55E-08	1.23E-08	1.94E-08	2.89E-10	3.20E-08	7.01E-09	1.07E-08	7.13E-11	1.78E-08
4190	739675.97	4110074.64	7.90E-08	1.33E-07	1.46E-09	2.13E-07	1.22E-08	2.18E-08	2.20E-10	3.43E-08	1.19E-08	1.87E-08	2.79E-10	3.09E-08	6.77E-09	1.03E-08	6.88E-11	1.72E-08
4191	739668.21	4110030.71	7.59E-08	1.28E-07	1.41E-09	2.05E-07	1.18E-08	2.09E-08	2.11E-10	3.29E-08	1.14E-08	1.80E-08	2.68E-10	2.97E-08	6.51E-09	9.94E-09	6.61E-11	1.65E-08
4192	739660.45	4109986.78	7.28E-08	1.22E-07	1.35E-09	1.97E-07	1.13E-08	2.01E-08	2.02E-10	3.16E-08	1.10E-08	1.73E-08	2.57E-10	2.85E-08	6.24E-09	9.53E-09	6.34E-11	1.58E-08
4193	739652.7	4109942.85	6.97E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.94E-10	3.02E-08	1.05E-08	1.66E-08	2.46E-10	2.73E-08	5.97E-09	9.13E-09	6.07E-11	1.52E-08
4194	739644.94	4109898.92	6.68E-08	1.12E-07	1.24E-09	1.80E-07	1.04E-08	1.84E-08	1.86E-10	2.90E-08	1.01E-08	1.59E-08	2.36E-10	2.62E-08	5.73E-09	8.75E-09	5.82E-11	1.45E-08
4195	739637.19	4109854.99	6.42E-08	1.08E-07	1.19E-09	1.73E-07	9.95E-09	1.77E-08	1.79E-10	2.78E-08	9.68E-09	1.52E-08	2.27E-10	2.51E-08	5.50E-09	8.40E-09	5.59E-11	1.40E-08
4196	739629.43	4109811.06	6.19E-08	1.04E-07	1.15E-09	1.67E-07	9.60E-09	1.71E-08	1.72E-10	2.69E-08	9.34E-09	1.47E-08	2.19E-10	2.43E-08	5.30E-09	8.11E-09	5.39E-11	1.35E-08
4197	739621.67	4109767.13	6.01E-08	1.01E-07	1.11E-09	1.62E-07	9.32E-09	1.66E-08	1.67E-10	2.61E-08	9.06E-09	1.43E-08	2.12E-10	2.35E-08	5.15E-09	7.87E-09	5.24E-11	1.31E-08
4198	739613.92	4109723.2	5.88E-08	9.89E-08	1.09E-09	1.59E-07	9.11E-09	1.62E-08	1.64E-10	2.55E-08	8.86E-09	1.40E-08	2.08E-10	2.30E-08	5.04E-09	7.70E-09	5.12E-11	1.28E-08
4199	739606.16	4109679.27	5.79E-08	9.74E-08	1.07E-09	1.56E-07	8.98E-09	1.60E-08	1.61E-10	2.51E-08	8.73E-09	1.37E-08	2.05E-10	2.27E-08	4.96E-09	7.58E-09	5.04E-11	1.26E-08
4200	739598.4	4109635.35	5.75E-08	9.68E-08	1.07E-09	1.55E-07	8.92E-09	1.59E-08	1.60E-10	2.50E-08	8.67E-09	1.37E-08	2.03E-10	2.25E-08	4.93E-09	7.53E-09	5.01E-11	1.25E-08
4201	739590.65	4109591.42	5.74E-08	9.67E-08	1.07E-09	1.55E-07	8.91E-09	1.59E-08	1.60E-10	2.49E-08	8.66E-09	1.36E-08	2.03E-10	2.25E-08	4.92E-09	7.52E-09	5.00E-11	1.25E-08
4202	739582.89	4109547.49	5.76E-08	9.69E-08	1.07E-09	1.56E-07	8.93E-09	1.59E-08	1.60E-10	2.50E-08	8.68E-09	1.37E-08	2.03E-10	2.26E-08	4.93E-09	7.54E-09	5.02E-11	1.25E-08
4203	739587.94	4109485.29	5.84E-08	9.83E-08	1.08E-09	1.58E-07	9.06E-09	1.61E-08	1.62E-10	2.53E-08	8.81E-09	1.39E-08	2.06E-10	2.29E-08	5.00E-09	7.65E-09	5.09E-11	1.27E-08
4204	739613.55	4109448.77	5.95E-08	1.00E-07	1.10E-09	1.61E-07	9.22E-09	1.64E-08	1.66E-10	2.58E-08	8.97E-09	1.41E-08	2.10E-10	2.33E-08	5.10E-09	7.79E-09	5.18E-11	1.29E-08
4205	739639.16	4109412.24	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
4206	739664.76	4109375.71	6.05E-08	1.02E-07	1.12E-09	1.64E-07	9.39E-09	1.67E-08	1.68E-10	2.63E-08	9.13E-09	1.44E-08	2.14E-10	2.37E-08	5.19E-09	7.93E-09	5.27E-11	1.32E-08
4207	739690.37	4109339.19	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.35E-09	1.66E-08	1.68E-10	2.61E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
4208	739715.98	4109302.66	5.94E-08	1.00E-07	1.10E-09	1.61E-07	9.22E-09	1.64E-08	1.65E-10	2.58E-08	8.96E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.78E-09	5.18E-11	1.29E-08
4209	739741.59	4109266.13	5.80E-08	9.77E-08	1.08E-09	1.57E-07	9.00E-09	1.60E-08	1.61E-10	2.52E-08	8.75E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.60E-09	5.06E-11	1.26E-08
4210	739754.39	4109247.87	5.72E-08	9.62E-08	1.06E-09	1.54E-07	8.87E-09	1.58E-08	1.59E-10	2.48E-08	8.62E-09	1.36E-08	2.02E-10	2.24E-08	4.90E-09	7.49E-09	4.98E-11	1.24E-08
4211	739780	4109211.34	5.51E-08	9.27E-08	1.02E-09	1.49E-07	8.54E-09	1.52E-08	1.53E-10	2.39E-08	8.31E-09	1.31E-08	1.95E-10	2.16E-08	4.72E-09	7.22E-09	4.80E-11	1.20E-08
4212	739805.6	4109174.82	5.27E-08	8.88E-08	9.78E-10	1.42E-07	8.18E-09	1.46E-08	1.47E-10	2.29E-08	7.95E-09	1.25E-08	1.86E-10	2.07E-08	4.52E-09	6.91E-09	4.60E-11	1.15E-08
4213	739831.21	4109138.29	5.03E-08	8.46E-08	9.32E-10	1.36E-07	7.80E-09	1.39E-08	1.40E-10	2.18E-08	7.58E-09	1.19E-08	1.78E-10	1.97E-08	4.31E-09	6.58E-09	4.38E-11	1.09E-08
4214	739856.82	4109101.76	4.78E-08	8.04E-08	8.86E-10	1.29E-07	7.41E-09	1.32E-08	1.33E-10	2.07E-08	7.20E-09	1.13E-08	1.69E-10	1.87E-08	4.09E-09	6.26E-09	4.16E-11	1.04E-08
4215	739882.43	4109065.24	4.54E-08	7.64E-08	8.42E-10	1.23E-07	7.04E-09	1.25E-08	1.26E-10	1.97E-08	6.85E-09	1.08E-08	1.60E-10	1.78E-08	3.89E-09	5.95E-09	3.96E-11	9.88E-09
4216	739908.04	4109028.71	4.33E-08	7.28E-08	8.02E-10	1.17E-07	6.71E-09	1.19E-08	1.20E-10	1.88E-08	6.52E-09	1.03E-08	1.53E-10	1.69E-08	3.71E-09	5.66E-09	3.77E-11	9.41E-09
4217	739933.64	4108992.18	4.13E-08	6.95E-08	7.66E-10	1.12E-07	6.41E-09	1.14E-08	1.15E-10	1.79E-08	6.23E-09	9.81E-09	1.46E-10	1.62E-08	3.54E-09	5.41E-09	3.60E-11	8.98E-09
4218	739959.25	4108955.66	3.95E-08	6.65E-08	7.33E-10	1.07E-07	6.13E-09	1.09E-08	1.10E-10	1.71E-08	5.96E-09	9.39E-09	1.40E-10	1.55E-08	3.39E-09	5.18E-09	3.44E-11	8.60E-09
4219	739984.86	4108919.13	3.79E-08	6.37E-08	7.03E-10	1.02E-07	5.87E-09	1.05E-08	1.05E-10	1.64E-08	5.71E-09	8.99E-09	1.34E-10	1.48E-08	3.25E-09	4.96E-09	3.30E-11	8.24E-09
4220	739997.66	4108900.87	3.71E-08	6.24E-08	6.88E-10	1.00E-07	5.75E-09	1.02E-08	1.03E-10	1.61E-08	5.59E-09	8.80E-09	1.31E-10	1.45E-08	3.18E-09	4.86E-09	3.23E-11	8.06E-09

4221	740023.27	4108864.34	3.55E-08	5.97E-08	6.58E-10	9.59E-08	5.50E-09	9.79E-09	9.88E-11	1.54E-08	5.35E-09	8.43E-09	1.25E-10	1.39E-08	3.04E-09	4.65E-09	3.09E-11	7.72E-09
4222	740048.88	4108827.81	3.39E-08	5.70E-08	6.29E-10	9.15E-08	5.26E-09	9.35E-09	9.43E-11	1.47E-08	5.11E-09	8.05E-09	1.20E-10	1.33E-08	2.90E-09	4.44E-09	2.95E-11	7.37E-09
4223	740074.49	4108791.29	3.23E-08	5.43E-08	5.98E-10	8.72E-08	5.00E-09	8.90E-09	8.98E-11	1.40E-08	4.87E-09	7.66E-09	1.14E-10	1.26E-08	2.76E-09	4.22E-09	2.81E-11	7.02E-09
4224	740100.09	4108754.76	3.07E-08	5.16E-08	5.69E-10	8.29E-08	4.76E-09	8.47E-09	8.54E-11	1.33E-08	4.63E-09	7.28E-09	1.08E-10	1.20E-08	2.63E-09	4.02E-09	2.67E-11	6.67E-09
4225	740125.7	4108718.23	2.92E-08	4.92E-08	5.42E-10	7.89E-08	4.53E-09	8.06E-09	8.13E-11	1.27E-08	4.41E-09	6.94E-09	1.03E-10	1.14E-08	2.50E-09	3.83E-09	2.55E-11	6.36E-09
4226	740151.31	4108681.71	2.80E-08	4.71E-08	5.19E-10	7.56E-08	4.34E-09	7.72E-09	7.78E-11	1.21E-08	4.22E-09	6.64E-09	9.88E-11	1.10E-08	2.40E-09	3.66E-09	2.44E-11	6.09E-09
4227	740176.92	4108645.18	2.70E-08	4.55E-08	5.02E-10	7.31E-08	4.19E-09	7.46E-09	7.52E-11	1.17E-08	4.08E-09	6.42E-09	9.55E-11	1.06E-08	2.32E-09	3.54E-09	2.36E-11	5.88E-09
4228	740202.52	4108608.65	2.64E-08	4.45E-08	4.90E-10	7.14E-08	4.10E-09	7.29E-09	7.36E-11	1.15E-08	3.99E-09	6.28E-09	9.34E-11	1.04E-08	2.27E-09	3.46E-09	2.30E-11	5.75E-09
4229	740228.13	4108572.13	2.62E-08	4.40E-08	4.85E-10	7.07E-08	4.06E-09	7.22E-09	7.28E-11	1.14E-08	3.95E-09	6.21E-09	9.24E-11	1.03E-08	2.24E-09	3.43E-09	2.28E-11	5.69E-09
4230	740240.93	4108553.86	2.61E-08	4.40E-08	4.85E-10	7.06E-08	4.05E-09	7.21E-09	7.27E-11	1.13E-08	3.94E-09	6.21E-09	9.24E-11	1.02E-08	2.24E-09	3.42E-09	2.28E-11	5.69E-09
4231	740266.54	4108517.34	2.63E-08	4.42E-08	4.87E-10	7.10E-08	4.08E-09	7.25E-09	7.31E-11	1.14E-08	3.96E-09	6.24E-09	9.28E-11	1.03E-08	2.25E-09	3.44E-09	2.29E-11	5.72E-09
4232	740292.15	4108480.81	2.66E-08	4.48E-08	4.93E-10	7.19E-08	4.12E-09	7.34E-09	7.40E-11	1.15E-08	4.01E-09	6.31E-09	9.40E-11	1.04E-08	2.28E-09	3.48E-09	2.32E-11	5.79E-09
4233	740317.76	4108444.28	2.70E-08	4.55E-08	5.01E-10	7.30E-08	4.19E-09	7.45E-09	7.52E-11	1.17E-08	4.07E-09	6.41E-09	9.54E-11	1.06E-08	2.31E-09	3.54E-09	2.35E-11	5.88E-09
4234	740343.37	4108407.76	2.74E-08	4.62E-08	5.09E-10	7.42E-08	4.26E-09	7.57E-09	7.64E-11	1.19E-08	4.14E-09	6.52E-09	9.70E-11	1.08E-08	2.35E-09	3.59E-09	2.39E-11	5.97E-09
4235	740368.97	4108371.23	2.78E-08	4.68E-08	5.16E-10	7.52E-08	4.32E-09	7.68E-09	7.74E-11	1.21E-08	4.20E-09	6.61E-09	9.83E-11	1.09E-08	2.38E-09	3.64E-09	2.42E-11	6.05E-09
4236	740394.58	4108334.7	2.81E-08	4.73E-08	5.21E-10	7.59E-08	4.36E-09	7.75E-09	7.82E-11	1.22E-08	4.24E-09	6.67E-09	9.93E-11	1.10E-08	2.41E-09	3.68E-09	2.45E-11	6.11E-09
4237	740420.19	4108298.18	2.82E-08	4.75E-08	5.24E-10	7.63E-08	4.38E-09	7.79E-09	7.86E-11	1.23E-08	4.26E-09	6.71E-09	9.98E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.14E-09
4238	740445.8	4108261.65	2.82E-08	4.75E-08	5.24E-10	7.63E-08	4.38E-09	7.79E-09	7.86E-11	1.23E-08	4.26E-09	6.71E-09	9.98E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.14E-09
4239	740471.4	4108225.12	2.81E-08	4.73E-08	5.21E-10	7.59E-08	4.36E-09	7.75E-09	7.82E-11	1.22E-08	4.24E-09	6.67E-09	9.92E-11	1.10E-08	2.41E-09	3.68E-09	2.45E-11	6.11E-09
4240	740497.01	4108188.6	2.78E-08	4.67E-08	5.15E-10	7.50E-08	4.31E-09	7.66E-09	7.73E-11	1.20E-08	4.19E-09	6.59E-09	9.81E-11	1.09E-08	2.38E-09	3.64E-09	2.42E-11	6.04E-09
4241	740522.62	4108152.07	2.73E-08	4.60E-08	5.07E-10	7.38E-08	4.24E-09	7.54E-09	7.60E-11	1.18E-08	4.12E-09	6.48E-09	9.65E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.94E-09
4242	740548.23	4108115.54	2.67E-08	4.49E-08	4.95E-10	7.21E-08	4.14E-09	7.37E-09	7.43E-11	1.16E-08	4.03E-09	6.34E-09	9.43E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
4243	739893.62	4111257.76	5.87E-08	9.88E-08	1.09E-09	1.59E-07	9.10E-09	1.62E-08	1.63E-10	2.55E-08	8.85E-09	1.39E-08	2.07E-10	2.30E-08	5.03E-09	7.69E-09	5.11E-11	1.28E-08
4244	739905.73	4111276.74	5.89E-08	9.92E-08	1.09E-09	1.59E-07	9.14E-09	1.63E-08	1.64E-10	2.56E-08	8.89E-09	1.40E-08	2.08E-10	2.31E-08	5.05E-09	7.72E-09	5.13E-11	1.28E-08
4245	739917.85	4111295.73	5.91E-08	9.95E-08	1.10E-09	1.60E-07	9.17E-09	1.63E-08	1.65E-10	2.57E-08	8.92E-09	1.40E-08	2.09E-10	2.32E-08	5.07E-09	7.74E-09	5.15E-11	1.29E-08
4246	739929.96	4111314.72	5.94E-08	9.99E-08	1.10E-09	1.60E-07	9.21E-09	1.64E-08	1.65E-10	2.57E-08	8.95E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.77E-09	5.17E-11	1.29E-08
4247	739942.07	4111333.71	5.96E-08	1.00E-07	1.10E-09	1.61E-07	9.24E-09	1.64E-08	1.66E-10	2.58E-08	8.98E-09	1.41E-08	2.10E-10	2.33E-08	5.10E-09	7.80E-09	5.19E-11	1.30E-08
4248	739954.19	4111352.69	5.97E-08	1.01E-07	1.11E-09	1.61E-07	9.26E-09	1.65E-08	1.66E-10	2.59E-08	9.01E-09	1.42E-08	2.11E-10	2.34E-08	5.12E-09	7.82E-09	5.20E-11	1.30E-08
4249	739966.3	4111371.68	5.99E-08	1.01E-07	1.11E-09	1.62E-07	9.28E-09	1.65E-08	1.67E-10	2.60E-08	9.03E-09	1.42E-08	2.12E-10	2.35E-08	5.13E-09	7.84E-09	5.22E-11	1.30E-08
4250	739978.41	4111390.67	6.00E-08	1.01E-07	1.11E-09	1.62E-07	9.30E-09	1.65E-08	1.67E-10	2.60E-08	9.04E-09	1.42E-08	2.12E-10	2.35E-08	5.14E-09	7.85E-09	5.22E-11	1.30E-08
4251	739990.53	4111409.66	6.00E-08	1.01E-07	1.11E-09	1.62E-07	9.30E-09	1.65E-08	1.67E-10	2.60E-08	9.04E-09	1.42E-08	2.12E-10	2.35E-08	5.14E-09	7.85E-09	5.22E-11	1.30E-08
4252	739540.38	4111431.76	4.68E-08	7.88E-08	8.68E-10	1.26E-07	7.26E-09	1.29E-08	1.30E-10	2.03E-08	7.06E-09	1.11E-08	1.65E-10	1.83E-08	4.01E-09	6.13E-09	4.08E-11	1.02E-08
4253	739536.47	4111409.62	4.69E-08	7.89E-08	8.70E-10	1.27E-07	7.27E-09	1.29E-08	1.30E-10	2.03E-08	7.07E-09	1.11E-08	1.66E-10	1.84E-08	4.02E-09	6.14E-09	4.09E-11	1.02E-08
4254	739528.65	4111365.34	4.71E-08	7.92E-08	8.73E-10	1.27E-07	7.30E-09	1.30E-08	1.31E-10	2.04E-08	7.10E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.16E-09	4.10E-11	1.02E-08
4255	739520.83	4111321.05	4.72E-08	7.94E-08	8.75E-10	1.27E-07	7.31E-09	1.30E-08	1.31E-10	2.05E-08	7.11E-09	1.12E-08	1.67E-10	1.85E-08	4.04E-09	6.18E-09	4.11E-11	1.03E-08
4256	739513.01	4111276.77	4.72E-08	7.94E-08	8.76E-10	1.28E-07	7.32E-09	1.30E-08	1.31E-10	2.05E-08	7.12E-09	1.12E-08	1.67E-10	1.85E-08	4.04E-09	6.18E-09	4.11E-11	1.03E-08
4257	739505.19	4111232.49	4.72E-08	7.95E-08	8.76E-10	1.28E-07	7.32E-09	1.30E-08	1.31E-10	2.05E-08	7.12E-09	1.12E-08	1.67E-10	1.85E-08	4.05E-09	6.18E-09	4.11E-11	1.03E-08
4258	739501.28	4111210.35	4.72E-08	7.95E-08	8.76E-10	1.28E-07	7.32E-09	1.30E-08	1.31E-10	2.05E-08	7.12E-09	1.12E-08	1.67E-10	1.85E-08	4.05E-09	6.18E-09	4.11E-11	1.03E-08
4259	739493.46	4111166.06	4.73E-08	7.96E-08	8.77E-10	1.28E-07	7.33E-09	1.30E-08	1.32E-10	2.05E-08	7.13E-09	1.12E-08	1.67E-10	1.85E-08	4.05E-09	6.19E-09	4.12E-11	1.03E-08
4260	739485.65	4111121.78	4.75E-08	7.99E-08	8.80E-10	1.28E-07	7.36E-09	1.31E-08	1.32E-10	2.06E-08	7.16E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
4261	739477.83	4111077.5	4.78E-08	8.04E-08	8.86E-10	1.29E-07	7.41E-09	1.32E-08	1.33E-10	2.07E-08	7.20E-09	1.13E-08	1.69E-10	1.87E-08	4.09E-09	6.26E-09	4.16E-11	1.04E-08
4262	739473.92	4111055.36	4.80E-08	8.07E-08	8.90E-10	1.30E-07	7.44E-09	1.32E-08	1.33E-10	2.08E-08	7.23E-09	1.14E-08	1.69E-10	1.88E-08	4.11E-09	6.28E-09	4.18E-11	1.04E-08
4263	739466.1	4111011.08	4.84E-08	8.15E-08	8.98E-10	1.31E-07	7.51E-09	1.34E-08	1.35E-10	2.10E-08	7.30E-09	1.15E-08	1.71E-10	1.90E-08	4.15E-09	6.34E-09	4.22E-11	1.05E-08
4264	739458.28	4110966.79	4.89E-08	8.23E-08	9.07E-10	1.32E-07	7.58E-09	1.35E-08	1.36E-10	2.12E-08	7.37E-09	1.16E-08	1.73E-10	1.91E-08	4.19E-09	6.40E-09	4.26E-11	1.06E-08
4265	739450.46	4110922.51	4.93E-08	8.29E-08	9.14E-10	1.33E-07	7.64E-09	1.36E-08	1.37E-10	2.14E-08	7.43E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.45E-09	4.29E-11	1.07E-08
4266	739446.55	4110900.37	4.95E-08	8.32E-08	9.17E-10	1.34E-07	7.67E-09	1.36E-08	1.38E-10	2.15E-08	7.46E-09	1.17E-08	1.75E-10	1.94E-08	4.24E-09	6.48E-09	4.31E-11	1.08E-08
4267	739438.74	4110856.09	4.97E-08	8.37E-08	9.22E-10	1.34E-07	7.71E-09	1.37E-08	1.38E-10	2.16E-08	7.50E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.51E-09	4.33E-11	1.08E-08
4268	739430.92	4110811.81	5.00E-08	8.41E-08	9.27E-10	1.35E-07	7.75E-09	1.38E-08	1.39E-10	2.17E-08	7.54E-09	1.19E-08	1.77E-10	1.96E-08	4.28E-09	6.55E-09	4.36E-11	1.09E-08
4269	739423.1	4110767.52	5.04E-08	8.48E-08	9.35E-10	1.36E-07	7.82E-09	1.39E-08	1.40E-10	2.19E-08	7.60E-09	1.20E-08	1.78E-10	1.97E-08	4.32E-09	6.60E-09	4.39E-11	1.10E-08
4270	739415.28	4110723.24	5.11E-08	8.60E-08	9.48E-10	1.38E-07	7.92E-09	1.41E-08	1.42E-10	2.22E-08	7.71E-09	1.21E-08	1.81E-10	2.00E-08	4.38E-09	6.69E-09	4.45E-11	1.11E-08
4271	739411.37	4110701.1	5.16E-08	8.69E-08	9.57E-10	1.39E-07	8.00E-09	1.42E-08	1.44E-10	2.24E-08	7.78E-09	1.23E-08	1.82E-10	2.02E-08	4.42E-09	6.76E-09	4.50E-11	1.12E-08
4272	739403.55	4110656.82	5.30E-08	8.92E-08	9.83E-10	1.43E-07	8.22E-09	1.46E-08	1.47E-10	2.30E-08	7.99E-09	1.26E-08	1.87E-10	2.08E-08	4.54E-09	6.94E-09	4.62E-11	1.15E-08
4273	739395.73	4110612.54	5.49E-08	9.25E-08	1.02E-09	1.48E-07	8.52E-09	1.52E-08	1.53E-10	2.38E-08	8.28E-09	1.30E-08	1.94E-10	2.15E-08	4.71E-09	7.19E-09	4.79E-11	1.19E-08
4274	739387.91	4110568.25	5.73E-08	9.65E-08	1.06E-09	1.55E-07	8.89E-09	1.58E-08	1.60E-10	2.49E-08	8.65E-09	1.36E-08	2.03E-10	2.25E-08	4.91E-09	7.51E-09	4.99E-11	1.25E-08
4275	739384.01	4110546.11	5.87E-08	9.87E-08	1.09E-09	1.58E-07	9.10E-09	1.62E-08	1.63E-10	2.54E-08	8.85E-09	1.39E-08	2.07E-10	2.30E-08	5.03E-09	7.68E-09	5.11E-11	1.28E-08
4276	739376.19	4110501.83	6.14E-08	1.03E-07	1.14E-09	1.66E-07	9.53E-09	1.70E-08	1.71E-10	2.66E-08	9.26E-09	1.46E-08	2.17E-10	2.41E-08	5.26E-09	8.04E-09	5.35E-11	1.34E-08
4277	739368.37	4110457.55	6.42E-08	1.08E-07	1.19E-09	1.73E-07	9.95E-09	1.77E-08	1.79E-10	2.78E-08	9.68E-09	1.52E-08	2.27E-10	2.51E-08	5.50E-09	8.40E-09	5.59E-11	1.40E-08
4278	739360.55	4110413.27	6.66E-08	1.12E-07	1.24E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.71E-09	8.72E-09	5.80E-11	1.45E-08
4279	739356.64	4110391.12	6.76E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.39E-10	2.65E-08	5.79E-09	8.85E-09	5.89E-11	1.47E-08
4280	739348.82	4110346.84	6.90E-08	1.16E-07	1.28E-09	1.86E-07	1.07E-08	1.90E-08	1.92E-10	2.99E-08	1.04E-08	1.64E-08	2.44E-10	2.70E-08	5.91E-09	9.03E-09	6.01E-11	1.50E-08
4281	739341	4110302.56	6.95E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.93E-10	3.02E-08	1.05E-08	1.65E-08	2.46E-10	2.72E-08	5.96E-09	9.10E-09	6.06E-11	1.51E-08
4282	739333.18	4110258.28	6.92E-08	1.16E-07	1.28E-09	1.87E-07	1.07E-08	1.91E-08	1.93E-10	3.00E-08	1.04E-08	1.64E-08	2.44E-10	2.71E-08	5.93E-09	9.06E-09	6.03E-11	1.51E-08
4283	739325.37	4110213.99	6.82E-08	1.15E-07	1.26E-09	1.84E-07	1.06E-08	1.88E-08	1.90E-10	2.96E-08	1.03E-08	1.62E-08	2.41E-10	2.67E-08	5.84E-09	8.93E-09	5.94E-11	1.48E-08
4284	739321.46	4110191.85	6.74E-08	1.13E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.92E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.78E-09	8.83E-09	5.87E-11	1.47E-08
4285	739313.64	4110147.57	6.56E-08	1.10E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.83E-10	2.85E-08	9.90E-09	1.56E-08	2.32E-10	2.57E-08	5.62E-09	8.59E-09	5.72E-11	1.43E-08
4286	739305.82	4110103.29	6.36E-08	1.07E-07	1.18E-09	1.72E-07	9.86E-09	1.75E-08	1.77E-10	2.76E-08	9.59E-09	1.51E-08	2.25E-10	2.49E-08	5.45E-09	8.32E-09	5.54E-11	1.38E-08
4287	739298	4110059.01	6.14E-08	1.03E-07	1.14E-09	1.66E-07	9.52E-09	1.69E-08	1.71E-10	2.66E-08	9.25E-09	1.46E-08	2.17E-10	2.40E-08	5.26E-09	8.04E-09	5.35E-11	1.33E-08
4288	739294.09	4110036.87	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
4289	739286.27	4109992.58	5.80E-08	9.77E-08	1.08E-09	1.57E-07	9.00E-09	1.60E-08	1.61E-10	2.52E-08	8.75E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.60E-09	5.06E-11	1.26E-08
4290	739278.46	4109948.3	5.59E-08	9.40E-08	1.04E-09	1.51E-07	8.66E-09	1.54E-08	1.55E-10	2.42E-08	8.42E-09	1.33E-08	1.97E-10	2.19E-08	4.79E-09	7.31E-09	4.87E-11	1.21E-08
4291	739270.64	4109904.02	5.38E-08	9.05E-08	9.97E-10	1.45E-07	8.34E-09	1.48E-08	1.50E-10	2.33E-08	8.11E-09	1.28E-08	1.90E-10	2.11E-08	4.61E-09	7.04E-09	4.68E-11	1.17E-08
4292	739262.82	4109859.74	5.18E-08	8.72E-08	9.61E-10	1.40E-07	8.03E-09	1.43E-08	1.44E-10	2.25E-08	7.81E-09	1.23E-08	1.83E-10	2.03E-08	4.44E-09	6.78E-09	4.51E-11	1.13E-08
4293	739258.91	4109837.6	5.09E-08	8.56E-08	9.43E-10	1.37E-07	7.89E-09	1.40E-08	1.42E-10	2.21E-08	7.67E-09	1.21E-08	1.80E-10	1.99E-08	4.36E-09	6.66E-09	4.43E-11	1.11E-08
4294	739251.09	4109793.31	4.92E-08	8.28E-08	9.13E-10	1.33E-07	7.63E-09	1.36E-08	1.37E-10	2.13E-08	7.42E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.44E-09	4.29E-11	1.07E-08
4295	739243.27	4109749.03	4.78E-08	8.05E-08	8.87E-10	1.29E-07	7.41E-09	1.32E-08	1.33E-10	2.07E-08	7.21E-09	1.14E-08	1.69E-10	1.87E-08	4.10E-09	6.26E-09	4.17E-11	1.04E-08
4296	739235.45	4109704.75	4.67E-08	7.86E-08	8.67E-10	1.26E-07	7.25E-09	1.29E-08	1.30E-10	2.03E-08	7.05E-09	1.11E-08	1.65E-10	1.83E-08	4.00E-09	6.12E-09	4.07E-11	1.02E-08
4297	739231.54	4109682.61	4.63E-08	7.80E-08	8.59E-10	1.25E-07	7.18E-09	1.28E-08	1.29E-10	2.01E-08	6.99E-09	1.10E-08	1.64E-10	1.81E-08	3.97E-09	6.07E-09	4.04E-11	1.01E-08
4298	739223.73	4109638.32	4.57E-08	7.70E-08	8.48E-10	1.24E-07	7.09E-09	1.26E-08	1.27E-10	1.98E-08	6.90E-09	1.09E-08	1.62E-10	1.79E-08	3.92E-09	5.99E-09	3.98E-11	9.95E-09
4299	739215.91	4109594.04	4.54E-08	7.65E-08	8.43E-10	1.23E-07	7.05E-09	1.25E-08	1.26E-10	1.97E-08	6.85E-09	1.08E-08	1.61E-10	1.78E-08	3.89E-09	5.95E-09	3.96E-11	9.88E-09
4300	739208.09	4109549.76	4.54E-08	7.64E-08	8.42E-10	1.23E-07	7.04E-09	1.25E-08	1.26E-10	1.97E-08	6.85E-09	1.08E-08	1.60E-10	1.78E-08	3.89E-09	5.95E-09	3.96E-11	9.88E-09
4301	739204.18	4109527.62	4.55E-08	7.65E-08	8.43E-10	1.23E-07	7.05E-09	1.25E-08	1.26E-10	1.97E-08	6.85E-09	1.08E-08	1.61E-10	1.78E-08	3.89E-09	5.95E-09	3.96E-11	9.89E-09
4302	739196.36	4109483.34	4.57E-08	7.68E-08	8.47E-10	1.23E-07	7.08E-09	1.26E-08	1.27E-10	1.98E-08	6.88E-09	1.08E-08	1.61E-10	1.79E-08	3.91E-09	5.98E-09	3.98E-11	9.93E-09
4303	739188.54	4109439.05	4.59E-08	7.72E-08	8.51E-10	1.24E-07	7.12E-09	1.27E-08	1.28E-10	1.99E-08	6.92E-09	1.09E-08	1.62E-10	1.80E-08	3.93E-09	6.01E-09	4.00E-11	9.98E-09
4304	739197.54	4109398.5	4.65E-08	7.82E-08	8.62E-10	1.26E-07	7.21E-09	1.28E-08	1.29E-10	2.02E-08	7.01E-09	1.10E-08	1.64E-10	1.82E-08	3.98E-09	6.09E-09	4.05E-11	1.01E-08
4305	739210.45	4109380.09	4.69E-08	7.90E-08	8.70E-10	1.27E-07	7.28E-09	1.29E-08	1.31E-10	2.04E-08	7.08E-09	1.11E-08	1.66E-10	1.84E-08	4.02E-09	6.14E-09	4.09E-11	1.02E-08
4306	739236.26	4109343.27	4.77E-08	8.02E-08	8.84E-10	1.29E-07	7.39E-09	1.32E-08	1.33E-10	2.07E-08	7.19E-09	1.13E-08	1.68E-10	1.87E-08	4.08E-09	6.24E-09	4.15E-11	1.04E-08
4307	739249.17	4109324.86	4.79E-08	8.07E-08	8.89E-10	1.29E-07	7.43E-09	1.32E-08	1.33E-10	2.08E-08	7.23E-09	1.14E-08	1.69E-10	1.88E-08	4.11E-09	6.28E-09	4.18E-11	1.04E-08
4308	739274.98	4109288.04	4.83E-08	8.12E-08	8.95E-10	1.30E-07	7.48E-09	1.33E-08	1.34E-10	2.09E-08	7.28E-09	1.15E-08	1.70E-10	1.89E-08	4.14E-09	6.32E-09	4.20E-11	1.05E-08

4309	739300.79	4109251.22	4.82E-08	8.11E-08	8.94E-10	1.30E-07	7.48E-09	1.33E-08	1.34E-10	2.09E-08	7.27E-09	1.14E-08	1.70E-10	1.89E-08	4.13E-09	6.31E-09	4.20E-11	1.05E-08
4310	739313.7	4109232.81	4.80E-08	8.09E-08	8.91E-10	1.30E-07	7.45E-09	1.33E-08	1.34E-10	2.08E-08	7.25E-09	1.14E-08	1.70E-10	1.88E-08	4.12E-09	6.29E-09	4.19E-11	1.05E-08
4311	739339.51	4109195.99	4.74E-08	7.98E-08	8.80E-10	1.28E-07	7.36E-09	1.31E-08	1.32E-10	2.06E-08	7.15E-09	1.13E-08	1.68E-10	1.86E-08	4.06E-09	6.21E-09	4.13E-11	1.03E-08
4312	739352.42	4109177.58	4.70E-08	7.91E-08	8.72E-10	1.27E-07	7.29E-09	1.30E-08	1.31E-10	2.04E-08	7.09E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.15E-09	4.09E-11	1.02E-08
4313	739378.23	4109140.76	4.59E-08	7.72E-08	8.51E-10	1.24E-07	7.11E-09	1.27E-08	1.28E-10	1.99E-08	6.92E-09	1.09E-08	1.62E-10	1.80E-08	3.93E-09	6.00E-09	4.00E-11	9.97E-09
4314	739391.14	4109122.35	4.52E-08	7.60E-08	8.38E-10	1.22E-07	7.01E-09	1.25E-08	1.26E-10	1.96E-08	6.81E-09	1.07E-08	1.60E-10	1.77E-08	3.87E-09	5.92E-09	3.94E-11	9.83E-09
4315	739416.95	4109085.53	4.37E-08	7.35E-08	8.10E-10	1.18E-07	6.77E-09	1.20E-08	1.21E-10	1.89E-08	6.58E-09	1.04E-08	1.54E-10	1.71E-08	3.74E-09	5.72E-09	3.80E-11	9.50E-09
4316	739429.86	4109067.12	4.28E-08	7.21E-08	7.94E-10	1.16E-07	6.64E-09	1.18E-08	1.19E-10	1.86E-08	6.46E-09	1.02E-08	1.51E-10	1.68E-08	3.67E-09	5.61E-09	3.73E-11	9.31E-09
4317	739455.67	4109030.3	4.11E-08	6.91E-08	7.62E-10	1.11E-07	6.37E-09	1.13E-08	1.14E-10	1.78E-08	6.19E-09	9.75E-09	1.45E-10	1.61E-08	3.52E-09	5.38E-09	3.58E-11	8.93E-09
4318	739481.49	4108993.48	3.92E-08	6.60E-08	7.28E-10	1.06E-07	6.09E-09	1.08E-08	1.09E-10	1.70E-08	5.92E-09	9.32E-09	1.39E-10	1.54E-08	3.36E-09	5.14E-09	3.42E-11	8.54E-09
4319	739494.39	4108975.07	3.83E-08	6.45E-08	7.11E-10	1.04E-07	5.94E-09	1.06E-08	1.07E-10	1.66E-08	5.78E-09	9.10E-09	1.35E-10	1.50E-08	3.28E-09	5.02E-09	3.34E-11	8.34E-09
4320	739520.21	4108938.25	3.66E-08	6.15E-08	6.78E-10	9.88E-08	5.67E-09	1.01E-08	1.02E-10	1.59E-08	5.51E-09	8.68E-09	1.29E-10	1.43E-08	3.13E-09	4.79E-09	3.19E-11	7.95E-09
4321	739533.11	4108919.84	3.57E-08	6.01E-08	6.63E-10	9.65E-08	5.54E-09	9.86E-09	9.94E-11	1.55E-08	5.39E-09	8.49E-09	1.26E-10	1.40E-08	3.06E-09	4.68E-09	3.11E-11	7.77E-09
4322	739558.93	4108883.02	3.42E-08	5.76E-08	6.35E-10	9.24E-08	5.31E-09	9.44E-09	9.52E-11	1.48E-08	5.16E-09	8.12E-09	1.21E-10	1.34E-08	2.93E-09	4.48E-09	2.98E-11	7.44E-09
4323	739571.83	4108864.61	3.35E-08	5.64E-08	6.22E-10	9.05E-08	5.20E-09	9.25E-09	9.32E-11	1.45E-08	5.05E-09	7.96E-09	1.18E-10	1.31E-08	2.87E-09	4.39E-09	2.92E-11	7.29E-09
4324	739597.65	4108827.79	3.22E-08	5.42E-08	5.98E-10	8.71E-08	5.00E-09	8.89E-09	8.97E-11	1.40E-08	4.86E-09	7.65E-09	1.14E-10	1.26E-08	2.76E-09	4.22E-09	2.81E-11	7.01E-09
4325	739623.46	4108790.97	3.11E-08	5.23E-08	5.77E-10	8.40E-08	4.82E-09	8.58E-09	8.65E-11	1.35E-08	4.69E-09	7.38E-09	1.10E-10	1.22E-08	2.66E-09	4.07E-09	2.71E-11	6.76E-09
4326	739636.37	4108772.56	3.06E-08	5.14E-08	5.67E-10	8.25E-08	4.74E-09	8.43E-09	8.50E-11	1.33E-08	4.61E-09	7.25E-09	1.08E-10	1.20E-08	2.62E-09	4.00E-09	2.66E-11	6.65E-09
4327	739662.18	4108735.74	2.95E-08	4.97E-08	5.48E-10	7.98E-08	4.58E-09	8.15E-09	8.22E-11	1.28E-08	4.45E-09	7.01E-09	1.04E-10	1.16E-08	2.53E-09	3.87E-09	2.57E-11	6.42E-09
4328	739675.09	4108717.33	2.90E-08	4.88E-08	5.38E-10	7.84E-08	4.50E-09	8.01E-09	8.08E-11	1.26E-08	4.38E-09	6.89E-09	1.03E-10	1.14E-08	2.49E-09	3.80E-09	2.53E-11	6.31E-09
4329	739700.9	4108680.51	2.80E-08	4.71E-08	5.19E-10	7.56E-08	4.34E-09	7.72E-09	7.79E-11	1.21E-08	4.22E-09	6.65E-09	9.89E-11	1.10E-08	2.40E-09	3.67E-09	2.44E-11	6.09E-09
4330	739713.81	4108662.1	2.75E-08	4.62E-08	5.09E-10	7.42E-08	4.26E-09	7.58E-09	7.64E-11	1.19E-08	4.14E-09	6.52E-09	9.70E-11	1.08E-08	2.35E-09	3.60E-09	2.39E-11	5.97E-09
4331	739739.62	4108625.28	2.63E-08	4.43E-08	4.89E-10	7.12E-08	4.09E-09	7.27E-09	7.33E-11	1.14E-08	3.97E-09	6.25E-09	9.31E-11	1.03E-08	2.26E-09	3.45E-09	2.30E-11	5.73E-09
4332	739752.53	4108606.87	2.58E-08	4.34E-08	4.78E-10	6.96E-08	4.00E-09	7.11E-09	7.17E-11	1.12E-08	3.89E-09	6.12E-09	9.11E-11	1.01E-08	2.21E-09	3.38E-09	2.25E-11	5.61E-09
4333	739778.34	4108570.05	2.46E-08	4.14E-08	4.57E-10	6.65E-08	3.82E-09	6.79E-09	6.85E-11	1.07E-08	3.71E-09	5.84E-09	8.69E-11	9.64E-09	2.11E-09	3.22E-09	2.14E-11	5.35E-09
4334	739804.15	4108533.23	2.35E-08	3.95E-08	4.36E-10	6.34E-08	3.64E-09	6.48E-09	6.53E-11	1.02E-08	3.54E-09	5.58E-09	8.30E-11	9.20E-09	2.01E-09	3.08E-09	2.05E-11	5.11E-09
4335	739817.06	4108514.82	2.29E-08	3.86E-08	4.26E-10	6.20E-08	3.56E-09	6.33E-09	6.38E-11	9.95E-09	3.46E-09	5.45E-09	8.11E-11	8.99E-09	1.97E-09	3.00E-09	2.00E-11	4.99E-09
4336	739842.87	4108478	2.20E-08	3.70E-08	4.08E-10	5.94E-08	3.41E-09	6.07E-09	6.12E-11	9.54E-09	3.32E-09	5.22E-09	7.77E-11	8.62E-09	1.88E-09	2.88E-09	1.92E-11	4.78E-09
4337	739855.78	4108459.59	2.16E-08	3.63E-08	4.00E-10	5.83E-08	3.35E-09	5.95E-09	6.00E-11	9.36E-09	3.25E-09	5.12E-09	7.62E-11	8.45E-09	1.85E-09	2.83E-09	1.88E-11	4.69E-09
4338	739881.59	4108422.77	2.09E-08	3.52E-08	3.88E-10	5.65E-08	3.25E-09	5.77E-09	5.82E-11	9.08E-09	3.16E-09	4.97E-09	7.39E-11	8.20E-09	1.79E-09	2.74E-09	1.82E-11	4.55E-09
4339	739894.5	4108404.36	2.07E-08	3.48E-08	3.84E-10	5.59E-08	3.21E-09	5.71E-09	5.76E-11	8.97E-09	3.12E-09	4.91E-09	7.31E-11	8.11E-09	1.77E-09	2.71E-09	1.80E-11	4.50E-09
4340	739920.31	4108367.54	2.04E-08	3.43E-08	3.78E-10	5.51E-08	3.16E-09	5.63E-09	5.68E-11	8.85E-09	3.08E-09	4.84E-09	7.21E-11	7.99E-09	1.75E-09	2.67E-09	1.78E-11	4.44E-09
4341	739946.13	4108330.72	2.03E-08	3.42E-08	3.77E-10	5.50E-08	3.16E-09	5.61E-09	5.66E-11	8.82E-09	3.07E-09	4.83E-09	7.19E-11	7.97E-09	1.74E-09	2.66E-09	1.77E-11	4.43E-09
4342	739959.03	4108312.31	2.04E-08	3.43E-08	3.78E-10	5.51E-08	3.16E-09	5.62E-09	5.67E-11	8.84E-09	3.07E-09	4.84E-09	7.20E-11	7.99E-09	1.75E-09	2.67E-09	1.78E-11	4.43E-09
4343	739984.85	4108275.49	2.06E-08	3.47E-08	3.82E-10	5.57E-08	3.20E-09	5.69E-09	5.73E-11	8.94E-09	3.11E-09	4.89E-09	7.28E-11	8.07E-09	1.77E-09	2.70E-09	1.80E-11	4.48E-09
4344	739997.75	4108257.08	2.07E-08	3.49E-08	3.85E-10	5.61E-08	3.22E-09	5.72E-09	5.77E-11	9.00E-09	3.13E-09	4.93E-09	7.33E-11	8.13E-09	1.78E-09	2.72E-09	1.81E-11	4.51E-09
4345	740023.57	4108220.26	2.11E-08	3.55E-08	3.91E-10	5.70E-08	3.27E-09	5.82E-09	5.87E-11	9.15E-09	3.18E-09	5.01E-09	7.45E-11	8.26E-09	1.81E-09	2.76E-09	1.84E-11	4.59E-09
4346	740036.47	4108201.85	2.13E-08	3.58E-08	3.95E-10	5.75E-08	3.30E-09	5.87E-09	5.92E-11	9.23E-09	3.21E-09	5.05E-09	7.52E-11	8.34E-09	1.82E-09	2.79E-09	1.85E-11	4.63E-09
4347	740062.29	4108165.03	2.16E-08	3.64E-08	4.01E-10	5.85E-08	3.36E-09	5.97E-09	6.02E-11	9.39E-09	3.26E-09	5.14E-09	7.64E-11	8.48E-09	1.85E-09	2.83E-09	1.89E-11	4.71E-09
4348	740075.19	4108146.62	2.18E-08	3.67E-08	4.05E-10	5.89E-08	3.38E-09	6.02E-09	6.07E-11	9.46E-09	3.29E-09	5.18E-09	7.70E-11	8.54E-09	1.87E-09	2.86E-09	1.90E-11	4.74E-09
4349	740101.01	4108109.8	2.21E-08	3.72E-08	4.10E-10	5.97E-08	3.43E-09	6.10E-09	6.15E-11	9.58E-09	3.33E-09	5.25E-09	7.81E-11	8.66E-09	1.89E-09	2.89E-09	1.92E-11	4.81E-09
4350	740126.82	4108072.98	2.23E-08	3.75E-08	4.14E-10	6.03E-08	3.46E-09	6.15E-09	6.21E-11	9.68E-09	3.36E-09	5.30E-09	7.88E-11	8.74E-09	1.91E-09	2.92E-09	1.94E-11	4.85E-09
4351	740139.73	4108054.57	2.24E-08	3.77E-08	4.15E-10	6.04E-08	3.47E-09	6.17E-09	6.23E-11	9.70E-09	3.37E-09	5.31E-09	7.90E-11	8.76E-09	1.92E-09	2.93E-09	1.95E-11	4.87E-09
4352	740165.54	4108017.75	2.24E-08	3.78E-08	4.16E-10	6.06E-08	3.48E-09	6.19E-09	6.24E-11	9.73E-09	3.38E-09	5.33E-09	7.93E-11	8.79E-09	1.92E-09	2.94E-09	1.96E-11	4.88E-09
4353	740178.45	4107999.34	2.24E-08	3.78E-08	4.16E-10	6.06E-08	3.48E-09	6.19E-09	6.24E-11	9.73E-09	3.38E-09	5.33E-09	7.93E-11	8.79E-09	1.92E-09	2.94E-09	1.96E-11	4.88E-09
4354	740204.26	4107962.52	2.24E-08	3.77E-08	4.15E-10	6.05E-08	3.47E-09	6.18E-09	6.23E-11	9.71E-09	3.38E-09	5.31E-09	7.91E-11	8.77E-09	1.92E-09	2.93E-09	1.95E-11	4.87E-09
4355	740217.17	4107944.11	2.23E-08	3.76E-08	4.14E-10	6.03E-08	3.46E-09	6.16E-09	6.21E-11	9.68E-09	3.36E-09	5.30E-09	7.88E-11	8.74E-09	1.91E-09	2.92E-09	1.94E-11	4.85E-09
4356	740242.98	4107907.29	2.21E-08	3.73E-08	4.11E-10	5.98E-08	3.43E-09	6.11E-09	6.16E-11	9.60E-09	3.34E-09	5.26E-09	7.82E-11	8.67E-09	1.90E-09	2.90E-09	1.93E-11	4.82E-09
4357	740268.79	4107870.47	2.19E-08	3.68E-08	4.06E-10	5.91E-08	3.39E-09	6.04E-09	6.09E-11	9.49E-09	3.30E-09	5.19E-09	7.73E-11	8.57E-09	1.87E-09	2.86E-09	1.91E-11	4.76E-09
4358	740281.7	4107852.06	2.17E-08	3.65E-08	4.03E-10	5.86E-08	3.37E-09	5.99E-09	6.04E-11	9.42E-09	3.27E-09	5.15E-09	7.67E-11	8.50E-09	1.86E-09	2.84E-09	1.89E-11	4.72E-09
4359	740307.51	4107815.24	2.13E-08	3.59E-08	3.95E-10	5.76E-08	3.31E-09	5.88E-09	5.93E-11	9.25E-09	3.22E-09	5.06E-09	7.53E-11	8.35E-09	1.83E-09	2.79E-09	1.86E-11	4.64E-09
4360	740320.42	4107796.83	2.11E-08	3.55E-08	3.91E-10	5.70E-08	3.27E-09	5.82E-09	5.87E-11	9.15E-09	3.18E-09	5.01E-09	7.45E-11	8.26E-09	1.81E-09	2.76E-09	1.84E-11	4.59E-09
4361	740346.23	4107760.01	2.06E-08	3.46E-08	3.81E-10	5.55E-08	3.19E-09	5.67E-09	5.72E-11	8.92E-09	3.10E-09	4.88E-09	7.26E-11	8.05E-09	1.76E-09	2.69E-09	1.79E-11	4.47E-09
4362	739544.29	4111453.9	4.67E-08	7.86E-08	8.67E-10	1.26E-07	7.25E-09	1.29E-08	1.30E-10	2.03E-08	7.05E-09	1.11E-08	1.65E-10	1.83E-08	4.00E-09	6.12E-09	4.07E-11	1.02E-08
4363	739556.4	4111472.89	4.69E-08	7.89E-08	8.69E-10	1.27E-07	7.27E-09	1.29E-08	1.30E-10	2.03E-08	7.07E-09	1.11E-08	1.66E-10	1.84E-08	4.02E-09	6.14E-09	4.08E-11	1.02E-08
4364	739568.51	4111491.88	4.70E-08	7.91E-08	8.72E-10	1.27E-07	7.29E-09	1.30E-08	1.31E-10	2.04E-08	7.09E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.16E-09	4.10E-11	1.02E-08
4365	739592.74	4111529.85	4.73E-08	7.96E-08	8.78E-10	1.28E-07	7.34E-09	1.31E-08	1.32E-10	2.05E-08	7.14E-09	1.12E-08	1.67E-10	1.85E-08	4.06E-09	6.20E-09	4.12E-11	1.03E-08
4366	739604.85	4111548.84	4.75E-08	7.99E-08	8.81E-10	1.28E-07	7.36E-09	1.31E-08	1.32E-10	2.06E-08	7.16E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
4367	739616.97	4111567.83	4.76E-08	8.01E-08	8.83E-10	1.29E-07	7.38E-09	1.31E-08	1.32E-10	2.07E-08	7.18E-09	1.13E-08	1.68E-10	1.87E-08	4.08E-09	6.23E-09	4.15E-11	1.04E-08
4368	739629.08	4111586.81	4.77E-08	8.03E-08	8.85E-10	1.29E-07	7.40E-09	1.32E-08	1.33E-10	2.07E-08	7.20E-09	1.13E-08	1.69E-10	1.87E-08	4.09E-09	6.25E-09	4.16E-11	1.04E-08
4369	739641.19	4111605.8	4.78E-08	8.04E-08	8.87E-10	1.29E-07	7.41E-09	1.32E-08	1.33E-10	2.07E-08	7.21E-09	1.13E-08	1.69E-10	1.87E-08	4.10E-09	6.26E-09	4.16E-11	1.04E-08
4370	739653.31	4111624.79	4.78E-08	8.05E-08	8.87E-10	1.29E-07	7.42E-09	1.32E-08	1.33E-10	2.08E-08	7.21E-09	1.14E-08	1.69E-10	1.87E-08	4.10E-09	6.27E-09	4.17E-11	1.04E-08
4371	739203.17	4111646.97	3.85E-08	6.48E-08	7.15E-10	1.04E-07	5.98E-09	1.06E-08	1.07E-10	1.67E-08	5.81E-09	9.15E-09	1.36E-10	1.51E-08	3.30E-09	5.05E-09	3.36E-11	8.38E-09
4372	739195.38	4111602.84	3.87E-08	6.51E-08	7.18E-10	1.05E-07	6.00E-09	1.07E-08	1.08E-10	1.68E-08	5.84E-09	9.19E-09	1.37E-10	1.52E-08	3.32E-09	5.07E-09	3.37E-11	8.42E-09
4373	739187.59	4111558.71	3.89E-08	6.54E-08	7.21E-10	1.05E-07	6.03E-09	1.07E-08	1.08E-10	1.69E-08	5.86E-09	9.23E-09	1.37E-10	1.52E-08	3.33E-09	5.09E-09	3.39E-11	8.46E-09
4374	739179.79	4111514.59	3.90E-08	6.56E-08	7.23E-10	1.05E-07	6.05E-09	1.08E-08	1.08E-10	1.69E-08	5.88E-09	9.26E-09	1.38E-10	1.53E-08	3.34E-09	5.11E-09	3.40E-11	8.48E-09
4375	739172	4111470.46	3.90E-08	6.57E-08	7.24E-10	1.05E-07	6.05E-09	1.08E-08	1.09E-10	1.69E-08	5.89E-09	9.27E-09	1.38E-10	1.53E-08	3.35E-09	5.11E-09	3.40E-11	8.49E-09
4376	739164.21	4111426.33	3.90E-08	6.57E-08	7.24E-10	1.05E-07	6.05E-09	1.08E-08	1.09E-10	1.69E-08	5.89E-09	9.27E-09	1.38E-10	1.53E-08	3.35E-09	5.11E-09	3.40E-11	8.49E-09
4377	739156.42	4111382.2	3.90E-08	6.57E-08	7.24E-10	1.05E-07	6.05E-09	1.08E-08	1.09E-10	1.69E-08	5.88E-09	9.26E-09	1.38E-10	1.53E-08	3.34E-09	5.11E-09	3.40E-11	8.49E-09
4378	739148.63	4111338.07	3.90E-08	6.57E-08	7.24E-10	1.05E-07	6.05E-09	1.08E-08	1.09E-10	1.69E-08	5.89E-09	9.27E-09	1.38E-10	1.53E-08	3.35E-09	5.11E-09	3.40E-11	8.49E-09
4379	739140.84	4111293.95	3.91E-08	6.58E-08	7.26E-10	1.06E-07	6.07E-09	1.08E-08	1.09E-10	1.70E-08	5.90E-09	9.29E-09	1.38E-10	1.53E-08	3.35E-09	5.12E-09	3.41E-11	8.51E-09
4380	739133.05	4111249.82	3.93E-08	6.61E-08	7.29E-10	1.06E-07	6.09E-09	1.08E-08	1.09E-10	1.70E-08	5.93E-09	9.33E-09	1.39E-10	1.54E-08	3.37E-09	5.15E-09	3.42E-11	8.55E-09
4381	739125.26	4111205.69	3.96E-08	6.66E-08	7.34E-10	1.07E-07	6.14E-09	1.09E-08	1.10E-10	1.72E-08	5.97E-09	9.39E-09	1.40E-10	1.55E-08	3.39E-09	5.18E-09	3.45E-11	8.60E-09
4382	739117.46	4111161.56	3.99E-08	6.72E-08	7.40E-10	1.08E-07	6.19E-09	1.10E-08	1.11E-10	1.73E-08	6.02E-09	9.47E-09	1.41E-10	1.56E-08	3.42E-09	5.23E-09	3.48E-11	8.68E-09
4383	739109.67	4111117.44	4.03E-08	6.78E-08	7.47E-10	1.09E-07	6.24E-09	1.11E-08	1.12E-10	1.75E-08	6.07E-09	9.56E-09	1.42E-10	1.58E-08	3.45E-09	5.27E-09	3.51E-11	8.76E-09
4384	739105.78	4111095.37	4.04E-08	6.80E-08	7.50E-10	1.09E-07	6.27E-09	1.12E-08	1.13E-10	1.75E-08	6.10E-09	9.60E-09	1.43E-10	1.58E-08	3.46E-09	5.30E-09	3.52E-11	8.80E-09
4385	739097.99	4111051.25	4.07E-08	6.86E-08	7.56E-10	1.10E-07	6.32E-09	1.12E-08	1.13E-10	1.77E-08	6.14E-09	9.67E-09	1.44E-10	1.60E-08	3.49E-09	5.33E-09	3.55E-11	8.86E-09
4386	739090.2	4111007.12	4.10E-08	6.89E-08	7.60E-10	1.11E-07	6.35E-09	1.13E-08	1.14E-10	1.78E-08	6.18E-09	9.72E-09	1.45E-10	1.60E-08	3.51E-09	5.36E-09	3.57E-11	8.91E-09
4387	739082.4	4110962.99	4.11E-08	6.92E-08	7.63E-10	1.11E-07	6.38E-09	1.13E-08	1.14E-10	1.78E-08	6.20E-09	9.76E-09	1.45E-10	1.61E-08	3.52E-09	5.38E-09	3.58E-11	8.94E-09
4388	739074.61	4110918.86	4.13E-08	6.94E-08	7.65E-10	1.11E-07	6.40E-09	1.14E-08	1.15E-10	1.79E-08	6.22E-09	9.79E-09	1.46E-10	1.62E-08	3.53E-09	5.40E-09	3.59E-11	8.97E-09
4389	739066.82	4110874.73	4.15E-08	6.98E-08	7.69E-10	1.12E-07	6.43E-09	1.14E-08	1.15E-10	1.80E-08	6.25E-09	9.85E-09	1.47E-10	1.62E-08	3.55E-09	5.43E-09	3.61E-11	9.02E-09
4390	739059.03	4110830.61	4.19E-08	7.05E-08	7.77E-10	1.13E-07	6.49E-09	1.16E-08	1.17E-10	1.82E-08	6.31E-09	9.94E-09	1.48E-10	1.64E-08	3.59E-09	5.48E-09	3.65E-11	9.11E-09
4391	739051.24	4110786.48	4.26E-08	7.16E-08	7.90E-10	1.15E-07	6.60E-09	1.17E-08	1.18E-10	1.85E-08	6.42E-09	1.01E-08	1.50E-10	1.67E-08	3.65E-09	5.57E-09	3.71E-11	9.26E-09
4392	739043.45	4110742.35	4.36E-08	7.34E-08	8.09E-10	1.18E-07	6.77E-09	1.20E-08	1.21E-10	1.89E-08	6.58E-09	1.04E-08	1.54E-10	1.71E-08	3.74E-09	5.71E-09	3.80E-11	9.49E-09
4393	739035.66	4110698.22	4.50E-08	7.58E-08	8.35E-10	1.22E-07	6.98E-09	1.24E-08	1.25E-10	1.95E-08	6.79E-09	1.07E-08	1.59E-10	1.76E-08	3.86E-09	5.90E-09	3.92E-11	9.79E-09
4394	739027.87	4110654.1	4.68E-08	7.87E-08	8.68E-10	1.26E-07	7.26E-09	1.29E-08	1.30E-10	2.03E-08	7.05E-09	1.11E-08	1.65E-10	1.83E-08	4.01E-09	6.13E-09	4.08E-11	1.02E-08
4395	739020.07	4110609.97	4.88E-08	8.20E-08	9.04E-10	1.32E-07	7.56E-09	1.35E-08	1.36E-10	2.11E-08	7.35E-09	1.16E-08	1.72E-10	1.91E-08	4.18E-09	6.38E-09	4.25E-11	1.06E-08
4396	739012.28	4110565.84	5.09E-08	8.56E-08	9.44E-10	1.37E-07	7.89E-09	1.40E-08	1.42E-10	2.21E-08	7.67E-09	1.21E-08	1.80E-10	1.99E-08	4.36E-09	6.66E-09	4.43E-11	1.11E-08

4397	739004.49	4110521.71	5.29E-08	8.91E-08	9.82E-10	1.43E-07	8.21E-09	1.46E-08	1.47E-10	2.30E-08	7.98E-09	1.26E-08	1.87E-10	2.07E-08	4.54E-09	6.93E-09	4.61E-11	1.15E-08
4398	738996.7	4110477.59	5.48E-08	9.22E-08	1.02E-09	1.48E-07	8.50E-09	1.51E-08	1.53E-10	2.38E-08	8.27E-09	1.30E-08	1.94E-10	2.15E-08	4.70E-09	7.18E-09	4.78E-11	1.19E-08
4399	738988.91	4110433.46	5.63E-08	9.47E-08	1.04E-09	1.52E-07	8.73E-09	1.55E-08	1.57E-10	2.44E-08	8.49E-09	1.34E-08	1.99E-10	2.20E-08	4.82E-09	7.37E-09	4.90E-11	1.22E-08
4400	738981.12	4110389.33	5.72E-08	9.63E-08	1.06E-09	1.55E-07	8.88E-09	1.58E-08	1.59E-10	2.48E-08	8.63E-09	1.36E-08	2.02E-10	2.24E-08	4.90E-09	7.49E-09	4.99E-11	1.24E-08
4401	738973.33	4110345.2	5.75E-08	9.68E-08	1.07E-09	1.55E-07	8.92E-09	1.59E-08	1.60E-10	2.50E-08	8.68E-09	1.37E-08	2.03E-10	2.25E-08	4.93E-09	7.53E-09	5.01E-11	1.25E-08
4402	738965.54	4110301.08	5.73E-08	9.64E-08	1.06E-09	1.55E-07	8.89E-09	1.58E-08	1.59E-10	2.49E-08	8.64E-09	1.36E-08	2.02E-10	2.24E-08	4.91E-09	7.50E-09	4.99E-11	1.25E-08
4403	738957.75	4110256.95	5.65E-08	9.51E-08	1.05E-09	1.53E-07	8.76E-09	1.56E-08	1.57E-10	2.45E-08	8.52E-09	1.34E-08	2.00E-10	2.21E-08	4.84E-09	7.40E-09	4.92E-11	1.23E-08
4404	738949.95	4110212.82	5.53E-08	9.31E-08	1.03E-09	1.49E-07	8.58E-09	1.53E-08	1.54E-10	2.40E-08	8.34E-09	1.31E-08	1.95E-10	2.17E-08	4.74E-09	7.24E-09	4.82E-11	1.20E-08
4405	738942.16	4110168.69	5.39E-08	9.07E-08	1.00E-09	1.46E-07	8.36E-09	1.49E-08	1.50E-10	2.34E-08	8.13E-09	1.28E-08	1.90E-10	2.11E-08	4.62E-09	7.06E-09	4.70E-11	1.17E-08
4406	738934.37	4110124.57	5.23E-08	8.81E-08	9.71E-10	1.41E-07	8.12E-09	1.44E-08	1.46E-10	2.27E-08	7.89E-09	1.24E-08	1.85E-10	2.05E-08	4.48E-09	6.85E-09	4.56E-11	1.14E-08
4407	738926.58	4110080.44	5.07E-08	8.53E-08	9.41E-10	1.37E-07	7.86E-09	1.40E-08	1.41E-10	2.20E-08	7.65E-09	1.20E-08	1.79E-10	1.99E-08	4.35E-09	6.64E-09	4.42E-11	1.10E-08
4408	738922.68	4110058.37	4.99E-08	8.39E-08	9.25E-10	1.35E-07	7.73E-09	1.38E-08	1.39E-10	2.16E-08	7.52E-09	1.18E-08	1.76E-10	1.95E-08	4.27E-09	6.53E-09	4.34E-11	1.08E-08
4409	738914.89	4110014.25	4.82E-08	8.12E-08	8.95E-10	1.30E-07	7.48E-09	1.33E-08	1.34E-10	2.09E-08	7.27E-09	1.15E-08	1.70E-10	1.89E-08	4.13E-09	6.32E-09	4.20E-11	1.05E-08
4410	738907.1	4109970.12	4.67E-08	7.85E-08	8.65E-10	1.26E-07	7.24E-09	1.29E-08	1.30E-10	2.02E-08	7.04E-09	1.11E-08	1.65E-10	1.83E-08	4.00E-09	6.11E-09	4.06E-11	1.01E-08
4411	738899.31	4109925.99	4.51E-08	7.59E-08	8.37E-10	1.22E-07	7.00E-09	1.24E-08	1.26E-10	1.96E-08	6.80E-09	1.07E-08	1.59E-10	1.77E-08	3.87E-09	5.91E-09	3.93E-11	9.81E-09
4412	738891.52	4109881.86	4.36E-08	7.34E-08	8.09E-10	1.18E-07	6.77E-09	1.20E-08	1.21E-10	1.89E-08	6.58E-09	1.04E-08	1.54E-10	1.71E-08	3.74E-09	5.71E-09	3.80E-11	9.49E-09
4413	738883.73	4109837.74	4.22E-08	7.11E-08	7.83E-10	1.14E-07	6.55E-09	1.17E-08	1.17E-10	1.83E-08	6.37E-09	1.00E-08	1.49E-10	1.65E-08	3.62E-09	5.53E-09	3.68E-11	9.19E-09
4414	738875.94	4109793.61	4.09E-08	6.89E-08	7.59E-10	1.11E-07	6.35E-09	1.13E-08	1.14E-10	1.78E-08	6.17E-09	9.72E-09	1.45E-10	1.60E-08	3.51E-09	5.36E-09	3.57E-11	8.91E-09
4415	738868.15	4109749.48	3.98E-08	6.70E-08	7.38E-10	1.07E-07	6.17E-09	1.10E-08	1.11E-10	1.73E-08	6.00E-09	9.45E-09	1.41E-10	1.56E-08	3.41E-09	5.21E-09	3.47E-11	8.65E-09
4416	738860.35	4109705.35	3.88E-08	6.53E-08	7.20E-10	1.05E-07	6.02E-09	1.07E-08	1.08E-10	1.68E-08	5.85E-09	9.22E-09	1.37E-10	1.52E-08	3.33E-09	5.08E-09	3.38E-11	8.44E-09
4417	738852.56	4109661.23	3.81E-08	6.41E-08	7.06E-10	1.03E-07	5.90E-09	1.05E-08	1.06E-10	1.65E-08	5.74E-09	9.04E-09	1.34E-10	1.49E-08	3.26E-09	4.99E-09	3.32E-11	8.28E-09
4418	738844.77	4109617.1	3.75E-08	6.32E-08	6.96E-10	1.01E-07	5.82E-09	1.04E-08	1.04E-10	1.63E-08	5.66E-09	8.91E-09	1.33E-10	1.47E-08	3.22E-09	4.91E-09	3.27E-11	8.16E-09
4419	738836.98	4109572.97	3.72E-08	6.26E-08	6.90E-10	1.01E-07	5.77E-09	1.03E-08	1.04E-10	1.61E-08	5.61E-09	8.83E-09	1.31E-10	1.46E-08	3.19E-09	4.87E-09	3.24E-11	8.09E-09
4420	738829.19	4109528.84	3.71E-08	6.24E-08	6.88E-10	1.00E-07	5.75E-09	1.02E-08	1.03E-10	1.61E-08	5.59E-09	8.80E-09	1.31E-10	1.45E-08	3.18E-09	4.86E-09	3.23E-11	8.07E-09
4421	738821.4	4109484.72	3.71E-08	6.25E-08	6.89E-10	1.00E-07	5.76E-09	1.02E-08	1.03E-10	1.61E-08	5.60E-09	8.81E-09	1.31E-10	1.45E-08	3.18E-09	4.86E-09	3.23E-11	8.08E-09
4422	738813.61	4109440.59	3.73E-08	6.28E-08	6.92E-10	1.01E-07	5.78E-09	1.03E-08	1.04E-10	1.62E-08	5.62E-09	8.85E-09	1.32E-10	1.46E-08	3.20E-09	4.88E-09	3.25E-11	8.11E-09
4423	738805.82	4109396.46	3.75E-08	6.31E-08	6.96E-10	1.01E-07	5.82E-09	1.04E-08	1.04E-10	1.63E-08	5.66E-09	8.91E-09	1.33E-10	1.47E-08	3.22E-09	4.91E-09	3.27E-11	8.16E-09
4424	738798.03	4109352.33	3.78E-08	6.35E-08	7.00E-10	1.02E-07	5.86E-09	1.04E-08	1.05E-10	1.64E-08	5.69E-09	8.96E-09	1.33E-10	1.48E-08	3.24E-09	4.94E-09	3.29E-11	8.21E-09
4425	738806.99	4109311.92	3.82E-08	6.44E-08	7.09E-10	1.03E-07	5.93E-09	1.06E-08	1.06E-10	1.66E-08	5.77E-09	9.08E-09	1.35E-10	1.50E-08	3.28E-09	5.01E-09	3.33E-11	8.32E-09
4426	738819.85	4109293.58	3.86E-08	6.49E-08	7.16E-10	1.04E-07	5.99E-09	1.06E-08	1.07E-10	1.67E-08	5.82E-09	9.16E-09	1.36E-10	1.51E-08	3.31E-09	5.05E-09	3.36E-11	8.39E-09
4427	738845.58	4109256.89	3.92E-08	6.59E-08	7.27E-10	1.06E-07	6.08E-09	1.08E-08	1.09E-10	1.70E-08	5.91E-09	9.30E-09	1.38E-10	1.53E-08	3.36E-09	5.13E-09	3.41E-11	8.52E-09
4428	738858.44	4109238.54	3.94E-08	6.63E-08	7.31E-10	1.06E-07	6.11E-09	1.09E-08	1.10E-10	1.71E-08	5.94E-09	9.35E-09	1.39E-10	1.54E-08	3.38E-09	5.16E-09	3.43E-11	8.57E-09
4429	738884.16	4109201.85	3.97E-08	6.68E-08	7.36E-10	1.07E-07	6.15E-09	1.10E-08	1.10E-10	1.72E-08	5.98E-09	9.42E-09	1.40E-10	1.55E-08	3.40E-09	5.20E-09	3.46E-11	8.63E-09
4430	738909.88	4109165.16	3.97E-08	6.69E-08	7.37E-10	1.07E-07	6.16E-09	1.10E-08	1.11E-10	1.72E-08	5.99E-09	9.43E-09	1.40E-10	1.56E-08	3.40E-09	5.20E-09	3.46E-11	8.64E-09
4431	738922.75	4109146.81	3.97E-08	6.67E-08	7.36E-10	1.07E-07	6.15E-09	1.09E-08	1.10E-10	1.72E-08	5.98E-09	9.41E-09	1.40E-10	1.55E-08	3.40E-09	5.19E-09	3.45E-11	8.62E-09
4432	738948.47	4109110.12	3.93E-08	6.62E-08	7.29E-10	1.06E-07	6.10E-09	1.09E-08	1.09E-10	1.71E-08	5.93E-09	9.34E-09	1.39E-10	1.54E-08	3.37E-09	5.15E-09	3.43E-11	8.55E-09
4433	738974.19	4109073.43	3.88E-08	6.52E-08	7.19E-10	1.05E-07	6.01E-09	1.07E-08	1.08E-10	1.68E-08	5.85E-09	9.20E-09	1.37E-10	1.52E-08	3.32E-09	5.08E-09	3.38E-11	8.43E-09
4434	738987.05	4109055.08	3.84E-08	6.46E-08	7.12E-10	1.04E-07	5.95E-09	1.06E-08	1.07E-10	1.67E-08	5.79E-09	9.12E-09	1.36E-10	1.50E-08	3.29E-09	5.03E-09	3.35E-11	8.35E-09
4435	739012.78	4109018.39	3.75E-08	6.32E-08	6.96E-10	1.01E-07	5.82E-09	1.04E-08	1.04E-10	1.63E-08	5.66E-09	8.91E-09	1.33E-10	1.47E-08	3.22E-09	4.91E-09	3.27E-11	8.16E-09
4436	739025.64	4109000.05	3.70E-08	6.23E-08	6.87E-10	1.00E-07	5.74E-09	1.02E-08	1.03E-10	1.61E-08	5.58E-09	8.79E-09	1.31E-10	1.45E-08	3.17E-09	4.85E-09	3.23E-11	8.05E-09
4437	739051.36	4108963.35	3.59E-08	6.04E-08	6.66E-10	9.70E-08	5.57E-09	9.90E-09	9.99E-11	1.56E-08	5.41E-09	8.52E-09	1.27E-10	1.41E-08	3.08E-09	4.70E-09	3.13E-11	7.81E-09
4438	739077.08	4108926.66	3.46E-08	5.83E-08	6.42E-10	9.35E-08	5.37E-09	9.55E-09	9.63E-11	1.50E-08	5.22E-09	8.22E-09	1.22E-10	1.36E-08	2.97E-09	4.53E-09	3.02E-11	7.53E-09
4439	739089.95	4108908.32	3.40E-08	5.71E-08	6.30E-10	9.17E-08	5.27E-09	9.37E-09	9.45E-11	1.47E-08	5.12E-09	8.06E-09	1.20E-10	1.33E-08	2.91E-09	4.45E-09	2.96E-11	7.39E-09
4440	739115.67	4108871.63	3.26E-08	5.48E-08	6.05E-10	8.80E-08	5.05E-09	8.99E-09	9.07E-11	1.41E-08	4.91E-09	7.74E-09	1.15E-10	1.28E-08	2.79E-09	4.27E-09	2.84E-11	7.09E-09
4441	739128.53	4108853.28	3.19E-08	5.37E-08	5.92E-10	8.62E-08	4.95E-09	8.80E-09	8.87E-11	1.38E-08	4.81E-09	7.57E-09	1.13E-10	1.25E-08	2.73E-09	4.18E-09	2.78E-11	6.94E-09
4442	739154.25	4108816.59	3.05E-08	5.14E-08	5.66E-10	8.25E-08	4.74E-09	8.43E-09	8.50E-11	1.32E-08	4.61E-09	7.25E-09	1.08E-10	1.20E-08	2.62E-09	4.00E-09	2.66E-11	6.64E-09
4443	739179.98	4108779.9	2.93E-08	4.92E-08	5.43E-10	7.90E-08	4.54E-09	8.07E-09	8.14E-11	1.27E-08	4.41E-09	6.95E-09	1.03E-10	1.15E-08	2.51E-09	3.83E-09	2.55E-11	6.36E-09
4444	739192.84	4108761.55	2.87E-08	4.82E-08	5.32E-10	7.74E-08	4.44E-09	7.91E-09	7.97E-11	1.24E-08	4.32E-09	6.80E-09	1.01E-10	1.12E-08	2.46E-09	3.75E-09	2.50E-11	6.23E-09
4445	739218.56	4108724.86	2.76E-08	4.64E-08	5.11E-10	7.44E-08	4.27E-09	7.60E-09	7.67E-11	1.20E-08	4.16E-09	6.54E-09	9.74E-11	1.08E-08	2.36E-09	3.61E-09	2.40E-11	5.99E-09
4446	739244.29	4108688.17	2.66E-08	4.47E-08	4.93E-10	7.18E-08	4.12E-09	7.34E-09	7.40E-11	1.15E-08	4.01E-09	6.31E-09	9.39E-11	1.04E-08	2.28E-09	3.48E-09	2.32E-11	5.78E-09
4447	739257.15	4108669.82	2.62E-08	4.40E-08	4.85E-10	7.07E-08	4.06E-09	7.22E-09	7.28E-11	1.13E-08	3.95E-09	6.21E-09	9.24E-11	1.02E-08	2.24E-09	3.43E-09	2.28E-11	5.69E-09
4448	739282.87	4108633.13	2.54E-08	4.27E-08	4.71E-10	6.86E-08	3.94E-09	7.00E-09	7.06E-11	1.10E-08	3.83E-09	6.03E-09	8.97E-11	9.94E-09	2.17E-09	3.32E-09	2.21E-11	5.52E-09
4449	739295.73	4108614.78	2.50E-08	4.21E-08	4.64E-10	6.76E-08	3.88E-09	6.90E-09	6.96E-11	1.09E-08	3.77E-09	5.94E-09	8.84E-11	9.80E-09	2.14E-09	3.28E-09	2.18E-11	5.44E-09
4450	739321.45	4108578.09	2.44E-08	4.10E-08	4.52E-10	6.58E-08	3.78E-09	6.72E-09	6.78E-11	1.06E-08	3.67E-09	5.78E-09	8.60E-11	9.54E-09	2.09E-09	3.19E-09	2.12E-11	5.30E-09
4451	739347.18	4108541.4	2.37E-08	3.99E-08	4.39E-10	6.40E-08	3.67E-09	6.54E-09	6.59E-11	1.03E-08	3.57E-09	5.62E-09	8.37E-11	9.28E-09	2.03E-09	3.10E-09	2.06E-11	5.15E-09
4452	739360.04	4108523.06	2.33E-08	3.93E-08	4.33E-10	6.31E-08	3.62E-09	6.44E-09	6.49E-11	1.01E-08	3.52E-09	5.54E-09	8.25E-11	9.14E-09	2.00E-09	3.06E-09	2.03E-11	5.08E-09
4453	739385.76	4108486.36	2.26E-08	3.81E-08	4.20E-10	6.11E-08	3.51E-09	6.24E-09	6.30E-11	9.81E-09	3.41E-09	5.37E-09	7.99E-11	8.86E-09	1.94E-09	2.96E-09	1.97E-11	4.92E-09
4454	739411.49	4108449.67	2.18E-08	3.68E-08	4.05E-10	5.90E-08	3.39E-09	6.03E-09	6.08E-11	9.47E-09	3.29E-09	5.19E-09	7.72E-11	8.56E-09	1.87E-09	2.86E-09	1.90E-11	4.75E-09
4455	739424.35	4108431.33	2.14E-08	3.61E-08	3.98E-10	5.79E-08	3.32E-09	5.91E-09	5.96E-11	9.30E-09	3.23E-09	5.09E-09	7.57E-11	8.40E-09	1.84E-09	2.81E-09	1.87E-11	4.66E-09
4456	739450.07	4108394.64	2.06E-08	3.46E-08	3.82E-10	5.56E-08	3.19E-09	5.68E-09	5.73E-11	8.93E-09	3.10E-09	4.89E-09	7.27E-11	8.06E-09	1.76E-09	2.69E-09	1.79E-11	4.48E-09
4457	739462.93	4108376.29	2.01E-08	3.39E-08	3.74E-10	5.44E-08	3.12E-09	5.56E-09	5.60E-11	8.74E-09	3.04E-09	4.78E-09	7.12E-11	7.89E-09	1.73E-09	2.64E-09	1.75E-11	4.38E-09
4458	739488.66	4108339.6	1.93E-08	3.24E-08	3.58E-10	5.21E-08	2.99E-09	5.32E-09	5.36E-11	8.36E-09	2.91E-09	4.58E-09	6.81E-11	7.55E-09	1.65E-09	2.52E-09	1.68E-11	4.19E-09
4459	739514.38	4108302.91	1.85E-08	3.11E-08	3.42E-10	4.98E-08	2.86E-09	5.09E-09	5.13E-11	8.00E-09	2.78E-09	4.38E-09	6.52E-11	7.23E-09	1.58E-09	2.42E-09	1.61E-11	4.01E-09
4460	739527.24	4108284.56	1.81E-08	3.04E-08	3.35E-10	4.88E-08	2.80E-09	4.99E-09	5.03E-11	7.84E-09	2.73E-09	4.29E-09	6.38E-11	7.08E-09	1.55E-09	2.37E-09	1.57E-11	3.93E-09
4461	739552.96	4108247.87	1.74E-08	2.93E-08	3.23E-10	4.70E-08	2.70E-09	4.80E-09	4.84E-11	7.55E-09	2.62E-09	4.13E-09	6.15E-11	6.82E-09	1.49E-09	2.28E-09	1.52E-11	3.79E-09
4462	739578.69	4108211.18	1.69E-08	2.84E-08	3.13E-10	4.56E-08	2.62E-09	4.66E-09	4.70E-11	7.33E-09	2.55E-09	4.01E-09	5.97E-11	6.62E-09	1.45E-09	2.21E-09	1.47E-11	3.67E-09
4463	739591.55	4108192.83	1.67E-08	2.81E-08	3.10E-10	4.51E-08	2.59E-09	4.61E-09	4.65E-11	7.24E-09	2.52E-09	3.96E-09	5.90E-11	6.54E-09	1.43E-09	2.19E-09	1.45E-11	3.63E-09
4464	739617.27	4108156.14	1.64E-08	2.77E-08	3.05E-10	4.44E-08	2.55E-09	4.54E-09	4.58E-11	7.13E-09	2.48E-09	3.90E-09	5.81E-11	6.44E-09	1.41E-09	2.15E-09	1.43E-11	3.58E-09
4465	739630.13	4108137.8	1.64E-08	2.76E-08	3.04E-10	4.43E-08	2.54E-09	4.52E-09	4.56E-11	7.11E-09	2.47E-09	3.89E-09	5.79E-11	6.42E-09	1.40E-09	2.15E-09	1.43E-11	3.56E-09
4466	739655.86	4108101.1	1.64E-08	2.76E-08	3.04E-10	4.43E-08	2.54E-09	4.52E-09	4.56E-11	7.11E-09	2.47E-09	3.89E-09	5.79E-11	6.42E-09	1.40E-09	2.15E-09	1.43E-11	3.56E-09
4467	739681.58	4108064.41	1.65E-08	2.78E-08	3.06E-10	4.46E-08	2.56E-09	4.56E-09	4.60E-11	7.17E-09	2.49E-09	3.92E-09	5.84E-11	6.47E-09	1.42E-09	2.16E-09	1.44E-11	3.59E-09
4468	739694.44	4108046.07	1.66E-08	2.80E-08	3.09E-10	4.49E-08	2.58E-09	4.59E-09	4.63E-11	7.21E-09	2.51E-09	3.95E-09	5.88E-11	6.52E-09	1.43E-09	2.18E-09	1.45E-11	3.62E-09
4469	739720.16	4108009.38	1.69E-08	2.84E-08	3.13E-10	4.56E-08	2.62E-09	4.66E-09	4.70E-11	7.33E-09	2.55E-09	4.01E-09	5.97E-11	6.62E-09	1.45E-09	2.21E-09	1.47E-11	3.67E-09
4470	739733.03	4107991.03	1.70E-08	2.87E-08	3.16E-10	4.60E-08	2.64E-09	4.70E-09	4.74E-11	7.39E-09	2.57E-09	4.05E-09	6.02E-11	6.68E-09	1.46E-09	2.23E-09	1.49E-11	3.71E-09
4471	739758.75	4107954.34	1.74E-08	2.92E-08	3.22E-10	4.69E-08	2.69E-09	4.79E-09	4.83E-11	7.53E-09	2.62E-09	4.12E-09	6.13E-11	6.80E-09	1.49E-09	2.27E-09	1.51E-11	3.78E-09
4472	739784.47	4107917.65	1.77E-08	2.97E-08	3.28E-10	4.77E-08	2.74E-09	4.87E-09	4.91E-11	7.66E-09	2.66E-09	4.19E-09	6.24E-11	6.92E-09	1.51E-09	2.31E-09	1.54E-11	3.84E-09
4473	739797.33	4107899.3	1.78E-08	2.99E-08	3.30E-10	4.81E-08	2.76E-09	4.91E-09	4.95E-11	7.72E-09	2.68E-09	4.22E-09	6.29E-11	6.97E-09	1.52E-09	2.33E-09	1.55E-11	3.87E-09
4474	739823.06	4107862.61	1.80E-08	3.03E-08	3.34E-10	4.87E-08	2.79E-09	4.97E-09	5.01E-11	7.82E-09	2.72E-09	4.28E-09	6.37E-11	7.06E-09	1.54E-09	2.36E-09	1.57E-11	3.92E-09
4475	739848.78	4107825.92	1.82E-08	3.06E-08	3.37E-10	4.91E-08	2.82E-09	5.02E-09	5.06E-11	7.89E-09	2.74E-09	4.32E-09	6.43E-11	7.13E-09	1.56E-09	2.38E-09	1.58E-11	3.96E-09
4476	739861.64	4107807.57	1.82E-08	3.07E-08	3.38E-10	4.93E-08	2.83E-09	5.03E-09	5.08E-11	7.92E-09	2.75E-09	4.33E-09	6.45E-11	7.15E-09	1.56E-09	2.39E-09	1.59E-11	3.97E-09
4477	739887.36	4107770.88	1.83E-08	3.08E-08	3.40E-10	4.95E-08	2.84E-09	5.05E-09	5.10E-11	7.94E-09	2.76E-09	4.35E-09	6.47E-11	7.18E-09	1.57E-09	2.40E-09	1.60E-11	3.98E-09
4478	739900.23	4107752.53	1.83E-08	3.09E-08	3.40E-10	4.95E-08	2.84E-09	5.06E-09	5.10E-11	7.95E-09	2.76E-09	4.35E-09	6.48E-11	7.18E-09	1.57E-09	2.40E-09	1.60E-11	3.99E-09
4479	739925.95	4107715.84	1.83E-08	3.08E-08	3.40E-10	4.95E-08	2.84E-09	5.06E-09	5.10E-11	7.95E-09	2.76E-09	4.35E-09	6.47E-11	7.18E-09	1.57E-09	2.40E-09	1.60E-11	3.99E-09
4480	739951.67	4107679.15	1.83E-08	3.07E-08	3.39E-10	4.93E-08	2.83E-09	5.04E-09	5.08E-11	7.92E-09	2.75E-09	4.34E-09	6.45E-11	7.16E-09	1.57E-09	2.39E-09	1.59E-11	3.97E-09
4481	739964.53	4107660.81	1.82E-08	3.07E-08	3.38E-10	4.92E-08	2.82E-09	5.03E-09	5.07E-11	7.90E-09	2.75E-09	4.32E-09	6.43E-11	7.14E-09	1.56E-09	2.39E-09	1.59E-11	3.96E-09
4482	739990.26	4107624.11	1.81E-08	3.05E-08	3.36E-10	4.89E-08	2.81E-09	4.99E-09	5.04E-11	7.85E-09	2.73E-09	4.30E-09	6.39E-11	7.09E-09	1.55E-09	2.37E-09	1.58E-11	3.94E-09
4483	740015.98	4107587.42	1.79E-08	3.02E-08	3.33E-10	4.84E-08	2.78E-09	4.95E-09	4.99E-11	7.78E-09	2.70E-09	4.26E-09	6.33E-11	7.02E-09	1.54E-09	2.35E-09	1.56E-11	3.90E-09
4484	740028.84	4107569.08	1.78E-08	3.00E-08	3.31E-10	4.82E-08	2.77E-09	4.92E-09	4.96E-11	7.74E-09	2.69E-09	4.23E-09	6.30E-11	6.99E-09	1.53E-09	2.34E-09	1.55E-11	3.88E-09

4485	740054.57	4107532.39	1.76E-08	2.96E-08	3.27E-10	4.76E-08	2.73E-09	4.86E-09	4.90E-11	7.64E-09	2.66E-09	4.18E-09	6.22E-11	6.90E-09	1.51E-09	2.31E-09	1.53E-11	3.83E-09
4486	740067.43	4107514.04	1.75E-08	2.94E-08	3.24E-10	4.72E-08	2.71E-09	4.82E-09	4.86E-11	7.58E-09	2.64E-09	4.15E-09	6.17E-11	6.85E-09	1.50E-09	2.29E-09	1.52E-11	3.80E-09
4487	740093.15	4107477.35	1.72E-08	2.89E-08	3.18E-10	4.64E-08	2.66E-09	4.74E-09	4.78E-11	7.44E-09	2.59E-09	4.07E-09	6.06E-11	6.72E-09	1.47E-09	2.25E-09	1.50E-11	3.73E-09
4488	740118.87	4107440.66	1.68E-08	2.82E-08	3.11E-10	4.53E-08	2.60E-09	4.63E-09	4.67E-11	7.28E-09	2.53E-09	3.98E-09	5.93E-11	6.57E-09	1.44E-09	2.20E-09	1.46E-11	3.65E-09
4489	740131.73	4107422.31	1.66E-08	2.79E-08	3.07E-10	4.48E-08	2.57E-09	4.57E-09	4.61E-11	7.19E-09	2.50E-09	3.93E-09	5.85E-11	6.49E-09	1.42E-09	2.17E-09	1.44E-11	3.60E-09
4490	739219.18	4111688.02	3.86E-08	6.49E-08	7.15E-10	1.04E-07	5.98E-09	1.06E-08	1.07E-10	1.67E-08	5.81E-09	9.15E-09	1.36E-10	1.51E-08	3.30E-09	5.05E-09	3.36E-11	8.39E-09
4491	739231.29	4111707.01	3.87E-08	6.51E-08	7.17E-10	1.04E-07	6.00E-09	1.07E-08	1.08E-10	1.68E-08	5.83E-09	9.18E-09	1.37E-10	1.51E-08	3.31E-09	5.06E-09	3.37E-11	8.41E-09
4492	739243.4	4111726	3.88E-08	6.53E-08	7.19E-10	1.05E-07	6.01E-09	1.07E-08	1.08E-10	1.68E-08	5.85E-09	9.21E-09	1.37E-10	1.52E-08	3.32E-09	5.08E-09	3.38E-11	8.43E-09
4493	739255.52	4111744.98	3.89E-08	6.54E-08	7.21E-10	1.05E-07	6.03E-09	1.07E-08	1.08E-10	1.69E-08	5.86E-09	9.23E-09	1.37E-10	1.52E-08	3.33E-09	5.09E-09	3.39E-11	8.46E-09
4494	739267.63	4111763.97	3.90E-08	6.57E-08	7.24E-10	1.05E-07	6.05E-09	1.08E-08	1.09E-10	1.69E-08	5.88E-09	9.26E-09	1.38E-10	1.53E-08	3.34E-09	5.11E-09	3.40E-11	8.49E-09
4495	739279.74	4111782.96	3.91E-08	6.59E-08	7.26E-10	1.06E-07	6.07E-09	1.08E-08	1.09E-10	1.70E-08	5.90E-09	9.29E-09	1.38E-10	1.53E-08	3.35E-09	5.13E-09	3.41E-11	8.51E-09
4496	739291.86	4111801.95	3.93E-08	6.61E-08	7.28E-10	1.06E-07	6.09E-09	1.08E-08	1.09E-10	1.70E-08	5.92E-09	9.32E-09	1.39E-10	1.54E-08	3.36E-09	5.14E-09	3.42E-11	8.54E-09
4497	739303.97	4111820.93	3.93E-08	6.62E-08	7.30E-10	1.06E-07	6.10E-09	1.09E-08	1.09E-10	1.71E-08	5.93E-09	9.34E-09	1.39E-10	1.54E-08	3.37E-09	5.15E-09	3.43E-11	8.56E-09
4498	739316.08	4111839.92	3.94E-08	6.63E-08	7.31E-10	1.06E-07	6.11E-09	1.09E-08	1.10E-10	1.71E-08	5.94E-09	9.35E-09	1.39E-10	1.54E-08	3.38E-09	5.16E-09	3.43E-11	8.57E-09
4499	741943.48	4110193.41	2.83E-06	4.77E-06	5.25E-08	7.65E-06	4.39E-07	7.82E-07	7.88E-09	1.23E-06	4.27E-07	6.73E-07	1.00E-08	1.11E-06	2.43E-07	3.71E-07	2.47E-09	6.16E-07
4500	741963.59	4110179.92	3.20E-06	5.38E-06	5.93E-08	8.64E-06	4.96E-07	8.82E-07	8.90E-09	1.39E-06	4.82E-07	7.59E-07	1.13E-08	1.25E-06	2.74E-07	4.19E-07	2.79E-09	6.96E-07
4501	741983.7	4110166.43	3.61E-06	6.07E-06	6.69E-08	9.74E-06	5.59E-07	9.95E-07	1.00E-08	1.56E-06	5.44E-07	8.56E-07	1.27E-08	1.41E-06	3.09E-07	4.72E-07	3.14E-09	7.85E-07
4502	742003.81	4110152.93	4.02E-06	6.76E-06	7.45E-08	1.09E-05	6.23E-07	1.11E-06	1.12E-08	1.74E-06	6.06E-07	9.54E-07	1.42E-08	1.57E-06	3.44E-07	5.26E-07	3.50E-09	8.74E-07
4503	742023.92	4110139.44	4.40E-06	7.40E-06	8.16E-08	1.19E-05	6.82E-07	1.21E-06	1.22E-08	1.91E-06	6.63E-07	1.04E-06	1.55E-08	1.72E-06	3.77E-07	5.76E-07	3.83E-09	9.57E-07
4504	742044.03	4110125.95	4.73E-06	7.96E-06	8.77E-08	1.28E-05	7.33E-07	1.30E-06	1.32E-08	2.05E-06	7.13E-07	1.12E-06	1.67E-08	1.85E-06	4.05E-07	6.19E-07	4.12E-09	1.03E-06
4505	742064.14	4110112.46	5.00E-06	8.41E-06	9.27E-08	1.35E-05	7.75E-07	1.38E-06	1.39E-08	2.17E-06	7.54E-07	1.19E-06	1.77E-08	1.96E-06	4.28E-07	6.54E-07	4.35E-09	1.09E-06
4506	742084.25	4110098.96	5.22E-06	8.78E-06	9.68E-08	1.41E-05	8.09E-07	1.44E-06	1.45E-08	2.26E-06	7.87E-07	1.24E-06	1.84E-08	2.04E-06	4.47E-07	6.83E-07	4.54E-09	1.13E-06
4507	742104.36	4110085.47	5.40E-06	9.08E-06	1.00E-07	1.46E-05	8.37E-07	1.49E-06	1.50E-08	2.34E-06	8.14E-07	1.28E-06	1.91E-08	2.11E-06	4.62E-07	7.07E-07	4.70E-09	1.17E-06
4508	742124.47	4110071.98	5.54E-06	9.33E-06	1.03E-07	1.50E-05	8.60E-07	1.53E-06	1.54E-08	2.40E-06	8.36E-07	1.32E-06	1.96E-08	2.17E-06	4.75E-07	7.26E-07	4.83E-09	1.21E-06
4509	742144.58	4110058.49	5.67E-06	9.53E-06	1.05E-07	1.53E-05	8.79E-07	1.56E-06	1.58E-08	2.46E-06	8.54E-07	1.35E-06	2.00E-08	2.22E-06	4.85E-07	7.42E-07	4.94E-09	1.23E-06
4510	742164.69	4110044.99	5.76E-06	9.70E-06	1.07E-07	1.56E-05	8.94E-07	1.59E-06	1.60E-08	2.50E-06	8.69E-07	1.37E-06	2.04E-08	2.26E-06	4.94E-07	7.55E-07	5.02E-09	1.25E-06
4511	742184.8	4110031.5	5.83E-06	9.81E-06	1.08E-07	1.57E-05	9.04E-07	1.61E-06	1.62E-08	2.53E-06	8.79E-07	1.38E-06	2.06E-08	2.28E-06	4.99E-07	7.63E-07	5.08E-09	1.27E-06
4512	742204.91	4110018.01	5.84E-06	9.83E-06	1.08E-07	1.58E-05	9.06E-07	1.61E-06	1.63E-08	2.53E-06	8.81E-07	1.39E-06	2.06E-08	2.29E-06	5.01E-07	7.65E-07	5.09E-09	1.27E-06
4513	741977.52	4110200.68	2.27E-06	3.81E-06	4.20E-08	6.12E-06	3.52E-07	6.25E-07	6.31E-09	9.83E-07	3.42E-07	5.38E-07	8.01E-09	8.88E-07	1.94E-07	2.97E-07	1.97E-09	4.93E-07
4514	741997.63	4110187.19	2.48E-06	4.17E-06	4.59E-08	6.69E-06	3.84E-07	6.83E-07	6.89E-09	1.07E-06	3.73E-07	5.88E-07	8.75E-09	9.70E-07	2.12E-07	3.24E-07	2.16E-09	5.39E-07
4515	742017.74	4110173.69	2.69E-06	4.53E-06	4.99E-08	7.27E-06	4.17E-07	7.43E-07	7.49E-09	1.17E-06	4.06E-07	6.39E-07	9.51E-09	1.05E-06	2.31E-07	3.52E-07	2.35E-09	5.85E-07
4516	742037.85	4110160.2	2.90E-06	4.87E-06	5.37E-08	7.82E-06	4.49E-07	7.99E-07	8.06E-09	1.26E-06	4.37E-07	6.87E-07	1.02E-08	1.13E-06	2.48E-07	3.79E-07	2.52E-09	6.30E-07
4517	742057.96	4110146.71	3.08E-06	5.18E-06	5.71E-08	8.31E-06	4.77E-07	8.49E-07	8.56E-09	1.33E-06	4.64E-07	7.30E-07	1.09E-08	1.21E-06	2.64E-07	4.03E-07	2.68E-09	6.69E-07
4518	742078.07	4110133.22	3.23E-06	5.44E-06	5.99E-08	8.73E-06	5.01E-07	8.91E-07	8.99E-09	1.40E-06	4.87E-07	7.67E-07	1.14E-08	1.27E-06	2.77E-07	4.23E-07	2.81E-09	7.03E-07
4519	742098.18	4110119.72	3.36E-06	5.65E-06	6.23E-08	9.07E-06	5.21E-07	9.26E-07	9.34E-09	1.46E-06	5.06E-07	7.97E-07	1.19E-08	1.31E-06	2.88E-07	4.40E-07	2.92E-09	7.30E-07
4520	742118.29	4110106.23	3.46E-06	5.83E-06	6.42E-08	9.35E-06	5.37E-07	9.55E-07	9.63E-09	1.50E-06	5.22E-07	8.22E-07	1.22E-08	1.36E-06	2.97E-07	4.53E-07	3.02E-09	7.53E-07
4521	742138.4	4110092.74	3.55E-06	5.98E-06	6.59E-08	9.59E-06	5.51E-07	9.80E-07	9.88E-09	1.54E-06	5.36E-07	8.43E-07	1.25E-08	1.39E-06	3.04E-07	4.65E-07	3.09E-09	7.72E-07
4522	742158.51	4110079.25	3.62E-06	6.09E-06	6.72E-08	9.78E-06	5.62E-07	9.99E-07	1.01E-08	1.57E-06	5.46E-07	8.60E-07	1.28E-08	1.42E-06	3.10E-07	4.74E-07	3.16E-09	7.88E-07
4523	742178.62	4110065.76	3.67E-06	6.18E-06	6.81E-08	9.92E-06	5.69E-07	1.01E-06	1.02E-08	1.59E-06	5.54E-07	8.72E-07	1.30E-08	1.44E-06	3.15E-07	4.81E-07	3.20E-09	7.98E-07
4524	742198.73	4110052.26	3.70E-06	6.22E-06	6.86E-08	9.99E-06	5.73E-07	1.02E-06	1.03E-08	1.60E-06	5.58E-07	8.78E-07	1.31E-08	1.45E-06	3.17E-07	4.84E-07	3.22E-09	8.04E-07
4525	741898.25	4110235.04	1.87E-06	3.16E-06	3.48E-08	5.06E-06	2.91E-07	5.17E-07	5.22E-09	8.13E-07	2.83E-07	4.45E-07	6.62E-09	7.34E-07	1.61E-07	2.45E-07	1.63E-09	4.08E-07
4526	741991.45	4110221.44	1.72E-06	2.89E-06	3.19E-08	4.64E-06	2.67E-07	4.74E-07	4.78E-09	7.46E-07	2.59E-07	4.08E-07	6.07E-09	6.73E-07	1.47E-07	2.25E-07	1.50E-09	3.74E-07
4527	742011.56	4110207.95	1.84E-06	3.10E-06	3.42E-08	4.97E-06	2.86E-07	5.08E-07	5.12E-09	7.99E-07	2.78E-07	4.37E-07	6.50E-09	7.21E-07	1.58E-07	2.41E-07	1.60E-09	4.00E-07
4528	742031.67	4110194.45	1.97E-06	3.31E-06	3.65E-08	5.31E-06	3.05E-07	5.43E-07	5.47E-09	8.53E-07	2.97E-07	4.67E-07	6.95E-09	7.71E-07	1.69E-07	2.58E-07	1.71E-09	4.28E-07
4529	742051.78	4110180.96	2.09E-06	3.51E-06	3.87E-08	5.64E-06	3.24E-07	5.76E-07	5.81E-09	9.06E-07	3.15E-07	4.96E-07	7.38E-09	8.18E-07	1.79E-07	2.73E-07	1.82E-09	4.54E-07
4530	742071.89	4110167.47	2.20E-06	3.70E-06	4.08E-08	5.94E-06	3.41E-07	6.06E-07	6.12E-09	9.53E-07	3.31E-07	5.22E-07	7.76E-09	8.61E-07	1.88E-07	2.88E-07	1.91E-09	4.78E-07
4531	742092	4110153.98	2.29E-06	3.86E-06	4.25E-08	6.19E-06	3.55E-07	6.32E-07	6.38E-09	9.94E-07	3.46E-07	5.44E-07	8.10E-09	8.98E-07	1.96E-07	3.00E-07	2.00E-09	4.99E-07
4532	742112.11	4110140.48	2.37E-06	3.99E-06	4.40E-08	6.41E-06	3.68E-07	6.54E-07	6.60E-09	1.03E-06	3.58E-07	5.63E-07	8.38E-09	9.29E-07	2.03E-07	3.10E-07	2.07E-09	5.16E-07
4533	742132.22	4110126.99	2.44E-06	4.10E-06	4.52E-08	6.59E-06	3.78E-07	6.73E-07	6.78E-09	1.06E-06	3.68E-07	5.79E-07	8.61E-09	9.55E-07	2.09E-07	3.19E-07	2.12E-09	5.30E-07
4534	742152.33	4110113.5	2.50E-06	4.20E-06	4.63E-08	6.74E-06	3.87E-07	6.89E-07	6.95E-09	1.08E-06	3.76E-07	5.93E-07	8.82E-09	9.78E-07	2.14E-07	3.27E-07	2.18E-09	5.43E-07
4535	742172.44	4110100.01	2.54E-06	4.28E-06	4.72E-08	6.87E-06	3.94E-07	7.01E-07	7.07E-09	1.10E-06	3.83E-07	6.04E-07	8.98E-09	9.96E-07	2.18E-07	3.33E-07	2.21E-09	5.53E-07
4536	742192.55	4110086.52	2.57E-06	4.33E-06	4.77E-08	6.95E-06	3.99E-07	7.09E-07	7.15E-09	1.12E-06	3.88E-07	6.10E-07	9.08E-09	1.01E-06	2.20E-07	3.37E-07	2.24E-09	5.59E-07
4537	742212.66	4110073.02	2.58E-06	4.34E-06	4.79E-08	6.97E-06	4.00E-07	7.12E-07	7.18E-09	1.12E-06	3.89E-07	6.13E-07	9.12E-09	1.01E-06	2.21E-07	3.38E-07	2.25E-09	5.61E-07
4538	742232.77	4110059.53	2.56E-06	4.31E-06	4.75E-08	6.92E-06	3.97E-07	7.07E-07	7.13E-09	1.11E-06	3.86E-07	6.08E-07	9.05E-09	1.00E-06	2.20E-07	3.36E-07	2.23E-09	5.57E-07
4539	741928.14	4110266.82	1.36E-06	2.29E-06	2.52E-08	3.67E-06	2.11E-07	3.75E-07	3.78E-09	5.89E-07	2.05E-07	3.22E-07	4.80E-09	5.32E-07	1.16E-07	1.78E-07	1.18E-09	2.95E-07
4540	741893.13	4110259.51	1.50E-06	2.52E-06	2.78E-08	4.05E-06	2.32E-07	4.13E-07	4.17E-09	6.50E-07	2.26E-07	3.56E-07	5.29E-09	5.87E-07	1.28E-07	1.96E-07	1.31E-09	3.26E-07
4541	742005.37	4110242.2	1.36E-06	2.28E-06	2.52E-08	3.67E-06	2.11E-07	3.75E-07	3.78E-09	5.89E-07	2.05E-07	3.22E-07	4.80E-09	5.32E-07	1.16E-07	1.78E-07	1.18E-09	2.95E-07
4542	742025.48	4110228.71	1.43E-06	2.41E-06	2.66E-08	3.87E-06	2.22E-07	3.96E-07	3.99E-09	6.22E-07	2.16E-07	3.40E-07	5.07E-09	5.62E-07	1.23E-07	1.88E-07	1.25E-09	3.12E-07
4543	742045.59	4110215.21	1.51E-06	2.55E-06	2.81E-08	4.09E-06	2.35E-07	4.18E-07	4.21E-09	6.56E-07	2.28E-07	3.59E-07	5.35E-09	5.93E-07	1.30E-07	1.98E-07	1.32E-09	3.29E-07
4544	742065.7	4110201.72	1.59E-06	2.68E-06	2.95E-08	4.30E-06	2.47E-07	4.39E-07	4.42E-09	6.90E-07	2.40E-07	3.78E-07	5.62E-09	6.23E-07	1.36E-07	2.08E-07	1.39E-09	3.46E-07
4545	742085.81	4110188.23	1.66E-06	2.80E-06	3.08E-08	4.49E-06	2.58E-07	4.58E-07	4.62E-09	7.21E-07	2.51E-07	3.95E-07	5.87E-09	6.51E-07	1.42E-07	2.18E-07	1.45E-09	3.61E-07
4546	742105.92	4110174.74	1.72E-06	2.90E-06	3.20E-08	4.66E-06	2.67E-07	4.76E-07	4.80E-09	7.48E-07	2.60E-07	4.09E-07	6.09E-09	6.76E-07	1.48E-07	2.26E-07	1.50E-09	3.75E-07
4547	742126.03	4110161.25	1.78E-06	2.99E-06	3.30E-08	4.80E-06	2.76E-07	4.90E-07	4.94E-09	7.71E-07	2.68E-07	4.22E-07	6.28E-09	6.96E-07	1.52E-07	2.33E-07	1.55E-09	3.86E-07
4548	742146.14	4110147.75	1.82E-06	3.06E-06	3.38E-08	4.92E-06	2.82E-07	5.02E-07	5.07E-09	7.90E-07	2.75E-07	4.32E-07	6.43E-09	7.13E-07	1.56E-07	2.38E-07	1.59E-09	3.96E-07
4549	742166.25	4110134.26	1.86E-06	3.13E-06	3.45E-08	5.02E-06	2.88E-07	5.13E-07	5.18E-09	8.07E-07	2.80E-07	4.42E-07	6.57E-09	7.29E-07	1.59E-07	2.44E-07	1.62E-09	4.05E-07
4550	742186.36	4110120.77	1.89E-06	3.18E-06	3.51E-08	5.11E-06	2.93E-07	5.22E-07	5.26E-09	8.20E-07	2.85E-07	4.49E-07	6.68E-09	7.41E-07	1.62E-07	2.48E-07	1.65E-09	4.11E-07
4551	742206.47	4110107.28	1.91E-06	3.21E-06	3.54E-08	5.15E-06	2.96E-07	5.26E-07	5.31E-09	8.27E-07	2.88E-07	4.53E-07	6.74E-09	7.47E-07	1.63E-07	2.50E-07	1.66E-09	4.15E-07
4552	742226.58	4110093.78	1.91E-06	3.21E-06	3.54E-08	5.15E-06	2.96E-07	5.26E-07	5.30E-09	8.27E-07	2.87E-07	4.52E-07	6.73E-09	7.47E-07	1.63E-07	2.50E-07	1.66E-09	4.15E-07
4553	741967.42	4110306.12	9.43E-07	1.59E-06	1.75E-08	2.55E-06	1.46E-07	2.60E-07	2.62E-09	4.09E-07	1.42E-07	2.24E-07	3.33E-09	3.69E-07	8.08E-08	1.24E-07	8.22E-10	2.05E-07
4554	741944.57	4110310.57	9.62E-07	1.62E-06	1.78E-08	2.60E-06	1.49E-07	2.65E-07	2.68E-09	4.17E-07	1.45E-07	2.28E-07	3.40E-09	3.77E-07	8.24E-08	1.26E-07	8.38E-10	2.09E-07
4555	741921.72	4110315.03	9.69E-07	1.63E-06	1.80E-08	2.62E-06	1.50E-07	2.67E-07	2.69E-09	4.20E-07	1.46E-07	2.30E-07	3.42E-09	3.79E-07	8.30E-08	1.27E-07	8.44E-10	2.11E-07
4556	741879.71	4110306.25	1.06E-06	1.78E-06	1.96E-08	2.85E-06	1.64E-07	2.92E-07	2.94E-09	4.58E-07	1.59E-07	2.51E-07	3.73E-09	4.14E-07	9.05E-08	1.38E-07	9.20E-10	2.30E-07
4557	741860.56	4110293.02	1.15E-06	1.94E-06	2.14E-08	3.12E-06	1.79E-07	3.18E-07	3.21E-09	5.01E-07	1.74E-07	2.74E-07	4.08E-09	4.52E-07	9.89E-08	1.51E-07	1.01E-09	2.51E-07
4558	741841.4	4110279.79	1.26E-06	2.11E-06	2.33E-08	3.39E-06	1.95E-07	3.47E-07	3.49E-09	5.45E-07	1.89E-07	2.98E-07	4.44E-09	4.92E-07	1.08E-07	1.64E-07	1.09E-09	2.73E-07
4559	741822.25	4110266.56	1.37E-06	2.30E-06	2.54E-08	3.69E-06	2.12E-07	3.77E-07	3.80E-09	5.93E-07	2.06E-07	3.25E-07	4.83E-09	5.36E-07	1.17E-07	1.79E-07	1.19E-09	2.97E-07
4560	742013.12	4110297.21	8.87E-07	1.49E-06	1.65E-08	2.40E-06	1.38E-07	2.45E-07	2.47E-09	3.85E-07	1.34E-07	2.11E-07	3.13E-09	3.47E-07	7.60E-08	1.16E-07	7.73E-10	1.93E-07
4561	742033.23	4110283.72	9.15E-07	1.54E-06	1.70E-08	2.47E-06	1.42E-07	2.52E-07	2.55E-09	3.97E-07	1.38E-07	2.17E-07	3.23E-09	3.58E-07	7.84E-08	1.20E-07	7.97E-10	1.99E-07
4562	742053.34	4110270.23	9.49E-07	1.60E-06	1.76E-08	2.56E-06	1.47E-07	2.62E-07	2.64E-09	4.12E-07	1.43E-07	2.25E-07	3.35E-09	3.72E-07	8.13E-08	1.24E-07	8.27E-10	2.06E-07
4563	742073.45	4110256.74	9.85E-07	1.66E-06	1.83E-08	2.66E-06	1.53E-07	2.72E-07	2.74E-09	4.27E-07	1.49E-07	2.34E-07	3.48E-09	3.86E-07	8.44E-08	1.29E-07	8.58E-10	2.14E-07
4564	742093.56	4110243.24	1.02E-06	1.72E-06	1.89E-08	2.76E-06	1.58E-07	2.82E-07	2.84E-09	4.43E-07	1.54E-07	2.42E-07	3.61E-09	4.00E-07	8.75E-08	1.34E-07	8.89E-10	2.22E-07
4565	742113.67	4110229.75	1.05E-06	1.77E-06	1.96E-08	2.85E-06	1.64E-07	2.91E-07	2.93E-09	4.57E-07	1.59E-07	2.50E-07	3.72E-09	4.13E-07	9.04E-08	1.38E-07	9.19E-10	2.29E-07
4566	742133.78	4110216.26	1.08E-06	1.83E-06	2.01E-08	2.93E-06	1.68E-07	2.99E-07	3.02E-09	4.71E-07	1.64E-07	2.58E-07	3.83E-09	4.25E-07	9.29E-08	1.42E-07	9.45E-10	2.36E-07
4567	742153.89	4110202.77	1.11E-06	1.87E-06	2.06E-08	3.00E-06	1.72E-07	3.06E-07	3.09E-09	4.81E-07	1.67E-07	2.63E-07	3.92E-09	4.35E-07	9.51E-08	1.45E-07	9.67E-10	2.41E-07
4568	742174	4110189.27	1.13E-06	1.90E-06	2.10E-08	3.05E-06	1.75E-07	3.12E-07	3.14E-09	4.90E-07	1.70E-07	2.68E-07	3.99E-09	4.43E-07	9.68E-08	1.48E-07	9.85E-10	2.46E-07
4569	742194.11	4110175.78	1.15E-06	1.93E-06	2.13E-08	3.10E-06	1.78E-07	3.17E-07	3.20E-09	4.98E-07	1.73E-07	2.73E-07	4.06E-09	4.50E-07	9.84E-08	1.50E-07	1.00E-09	2.50E-07
4570	742214.22	4110162.29	1.16E-06	1.96E-06	2.16E-08	3.14E-06	1.80E-07	3.21E-07	3.24E-09	5.05E-07	1.75E-07	2.76E-07	4.11E-09	4.56E-07	9.97E-08	1.52E-07	1.01E-09	2.53E-07
4571	742234.33	4110148.8	1.17E-06	1.97E-06	2.17E-08	3.16E-06	1.82E-07	3.23E-07	3.26E-09	5.08E-07	1.77E-07	2.78E-07	4.14E-09	4.59E-07	1.00E-07	1.53E-07	1.02E-09	2.55E-07
4572	742254.44	4110135.3	1.17E-06	1.97E-06	2.17E-08	3.16E-06	1.82E-07	3.23E-07	3.26E-09	5.08E-07	1.77E-07	2.78E-07	4.14E-09	4.59E-07	1.00E-07	1.53E-07	1.02E-09	2.55E-07

4573	742274.55	4110121.81	1.16E-06	1.96E-06	2.16E-08	3.14E-06	1.81E-07	3.21E-07	3.24E-09	5.05E-07	1.76E-07	2.76E-07	4.11E-09	4.56E-07	9.98E-08	1.52E-07	1.01E-09	2.53E-07
4574	741975.69	4110351.46	7.10E-07	1.19E-06	1.32E-08	1.92E-06	1.10E-07	1.96E-07	1.98E-09	3.08E-07	1.07E-07	1.69E-07	2.51E-09	2.78E-07	6.08E-08	9.30E-08	6.19E-10	1.54E-07
4575	741932.17	4110359.94	7.33E-07	1.23E-06	1.36E-08	1.98E-06	1.14E-07	2.02E-07	2.04E-09	3.18E-07	1.11E-07	1.74E-07	2.59E-09	2.87E-07	6.28E-08	9.60E-08	6.39E-10	1.59E-07
4576	741870.4	4110355.82	7.84E-07	1.32E-06	1.45E-08	2.12E-06	1.22E-07	2.16E-07	2.18E-09	3.40E-07	1.18E-07	1.86E-07	2.77E-09	3.07E-07	6.72E-08	1.03E-07	6.83E-10	1.71E-07
4577	741833.91	4110330.62	8.94E-07	1.50E-06	1.66E-08	2.41E-06	1.39E-07	2.47E-07	2.49E-09	3.88E-07	1.35E-07	2.12E-07	3.16E-09	3.50E-07	7.66E-08	1.17E-07	7.79E-10	1.94E-07
4578	741797.43	4110305.42	1.02E-06	1.72E-06	1.89E-08	2.75E-06	1.58E-07	2.81E-07	2.84E-09	4.42E-07	1.54E-07	2.42E-07	3.60E-09	3.99E-07	8.73E-08	1.33E-07	8.88E-10	2.22E-07
4579	742061.09	4110325.24	6.61E-07	1.11E-06	1.23E-08	1.78E-06	1.02E-07	1.82E-07	1.84E-09	2.87E-07	9.96E-08	1.57E-07	2.33E-09	2.59E-07	5.66E-08	8.65E-08	5.76E-10	1.44E-07
4580	742081.2	4110311.75	6.76E-07	1.14E-06	1.25E-08	1.83E-06	1.05E-07	1.86E-07	1.88E-09	2.93E-07	1.02E-07	1.60E-07	2.39E-09	2.65E-07	5.79E-08	8.85E-08	5.89E-10	1.47E-07
4581	742101.31	4110298.26	6.94E-07	1.17E-06	1.29E-08	1.87E-06	1.08E-07	1.91E-07	1.93E-09	3.01E-07	1.05E-07	1.65E-07	2.45E-09	2.72E-07	5.95E-08	9.09E-08	6.05E-10	1.51E-07
4582	742121.42	4110284.76	7.12E-07	1.20E-06	1.32E-08	1.92E-06	1.10E-07	1.96E-07	1.98E-09	3.09E-07	1.07E-07	1.69E-07	2.52E-09	2.79E-07	6.10E-08	9.32E-08	6.20E-10	1.55E-07
4583	742141.53	4110271.27	7.29E-07	1.23E-06	1.35E-08	1.97E-06	1.13E-07	2.01E-07	2.03E-09	3.16E-07	1.10E-07	1.73E-07	2.57E-09	2.86E-07	6.25E-08	9.54E-08	6.35E-10	1.59E-07
4584	742161.64	4110257.78	7.43E-07	1.25E-06	1.38E-08	2.01E-06	1.15E-07	2.05E-07	2.07E-09	3.22E-07	1.12E-07	1.76E-07	2.62E-09	2.91E-07	6.37E-08	9.73E-08	6.47E-10	1.62E-07
4585	742181.75	4110244.29	7.55E-07	1.27E-06	1.40E-08	2.04E-06	1.17E-07	2.08E-07	2.10E-09	3.27E-07	1.14E-07	1.79E-07	2.67E-09	2.96E-07	6.47E-08	9.88E-08	6.57E-10	1.64E-07
4586	742201.86	4110230.79	7.65E-07	1.29E-06	1.42E-08	2.07E-06	1.19E-07	2.11E-07	2.13E-09	3.32E-07	1.15E-07	1.82E-07	2.70E-09	3.00E-07	6.56E-08	1.00E-07	6.67E-10	1.66E-07
4587	742221.97	4110217.3	7.76E-07	1.31E-06	1.44E-08	2.10E-06	1.20E-07	2.14E-07	2.16E-09	3.37E-07	1.17E-07	1.84E-07	2.74E-09	3.04E-07	6.65E-08	1.02E-07	6.76E-10	1.69E-07
4588	742242.08	4110203.81	7.86E-07	1.32E-06	1.46E-08	2.12E-06	1.22E-07	2.17E-07	2.19E-09	3.41E-07	1.18E-07	1.87E-07	2.78E-09	3.08E-07	6.73E-08	1.03E-07	6.85E-10	1.71E-07
4589	742262.19	4110190.32	7.93E-07	1.33E-06	1.47E-08	2.14E-06	1.23E-07	2.19E-07	2.21E-09	3.44E-07	1.20E-07	1.88E-07	2.80E-09	3.10E-07	6.79E-08	1.04E-07	6.90E-10	1.72E-07
4590	742282.3	4110176.83	7.97E-07	1.34E-06	1.48E-08	2.15E-06	1.24E-07	2.20E-07	2.22E-09	3.46E-07	1.20E-07	1.89E-07	2.82E-09	3.12E-07	6.83E-08	1.04E-07	6.95E-10	1.73E-07
4591	742302.41	4110163.33	7.98E-07	1.34E-06	1.48E-08	2.16E-06	1.24E-07	2.20E-07	2.22E-09	3.46E-07	1.20E-07	1.89E-07	2.82E-09	3.13E-07	6.84E-08	1.04E-07	6.95E-10	1.74E-07
4592	742005.36	4110392.62	5.44E-07	9.15E-07	1.01E-08	1.47E-06	8.43E-08	1.50E-07	1.51E-09	2.36E-07	8.20E-08	1.29E-07	1.92E-09	2.13E-07	4.66E-08	7.12E-08	4.74E-10	1.18E-07
4593	741963.05	4110400.87	5.70E-07	9.59E-07	1.06E-08	1.54E-06	8.84E-08	1.57E-07	1.59E-09	2.47E-07	8.59E-08	1.35E-07	2.01E-09	2.23E-07	4.88E-08	7.46E-08	4.96E-10	1.24E-07
4594	741920.73	4110409.12	5.81E-07	9.78E-07	1.08E-08	1.57E-06	9.02E-08	1.60E-07	1.62E-09	2.52E-07	8.77E-08	1.38E-07	2.05E-09	2.28E-07	4.98E-08	7.61E-08	5.07E-10	1.26E-07
4595	741860.68	4110405.11	6.13E-07	1.03E-06	1.14E-08	1.65E-06	9.50E-08	1.69E-07	1.70E-09	2.66E-07	9.24E-08	1.45E-07	2.16E-09	2.40E-07	5.25E-08	8.02E-08	5.34E-10	1.33E-07
4596	741825.21	4110380.61	6.81E-07	1.15E-06	1.26E-08	1.84E-06	1.06E-07	1.88E-07	1.89E-09	2.95E-07	1.03E-07	1.62E-07	2.40E-09	2.67E-07	5.83E-08	8.91E-08	5.93E-10	1.48E-07
4597	741789.73	4110356.11	7.53E-07	1.27E-06	1.40E-08	2.03E-06	1.17E-07	2.08E-07	2.10E-09	3.27E-07	1.14E-07	1.79E-07	2.66E-09	2.95E-07	6.45E-08	9.86E-08	6.56E-10	1.64E-07
4598	741754.26	4110331.61	8.43E-07	1.42E-06	1.56E-08	2.28E-06	1.31E-07	2.33E-07	2.35E-09	3.66E-07	1.27E-07	2.00E-07	2.98E-09	3.30E-07	7.22E-08	1.10E-07	7.35E-10	1.83E-07
4599	742088.95	4110366.76	4.98E-07	8.37E-07	9.23E-09	1.34E-06	7.72E-08	1.37E-07	1.38E-09	2.16E-07	7.50E-08	1.18E-07	1.76E-09	1.95E-07	4.26E-08	6.52E-08	4.33E-10	1.08E-07
4600	742109.06	4110353.27	5.04E-07	8.48E-07	9.34E-09	1.36E-06	7.81E-08	1.39E-07	1.40E-09	2.18E-07	7.60E-08	1.20E-07	1.78E-09	1.97E-07	4.32E-08	6.60E-08	4.39E-10	1.10E-07
4601	742129.17	4110339.78	5.12E-07	8.62E-07	9.50E-09	1.38E-06	7.95E-08	1.41E-07	1.43E-09	2.22E-07	7.73E-08	1.22E-07	1.81E-09	2.01E-07	4.39E-08	6.71E-08	4.46E-10	1.11E-07
4602	742149.28	4110326.28	5.22E-07	8.79E-07	9.69E-09	1.41E-06	8.10E-08	1.44E-07	1.45E-09	2.27E-07	7.88E-08	1.24E-07	1.85E-09	2.05E-07	4.48E-08	6.84E-08	4.55E-10	1.14E-07
4603	742169.39	4110312.79	5.32E-07	8.95E-07	9.86E-09	1.44E-06	8.25E-08	1.47E-07	1.48E-09	2.31E-07	8.02E-08	1.26E-07	1.88E-09	2.08E-07	4.56E-08	6.96E-08	4.63E-10	1.16E-07
4604	742189.5	4110299.3	5.39E-07	9.08E-07	1.00E-08	1.46E-06	8.37E-08	1.49E-07	1.50E-09	2.34E-07	8.13E-08	1.28E-07	1.91E-09	2.11E-07	4.62E-08	7.06E-08	4.70E-10	1.17E-07
4605	742209.61	4110285.81	5.45E-07	9.18E-07	1.01E-08	1.47E-06	8.46E-08	1.50E-07	1.52E-09	2.37E-07	8.22E-08	1.29E-07	1.93E-09	2.14E-07	4.67E-08	7.14E-08	4.75E-10	1.19E-07
4606	742229.72	4110272.32	5.51E-07	9.27E-07	1.02E-08	1.49E-06	8.54E-08	1.52E-07	1.53E-09	2.39E-07	8.30E-08	1.31E-07	1.95E-09	2.16E-07	4.72E-08	7.21E-08	4.80E-10	1.20E-07
4607	742249.83	4110258.82	5.57E-07	9.37E-07	1.03E-08	1.50E-06	8.63E-08	1.54E-07	1.55E-09	2.41E-07	8.39E-08	1.32E-07	1.97E-09	2.18E-07	4.77E-08	7.29E-08	4.85E-10	1.21E-07
4608	742269.94	4110245.33	5.64E-07	9.49E-07	1.05E-08	1.52E-06	8.75E-08	1.56E-07	1.57E-09	2.45E-07	8.51E-08	1.34E-07	1.99E-09	2.21E-07	4.83E-08	7.39E-08	4.91E-10	1.23E-07
4609	742290.05	4110231.84	5.72E-07	9.63E-07	1.06E-08	1.55E-06	8.87E-08	1.58E-07	1.59E-09	2.48E-07	8.63E-08	1.36E-07	2.02E-09	2.24E-07	4.90E-08	7.49E-08	4.98E-10	1.24E-07
4610	742310.16	4110218.35	5.79E-07	9.75E-07	1.07E-08	1.57E-06	8.99E-08	1.60E-07	1.61E-09	2.51E-07	8.74E-08	1.38E-07	2.05E-09	2.27E-07	4.97E-08	7.59E-08	5.05E-10	1.26E-07
4611	742330.27	4110204.85	5.84E-07	9.83E-07	1.08E-08	1.58E-06	9.06E-08	1.61E-07	1.63E-09	2.53E-07	8.81E-08	1.39E-07	2.06E-09	2.29E-07	5.01E-08	7.65E-08	5.09E-10	1.27E-07
4612	742050.99	4110430.68	4.16E-07	7.00E-07	7.72E-09	1.12E-06	6.45E-08	1.15E-07	1.16E-09	1.81E-07	6.28E-08	9.88E-08	1.47E-09	1.63E-07	3.57E-08	5.45E-08	3.63E-10	9.05E-08
4613	742028.14	4110435.13	4.31E-07	7.25E-07	8.00E-09	1.16E-06	6.69E-08	1.19E-07	1.20E-09	1.87E-07	6.50E-08	1.02E-07	1.52E-09	1.69E-07	3.69E-08	5.65E-08	3.76E-10	9.38E-08
4614	742005.29	4110439.59	4.46E-07	7.50E-07	8.26E-09	1.20E-06	6.91E-08	1.23E-07	1.24E-09	1.93E-07	6.72E-08	1.06E-07	1.57E-09	1.75E-07	3.82E-08	5.83E-08	3.88E-10	9.69E-08
4615	741982.44	4110444.04	4.58E-07	7.71E-07	8.49E-09	1.24E-06	7.10E-08	1.26E-07	1.27E-09	1.99E-07	6.90E-08	1.09E-07	1.62E-09	1.79E-07	3.92E-08	6.00E-08	3.99E-10	9.96E-08
4616	741959.59	4110448.49	4.67E-07	7.86E-07	8.66E-09	1.26E-06	7.24E-08	1.29E-07	1.30E-09	2.03E-07	7.04E-08	1.11E-07	1.65E-09	1.83E-07	4.00E-08	6.11E-08	4.07E-10	1.02E-07
4617	741936.74	4110452.95	4.72E-07	7.95E-07	8.76E-09	1.28E-06	7.33E-08	1.30E-07	1.31E-09	2.05E-07	7.12E-08	1.12E-07	1.67E-09	1.85E-07	4.05E-08	6.19E-08	4.12E-10	1.03E-07
4618	741913.89	4110457.4	4.75E-07	8.00E-07	8.81E-09	1.28E-06	7.37E-08	1.31E-07	1.32E-09	2.06E-07	7.17E-08	1.13E-07	1.68E-09	1.86E-07	4.07E-08	6.22E-08	4.14E-10	1.03E-07
4619	741891.04	4110461.85	4.75E-07	8.00E-07	8.81E-09	1.28E-06	7.37E-08	1.31E-07	1.32E-09	2.06E-07	7.16E-08	1.13E-07	1.68E-09	1.86E-07	4.07E-08	6.22E-08	4.14E-10	1.03E-07
4620	741849.03	4110453.08	4.99E-07	8.39E-07	9.25E-09	1.35E-06	7.73E-08	1.38E-07	1.39E-09	2.16E-07	7.52E-08	1.18E-07	1.76E-09	1.95E-07	4.27E-08	6.53E-08	4.34E-10	1.08E-07
4621	741829.88	4110439.85	5.24E-07	8.82E-07	9.72E-09	1.42E-06	8.12E-08	1.45E-07	1.46E-09	2.27E-07	7.90E-08	1.24E-07	1.85E-09	2.05E-07	4.49E-08	6.86E-08	4.56E-10	1.14E-07
4622	741810.72	4110426.61	5.48E-07	9.22E-07	1.02E-08	1.48E-06	8.50E-08	1.51E-07	1.53E-09	2.38E-07	8.27E-08	1.30E-07	1.94E-09	2.15E-07	4.70E-08	7.18E-08	4.78E-10	1.19E-07
4623	741791.57	4110413.38	5.72E-07	9.63E-07	1.06E-08	1.55E-06	8.87E-08	1.58E-07	1.59E-09	2.48E-07	8.63E-08	1.36E-07	2.02E-09	2.24E-07	4.90E-08	7.49E-08	4.99E-10	1.24E-07
4624	741772.41	4110400.15	5.99E-07	1.01E-06	1.11E-08	1.62E-06	9.29E-08	1.65E-07	1.67E-09	2.60E-07	9.03E-08	1.42E-07	2.12E-09	2.35E-07	5.13E-08	7.84E-08	5.22E-10	1.30E-07
4625	741753.26	4110386.92	6.30E-07	1.06E-06	1.17E-08	1.70E-06	9.77E-08	1.74E-07	1.75E-09	2.73E-07	9.50E-08	1.50E-07	2.23E-09	2.47E-07	5.40E-08	8.25E-08	5.49E-10	1.37E-07
4626	741734.1	4110373.69	6.66E-07	1.12E-06	1.23E-08	1.80E-06	1.03E-07	1.84E-07	1.85E-09	2.89E-07	1.00E-07	1.58E-07	2.35E-09	2.61E-07	5.70E-08	8.71E-08	5.80E-10	1.45E-07
4627	741714.94	4110360.46	7.04E-07	1.19E-06	1.31E-08	1.90E-06	1.09E-07	1.94E-07	1.96E-09	3.06E-07	1.06E-07	1.67E-07	2.49E-09	2.76E-07	6.04E-08	9.22E-08	6.14E-10	1.53E-07
4628	741695.79	4110347.23	7.44E-07	1.25E-06	1.38E-08	2.01E-06	1.15E-07	2.05E-07	2.07E-09	3.23E-07	1.12E-07	1.77E-07	2.63E-09	2.92E-07	6.38E-08	9.74E-08	6.48E-10	1.62E-07
4629	742096.69	4110421.77	3.86E-07	6.49E-07	7.15E-09	1.04E-06	5.98E-08	1.06E-07	1.07E-09	1.67E-07	5.82E-08	9.16E-08	1.36E-09	1.51E-07	3.30E-08	5.05E-08	3.36E-10	8.39E-08
4630	742116.8	4110408.28	3.86E-07	6.50E-07	7.16E-09	1.04E-06	5.99E-08	1.07E-07	1.07E-09	1.68E-07	5.82E-08	9.17E-08	1.36E-09	1.51E-07	3.31E-08	5.06E-08	3.36E-10	8.40E-08
4631	742136.91	4110394.79	3.88E-07	6.53E-07	7.19E-09	1.05E-06	6.01E-08	1.07E-07	1.08E-09	1.68E-07	5.85E-08	9.21E-08	1.37E-09	1.52E-07	3.32E-08	5.08E-08	3.38E-10	8.43E-08
4632	742157.02	4110381.3	3.92E-07	6.59E-07	7.27E-09	1.06E-06	6.08E-08	1.08E-07	1.09E-09	1.70E-07	5.91E-08	9.30E-08	1.38E-09	1.53E-07	3.36E-08	5.13E-08	3.41E-10	8.52E-08
4633	742177.13	4110367.81	3.98E-07	6.69E-07	7.38E-09	1.07E-06	6.17E-08	1.10E-07	1.11E-09	1.72E-07	6.00E-08	9.44E-08	1.40E-09	1.56E-07	3.41E-08	5.21E-08	3.46E-10	8.65E-08
4634	742197.24	4110354.31	4.04E-07	6.80E-07	7.49E-09	1.09E-06	6.26E-08	1.11E-07	1.12E-09	1.75E-07	6.09E-08	9.59E-08	1.43E-09	1.58E-07	3.46E-08	5.29E-08	3.52E-10	8.78E-08
4635	742217.35	4110340.82	4.09E-07	6.89E-07	7.59E-09	1.11E-06	6.35E-08	1.13E-07	1.14E-09	1.77E-07	6.17E-08	9.71E-08	1.45E-09	1.60E-07	3.51E-08	5.36E-08	3.56E-10	8.90E-08
4636	742237.46	4110327.33	4.13E-07	6.95E-07	7.66E-09	1.12E-06	6.41E-08	1.14E-07	1.15E-09	1.79E-07	6.23E-08	9.81E-08	1.46E-09	1.62E-07	3.54E-08	5.41E-08	3.60E-10	8.99E-08
4637	742257.57	4110313.84	4.16E-07	7.00E-07	7.71E-09	1.12E-06	6.45E-08	1.15E-07	1.16E-09	1.80E-07	6.27E-08	9.87E-08	1.47E-09	1.63E-07	3.56E-08	5.45E-08	3.62E-10	9.05E-08
4638	742277.68	4110300.34	4.20E-07	7.06E-07	7.78E-09	1.13E-06	6.51E-08	1.16E-07	1.17E-09	1.82E-07	6.33E-08	9.96E-08	1.48E-09	1.64E-07	3.60E-08	5.49E-08	3.66E-10	9.13E-08
4639	742297.79	4110286.85	4.25E-07	7.15E-07	7.88E-09	1.15E-06	6.59E-08	1.17E-07	1.18E-09	1.84E-07	6.41E-08	1.01E-07	1.50E-09	1.67E-07	3.64E-08	5.57E-08	3.70E-10	9.24E-08
4640	742317.9	4110273.36	4.32E-07	7.27E-07	8.02E-09	1.17E-06	6.70E-08	1.19E-07	1.20E-09	1.87E-07	6.52E-08	1.03E-07	1.53E-09	1.69E-07	3.70E-08	5.66E-08	3.76E-10	9.40E-08
4641	742338.01	4110259.87	4.40E-07	7.40E-07	8.16E-09	1.19E-06	6.82E-08	1.21E-07	1.22E-09	1.91E-07	6.63E-08	1.04E-07	1.55E-09	1.72E-07	3.77E-08	5.76E-08	3.83E-10	9.56E-08
4642	742358.12	4110246.37	4.46E-07	7.51E-07	8.28E-09	1.21E-06	6.92E-08	1.23E-07	1.24E-09	1.94E-07	6.73E-08	1.06E-07	1.58E-09	1.75E-07	3.82E-08	5.84E-08	3.89E-10	9.71E-08
4643	742105.54	4110513.95	2.73E-07	4.59E-07	5.06E-09	7.37E-07	4.23E-08	7.53E-08	7.59E-10	1.18E-07	4.12E-08	6.48E-08	9.64E-10	1.07E-07	2.34E-08	3.57E-08	2.38E-10	5.94E-08
4644	742082.1	4110518.52	2.83E-07	4.76E-07	5.25E-09	7.65E-07	4.39E-08	7.81E-08	7.87E-10	1.23E-07	4.27E-08	6.72E-08	1.00E-09	1.11E-07	2.43E-08	3.71E-08	2.47E-10	6.16E-08
4645	742058.66	4110523.09	2.94E-07	4.94E-07	5.45E-09	7.93E-07	4.55E-08	8.10E-08	8.17E-10	1.27E-07	4.43E-08	6.97E-08	1.04E-09	1.15E-07	2.52E-08	3.85E-08	2.56E-10	6.39E-08
4646	742035.23	4110527.65	3.05E-07	5.13E-07	5.66E-09	8.24E-07	4.73E-08	8.41E-08	8.49E-10	1.32E-07	4.60E-08	7.24E-08	1.08E-09	1.19E-07	2.61E-08	3.99E-08	2.66E-10	6.63E-08
4647	742011.79	4110532.22	3.16E-07	5.31E-07	5.86E-09	8.53E-07	4.90E-08	8.71E-08	8.79E-10	1.37E-07	4.76E-08	7.50E-08	1.12E-09	1.24E-07	2.71E-08	4.14E-08	2.75E-10	6.87E-08
4648	741988.35	4110536.79	3.25E-07	5.47E-07	6.03E-09	8.78E-07	5.04E-08	8.96E-08	9.04E-10	1.41E-07	4.90E-08	7.71E-08	1.15E-09	1.27E-07	2.78E-08	4.25E-08	2.83E-10	7.07E-08
4649	741964.92	4110541.36	3.31E-07	5.58E-07	6.15E-09	8.95E-07	5.14E-08	9.14E-08	9.22E-10	1.44E-07	5.00E-08	7.87E-08	1.17E-09	1.30E-07	2.84E-08	4.34E-08	2.89E-10	7.21E-08
4650	741941.48	4110545.92	3.36E-07	5.65E-07	6.23E-09	9.07E-07	5.21E-08	9.27E-08	9.34E-10	1.46E-07	5.06E-08	7.97E-08	1.19E-09	1.32E-07	2.88E-08	4.40E-08	2.93E-10	7.30E-08
4651	741918.04	4110550.49	3.39E-07	5.70E-07	6.28E-09	9.15E-07	5.25E-08	9.34E-08	9.42E-10	1.47E-07	5.11E-08	8.04E-08	1.20E-09	1.33E-07	2.90E-08	4.43E-08	2.95E-10	7.36E-08
4652	741894.61	4110555.06	3.40E-07	5.72E-07	6.30E-09	9.18E-07	5.27E-08	9.37E-08	9.45E-10	1.47E-07	5.12E-08	8.07E-08	1.20E-09	1.33E-07	2.91E-08	4.45E-08	2.96E-10	7.39E-08
4653	741871.17	4110559.63	3.39E-07	5.71E-07	6.29E-09	9.16E-07	5.26E-08	9.36E-08	9.44E-10	1.47E-07	5.11E-08	8.05E-08	1.20E-09	1.33E-07	2.91E-08	4.44E-08	2.95E-10	7.38E-08
4654	741828.09	4110550.62	3.52E-07	5.92E-07	6.52E-09	9.50E-07	5.45E-08	9.70E-08	9.78E-10	1.53E-07	5.30E-08	8.35E-08	1.24E-09	1.38E-07	3.01E-08	4.60E-08	3.06E-10	7.65E-08
4655	741808.44	4110537.05	3.66E-07	6.15E-07	6.78E-09	9.88E-07	5.67E-08	1.01E-07	1.02E-09	1.59E-07	5.51E-08	8.68E-08	1.29E-09	1.43E-07	3.13E-08	4.79E-08	3.18E-10	7.95E-08
4656	741788.79	4110523.48	3.79E-07	6.37E-07	7.02E-09	1.02E-06	5.87E-08	1.04E-07	1.05E-09	1.64E-07	5.71E-08	8.99E-08	1.34E-09	1.48E-07	3.24E-08	4.96E-08	3.30E-10	8.24E-08
4657	741769.15	4110509.91	3.91E-07	6.58E-07	7.25E-09	1.06E-06	6.06E-08	1.08E-07	1.09E-09	1.69E-07	5.89E-08	9.28E-08	1.38E-09	1.53E-07	3.35E-08	5.12E-08	3.40E-10	8.50E-08
4658	741749.5	4110496.34	4.03E-07	6.78E-07	7.47E-09	1.09E-06	6.25E-08	1.11E-07	1.12E-09	1.75E-07	6.07E-08	9.56E-08	1.42E-09	1.58E-07	3.45E-08	5.27E-08	3.51E-10	8.76E-08
4659	741729.85	4110482.77	4.16E-07	7.01E-07	7.72E-09	1.12E-06	6.46E-08	1.15E-07	1.16E-09	1.81E-07	6.28E-08	9.88E-08	1.47E-09	1.63E-07	3.57E-08	5.45E-08	3.63E-10	9.06E-08
4660	741710.21	4110469.2	4.33E-07	7.28E-07	8.03E-09	1.17E-06	6.71E-08	1.19E-07	1.20E-09	1.88E-07	6.53E-08	1.03E-07	1.53E-09	1.70E-07	3.71E-08	5.67E-08	3.77E-10	9.41E-08

4661	741690.56	4110455.63	4.53E-07	7.62E-07	8.39E-09	1.22E-06	7.02E-08	1.25E-07	1.26E-09	1.96E-07	6.82E-08	1.07E-07	1.60E-09	1.77E-07	3.88E-08	5.93E-08	3.94E-10	9.84E-08
4662	741670.91	4110442.06	4.75E-07	8.00E-07	8.82E-09	1.28E-06	7.37E-08	1.31E-07	1.32E-09	2.06E-07	7.17E-08	1.13E-07	1.68E-09	1.86E-07	4.07E-08	6.22E-08	4.14E-10	1.03E-07
4663	741651.27	4110428.49	5.01E-07	8.43E-07	9.29E-09	1.35E-06	7.76E-08	1.38E-07	1.39E-09	2.17E-07	7.55E-08	1.19E-07	1.77E-09	1.96E-07	4.29E-08	6.56E-08	4.36E-10	1.09E-07
4664	741631.62	4110414.92	5.28E-07	8.88E-07	9.79E-09	1.43E-06	8.19E-08	1.46E-07	1.47E-09	2.29E-07	7.96E-08	1.25E-07	1.86E-09	2.07E-07	4.52E-08	6.91E-08	4.60E-10	1.15E-07
4665	741611.98	4110401.35	5.54E-07	9.33E-07	1.03E-08	1.50E-06	8.60E-08	1.53E-07	1.54E-09	2.40E-07	8.36E-08	1.32E-07	1.96E-09	2.17E-07	4.75E-08	7.26E-08	4.83E-10	1.21E-07
4666	742152.41	4110504.82	2.52E-07	4.24E-07	4.68E-09	6.81E-07	3.91E-08	6.96E-08	7.02E-10	1.09E-07	3.80E-08	5.99E-08	8.91E-10	9.88E-08	2.16E-08	3.30E-08	2.20E-10	5.48E-08
4667	742172.52	4110491.32	2.50E-07	4.20E-07	4.63E-09	6.75E-07	3.87E-08	6.89E-08	6.95E-10	1.08E-07	3.77E-08	5.93E-08	8.82E-10	9.78E-08	2.14E-08	3.27E-08	2.18E-10	5.43E-08
4668	742192.63	4110477.83	2.48E-07	4.17E-07	4.60E-09	6.70E-07	3.84E-08	6.84E-08	6.90E-10	1.08E-07	3.74E-08	5.89E-08	8.76E-10	9.71E-08	2.12E-08	3.25E-08	2.16E-10	5.39E-08
4669	742212.74	4110464.34	2.48E-07	4.18E-07	4.60E-09	6.70E-07	3.85E-08	6.85E-08	6.90E-10	1.08E-07	3.74E-08	5.89E-08	8.77E-10	9.72E-08	2.13E-08	3.25E-08	2.16E-10	5.40E-08
4670	742232.85	4110450.85	2.51E-07	4.22E-07	4.65E-09	6.77E-07	3.89E-08	6.92E-08	6.98E-10	1.09E-07	3.78E-08	5.95E-08	8.86E-10	9.82E-08	2.15E-08	3.28E-08	2.18E-10	5.45E-08
4671	742252.96	4110437.35	2.55E-07	4.29E-07	4.73E-09	6.89E-07	3.96E-08	7.04E-08	7.10E-10	1.11E-07	3.85E-08	6.06E-08	9.01E-10	1.00E-07	2.19E-08	3.34E-08	2.22E-10	5.55E-08
4672	742273.07	4110423.86	2.60E-07	4.37E-07	4.82E-09	7.01E-07	4.03E-08	7.16E-08	7.22E-10	1.13E-07	3.92E-08	6.16E-08	9.17E-10	1.02E-07	2.22E-08	3.40E-08	2.26E-10	5.65E-08
4673	742293.18	4110410.37	2.63E-07	4.43E-07	4.88E-09	7.11E-07	4.08E-08	7.26E-08	7.32E-10	1.14E-07	3.97E-08	6.25E-08	9.29E-10	1.03E-07	2.25E-08	3.44E-08	2.29E-10	5.72E-08
4674	742313.29	4110396.88	2.65E-07	4.46E-07	4.92E-09	7.17E-07	4.11E-08	7.32E-08	7.38E-10	1.15E-07	4.00E-08	6.30E-08	9.37E-10	1.04E-07	2.27E-08	3.47E-08	2.31E-10	5.77E-08
4675	742333.4	4110383.39	2.67E-07	4.49E-07	4.95E-09	7.21E-07	4.14E-08	7.37E-08	7.43E-10	1.16E-07	4.03E-08	6.34E-08	9.43E-10	1.05E-07	2.29E-08	3.50E-08	2.33E-10	5.81E-08
4676	742353.51	4110369.89	2.69E-07	4.53E-07	4.99E-09	7.27E-07	4.17E-08	7.43E-08	7.49E-10	1.17E-07	4.06E-08	6.39E-08	9.51E-10	1.05E-07	2.31E-08	3.53E-08	2.35E-10	5.86E-08
4677	742373.62	4110356.4	2.73E-07	4.59E-07	5.06E-09	7.37E-07	4.23E-08	7.53E-08	7.59E-10	1.18E-07	4.11E-08	6.48E-08	9.64E-10	1.07E-07	2.34E-08	3.57E-08	2.38E-10	5.93E-08
4678	742393.73	4110342.91	2.78E-07	4.68E-07	5.15E-09	7.51E-07	4.31E-08	7.67E-08	7.73E-10	1.21E-07	4.19E-08	6.60E-08	9.82E-10	1.09E-07	2.38E-08	3.64E-08	2.42E-10	6.04E-08
4679	742413.84	4110329.42	2.84E-07	4.77E-07	5.26E-09	7.66E-07	4.40E-08	7.82E-08	7.89E-10	1.23E-07	4.28E-08	6.73E-08	1.00E-09	1.11E-07	2.43E-08	3.71E-08	2.47E-10	6.17E-08
4680	742163.32	4110596.59	1.91E-07	3.21E-07	3.54E-09	5.16E-07	2.96E-08	5.27E-08	5.31E-10	8.28E-08	2.88E-08	4.53E-08	6.74E-10	7.48E-08	1.64E-08	2.50E-08	1.66E-10	4.15E-08
4681	742140.92	4110600.96	1.98E-07	3.32E-07	3.66E-09	5.34E-07	3.06E-08	5.45E-08	5.49E-10	8.57E-08	2.98E-08	4.69E-08	6.98E-10	7.74E-08	1.69E-08	2.59E-08	1.72E-10	4.30E-08
4682	742118.51	4110605.32	2.04E-07	3.43E-07	3.78E-09	5.51E-07	3.16E-08	5.63E-08	5.68E-10	8.85E-08	3.08E-08	4.84E-08	7.21E-10	7.99E-08	1.75E-08	2.67E-08	1.78E-10	4.44E-08
4683	742096.11	4110609.69	2.11E-07	3.55E-07	3.91E-09	5.70E-07	3.27E-08	5.82E-08	5.87E-10	9.15E-08	3.18E-08	5.01E-08	7.45E-10	8.26E-08	1.81E-08	2.76E-08	1.84E-10	4.59E-08
4684	742073.71	4110614.05	2.18E-07	3.67E-07	4.05E-09	5.90E-07	3.39E-08	6.02E-08	6.07E-10	9.47E-08	3.29E-08	5.18E-08	7.71E-10	8.55E-08	1.87E-08	2.86E-08	1.90E-10	4.75E-08
4685	742051.3	4110618.42	2.26E-07	3.81E-07	4.20E-09	6.11E-07	3.51E-08	6.24E-08	6.29E-10	9.81E-08	3.41E-08	5.37E-08	7.99E-10	8.86E-08	1.94E-08	2.96E-08	1.97E-10	4.92E-08
4686	742028.9	4110622.79	2.34E-07	3.94E-07	4.34E-09	6.32E-07	3.63E-08	6.45E-08	6.51E-10	1.01E-07	3.53E-08	5.55E-08	8.26E-10	9.16E-08	2.00E-08	3.06E-08	2.04E-10	5.09E-08
4687	742006.5	4110627.15	2.41E-07	4.05E-07	4.46E-09	6.50E-07	3.73E-08	6.64E-08	6.70E-10	1.04E-07	3.63E-08	5.71E-08	8.50E-10	9.43E-08	2.06E-08	3.15E-08	2.10E-10	5.23E-08
4688	741984.1	4110631.52	2.46E-07	4.14E-07	4.57E-09	6.65E-07	3.82E-08	6.79E-08	6.85E-10	1.07E-07	3.71E-08	5.85E-08	8.70E-10	9.64E-08	2.11E-08	3.22E-08	2.14E-10	5.35E-08
4689	741961.69	4110635.88	2.51E-07	4.22E-07	4.65E-09	6.77E-07	3.89E-08	6.91E-08	6.97E-10	1.09E-07	3.78E-08	5.95E-08	8.85E-10	9.82E-08	2.15E-08	3.28E-08	2.18E-10	5.45E-08
4690	741939.29	4110640.25	2.54E-07	4.27E-07	4.71E-09	6.86E-07	3.94E-08	7.01E-08	7.07E-10	1.10E-07	3.83E-08	6.03E-08	8.97E-10	9.95E-08	2.18E-08	3.33E-08	2.21E-10	5.52E-08
4691	741916.89	4110644.62	2.57E-07	4.32E-07	4.76E-09	6.93E-07	3.98E-08	7.08E-08	7.14E-10	1.11E-07	3.87E-08	6.09E-08	9.06E-10	1.01E-07	2.20E-08	3.36E-08	2.24E-10	5.58E-08
4692	741894.49	4110648.98	2.58E-07	4.35E-07	4.79E-09	6.98E-07	4.01E-08	7.13E-08	7.19E-10	1.12E-07	3.89E-08	6.13E-08	9.12E-10	1.01E-07	2.21E-08	3.38E-08	2.25E-10	5.62E-08
4693	741872.08	4110653.35	2.59E-07	4.36E-07	4.80E-09	6.99E-07	4.01E-08	7.14E-08	7.20E-10	1.12E-07	3.90E-08	6.14E-08	9.14E-10	1.01E-07	2.22E-08	3.39E-08	2.25E-10	5.63E-08
4694	741849.68	4110657.71	2.58E-07	4.34E-07	4.79E-09	6.97E-07	4.00E-08	7.12E-08	7.18E-10	1.12E-07	3.89E-08	6.13E-08	9.12E-10	1.01E-07	2.21E-08	3.38E-08	2.25E-10	5.61E-08
4695	741808.5	4110649.11	2.65E-07	4.45E-07	4.91E-09	7.15E-07	4.10E-08	7.30E-08	7.36E-10	1.15E-07	3.99E-08	6.28E-08	9.35E-10	1.04E-07	2.27E-08	3.46E-08	2.31E-10	5.76E-08
4696	741789.72	4110636.14	2.73E-07	4.59E-07	5.05E-09	7.36E-07	4.23E-08	7.52E-08	7.58E-10	1.18E-07	4.11E-08	6.47E-08	9.63E-10	1.07E-07	2.34E-08	3.57E-08	2.37E-10	5.93E-08
4697	741770.94	4110623.16	2.80E-07	4.71E-07	5.19E-09	7.56E-07	4.34E-08	7.72E-08	7.79E-10	1.21E-07	4.22E-08	6.64E-08	9.89E-10	1.10E-07	2.40E-08	3.67E-08	2.44E-10	6.09E-08
4698	741752.16	4110610.19	2.87E-07	4.83E-07	5.32E-09	7.75E-07	4.45E-08	7.91E-08	7.98E-10	1.24E-07	4.33E-08	6.81E-08	1.01E-09	1.12E-07	2.46E-08	3.76E-08	2.50E-10	6.24E-08
4699	741733.38	4110597.22	2.93E-07	4.93E-07	5.44E-09	7.92E-07	4.55E-08	8.09E-08	8.16E-10	1.27E-07	4.42E-08	6.96E-08	1.04E-09	1.15E-07	2.51E-08	3.84E-08	2.55E-10	6.38E-08
4700	741714.6	4110584.25	2.99E-07	5.04E-07	5.55E-09	8.09E-07	4.64E-08	8.26E-08	8.33E-10	1.30E-07	4.51E-08	7.11E-08	1.06E-09	1.17E-07	2.56E-08	3.92E-08	2.61E-10	6.51E-08
4701	741695.82	4110571.28	3.06E-07	5.15E-07	5.68E-09	8.27E-07	4.75E-08	8.44E-08	8.52E-10	1.33E-07	4.62E-08	7.27E-08	1.08E-09	1.20E-07	2.62E-08	4.01E-08	2.67E-10	6.66E-08
4702	741677.04	4110558.31	3.14E-07	5.29E-07	5.83E-09	8.49E-07	4.87E-08	8.67E-08	8.74E-10	1.36E-07	4.74E-08	7.46E-08	1.11E-09	1.23E-07	2.69E-08	4.11E-08	2.74E-10	6.83E-08
4703	741658.26	4110545.34	3.24E-07	5.46E-07	6.02E-09	8.76E-07	5.03E-08	8.95E-08	9.02E-10	1.41E-07	4.89E-08	7.70E-08	1.15E-09	1.27E-07	2.78E-08	4.25E-08	2.83E-10	7.05E-08
4704	741639.48	4110532.36	3.36E-07	5.66E-07	6.24E-09	9.09E-07	5.22E-08	9.28E-08	9.36E-10	1.46E-07	5.07E-08	7.98E-08	1.19E-09	1.32E-07	2.88E-08	4.40E-08	2.93E-10	7.32E-08
4705	741620.7	4110519.39	3.50E-07	5.89E-07	6.50E-09	9.46E-07	5.43E-08	9.66E-08	9.74E-10	1.52E-07	5.28E-08	8.32E-08	1.24E-09	1.37E-07	3.00E-08	4.59E-08	3.05E-10	7.62E-08
4706	741601.92	4110506.42	3.66E-07	6.16E-07	6.79E-09	9.89E-07	5.68E-08	1.01E-07	1.02E-09	1.59E-07	5.52E-08	8.69E-08	1.29E-09	1.43E-07	3.14E-08	4.79E-08	3.19E-10	7.96E-08
4707	741583.14	4110493.45	3.83E-07	6.45E-07	7.11E-09	1.04E-06	5.95E-08	1.06E-07	1.07E-09	1.66E-07	5.78E-08	9.10E-08	1.35E-09	1.50E-07	3.29E-08	5.02E-08	3.34E-10	8.34E-08
4708	741564.36	4110480.48	4.02E-07	6.76E-07	7.46E-09	1.09E-06	6.23E-08	1.11E-07	1.12E-09	1.74E-07	6.06E-08	9.54E-08	1.42E-09	1.57E-07	3.44E-08	5.26E-08	3.50E-10	8.74E-08
4709	741545.58	4110467.51	4.20E-07	7.07E-07	7.79E-09	1.13E-06	6.51E-08	1.16E-07	1.17E-09	1.82E-07	6.33E-08	9.97E-08	1.48E-09	1.65E-07	3.60E-08	5.50E-08	3.66E-10	9.13E-08
4710	741526.8	4110454.54	4.36E-07	7.34E-07	8.09E-09	1.18E-06	6.76E-08	1.20E-07	1.21E-09	1.89E-07	6.57E-08	1.03E-07	1.54E-09	1.71E-07	3.74E-08	5.71E-08	3.80E-10	9.48E-08
4711	742208.12	4110587.86	1.76E-07	2.97E-07	3.27E-09	4.76E-07	2.73E-08	4.86E-08	4.90E-10	7.64E-08	2.66E-08	4.18E-08	6.23E-10	6.90E-08	1.51E-08	2.31E-08	1.54E-10	3.83E-08
4712	742228.23	4110574.36	1.73E-07	2.92E-07	3.22E-09	4.68E-07	2.69E-08	4.78E-08	4.82E-10	7.52E-08	2.62E-08	4.12E-08	6.13E-10	6.79E-08	1.49E-08	2.27E-08	1.51E-10	3.77E-08
4713	742248.34	4110560.87	1.71E-07	2.88E-07	3.18E-09	4.63E-07	2.66E-08	4.73E-08	4.77E-10	7.43E-08	2.58E-08	4.07E-08	6.05E-10	6.71E-08	1.47E-08	2.24E-08	1.49E-10	3.73E-08
4714	742268.45	4110547.38	1.71E-07	2.88E-07	3.18E-09	4.63E-07	2.66E-08	4.72E-08	4.76E-10	7.43E-08	2.58E-08	4.07E-08	6.05E-10	6.71E-08	1.47E-08	2.24E-08	1.49E-10	3.72E-08
4715	742288.56	4110533.89	1.73E-07	2.92E-07	3.22E-09	4.68E-07	2.69E-08	4.78E-08	4.82E-10	7.52E-08	2.61E-08	4.12E-08	6.12E-10	6.79E-08	1.49E-08	2.27E-08	1.51E-10	3.77E-08
4716	742308.67	4110520.4	1.77E-07	2.98E-07	3.28E-09	4.78E-07	2.75E-08	4.89E-08	4.93E-10	7.68E-08	2.67E-08	4.20E-08	6.26E-10	6.94E-08	1.52E-08	2.32E-08	1.54E-10	3.85E-08
4717	742328.78	4110506.9	1.81E-07	3.05E-07	3.36E-09	4.89E-07	2.81E-08	5.00E-08	5.04E-10	7.85E-08	2.73E-08	4.30E-08	6.40E-10	7.09E-08	1.55E-08	2.37E-08	1.58E-10	3.94E-08
4718	742348.89	4110493.41	1.84E-07	3.10E-07	3.41E-09	4.97E-07	2.85E-08	5.08E-08	5.12E-10	7.98E-08	2.78E-08	4.37E-08	6.50E-10	7.21E-08	1.58E-08	2.41E-08	1.60E-10	4.00E-08
4719	742369	4110479.92	1.86E-07	3.13E-07	3.45E-09	5.03E-07	2.89E-08	5.13E-08	5.18E-10	8.07E-08	2.81E-08	4.42E-08	6.57E-10	7.29E-08	1.59E-08	2.44E-08	1.62E-10	4.05E-08
4720	742389.11	4110466.43	1.87E-07	3.15E-07	3.47E-09	5.06E-07	2.90E-08	5.17E-08	5.21E-10	8.12E-08	2.82E-08	4.45E-08	6.62E-10	7.34E-08	1.61E-08	2.45E-08	1.63E-10	4.07E-08
4721	742409.22	4110452.93	1.89E-07	3.18E-07	3.50E-09	5.10E-07	2.93E-08	5.21E-08	5.25E-10	8.19E-08	2.85E-08	4.48E-08	6.67E-10	7.39E-08	1.62E-08	2.47E-08	1.64E-10	4.10E-08
4722	742429.33	4110439.44	1.91E-07	3.21E-07	3.54E-09	5.16E-07	2.96E-08	5.27E-08	5.32E-10	8.29E-08	2.88E-08	4.54E-08	6.75E-10	7.48E-08	1.64E-08	2.50E-08	1.66E-10	4.16E-08
4723	742449.44	4110425.95	1.95E-07	3.27E-07	3.61E-09	5.25E-07	3.02E-08	5.37E-08	5.41E-10	8.44E-08	2.93E-08	4.62E-08	6.87E-10	7.62E-08	1.67E-08	2.55E-08	1.69E-10	4.23E-08
4724	742469.55	4110412.46	1.99E-07	3.34E-07	3.68E-09	5.37E-07	3.08E-08	5.48E-08	5.53E-10	8.62E-08	3.00E-08	4.72E-08	7.02E-10	7.78E-08	1.70E-08	2.60E-08	1.73E-10	4.32E-08
4725	742218.14	4110679.81	1.41E-07	2.37E-07	2.61E-09	3.80E-07	2.18E-08	3.89E-08	3.92E-10	6.11E-08	2.12E-08	3.34E-08	4.97E-10	5.52E-08	1.21E-08	1.84E-08	1.23E-10	3.06E-08
4726	742195.29	4110684.26	1.46E-07	2.46E-07	2.71E-09	3.94E-07	2.26E-08	4.03E-08	4.06E-10	6.33E-08	2.20E-08	3.47E-08	5.16E-10	5.72E-08	1.25E-08	1.91E-08	1.27E-10	3.17E-08
4727	742172.44	4110688.71	1.51E-07	2.54E-07	2.80E-09	4.08E-07	2.34E-08	4.16E-08	4.20E-10	6.54E-08	2.28E-08	3.58E-08	5.33E-10	5.91E-08	1.29E-08	1.98E-08	1.31E-10	3.28E-08
4728	742149.58	4110693.17	1.56E-07	2.62E-07	2.89E-09	4.21E-07	2.42E-08	4.30E-08	4.34E-10	6.76E-08	2.35E-08	3.70E-08	5.50E-10	6.10E-08	1.34E-08	2.04E-08	1.36E-10	3.39E-08
4729	742126.73	4110697.62	1.61E-07	2.71E-07	2.98E-09	4.35E-07	2.49E-08	4.44E-08	4.48E-10	6.98E-08	2.43E-08	3.82E-08	5.68E-10	6.30E-08	1.38E-08	2.11E-08	1.40E-10	3.50E-08
4730	742103.88	4110702.07	1.66E-07	2.80E-07	3.08E-09	4.49E-07	2.58E-08	4.59E-08	4.63E-10	7.21E-08	2.51E-08	3.95E-08	5.87E-10	6.52E-08	1.43E-08	2.18E-08	1.45E-10	3.62E-08
4731	742081.03	4110706.53	1.72E-07	2.90E-07	3.19E-09	4.65E-07	2.67E-08	4.75E-08	4.79E-10	7.47E-08	2.60E-08	4.09E-08	6.08E-10	6.74E-08	1.47E-08	2.25E-08	1.50E-10	3.74E-08
4732	742058.18	4110710.98	1.78E-07	3.00E-07	3.30E-09	4.81E-07	2.76E-08	4.91E-08	4.95E-10	7.72E-08	2.68E-08	4.23E-08	6.29E-10	6.97E-08	1.53E-08	2.33E-08	1.55E-10	3.87E-08
4733	742035.33	4110715.43	1.84E-07	3.09E-07	3.40E-09	4.96E-07	2.85E-08	5.06E-08	5.11E-10	7.96E-08	2.77E-08	4.36E-08	6.48E-10	7.19E-08	1.57E-08	2.40E-08	1.60E-10	3.99E-08
4734	742012.48	4110719.89	1.88E-07	3.17E-07	3.49E-09	5.09E-07	2.92E-08	5.20E-08	5.24E-10	8.17E-08	2.84E-08	4.47E-08	6.66E-10	7.38E-08	1.61E-08	2.47E-08	1.64E-10	4.10E-08
4735	741989.63	4110724.34	1.93E-07	3.24E-07	3.57E-09	5.20E-07	2.99E-08	5.31E-08	5.36E-10	8.35E-08	2.90E-08	4.57E-08	6.80E-10	7.54E-08	1.65E-08	2.52E-08	1.68E-10	4.19E-08
4736	741966.78	4110728.79	1.96E-07	3.30E-07	3.64E-09	5.29E-07	3.04E-08	5.41E-08	5.45E-10	8.50E-08	2.96E-08	4.65E-08	6.92E-10	7.68E-08	1.68E-08	2.57E-08	1.71E-10	4.26E-08
4737	741943.93	4110733.24	1.99E-07	3.35E-07	3.69E-09	5.38E-07	3.09E-08	5.49E-08	5.54E-10	8.64E-08	3.00E-08	4.73E-08	7.03E-10	7.80E-08	1.71E-08	2.61E-08	1.73E-10	4.33E-08
4738	741921.08	4110737.7	2.02E-07	3.40E-07	3.74E-09	5.45E-07	3.13E-08	5.57E-08	5.61E-10	8.75E-08	3.04E-08	4.79E-08	7.13E-10	7.90E-08	1.73E-08	2.64E-08	1.76E-10	4.39E-08
4739	741898.23	4110742.15	2.04E-07	3.43E-07	3.78E-09	5.51E-07	3.16E-08	5.63E-08	5.67E-10	8.85E-08	3.08E-08	4.84E-08	7.20E-10	7.99E-08	1.75E-08	2.67E-08	1.78E-10	4.44E-08
4740	741875.38	4110746.6	2.05E-07	3.46E-07	3.81E-09	5.55E-07	3.18E-08	5.67E-08	5.71E-10	8.91E-08	3.10E-08	4.87E-08	7.25E-10	8.04E-08	1.76E-08	2.69E-08	1.79E-10	4.47E-08
4741	741852.53	4110751.06	2.06E-07	3.46E-07	3.82E-09	5.56E-07	3.19E-08	5.68E-08	5.72E-10	8.92E-08	3.10E-08	4.88E-08	7.27E-10	8.06E-08	1.76E-08	2.69E-08	1.79E-10	4.48E-08
4742	741829.68	4110755.51	2.05E-07	3.45E-07	3.81E-09	5.54E-07	3.18E-08	5.66E-08	5.71E-10	8.90E-08	3.09E-08	4.87E-08	7.25E-10	8.04E-08	1.76E-08	2.69E-08	1.79E-10	4.46E-08
4743	741787.67	4110746.73	2.09E-07	3.52E-07	3.88E-09	5.65E-07	3.25E-08	5.77E-08	5.82E-10	9.08E-08	3.16E-08	4.97E-08	7.39E-10	8.20E-08	1.79E-08	2.74E-08	1.82E-10	4.55E-08
4744	741768.51	4110733.5	2.14E-07	3.61E-07	3.98E-09	5.79E-07	3.33E-08	5.92E-08	5.97E-10	9.30E-08	3.23E-08	5.09E-08	7.58E-10	8.40E-08	1.84E-08	2.81E-08	1.87E-10	4.66E-08
4745	741749.36	4110720.27	2.19E-07	3.69E-07	4.07E-09	5.92E-07	3.40E-08	6.05E-08	6.10E-10	9.51E-08	3.31E-08	5.21E-08	7.75E-10	8.59E-08	1.88E-08	2.87E-08	1.91E-10	4.77E-08
4746	741730.2	4110707.04	2.24E-07	3.76E-07	4.15E-09	6.04E-07	3.47E-08	6.17E-08	6.22E-10	9.70E-08	3.37E-08	5.31E-08	7.90E-10	8.76E-08	1.92E-08	2.93E-08	1.95E-10	4.87E-08
4747	741711.05	4110693.81	2.28E-07	3.83E-07	4.22E-09	6.15E-07	3.53E-08	6.28E-08	6.33E-10	9.87E-08	3.43E-08	5.40E-08	8.04E-10	8.92E-08	1.95E-08	2.98E-08	1.98E-10	4.95E-08
4748	741691.89	4110680.58	2.31E-07	3.89E-07	4.29E-09	6.25E-07	3.59E-08	6.38E-08	6.43E-10	1.00E-07	3.49E-08	5.49E-08	8.17E-10	9.06E-08	1.98E-08	3.03E-08	2.01E-10	5.03E-08

4749	741672.74	4110667.35	2.35E-07	3.95E-07	4.36E-09	6.34E-07	3.64E-08	6.48E-08	6.53E-10	1.02E-07	3.54E-08	5.58E-08	8.30E-10	9.20E-08	2.01E-08	3.08E-08	2.05E-10	5.11E-08
4750	741653.58	4110654.12	2.39E-07	4.02E-07	4.43E-09	6.46E-07	3.71E-08	6.59E-08	6.65E-10	1.04E-07	3.60E-08	5.67E-08	8.44E-10	9.36E-08	2.05E-08	3.13E-08	2.08E-10	5.20E-08
4751	741634.43	4110640.89	2.44E-07	4.11E-07	4.53E-09	6.59E-07	3.79E-08	6.74E-08	6.79E-10	1.06E-07	3.68E-08	5.80E-08	8.62E-10	9.56E-08	2.09E-08	3.20E-08	2.13E-10	5.31E-08
4752	741615.27	4110627.66	2.51E-07	4.22E-07	4.65E-09	6.77E-07	3.89E-08	6.91E-08	6.97E-10	1.09E-07	3.78E-08	5.95E-08	8.85E-10	9.82E-08	2.15E-08	3.28E-08	2.18E-10	5.45E-08
4753	741596.12	4110614.43	2.59E-07	4.35E-07	4.80E-09	6.98E-07	4.01E-08	7.13E-08	7.19E-10	1.12E-07	3.90E-08	6.14E-08	9.13E-10	1.01E-07	2.22E-08	3.39E-08	2.25E-10	5.62E-08
4754	741576.96	4110601.19	2.68E-07	4.51E-07	4.97E-09	7.24E-07	4.15E-08	7.39E-08	7.45E-10	1.16E-07	4.04E-08	6.36E-08	9.46E-10	1.05E-07	2.30E-08	3.51E-08	2.33E-10	5.83E-08
4755	741557.81	4110587.96	2.78E-07	4.69E-07	5.17E-09	7.52E-07	4.32E-08	7.68E-08	7.75E-10	1.21E-07	4.20E-08	6.61E-08	9.84E-10	1.09E-07	2.39E-08	3.65E-08	2.43E-10	6.06E-08
4756	741538.65	4110574.73	2.90E-07	4.89E-07	5.39E-09	7.84E-07	4.50E-08	8.01E-08	8.08E-10	1.26E-07	4.38E-08	6.89E-08	1.03E-09	1.14E-07	2.49E-08	3.80E-08	2.53E-10	6.31E-08
4757	741519.49	4110561.5	3.03E-07	5.10E-07	5.63E-09	8.19E-07	4.70E-08	8.37E-08	8.44E-10	1.32E-07	4.57E-08	7.20E-08	1.07E-09	1.19E-07	2.60E-08	3.97E-08	2.64E-10	6.60E-08
4758	741500.34	4110548.27	3.17E-07	5.33E-07	5.88E-09	8.56E-07	4.92E-08	8.75E-08	8.82E-10	1.37E-07	4.78E-08	7.52E-08	1.12E-09	1.24E-07	2.72E-08	4.15E-08	2.76E-10	6.89E-08
4759	741481.18	4110535.04	3.30E-07	5.56E-07	6.13E-09	8.93E-07	5.12E-08	9.12E-08	9.19E-10	1.43E-07	4.98E-08	7.85E-08	1.17E-09	1.29E-07	2.83E-08	4.33E-08	2.88E-10	7.19E-08
4760	741462.03	4110521.81	3.43E-07	5.77E-07	6.36E-09	9.26E-07	5.32E-08	9.46E-08	9.54E-10	1.49E-07	5.17E-08	8.14E-08	1.21E-09	1.34E-07	2.94E-08	4.49E-08	2.99E-10	7.46E-08
4761	741442.87	4110508.58	3.53E-07	5.94E-07	6.55E-09	9.54E-07	5.48E-08	9.75E-08	9.83E-10	1.53E-07	5.33E-08	8.39E-08	1.25E-09	1.38E-07	3.03E-08	4.63E-08	3.08E-10	7.68E-08
4762	742263.84	4110670.9	1.30E-07	2.19E-07	2.41E-09	3.52E-07	2.02E-08	3.59E-08	3.62E-10	5.65E-08	1.96E-08	3.09E-08	4.60E-10	5.10E-08	1.12E-08	1.70E-08	1.13E-10	2.83E-08
4763	742283.95	4110657.41	1.28E-07	2.16E-07	2.38E-09	3.46E-07	1.99E-08	3.53E-08	3.56E-10	5.56E-08	1.93E-08	3.04E-08	4.53E-10	5.02E-08	1.10E-08	1.68E-08	1.12E-10	2.79E-08
4764	742304.06	4110643.91	1.27E-07	2.13E-07	2.35E-09	3.43E-07	1.97E-08	3.50E-08	3.53E-10	5.50E-08	1.91E-08	3.01E-08	4.48E-10	4.97E-08	1.09E-08	1.66E-08	1.10E-10	2.76E-08
4765	742324.17	4110630.42	1.27E-07	2.13E-07	2.35E-09	3.42E-07	1.97E-08	3.50E-08	3.53E-10	5.50E-08	1.91E-08	3.01E-08	4.48E-10	4.97E-08	1.09E-08	1.66E-08	1.10E-10	2.76E-08
4766	742344.28	4110616.93	1.28E-07	2.16E-07	2.38E-09	3.46E-07	1.99E-08	3.54E-08	3.57E-10	5.56E-08	1.93E-08	3.04E-08	4.53E-10	5.02E-08	1.10E-08	1.68E-08	1.12E-10	2.79E-08
4767	742364.39	4110603.44	1.31E-07	2.20E-07	2.43E-09	3.54E-07	2.03E-08	3.61E-08	3.64E-10	5.68E-08	1.97E-08	3.11E-08	4.62E-10	5.13E-08	1.12E-08	1.71E-08	1.14E-10	2.85E-08
4768	742384.5	4110589.94	1.34E-07	2.26E-07	2.49E-09	3.62E-07	2.08E-08	3.70E-08	3.73E-10	5.81E-08	2.02E-08	3.18E-08	4.73E-10	5.25E-08	1.15E-08	1.75E-08	1.17E-10	2.92E-08
4769	742404.61	4110576.45	1.37E-07	2.30E-07	2.54E-09	3.69E-07	2.12E-08	3.77E-08	3.81E-10	5.93E-08	2.06E-08	3.25E-08	4.83E-10	5.36E-08	1.17E-08	1.79E-08	1.19E-10	2.97E-08
4770	742424.72	4110562.96	1.39E-07	2.34E-07	2.57E-09	3.75E-07	2.15E-08	3.83E-08	3.86E-10	6.02E-08	2.09E-08	3.30E-08	4.90E-10	5.44E-08	1.19E-08	1.82E-08	1.21E-10	3.02E-08
4771	742444.83	4110549.47	1.40E-07	2.36E-07	2.60E-09	3.79E-07	2.17E-08	3.87E-08	3.90E-10	6.08E-08	2.11E-08	3.33E-08	4.95E-10	5.49E-08	1.20E-08	1.84E-08	1.22E-10	3.05E-08
4772	742464.94	4110535.98	1.42E-07	2.38E-07	2.63E-09	3.83E-07	2.20E-08	3.91E-08	3.94E-10	6.15E-08	2.14E-08	3.36E-08	5.00E-10	5.55E-08	1.21E-08	1.86E-08	1.23E-10	3.08E-08
4773	742485.05	4110522.48	1.44E-07	2.42E-07	2.66E-09	3.88E-07	2.23E-08	3.96E-08	4.00E-10	6.23E-08	2.17E-08	3.41E-08	5.07E-10	5.63E-08	1.23E-08	1.88E-08	1.25E-10	3.12E-08
4774	742505.16	4110508.99	1.46E-07	2.46E-07	2.71E-09	3.95E-07	2.27E-08	4.04E-08	4.07E-10	6.34E-08	2.21E-08	3.47E-08	5.17E-10	5.73E-08	1.25E-08	1.92E-08	1.27E-10	3.18E-08
4775	742525.27	4110495.5	1.49E-07	2.51E-07	2.77E-09	4.03E-07	2.31E-08	4.12E-08	4.15E-10	6.48E-08	2.25E-08	3.54E-08	5.27E-10	5.85E-08	1.28E-08	1.95E-08	1.30E-10	3.25E-08
4776	742273.19	4110762.98	1.08E-07	1.82E-07	2.01E-09	2.92E-07	1.68E-08	2.99E-08	3.01E-10	4.69E-08	1.63E-08	2.57E-08	3.82E-10	4.24E-08	9.27E-09	1.42E-08	9.43E-11	2.35E-08
4777	742250.01	4110767.49	1.12E-07	1.89E-07	2.08E-09	3.03E-07	1.74E-08	3.09E-08	3.12E-10	4.86E-08	1.69E-08	2.66E-08	3.96E-10	4.39E-08	9.60E-09	1.47E-08	9.76E-11	2.44E-08
4778	742226.83	4110772.01	1.16E-07	1.95E-07	2.15E-09	3.13E-07	1.80E-08	3.20E-08	3.23E-10	5.03E-08	1.75E-08	2.75E-08	4.09E-10	4.54E-08	9.93E-09	1.52E-08	1.01E-10	2.52E-08
4779	742203.64	4110776.53	1.20E-07	2.01E-07	2.22E-09	3.23E-07	1.86E-08	3.30E-08	3.33E-10	5.19E-08	1.81E-08	2.84E-08	4.23E-10	4.69E-08	1.03E-08	1.57E-08	1.04E-10	2.60E-08
4780	742180.46	4110781.05	1.24E-07	2.08E-07	2.29E-09	3.34E-07	1.92E-08	3.41E-08	3.44E-10	5.36E-08	1.86E-08	2.93E-08	4.36E-10	4.84E-08	1.06E-08	1.62E-08	1.08E-10	2.69E-08
4781	742157.28	4110785.57	1.27E-07	2.15E-07	2.36E-09	3.44E-07	1.98E-08	3.52E-08	3.55E-10	5.53E-08	1.92E-08	3.03E-08	4.50E-10	4.99E-08	1.09E-08	1.67E-08	1.11E-10	2.77E-08
4782	742134.1	4110790.08	1.32E-07	2.21E-07	2.44E-09	3.55E-07	2.04E-08	3.63E-08	3.66E-10	5.71E-08	1.98E-08	3.12E-08	4.65E-10	5.15E-08	1.13E-08	1.72E-08	1.15E-10	2.86E-08
4783	742110.92	4110794.6	1.36E-07	2.29E-07	2.52E-09	3.67E-07	2.11E-08	3.75E-08	3.78E-10	5.90E-08	2.05E-08	3.23E-08	4.80E-10	5.33E-08	1.16E-08	1.78E-08	1.18E-10	2.96E-08
4784	742087.73	4110799.12	1.40E-07	2.36E-07	2.61E-09	3.79E-07	2.18E-08	3.88E-08	3.91E-10	6.09E-08	2.12E-08	3.34E-08	4.96E-10	5.50E-08	1.20E-08	1.84E-08	1.22E-10	3.06E-08
4785	742064.55	4110803.64	1.45E-07	2.44E-07	2.69E-09	3.91E-07	2.25E-08	4.00E-08	4.03E-10	6.28E-08	2.18E-08	3.44E-08	5.12E-10	5.67E-08	1.24E-08	1.90E-08	1.26E-10	3.15E-08
4786	742041.37	4110808.15	1.49E-07	2.50E-07	2.76E-09	4.02E-07	2.31E-08	4.11E-08	4.14E-10	6.46E-08	2.24E-08	3.53E-08	5.26E-10	5.83E-08	1.28E-08	1.95E-08	1.30E-10	3.24E-08
4787	742018.19	4110812.67	1.52E-07	2.56E-07	2.83E-09	4.12E-07	2.36E-08	4.20E-08	4.24E-10	6.61E-08	2.30E-08	3.62E-08	5.38E-10	5.97E-08	1.31E-08	1.99E-08	1.33E-10	3.31E-08
4788	741995.01	4110817.19	1.55E-07	2.62E-07	2.88E-09	4.20E-07	2.41E-08	4.29E-08	4.32E-10	6.74E-08	2.34E-08	3.69E-08	5.49E-10	6.09E-08	1.33E-08	2.04E-08	1.35E-10	3.38E-08
4789	741971.83	4110821.71	1.58E-07	2.66E-07	2.93E-09	4.27E-07	2.45E-08	4.36E-08	4.40E-10	6.86E-08	2.39E-08	3.76E-08	5.59E-10	6.20E-08	1.36E-08	2.07E-08	1.38E-10	3.44E-08
4790	741948.64	4110826.23	1.61E-07	2.71E-07	2.98E-09	4.34E-07	2.49E-08	4.44E-08	4.47E-10	6.97E-08	2.42E-08	3.82E-08	5.68E-10	6.30E-08	1.38E-08	2.11E-08	1.40E-10	3.50E-08
4791	741925.46	4110830.74	1.63E-07	2.75E-07	3.03E-09	4.41E-07	2.53E-08	4.50E-08	4.54E-10	7.08E-08	2.46E-08	3.88E-08	5.77E-10	6.40E-08	1.40E-08	2.14E-08	1.42E-10	3.55E-08
4792	741902.28	4110835.26	1.65E-07	2.78E-07	3.07E-09	4.47E-07	2.57E-08	4.57E-08	4.60E-10	7.18E-08	2.50E-08	3.93E-08	5.85E-10	6.48E-08	1.42E-08	2.17E-08	1.44E-10	3.60E-08
4793	741879.1	4110839.78	1.67E-07	2.81E-07	3.10E-09	4.52E-07	2.59E-08	4.61E-08	4.65E-10	7.25E-08	2.52E-08	3.97E-08	5.91E-10	6.55E-08	1.43E-08	2.19E-08	1.46E-10	3.64E-08
4794	741855.92	4110844.3	1.68E-07	2.83E-07	3.12E-09	4.55E-07	2.61E-08	4.64E-08	4.68E-10	7.30E-08	2.54E-08	4.00E-08	5.94E-10	6.59E-08	1.44E-08	2.20E-08	1.47E-10	3.66E-08
4795	741832.73	4110848.81	1.69E-07	2.84E-07	3.13E-09	4.56E-07	2.62E-08	4.65E-08	4.69E-10	7.31E-08	2.54E-08	4.00E-08	5.96E-10	6.61E-08	1.44E-08	2.21E-08	1.47E-10	3.67E-08
4796	741809.55	4110853.33	1.68E-07	2.83E-07	3.12E-09	4.54E-07	2.61E-08	4.64E-08	4.68E-10	7.30E-08	2.54E-08	3.99E-08	5.94E-10	6.59E-08	1.44E-08	2.20E-08	1.47E-10	3.66E-08
4797	741766.94	4110844.43	1.71E-07	2.88E-07	3.18E-09	4.62E-07	2.65E-08	4.72E-08	4.76E-10	7.43E-08	2.58E-08	4.06E-08	6.05E-10	6.71E-08	1.47E-08	2.24E-08	1.49E-10	3.72E-08
4798	741747.5	4110831.01	1.75E-07	2.94E-07	3.24E-09	4.72E-07	2.71E-08	4.82E-08	4.87E-10	7.58E-08	2.64E-08	4.15E-08	6.18E-10	6.85E-08	1.50E-08	2.29E-08	1.52E-10	3.80E-08
4799	741728.07	4110817.58	1.78E-07	3.00E-07	3.30E-09	4.81E-07	2.76E-08	4.92E-08	4.96E-10	7.73E-08	2.69E-08	4.23E-08	6.29E-10	6.98E-08	1.53E-08	2.33E-08	1.55E-10	3.88E-08
4800	741708.64	4110804.16	1.81E-07	3.05E-07	3.36E-09	4.89E-07	2.81E-08	5.00E-08	5.04E-10	7.86E-08	2.73E-08	4.30E-08	6.40E-10	7.10E-08	1.55E-08	2.37E-08	1.58E-10	3.94E-08
4801	741689.21	4110790.74	1.84E-07	3.09E-07	3.41E-09	4.96E-07	2.85E-08	5.07E-08	5.11E-10	7.97E-08	2.77E-08	4.36E-08	6.49E-10	7.20E-08	1.57E-08	2.41E-08	1.60E-10	4.00E-08
4802	741669.77	4110777.31	1.86E-07	3.13E-07	3.45E-09	5.03E-07	2.89E-08	5.13E-08	5.18E-10	8.07E-08	2.81E-08	4.42E-08	6.57E-10	7.29E-08	1.59E-08	2.44E-08	1.62E-10	4.05E-08
4803	741650.34	4110763.89	1.88E-07	3.17E-07	3.49E-09	5.09E-07	2.92E-08	5.19E-08	5.24E-10	8.17E-08	2.84E-08	4.47E-08	6.65E-10	7.38E-08	1.61E-08	2.47E-08	1.64E-10	4.10E-08
4804	741630.91	4110750.47	1.91E-07	3.21E-07	3.53E-09	5.15E-07	2.95E-08	5.26E-08	5.30E-10	8.26E-08	2.87E-08	4.52E-08	6.73E-10	7.46E-08	1.63E-08	2.49E-08	1.66E-10	4.14E-08
4805	741611.47	4110737.05	1.93E-07	3.25E-07	3.58E-09	5.22E-07	3.00E-08	5.33E-08	5.37E-10	8.38E-08	2.91E-08	4.59E-08	6.82E-10	7.57E-08	1.66E-08	2.53E-08	1.68E-10	4.20E-08
4806	741592.04	4110723.62	1.97E-07	3.31E-07	3.65E-09	5.31E-07	3.05E-08	5.42E-08	5.47E-10	8.53E-08	2.96E-08	4.67E-08	6.94E-10	7.70E-08	1.68E-08	2.57E-08	1.71E-10	4.28E-08
4807	741572.61	4110710.2	2.01E-07	3.38E-07	3.73E-09	5.43E-07	3.12E-08	5.54E-08	5.59E-10	8.72E-08	3.03E-08	4.77E-08	7.10E-10	7.87E-08	1.72E-08	2.63E-08	1.75E-10	4.37E-08
4808	741553.18	4110696.78	2.06E-07	3.47E-07	3.83E-09	5.58E-07	3.20E-08	5.70E-08	5.74E-10	8.96E-08	3.11E-08	4.90E-08	7.29E-10	8.09E-08	1.77E-08	2.70E-08	1.80E-10	4.49E-08
4809	741533.74	4110683.36	2.13E-07	3.59E-07	3.95E-09	5.76E-07	3.30E-08	5.88E-08	5.93E-10	9.24E-08	3.21E-08	5.06E-08	7.53E-10	8.35E-08	1.83E-08	2.79E-08	1.86E-10	4.63E-08
4810	741514.31	4110669.93	2.21E-07	3.71E-07	4.09E-09	5.96E-07	3.42E-08	6.08E-08	6.14E-10	9.57E-08	3.33E-08	5.24E-08	7.79E-10	8.64E-08	1.89E-08	2.89E-08	1.92E-10	4.80E-08
4811	741494.88	4110656.51	2.29E-07	3.85E-07	4.24E-09	6.18E-07	3.55E-08	6.31E-08	6.37E-10	9.93E-08	3.45E-08	5.43E-08	8.08E-10	8.96E-08	1.96E-08	3.00E-08	1.99E-10	4.98E-08
4812	741475.44	4110643.09	2.38E-07	4.00E-07	4.41E-09	6.43E-07	3.69E-08	6.56E-08	6.62E-10	1.03E-07	3.59E-08	5.65E-08	8.40E-10	9.32E-08	2.04E-08	3.11E-08	2.07E-10	5.17E-08
4813	741456.01	4110629.67	2.48E-07	4.17E-07	4.59E-09	6.69E-07	3.84E-08	6.83E-08	6.89E-10	1.07E-07	3.73E-08	5.88E-08	8.75E-10	9.70E-08	2.12E-08	3.24E-08	2.16E-10	5.39E-08
4814	741436.58	4110616.24	2.58E-07	4.34E-07	4.78E-09	6.97E-07	4.00E-08	7.11E-08	7.17E-10	1.12E-07	3.89E-08	6.12E-08	9.11E-10	1.01E-07	2.21E-08	3.38E-08	2.25E-10	5.61E-08
4815	741417.14	4110602.82	2.68E-07	4.51E-07	4.97E-09	7.24E-07	4.16E-08	7.40E-08	7.46E-10	1.16E-07	4.04E-08	6.37E-08	9.47E-10	1.05E-07	2.30E-08	3.51E-08	2.34E-10	5.83E-08
4816	741397.71	4110589.4	2.78E-07	4.68E-07	5.15E-09	7.51E-07	4.31E-08	7.67E-08	7.73E-10	1.21E-07	4.19E-08	6.60E-08	9.81E-10	1.09E-07	2.38E-08	3.64E-08	2.42E-10	6.04E-08
4817	741378.28	4110575.98	2.87E-07	4.82E-07	5.31E-09	7.74E-07	4.44E-08	7.90E-08	7.97E-10	1.24E-07	4.32E-08	6.80E-08	1.01E-09	1.12E-07	2.46E-08	3.75E-08	2.50E-10	6.23E-08
4818	741358.85	4110562.55	2.94E-07	4.95E-07	5.45E-09	7.94E-07	4.56E-08	8.11E-08	8.18E-10	1.27E-07	4.43E-08	6.98E-08	1.04E-09	1.15E-07	2.52E-08	3.85E-08	2.56E-10	6.39E-08
4819	742319.55	4110753.94	1.01E-07	1.70E-07	1.87E-09	2.73E-07	1.57E-08	2.78E-08	2.81E-10	4.38E-08	1.52E-08	2.40E-08	3.57E-10	3.95E-08	8.65E-09	1.32E-08	8.79E-11	2.20E-08
4820	742339.66	4110740.45	9.96E-08	1.68E-07	1.85E-09	2.69E-07	1.54E-08	2.75E-08	2.77E-10	4.32E-08	1.50E-08	2.36E-08	3.52E-10	3.90E-08	8.54E-09	1.30E-08	8.68E-11	2.17E-08
4821	742359.77	4110726.96	9.87E-08	1.66E-07	1.83E-09	2.67E-07	1.53E-08	2.72E-08	2.75E-10	4.28E-08	1.49E-08	2.34E-08	3.49E-10	3.87E-08	8.46E-09	1.29E-08	8.60E-11	2.15E-08
4822	742379.88	4110713.46	9.86E-08	1.66E-07	1.83E-09	2.66E-07	1.53E-08	2.72E-08	2.74E-10	4.28E-08	1.49E-08	2.34E-08	3.48E-10	3.86E-08	8.45E-09	1.29E-08	8.59E-11	2.14E-08
4823	742399.99	4110699.97	9.94E-08	1.67E-07	1.84E-09	2.69E-07	1.54E-08	2.74E-08	2.77E-10	4.31E-08	1.50E-08	2.36E-08	3.51E-10	3.89E-08	8.52E-09	1.30E-08	8.66E-11	2.16E-08
4824	742420.1	4110686.48	1.01E-07	1.70E-07	1.88E-09	2.73E-07	1.57E-08	2.79E-08	2.81E-10	4.39E-08	1.52E-08	2.40E-08	3.57E-10	3.96E-08	8.66E-09	1.32E-08	8.81E-11	2.20E-08
4825	742440.21	4110672.99	1.03E-07	1.74E-07	1.92E-09	2.79E-07	1.60E-08	2.85E-08	2.88E-10	4.49E-08	1.56E-08	2.46E-08	3.65E-10	4.05E-08	8.86E-09	1.35E-08	9.01E-11	2.25E-08
4826	742460.32	4110659.49	1.06E-07	1.78E-07	1.96E-09	2.86E-07	1.64E-08	2.92E-08	2.94E-10	4.59E-08	1.60E-08	2.51E-08	3.74E-10	4.15E-08	9.07E-09	1.39E-08	9.22E-11	2.30E-08
4827	742480.43	4110646	1.08E-07	1.82E-07	2.00E-09	2.92E-07	1.68E-08	2.98E-08	3.01E-10	4.69E-08	1.63E-08	2.56E-08	3.82E-10	4.23E-08	9.26E-09	1.41E-08	9.41E-11	2.35E-08
4828	742500.54	4110632.51	1.10E-07	1.85E-07	2.04E-09	2.97E-07	1.70E-08	3.03E-08	3.06E-10	4.77E-08	1.66E-08	2.61E-08	3.88E-10	4.30E-08	9.41E-09	1.44E-08	9.57E-11	2.39E-08
4829	742520.65	4110619.02	1.12E-07	1.88E-07	2.07E-09	3.01E-07	1.73E-08	3.08E-08	3.10E-10	4.84E-08	1.68E-08	2.65E-08	3.94E-10	4.37E-08	9.55E-09	1.46E-08	9.71E-11	2.43E-08
4830	742540.76	4110605.52	1.13E-07	1.91E-07	2.10E-09	3.06E-07	1.76E-08	3.12E-08	3.15E-10	4.91E-08	1.71E-08	2.69E-08	4.00E-10	4.44E-08	9.70E-09	1.48E-08	9.87E-11	2.46E-08
4831	742560.87	4110592.03	1.15E-07	1.94E-07	2.14E-09	3.11E-07	1.79E-08	3.18E-08	3.21E-10	5.00E-08	1.74E-08	2.74E-08	4.07E-10	4.52E-08	9.88E-09	1.51E-08	1.00E-10	2.51E-08
4832	742580.98	4110578.54	1.18E-07	1.98E-07	2.18E-09	3.18E-07	1.82E-08	3.24E-08	3.27E-10	5.10E-08	1.77E-08	2.79E-08	4.15E-10	4.61E-08	1.01E-08	1.54E-08	1.02E-10	2.56E-08
4833	742383.7	4110929.24	7.13E-08	1.20E-07	1.32E-09	1.93E-07	1.11E-08	1.97E-08	1.98E-10	3.09E-08	1.08E-08	1.69E-08	2.52E-10	2.79E-08	6.11E-09	9.34E-09	6.21E-11	1.55E-08
4834	742360.07	4110933.84	7.32E-08	1.23E-07	1.36E-09	1.98E-07	1.14E-08	2.02E-08	2.04E-10	3.18E-08	1.10E-08	1.74E-08	2.59E-10	2.87E-08	6.27E-09	9.58E-09	6.38E-11	1.59E-08
4835	742336.43	4110938.45	7.51E-08	1.26E-07	1.39E-09	2.03E-07	1.17E-08	2.07E-08	2.09E-10	3.26E-08	1.13E-08	1.78E-08	2.65E-10	2.94E-08	6.44E-09	9.84E-09	6.55E-11	1.63E-08
4836	742312.79	4110943.06	7.72E-08	1.30E-07	1.43E-09	2.09E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.16E-08	1.83E-08	2.73E-10	3.02E-08	6.62E-09	1.01E-08	6.73E-11	1.68E-08

4837	742289.15	4110947.66	7.95E-08	1.34E-07	1.47E-09	2.15E-07	1.23E-08	2.19E-08	2.21E-10	3.45E-08	1.20E-08	1.89E-08	2.81E-10	3.11E-08	6.81E-09	1.04E-08	6.92E-11	1.73E-08
4838	742265.51	4110952.27	8.19E-08	1.38E-07	1.52E-09	2.21E-07	1.27E-08	2.26E-08	2.28E-10	3.55E-08	1.23E-08	1.94E-08	2.89E-10	3.21E-08	7.02E-09	1.07E-08	7.13E-11	1.78E-08
4839	742241.87	4110956.88	8.44E-08	1.42E-07	1.57E-09	2.28E-07	1.31E-08	2.33E-08	2.35E-10	3.66E-08	1.27E-08	2.00E-08	2.98E-10	3.31E-08	7.24E-09	1.11E-08	7.36E-11	1.84E-08
4840	742218.23	4110961.48	8.70E-08	1.46E-07	1.61E-09	2.35E-07	1.35E-08	2.40E-08	2.42E-10	3.78E-08	1.31E-08	2.07E-08	3.07E-10	3.41E-08	7.46E-09	1.14E-08	7.58E-11	1.89E-08
4841	742194.6	4110966.09	8.97E-08	1.51E-07	1.66E-09	2.42E-07	1.39E-08	2.47E-08	2.50E-10	3.89E-08	1.35E-08	2.13E-08	3.17E-10	3.51E-08	7.69E-09	1.17E-08	7.81E-11	1.95E-08
4842	742170.96	4110970.7	9.24E-08	1.55E-07	1.71E-09	2.50E-07	1.43E-08	2.55E-08	2.57E-10	4.01E-08	1.39E-08	2.19E-08	3.26E-10	3.62E-08	7.92E-09	1.21E-08	8.05E-11	2.01E-08
4843	742147.32	4110975.31	9.51E-08	1.60E-07	1.76E-09	2.57E-07	1.47E-08	2.62E-08	2.65E-10	4.12E-08	1.43E-08	2.26E-08	3.36E-10	3.73E-08	8.15E-09	1.25E-08	8.28E-11	2.07E-08
4844	742123.68	4110979.91	9.78E-08	1.65E-07	1.81E-09	2.64E-07	1.52E-08	2.70E-08	2.72E-10	4.24E-08	1.47E-08	2.32E-08	3.45E-10	3.83E-08	8.38E-09	1.28E-08	8.52E-11	2.13E-08
4845	742100.04	4110984.52	1.00E-07	1.69E-07	1.86E-09	2.71E-07	1.56E-08	2.77E-08	2.79E-10	4.35E-08	1.51E-08	2.38E-08	3.54E-10	3.93E-08	8.59E-09	1.31E-08	8.74E-11	2.18E-08
4846	742076.4	4110989.13	1.03E-07	1.73E-07	1.90E-09	2.77E-07	1.59E-08	2.83E-08	2.86E-10	4.45E-08	1.55E-08	2.44E-08	3.63E-10	4.02E-08	8.79E-09	1.34E-08	8.94E-11	2.23E-08
4847	742052.76	4110993.73	1.05E-07	1.76E-07	1.94E-09	2.83E-07	1.63E-08	2.89E-08	2.92E-10	4.55E-08	1.58E-08	2.49E-08	3.70E-10	4.10E-08	8.98E-09	1.37E-08	9.13E-11	2.28E-08
4848	742029.13	4110998.34	1.07E-07	1.80E-07	1.98E-09	2.89E-07	1.66E-08	2.95E-08	2.97E-10	4.63E-08	1.61E-08	2.54E-08	3.77E-10	4.18E-08	9.15E-09	1.40E-08	9.30E-11	2.32E-08
4849	742005.49	4111002.95	1.09E-07	1.83E-07	2.02E-09	2.94E-07	1.69E-08	3.00E-08	3.03E-10	4.72E-08	1.64E-08	2.58E-08	3.84E-10	4.26E-08	9.32E-09	1.42E-08	9.47E-11	2.37E-08
4850	741981.85	4111007.55	1.11E-07	1.86E-07	2.05E-09	2.99E-07	1.72E-08	3.05E-08	3.08E-10	4.80E-08	1.67E-08	2.63E-08	3.91E-10	4.33E-08	9.48E-09	1.45E-08	9.64E-11	2.41E-08
4851	741958.21	4111012.16	1.12E-07	1.89E-07	2.09E-09	3.04E-07	1.74E-08	3.10E-08	3.13E-10	4.88E-08	1.70E-08	2.67E-08	3.97E-10	4.41E-08	9.64E-09	1.47E-08	9.80E-11	2.45E-08
4852	741934.57	4111016.77	1.14E-07	1.92E-07	2.12E-09	3.09E-07	1.77E-08	3.15E-08	3.18E-10	4.96E-08	1.72E-08	2.71E-08	4.04E-10	4.48E-08	9.80E-09	1.50E-08	9.96E-11	2.49E-08
4853	741910.93	4111021.37	1.16E-07	1.95E-07	2.15E-09	3.14E-07	1.80E-08	3.20E-08	3.23E-10	5.04E-08	1.75E-08	2.76E-08	4.10E-10	4.55E-08	9.95E-09	1.52E-08	1.01E-10	2.52E-08
4854	741887.29	4111025.98	1.18E-07	1.98E-07	2.18E-09	3.18E-07	1.82E-08	3.25E-08	3.27E-10	5.10E-08	1.77E-08	2.79E-08	4.16E-10	4.61E-08	1.01E-08	1.54E-08	1.03E-10	2.56E-08
4855	741863.66	4111030.59	1.19E-07	2.00E-07	2.21E-09	3.21E-07	1.85E-08	3.28E-08	3.31E-10	5.16E-08	1.79E-08	2.83E-08	4.20E-10	4.66E-08	1.02E-08	1.56E-08	1.04E-10	2.59E-08
4856	741840.02	4111035.19	1.20E-07	2.02E-07	2.23E-09	3.24E-07	1.86E-08	3.31E-08	3.34E-10	5.21E-08	1.81E-08	2.85E-08	4.24E-10	4.70E-08	1.03E-08	1.57E-08	1.05E-10	2.61E-08
4857	741816.38	4111039.8	1.21E-07	2.03E-07	2.24E-09	3.26E-07	1.87E-08	3.33E-08	3.36E-10	5.23E-08	1.82E-08	2.86E-08	4.26E-10	4.72E-08	1.03E-08	1.58E-08	1.05E-10	2.62E-08
4858	741792.74	4111044.41	1.21E-07	2.03E-07	2.24E-09	3.26E-07	1.87E-08	3.33E-08	3.36E-10	5.24E-08	1.82E-08	2.87E-08	4.27E-10	4.73E-08	1.04E-08	1.58E-08	1.05E-10	2.63E-08
4859	741769.1	4111049.02	1.21E-07	2.03E-07	2.24E-09	3.26E-07	1.87E-08	3.33E-08	3.36E-10	5.23E-08	1.82E-08	2.86E-08	4.26E-10	4.73E-08	1.03E-08	1.58E-08	1.05E-10	2.62E-08
4860	741725.65	4111039.94	1.23E-07	2.07E-07	2.28E-09	3.31E-07	1.90E-08	3.39E-08	3.41E-10	5.32E-08	1.85E-08	2.91E-08	4.33E-10	4.81E-08	1.05E-08	1.61E-08	1.07E-10	2.67E-08
4861	741705.83	4111026.25	1.25E-07	2.10E-07	2.32E-09	3.38E-07	1.94E-08	3.45E-08	3.48E-10	5.42E-08	1.88E-08	2.97E-08	4.41E-10	4.90E-08	1.07E-08	1.64E-08	1.09E-10	2.72E-08
4862	741686.01	4111012.56	1.27E-07	2.14E-07	2.36E-09	3.43E-07	1.97E-08	3.50E-08	3.53E-10	5.51E-08	1.91E-08	3.01E-08	4.49E-10	4.97E-08	1.09E-08	1.66E-08	1.11E-10	2.76E-08
4863	741666.2	4110998.87	1.29E-07	2.17E-07	2.39E-09	3.48E-07	2.00E-08	3.55E-08	3.58E-10	5.58E-08	1.94E-08	3.06E-08	4.55E-10	5.04E-08	1.10E-08	1.69E-08	1.12E-10	2.80E-08
4864	741646.38	4110985.19	1.30E-07	2.19E-07	2.41E-09	3.52E-07	2.02E-08	3.59E-08	3.62E-10	5.64E-08	1.96E-08	3.09E-08	4.60E-10	5.10E-08	1.11E-08	1.70E-08	1.13E-10	2.83E-08
4865	741626.57	4110971.5	1.31E-07	2.21E-07	2.43E-09	3.55E-07	2.04E-08	3.62E-08	3.65E-10	5.69E-08	1.98E-08	3.12E-08	4.64E-10	5.14E-08	1.12E-08	1.72E-08	1.14E-10	2.85E-08
4866	741606.75	4110957.81	1.32E-07	2.22E-07	2.45E-09	3.57E-07	2.05E-08	3.65E-08	3.68E-10	5.73E-08	1.99E-08	3.14E-08	4.67E-10	5.18E-08	1.13E-08	1.73E-08	1.15E-10	2.87E-08
4867	741586.94	4110944.13	1.33E-07	2.24E-07	2.47E-09	3.59E-07	2.06E-08	3.67E-08	3.70E-10	5.76E-08	2.00E-08	3.16E-08	4.69E-10	5.21E-08	1.14E-08	1.74E-08	1.16E-10	2.89E-08
4868	741567.12	4110930.44	1.34E-07	2.25E-07	2.48E-09	3.61E-07	2.07E-08	3.69E-08	3.72E-10	5.79E-08	2.01E-08	3.17E-08	4.72E-10	5.23E-08	1.14E-08	1.75E-08	1.16E-10	2.91E-08
4869	741547.3	4110916.75	1.34E-07	2.26E-07	2.49E-09	3.63E-07	2.08E-08	3.71E-08	3.74E-10	5.83E-08	2.03E-08	3.19E-08	4.75E-10	5.26E-08	1.15E-08	1.76E-08	1.17E-10	2.92E-08
4870	741527.49	4110903.06	1.35E-07	2.28E-07	2.51E-09	3.66E-07	2.10E-08	3.74E-08	3.77E-10	5.88E-08	2.04E-08	3.22E-08	4.79E-10	5.31E-08	1.16E-08	1.77E-08	1.18E-10	2.95E-08
4871	741507.67	4110889.38	1.37E-07	2.31E-07	2.54E-09	3.70E-07	2.13E-08	3.78E-08	3.82E-10	5.95E-08	2.07E-08	3.26E-08	4.84E-10	5.37E-08	1.18E-08	1.80E-08	1.19E-10	2.98E-08
4872	741487.86	4110875.69	1.40E-07	2.35E-07	2.59E-09	3.77E-07	2.16E-08	3.85E-08	3.88E-10	6.05E-08	2.10E-08	3.31E-08	4.93E-10	5.47E-08	1.20E-08	1.83E-08	1.22E-10	3.03E-08
4873	741468.04	4110862	1.43E-07	2.40E-07	2.65E-09	3.85E-07	2.21E-08	3.94E-08	3.97E-10	6.19E-08	2.15E-08	3.39E-08	5.04E-10	5.59E-08	1.22E-08	1.87E-08	1.24E-10	3.10E-08
4874	741448.22	4110848.32	1.47E-07	2.47E-07	2.72E-09	3.96E-07	2.27E-08	4.04E-08	4.08E-10	6.36E-08	2.21E-08	3.48E-08	5.18E-10	5.74E-08	1.26E-08	1.92E-08	1.28E-10	3.19E-08
4875	741428.41	4110834.63	1.51E-07	2.54E-07	2.80E-09	4.08E-07	2.34E-08	4.16E-08	4.20E-10	6.55E-08	2.28E-08	3.58E-08	5.33E-10	5.91E-08	1.29E-08	1.98E-08	1.31E-10	3.28E-08
4876	741408.59	4110820.94	1.56E-07	2.62E-07	2.89E-09	4.20E-07	2.41E-08	4.29E-08	4.33E-10	6.75E-08	2.35E-08	3.69E-08	5.50E-10	6.10E-08	1.33E-08	2.04E-08	1.36E-10	3.38E-08
4877	741388.78	4110807.25	1.60E-07	2.70E-07	2.98E-09	4.34E-07	2.49E-08	4.43E-08	4.47E-10	6.96E-08	2.42E-08	3.81E-08	5.67E-10	6.29E-08	1.38E-08	2.10E-08	1.40E-10	3.49E-08
4878	741368.96	4110793.57	1.66E-07	2.79E-07	3.07E-09	4.47E-07	2.57E-08	4.57E-08	4.61E-10	7.18E-08	2.50E-08	3.93E-08	5.85E-10	6.48E-08	1.42E-08	2.17E-08	1.44E-10	3.60E-08
4879	741349.14	4110779.88	1.71E-07	2.88E-07	3.17E-09	4.62E-07	2.65E-08	4.71E-08	4.75E-10	7.41E-08	2.58E-08	4.06E-08	6.04E-10	6.69E-08	1.46E-08	2.24E-08	1.49E-10	3.72E-08
4880	741329.33	4110766.19	1.77E-07	2.97E-07	3.27E-09	4.77E-07	2.74E-08	4.87E-08	4.91E-10	7.66E-08	2.66E-08	4.19E-08	6.24E-10	6.92E-08	1.51E-08	2.31E-08	1.54E-10	3.84E-08
4881	741309.51	4110752.51	1.82E-07	3.07E-07	3.38E-09	4.93E-07	2.83E-08	5.03E-08	5.08E-10	7.92E-08	2.75E-08	4.33E-08	6.45E-10	7.15E-08	1.56E-08	2.39E-08	1.59E-10	3.97E-08
4882	741289.7	4110738.82	1.89E-07	3.18E-07	3.50E-09	5.10E-07	2.93E-08	5.21E-08	5.25E-10	8.18E-08	2.85E-08	4.48E-08	6.67E-10	7.39E-08	1.62E-08	2.47E-08	1.64E-10	4.10E-08
4883	741269.88	4110725.13	1.95E-07	3.28E-07	3.62E-09	5.27E-07	3.02E-08	5.38E-08	5.43E-10	8.46E-08	2.94E-08	4.63E-08	6.89E-10	7.64E-08	1.67E-08	2.55E-08	1.70E-10	4.24E-08
4884	741250.07	4110711.44	2.01E-07	3.39E-07	3.73E-09	5.44E-07	3.12E-08	5.55E-08	5.60E-10	8.73E-08	3.04E-08	4.78E-08	7.11E-10	7.89E-08	1.72E-08	2.64E-08	1.75E-10	4.38E-08
4885	741230.25	4110697.76	2.07E-07	3.48E-07	3.84E-09	5.59E-07	3.21E-08	5.71E-08	5.76E-10	8.98E-08	3.12E-08	4.92E-08	7.31E-10	8.11E-08	1.77E-08	2.71E-08	1.80E-10	4.50E-08
4886	741210.43	4110684.07	2.12E-07	3.57E-07	3.93E-09	5.72E-07	3.29E-08	5.85E-08	5.90E-10	9.19E-08	3.20E-08	5.03E-08	7.48E-10	8.30E-08	1.82E-08	2.77E-08	1.85E-10	4.61E-08
4887	741190.62	4110670.38	2.16E-07	3.63E-07	4.00E-09	5.82E-07	3.34E-08	5.95E-08	6.00E-10	9.35E-08	3.25E-08	5.12E-08	7.61E-10	8.44E-08	1.85E-08	2.82E-08	1.88E-10	4.69E-08
4888	742430.98	4110920.02	6.75E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.78E-09	8.84E-09	5.88E-11	1.47E-08
4889	742451.09	4110906.53	6.66E-08	1.12E-07	1.23E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.70E-09	8.71E-09	5.80E-11	1.45E-08
4890	742471.2	4110893.04	6.58E-08	1.11E-07	1.22E-09	1.78E-07	1.02E-08	1.82E-08	1.83E-10	2.85E-08	9.92E-09	1.56E-08	2.32E-10	2.58E-08	5.64E-09	8.61E-09	5.73E-11	1.43E-08
4891	742491.31	4110879.55	6.54E-08	1.10E-07	1.21E-09	1.77E-07	1.01E-08	1.80E-08	1.82E-10	2.83E-08	9.86E-09	1.55E-08	2.31E-10	2.56E-08	5.60E-09	8.56E-09	5.69E-11	1.42E-08
4892	742511.42	4110866.05	6.55E-08	1.10E-07	1.21E-09	1.77E-07	1.02E-08	1.81E-08	1.82E-10	2.84E-08	9.87E-09	1.55E-08	2.31E-10	2.57E-08	5.61E-09	8.57E-09	5.70E-11	1.42E-08
4893	742531.53	4110852.56	6.62E-08	1.11E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.84E-10	2.87E-08	9.99E-09	1.57E-08	2.34E-10	2.59E-08	5.67E-09	8.67E-09	5.77E-11	1.44E-08
4894	742551.64	4110839.07	6.76E-08	1.14E-07	1.25E-09	1.83E-07	1.05E-08	1.87E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.39E-10	2.65E-08	5.79E-09	8.85E-09	5.89E-11	1.47E-08
4895	742571.75	4110825.58	6.94E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.93E-10	3.01E-08	1.05E-08	1.65E-08	2.45E-10	2.72E-08	5.95E-09	9.09E-09	6.05E-11	1.51E-08
4896	742591.86	4110812.08	7.14E-08	1.20E-07	1.32E-09	1.93E-07	1.11E-08	1.97E-08	1.99E-10	3.10E-08	1.08E-08	1.70E-08	2.52E-10	2.80E-08	6.12E-09	9.35E-09	6.22E-11	1.55E-08
4897	742611.97	4110798.59	7.34E-08	1.24E-07	1.36E-09	1.98E-07	1.14E-08	2.03E-08	2.04E-10	3.18E-08	1.11E-08	1.74E-08	2.59E-10	2.88E-08	6.29E-09	9.61E-09	6.40E-11	1.60E-08
4898	742632.08	4110785.1	7.53E-08	1.27E-07	1.40E-09	2.03E-07	1.17E-08	2.08E-08	2.09E-10	3.26E-08	1.14E-08	1.79E-08	2.66E-10	2.95E-08	6.45E-09	9.86E-09	6.56E-11	1.64E-08
4899	742652.19	4110771.61	7.70E-08	1.30E-07	1.43E-09	2.08E-07	1.19E-08	2.12E-08	2.14E-10	3.34E-08	1.16E-08	1.83E-08	2.72E-10	3.01E-08	6.59E-09	1.01E-08	6.70E-11	1.67E-08
4900	742672.3	4110758.12	7.85E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.19E-10	3.41E-08	1.18E-08	1.86E-08	2.77E-10	3.08E-08	6.73E-09	1.03E-08	6.84E-11	1.71E-08
4901	742692.41	4110744.62	8.01E-08	1.35E-07	1.49E-09	2.16E-07	1.24E-08	2.21E-08	2.23E-10	3.47E-08	1.21E-08	1.90E-08	2.83E-10	3.14E-08	6.86E-09	1.05E-08	6.98E-11	1.74E-08
4902	742519.14	4111090.64	5.01E-08	8.44E-08	9.30E-10	1.35E-07	7.78E-09	1.38E-08	1.40E-10	2.17E-08	7.56E-09	1.19E-08	1.77E-10	1.96E-08	4.30E-09	6.57E-09	4.37E-11	1.09E-08
4903	742495.86	4111095.18	5.14E-08	8.64E-08	9.53E-10	1.39E-07	7.97E-09	1.42E-08	1.43E-10	2.23E-08	7.75E-09	1.22E-08	1.81E-10	2.01E-08	4.40E-09	6.73E-09	4.47E-11	1.12E-08
4904	742472.59	4111099.71	5.25E-08	8.84E-08	9.74E-10	1.42E-07	8.15E-09	1.45E-08	1.46E-10	2.28E-08	7.92E-09	1.25E-08	1.86E-10	2.06E-08	4.50E-09	6.88E-09	4.58E-11	1.14E-08
4905	742449.32	4111104.25	5.36E-08	9.03E-08	9.95E-10	1.45E-07	8.32E-09	1.48E-08	1.49E-10	2.33E-08	8.09E-09	1.27E-08	1.89E-10	2.10E-08	4.60E-09	7.02E-09	4.67E-11	1.17E-08
4906	742426.04	4111108.78	5.48E-08	9.22E-08	1.02E-09	1.48E-07	8.49E-09	1.51E-08	1.52E-10	2.38E-08	8.26E-09	1.30E-08	1.93E-10	2.15E-08	4.69E-09	7.17E-09	4.77E-11	1.19E-08
4907	742402.77	4111113.32	5.60E-08	9.42E-08	1.04E-09	1.51E-07	8.68E-09	1.54E-08	1.56E-10	2.43E-08	8.44E-09	1.33E-08	1.98E-10	2.19E-08	4.79E-09	7.33E-09	4.87E-11	1.22E-08
4908	742379.49	4111117.86	5.73E-08	9.64E-08	1.06E-09	1.55E-07	8.88E-09	1.58E-08	1.59E-10	2.48E-08	8.64E-09	1.36E-08	2.02E-10	2.24E-08	4.91E-09	7.50E-09	4.99E-11	1.25E-08
4909	742356.22	4111122.39	5.87E-08	9.88E-08	1.09E-09	1.59E-07	9.11E-09	1.62E-08	1.63E-10	2.55E-08	8.86E-09	1.39E-08	2.07E-10	2.30E-08	5.03E-09	7.69E-09	5.12E-11	1.28E-08
4910	742332.95	4111126.93	6.03E-08	1.02E-07	1.12E-09	1.63E-07	9.36E-09	1.66E-08	1.68E-10	2.62E-08	9.10E-09	1.43E-08	2.13E-10	2.36E-08	5.17E-09	7.90E-09	5.26E-11	1.31E-08
4911	742309.67	4111131.46	6.21E-08	1.04E-07	1.15E-09	1.68E-07	9.62E-09	1.71E-08	1.73E-10	2.69E-08	9.36E-09	1.47E-08	2.19E-10	2.43E-08	5.32E-09	8.13E-09	5.41E-11	1.35E-08
4912	742286.4	4111136	6.38E-08	1.07E-07	1.18E-09	1.72E-07	9.90E-09	1.76E-08	1.78E-10	2.77E-08	9.63E-09	1.52E-08	2.25E-10	2.50E-08	5.47E-09	8.36E-09	5.56E-11	1.39E-08
4913	742263.13	4111140.54	6.56E-08	1.10E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.83E-10	2.85E-08	9.90E-09	1.56E-08	2.32E-10	2.57E-08	5.62E-09	8.60E-09	5.72E-11	1.43E-08
4914	742239.85	4111145.07	6.75E-08	1.14E-07	1.25E-09	1.82E-07	1.05E-08	1.86E-08	1.88E-10	2.93E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.78E-09	8.83E-09	5.88E-11	1.47E-08
4915	742216.58	4111149.61	6.93E-08	1.17E-07	1.28E-09	1.87E-07	1.07E-08	1.91E-08	1.93E-10	3.00E-08	1.04E-08	1.64E-08	2.45E-10	2.71E-08	5.94E-09	9.07E-09	6.03E-11	1.51E-08
4916	742193.3	4111154.14	7.10E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.08E-08	1.07E-08	1.69E-08	2.51E-10	2.78E-08	6.09E-09	9.30E-09	6.19E-11	1.54E-08
4917	742170.03	4111158.68	7.27E-08	1.22E-07	1.35E-09	1.96E-07	1.13E-08	2.01E-08	2.02E-10	3.15E-08	1.10E-08	1.73E-08	2.57E-10	2.85E-08	6.23E-09	9.52E-09	6.33E-11	1.58E-08
4918	742146.76	4111163.21	7.42E-08	1.25E-07	1.38E-09	2.01E-07	1.15E-08	2.05E-08	2.07E-10	3.22E-08	1.12E-08	1.76E-08	2.62E-10	2.91E-08	6.36E-09	9.72E-09	6.47E-11	1.61E-08
4919	742123.48	4111167.75	7.56E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.09E-08	2.10E-10	3.28E-08	1.14E-08	1.80E-08	2.67E-10	2.96E-08	6.48E-09	9.91E-09	6.59E-11	1.65E-08
4920	742100.21	4111172.29	7.69E-08	1.29E-07	1.43E-09	2.08E-07	1.19E-08	2.12E-08	2.14E-10	3.34E-08	1.16E-08	1.83E-08	2.72E-10	3.01E-08	6.59E-09	1.01E-08	6.70E-11	1.67E-08
4921	742076.93	4111176.82	7.82E-08	1.32E-07	1.45E-09	2.11E-07	1.21E-08	2.16E-08	2.17E-10	3.39E-08	1.18E-08	1.86E-08	2.76E-10	3.06E-08	6.70E-09	1.02E-08	6.81E-11	1.70E-08
4922	742053.66	4111181.36	7.93E-08	1.33E-07	1.47E-09	2.14E-07	1.23E-08	2.19E-08	2.21E-10	3.44E-08	1.20E-08	1.88E-08	2.80E-10	3.11E-08	6.80E-09	1.04E-08	6.91E-11	1.73E-08
4923	742030.39	4111185.89	8.05E-08	1.36E-07	1.49E-09	2.18E-07	1.25E-08	2.22E-08	2.24E-10	3.49E-08	1.21E-08	1.91E-08	2.85E-10	3.16E-08	6.90E-09	1.05E-08	7.02E-11	1.75E-08
4924	742007.11	4111190.43	8.18E-08	1.38E-07	1.52E-09	2.21E-07	1.27E-08	2.26E-08	2.28E-10	3.55E-08	1.23E-08	1.94E-08	2.89E-10	3.21E-08	7.01E-09	1.07E-08	7.13E-11	1.78E-08

4925	741983.84	4111194.96	8.32E-08	1.40E-07	1.54E-09	2.25E-07	1.29E-08	2.29E-08	2.31E-10	3.61E-08	1.25E-08	1.97E-08	2.94E-10	3.26E-08	7.13E-09	1.09E-08	7.25E-11	1.81E-08
4926	741960.57	4111199.5	8.46E-08	1.42E-07	1.57E-09	2.28E-07	1.31E-08	2.33E-08	2.35E-10	3.67E-08	1.28E-08	2.01E-08	2.99E-10	3.31E-08	7.25E-09	1.11E-08	7.37E-11	1.84E-08
4927	741937.29	4111204.04	8.59E-08	1.45E-07	1.59E-09	2.32E-07	1.33E-08	2.37E-08	2.39E-10	3.73E-08	1.30E-08	2.04E-08	3.04E-10	3.37E-08	7.36E-09	1.13E-08	7.49E-11	1.87E-08
4928	741914.02	4111208.57	8.73E-08	1.47E-07	1.62E-09	2.36E-07	1.35E-08	2.41E-08	2.43E-10	3.78E-08	1.32E-08	2.07E-08	3.08E-10	3.42E-08	7.48E-09	1.14E-08	7.60E-11	1.90E-08
4929	741890.74	4111213.11	8.85E-08	1.49E-07	1.64E-09	2.39E-07	1.37E-08	2.44E-08	2.46E-10	3.84E-08	1.33E-08	2.10E-08	3.13E-10	3.47E-08	7.58E-09	1.16E-08	7.71E-11	1.92E-08
4930	741867.47	4111217.64	8.95E-08	1.51E-07	1.66E-09	2.42E-07	1.39E-08	2.47E-08	2.49E-10	3.88E-08	1.35E-08	2.13E-08	3.16E-10	3.51E-08	7.67E-09	1.17E-08	7.80E-11	1.95E-08
4931	741844.2	4111222.18	9.04E-08	1.52E-07	1.68E-09	2.44E-07	1.40E-08	2.50E-08	2.52E-10	3.92E-08	1.36E-08	2.15E-08	3.19E-10	3.54E-08	7.75E-09	1.18E-08	7.88E-11	1.97E-08
4932	741820.92	4111226.71	9.12E-08	1.53E-07	1.69E-09	2.46E-07	1.41E-08	2.51E-08	2.54E-10	3.95E-08	1.37E-08	2.16E-08	3.22E-10	3.57E-08	7.81E-09	1.19E-08	7.94E-11	1.98E-08
4933	741797.65	4111231.25	9.17E-08	1.54E-07	1.70E-09	2.48E-07	1.42E-08	2.53E-08	2.55E-10	3.98E-08	1.38E-08	2.18E-08	3.24E-10	3.59E-08	7.85E-09	1.20E-08	7.99E-11	1.99E-08
4934	741774.38	4111235.79	9.20E-08	1.55E-07	1.71E-09	2.48E-07	1.43E-08	2.54E-08	2.56E-10	3.99E-08	1.39E-08	2.18E-08	3.25E-10	3.60E-08	7.88E-09	1.20E-08	8.01E-11	2.00E-08
4935	741751.1	4111240.32	9.21E-08	1.55E-07	1.71E-09	2.49E-07	1.43E-08	2.54E-08	2.56E-10	4.00E-08	1.39E-08	2.19E-08	3.25E-10	3.61E-08	7.89E-09	1.21E-08	8.02E-11	2.00E-08
4936	741727.83	4111244.86	9.20E-08	1.55E-07	1.71E-09	2.49E-07	1.43E-08	2.54E-08	2.56E-10	3.99E-08	1.39E-08	2.18E-08	3.25E-10	3.61E-08	7.89E-09	1.21E-08	8.02E-11	2.00E-08
4937	741685.04	4111235.92	9.35E-08	1.57E-07	1.73E-09	2.53E-07	1.45E-08	2.58E-08	2.60E-10	4.06E-08	1.41E-08	2.22E-08	3.30E-10	3.66E-08	8.01E-09	1.22E-08	8.15E-11	2.03E-08
4938	741665.53	4111222.44	9.51E-08	1.60E-07	1.76E-09	2.57E-07	1.47E-08	2.62E-08	2.64E-10	4.12E-08	1.43E-08	2.26E-08	3.36E-10	3.72E-08	8.15E-09	1.24E-08	8.28E-11	2.07E-08
4939	741646.02	4111208.97	9.65E-08	1.62E-07	1.79E-09	2.61E-07	1.50E-08	2.66E-08	2.69E-10	4.19E-08	1.46E-08	2.29E-08	3.41E-10	3.78E-08	8.27E-09	1.26E-08	8.41E-11	2.10E-08
4940	741626.51	4111195.49	9.78E-08	1.65E-07	1.81E-09	2.64E-07	1.52E-08	2.70E-08	2.72E-10	4.24E-08	1.47E-08	2.32E-08	3.45E-10	3.83E-08	8.38E-09	1.28E-08	8.52E-11	2.13E-08
4941	741607	4111182.01	9.89E-08	1.66E-07	1.83E-09	2.67E-07	1.53E-08	2.73E-08	2.75E-10	4.29E-08	1.49E-08	2.35E-08	3.49E-10	3.87E-08	8.47E-09	1.29E-08	8.61E-11	2.15E-08
4942	741587.49	4111168.54	9.97E-08	1.68E-07	1.85E-09	2.69E-07	1.55E-08	2.75E-08	2.78E-10	4.33E-08	1.50E-08	2.37E-08	3.52E-10	3.91E-08	8.55E-09	1.31E-08	8.69E-11	2.17E-08
4943	741567.98	4111155.06	1.00E-07	1.69E-07	1.86E-09	2.71E-07	1.56E-08	2.77E-08	2.79E-10	4.36E-08	1.51E-08	2.38E-08	3.55E-10	3.93E-08	8.60E-09	1.31E-08	8.75E-11	2.18E-08
4944	741548.47	4111141.59	1.01E-07	1.70E-07	1.87E-09	2.72E-07	1.56E-08	2.78E-08	2.81E-10	4.38E-08	1.52E-08	2.39E-08	3.56E-10	3.95E-08	8.64E-09	1.32E-08	8.79E-11	2.19E-08
4945	741528.96	4111128.11	1.01E-07	1.70E-07	1.88E-09	2.73E-07	1.57E-08	2.79E-08	2.81E-10	4.39E-08	1.53E-08	2.40E-08	3.57E-10	3.96E-08	8.67E-09	1.32E-08	8.81E-11	2.20E-08
4946	741509.45	4111114.64	1.01E-07	1.70E-07	1.88E-09	2.73E-07	1.57E-08	2.79E-08	2.82E-10	4.39E-08	1.53E-08	2.40E-08	3.58E-10	3.97E-08	8.68E-09	1.33E-08	8.82E-11	2.20E-08
4947	741489.94	4111101.16	1.01E-07	1.70E-07	1.88E-09	2.74E-07	1.57E-08	2.79E-08	2.82E-10	4.39E-08	1.53E-08	2.40E-08	3.58E-10	3.97E-08	8.68E-09	1.33E-08	8.82E-11	2.20E-08
4948	741470.43	4111087.68	1.01E-07	1.71E-07	1.88E-09	2.74E-07	1.57E-08	2.80E-08	2.82E-10	4.40E-08	1.53E-08	2.41E-08	3.58E-10	3.97E-08	8.68E-09	1.33E-08	8.83E-11	2.20E-08
4949	741450.92	4111074.21	1.02E-07	1.71E-07	1.88E-09	2.74E-07	1.58E-08	2.80E-08	2.83E-10	4.41E-08	1.53E-08	2.41E-08	3.59E-10	3.98E-08	8.71E-09	1.33E-08	8.85E-11	2.21E-08
4950	741431.41	4111060.73	1.02E-07	1.72E-07	1.90E-09	2.76E-07	1.59E-08	2.82E-08	2.84E-10	4.43E-08	1.54E-08	2.43E-08	3.61E-10	4.00E-08	8.76E-09	1.34E-08	8.90E-11	2.22E-08
4951	741411.9	4111047.26	1.03E-07	1.74E-07	1.92E-09	2.79E-07	1.60E-08	2.85E-08	2.87E-10	4.48E-08	1.56E-08	2.45E-08	3.65E-10	4.05E-08	8.85E-09	1.35E-08	9.00E-11	2.25E-08
4952	741392.39	4111033.78	1.05E-07	1.77E-07	1.95E-09	2.84E-07	1.63E-08	2.90E-08	2.92E-10	4.55E-08	1.58E-08	2.49E-08	3.71E-10	4.11E-08	8.99E-09	1.37E-08	9.14E-11	2.28E-08
4953	741372.88	4111020.3	1.07E-07	1.80E-07	1.99E-09	2.89E-07	1.66E-08	2.96E-08	2.98E-10	4.65E-08	1.62E-08	2.54E-08	3.78E-10	4.20E-08	9.18E-09	1.40E-08	9.33E-11	2.33E-08
4954	741353.37	4111006.83	1.10E-07	1.85E-07	2.04E-09	2.97E-07	1.70E-08	3.03E-08	3.05E-10	4.76E-08	1.66E-08	2.61E-08	3.88E-10	4.30E-08	9.41E-09	1.44E-08	9.56E-11	2.39E-08
4955	741333.86	4110993.35	1.13E-07	1.90E-07	2.09E-09	3.05E-07	1.75E-08	3.11E-08	3.14E-10	4.89E-08	1.70E-08	2.68E-08	3.99E-10	4.42E-08	9.67E-09	1.48E-08	9.83E-11	2.45E-08
4956	741314.35	4110979.88	1.16E-07	1.95E-07	2.15E-09	3.13E-07	1.80E-08	3.20E-08	3.23E-10	5.03E-08	1.75E-08	2.75E-08	4.10E-10	4.54E-08	9.94E-09	1.52E-08	1.01E-10	2.52E-08
4957	741294.84	4110966.4	1.19E-07	2.01E-07	2.21E-09	3.22E-07	1.85E-08	3.29E-08	3.32E-10	5.17E-08	1.80E-08	2.83E-08	4.21E-10	4.67E-08	1.02E-08	1.56E-08	1.04E-10	2.59E-08
4958	741275.33	4110952.92	1.22E-07	2.06E-07	2.27E-09	3.30E-07	1.90E-08	3.37E-08	3.40E-10	5.31E-08	1.84E-08	2.90E-08	4.32E-10	4.79E-08	1.05E-08	1.60E-08	1.07E-10	2.66E-08
4959	741255.82	4110939.45	1.25E-07	2.11E-07	2.33E-09	3.39E-07	1.94E-08	3.46E-08	3.49E-10	5.44E-08	1.89E-08	2.98E-08	4.43E-10	4.91E-08	1.07E-08	1.64E-08	1.09E-10	2.73E-08
4960	741236.31	4110925.97	1.28E-07	2.16E-07	2.38E-09	3.47E-07	1.99E-08	3.54E-08	3.57E-10	5.57E-08	1.94E-08	3.05E-08	4.54E-10	5.03E-08	1.10E-08	1.68E-08	1.12E-10	2.79E-08
4961	741216.8	4110912.5	1.31E-07	2.21E-07	2.44E-09	3.55E-07	2.04E-08	3.63E-08	3.66E-10	5.70E-08	1.98E-08	3.12E-08	4.64E-10	5.15E-08	1.13E-08	1.72E-08	1.15E-10	2.86E-08
4962	741197.29	4110899.02	1.35E-07	2.27E-07	2.50E-09	3.64E-07	2.09E-08	3.72E-08	3.75E-10	5.85E-08	2.03E-08	3.20E-08	4.76E-10	5.28E-08	1.16E-08	1.77E-08	1.17E-10	2.93E-08
4963	741177.78	4110885.55	1.39E-07	2.33E-07	2.57E-09	3.74E-07	2.15E-08	3.82E-08	3.86E-10	6.01E-08	2.09E-08	3.29E-08	4.90E-10	5.43E-08	1.19E-08	1.82E-08	1.21E-10	3.01E-08
4964	741158.27	4110872.07	1.43E-07	2.40E-07	2.65E-09	3.85E-07	2.21E-08	3.94E-08	3.97E-10	6.19E-08	2.15E-08	3.39E-08	5.04E-10	5.59E-08	1.22E-08	1.87E-08	1.24E-10	3.10E-08
4965	741138.76	4110858.59	1.47E-07	2.47E-07	2.73E-09	3.97E-07	2.28E-08	4.06E-08	4.09E-10	6.38E-08	2.22E-08	3.49E-08	5.19E-10	5.76E-08	1.26E-08	1.92E-08	1.28E-10	3.20E-08
4966	741119.25	4110845.12	1.51E-07	2.55E-07	2.81E-09	4.09E-07	2.35E-08	4.18E-08	4.21E-10	6.56E-08	2.28E-08	3.59E-08	5.35E-10	5.93E-08	1.30E-08	1.98E-08	1.32E-10	3.29E-08
4967	741099.74	4110831.64	1.56E-07	2.62E-07	2.88E-09	4.20E-07	2.41E-08	4.29E-08	4.33E-10	6.75E-08	2.35E-08	3.69E-08	5.49E-10	6.09E-08	1.33E-08	2.04E-08	1.35E-10	3.38E-08
4968	741080.23	4110818.17	1.59E-07	2.68E-07	2.95E-09	4.30E-07	2.47E-08	4.39E-08	4.43E-10	6.91E-08	2.40E-08	3.78E-08	5.63E-10	6.24E-08	1.36E-08	2.09E-08	1.39E-10	3.46E-08
4969	741060.72	4110804.69	1.62E-07	2.73E-07	3.01E-09	4.39E-07	2.52E-08	4.48E-08	4.52E-10	7.04E-08	2.45E-08	3.86E-08	5.74E-10	6.36E-08	1.39E-08	2.13E-08	1.41E-10	3.53E-08
4970	741041.21	4110791.21	1.65E-07	2.77E-07	3.06E-09	4.45E-07	2.56E-08	4.55E-08	4.59E-10	7.15E-08	2.49E-08	3.91E-08	5.82E-10	6.46E-08	1.41E-08	2.16E-08	1.44E-10	3.58E-08
4971	741021.7	4110777.74	1.66E-07	2.80E-07	3.09E-09	4.49E-07	2.58E-08	4.59E-08	4.63E-10	7.22E-08	2.51E-08	3.95E-08	5.88E-10	6.52E-08	1.43E-08	2.18E-08	1.45E-10	3.62E-08
4972	742542.41	4111086.11	4.89E-08	8.23E-08	9.07E-10	1.32E-07	7.59E-09	1.35E-08	1.36E-10	2.12E-08	7.38E-09	1.16E-08	1.73E-10	1.92E-08	4.19E-09	6.41E-09	4.26E-11	1.06E-08
4973	742562.52	4111072.61	4.83E-08	8.13E-08	8.96E-10	1.30E-07	7.49E-09	1.33E-08	1.34E-10	2.10E-08	7.28E-09	1.15E-08	1.71E-10	1.89E-08	4.14E-09	6.32E-09	4.21E-11	1.05E-08
4974	742582.63	4111059.12	4.78E-08	8.04E-08	8.87E-10	1.29E-07	7.41E-09	1.32E-08	1.33E-10	2.07E-08	7.21E-09	1.13E-08	1.69E-10	1.87E-08	4.10E-09	6.26E-09	4.16E-11	1.04E-08
4975	742602.74	4111045.63	4.75E-08	7.99E-08	8.81E-10	1.28E-07	7.37E-09	1.31E-08	1.32E-10	2.06E-08	7.16E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
4976	742622.85	4111032.14	4.75E-08	8.00E-08	8.82E-10	1.28E-07	7.37E-09	1.31E-08	1.32E-10	2.06E-08	7.17E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
4977	742642.96	4111018.64	4.79E-08	8.06E-08	8.88E-10	1.29E-07	7.43E-09	1.32E-08	1.33E-10	2.08E-08	7.22E-09	1.14E-08	1.69E-10	1.88E-08	4.10E-09	6.27E-09	4.17E-11	1.04E-08
4978	742663.07	4111005.15	4.87E-08	8.19E-08	9.02E-10	1.31E-07	7.54E-09	1.34E-08	1.35E-10	2.11E-08	7.34E-09	1.16E-08	1.72E-10	1.91E-08	4.17E-09	6.37E-09	4.24E-11	1.06E-08
4979	742683.18	4110991.66	4.98E-08	8.37E-08	9.23E-10	1.34E-07	7.72E-09	1.37E-08	1.38E-10	2.16E-08	7.50E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.52E-09	4.34E-11	1.08E-08
4980	742703.29	4110978.17	5.12E-08	8.61E-08	9.49E-10	1.38E-07	7.94E-09	1.41E-08	1.42E-10	2.22E-08	7.72E-09	1.22E-08	1.81E-10	2.00E-08	4.39E-09	6.70E-09	4.46E-11	1.11E-08
4981	742723.4	4110964.68	5.28E-08	8.88E-08	9.79E-10	1.43E-07	8.19E-09	1.46E-08	1.47E-10	2.29E-08	7.96E-09	1.25E-08	1.86E-10	2.07E-08	4.52E-09	6.91E-09	4.60E-11	1.15E-08
4982	742743.51	4110951.18	5.45E-08	9.17E-08	1.01E-09	1.47E-07	8.45E-09	1.50E-08	1.52E-10	2.36E-08	8.21E-09	1.29E-08	1.92E-10	2.13E-08	4.67E-09	7.13E-09	4.75E-11	1.18E-08
4983	742763.62	4110937.69	5.61E-08	9.45E-08	1.04E-09	1.52E-07	8.71E-09	1.55E-08	1.56E-10	2.43E-08	8.47E-09	1.33E-08	1.98E-10	2.20E-08	4.81E-09	7.35E-09	4.89E-11	1.22E-08
4984	742783.73	4110924.2	5.77E-08	9.70E-08	1.07E-09	1.56E-07	8.94E-09	1.59E-08	1.60E-10	2.50E-08	8.70E-09	1.37E-08	2.04E-10	2.26E-08	4.94E-09	7.55E-09	5.02E-11	1.25E-08
4985	742803.84	4110910.71	5.91E-08	9.94E-08	1.10E-09	1.60E-07	9.16E-09	1.63E-08	1.64E-10	2.56E-08	8.91E-09	1.40E-08	2.09E-10	2.31E-08	5.06E-09	7.74E-09	5.15E-11	1.29E-08
4986	742630.26	4111256.78	3.85E-08	6.48E-08	7.14E-10	1.04E-07	5.97E-09	1.06E-08	1.07E-10	1.67E-08	5.81E-09	9.14E-09	1.36E-10	1.51E-08	3.30E-09	5.04E-09	3.36E-11	8.38E-09
4987	742606.69	4111261.38	3.93E-08	6.61E-08	7.29E-10	1.06E-07	6.09E-09	1.08E-08	1.09E-10	1.70E-08	5.92E-09	9.32E-09	1.39E-10	1.54E-08	3.37E-09	5.14E-09	3.42E-11	8.54E-09
4988	742583.11	4111265.97	4.00E-08	6.73E-08	7.42E-10	1.08E-07	6.21E-09	1.10E-08	1.11E-10	1.74E-08	6.03E-09	9.50E-09	1.41E-10	1.57E-08	3.43E-09	5.24E-09	3.49E-11	8.70E-09
4989	742559.54	4111270.57	4.07E-08	6.86E-08	7.56E-10	1.10E-07	6.32E-09	1.12E-08	1.13E-10	1.77E-08	6.14E-09	9.67E-09	1.44E-10	1.60E-08	3.49E-09	5.34E-09	3.55E-11	8.86E-09
4990	742535.96	4111275.16	4.15E-08	6.98E-08	7.69E-10	1.12E-07	6.43E-09	1.14E-08	1.15E-10	1.80E-08	6.25E-09	9.85E-09	1.47E-10	1.62E-08	3.55E-09	5.43E-09	3.61E-11	9.02E-09
4991	742512.38	4111279.76	4.22E-08	7.10E-08	7.83E-10	1.14E-07	6.55E-09	1.16E-08	1.17E-10	1.83E-08	6.37E-09	1.00E-08	1.49E-10	1.65E-08	3.62E-09	5.53E-09	3.68E-11	9.18E-09
4992	742488.81	4111284.35	4.30E-08	7.24E-08	7.98E-10	1.16E-07	6.67E-09	1.19E-08	1.20E-10	1.87E-08	6.48E-09	1.02E-08	1.52E-10	1.68E-08	3.68E-09	5.63E-09	3.75E-11	9.35E-09
4993	742465.23	4111288.95	4.39E-08	7.39E-08	8.14E-10	1.19E-07	6.81E-09	1.21E-08	1.22E-10	1.90E-08	6.62E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.75E-09	3.82E-11	9.55E-09
4994	742441.66	4111293.54	4.49E-08	7.56E-08	8.33E-10	1.21E-07	6.97E-09	1.24E-08	1.25E-10	1.95E-08	6.77E-09	1.07E-08	1.59E-10	1.76E-08	3.85E-09	5.88E-09	3.91E-11	9.77E-09
4995	742418.08	4111298.14	4.61E-08	7.75E-08	8.54E-10	1.24E-07	7.14E-09	1.27E-08	1.28E-10	2.00E-08	6.94E-09	1.09E-08	1.63E-10	1.80E-08	3.95E-09	6.03E-09	4.01E-11	1.00E-08
4996	742394.5	4111302.73	4.73E-08	7.96E-08	8.77E-10	1.28E-07	7.33E-09	1.30E-08	1.32E-10	2.05E-08	7.13E-09	1.12E-08	1.67E-10	1.85E-08	4.05E-09	6.19E-09	4.12E-11	1.03E-08
4997	742370.93	4111307.32	4.86E-08	8.18E-08	9.02E-10	1.31E-07	7.54E-09	1.34E-08	1.35E-10	2.11E-08	7.33E-09	1.15E-08	1.72E-10	1.90E-08	4.17E-09	6.37E-09	4.23E-11	1.06E-08
4998	742347.35	4111311.92	5.00E-08	8.41E-08	9.27E-10	1.35E-07	7.75E-09	1.38E-08	1.39E-10	2.17E-08	7.53E-09	1.19E-08	1.77E-10	1.96E-08	4.28E-09	6.54E-09	4.35E-11	1.09E-08
4999	742323.78	4111316.51	5.13E-08	8.64E-08	9.52E-10	1.39E-07	7.96E-09	1.42E-08	1.43E-10	2.23E-08	7.74E-09	1.22E-08	1.81E-10	2.01E-08	4.40E-09	6.72E-09	4.47E-11	1.12E-08
5000	742300.2	4111321.11	5.27E-08	8.87E-08	9.77E-10	1.42E-07	8.17E-09	1.45E-08	1.47E-10	2.29E-08	7.95E-09	1.25E-08	1.86E-10	2.06E-08	4.52E-09	6.90E-09	4.59E-11	1.15E-08
5001	742276.62	4111325.7	5.40E-08	9.09E-08	1.00E-09	1.46E-07	8.38E-09	1.49E-08	1.50E-10	2.34E-08	8.15E-09	1.28E-08	1.91E-10	2.12E-08	4.63E-09	7.08E-09	4.71E-11	1.18E-08
5002	742253.05	4111330.3	5.53E-08	9.31E-08	1.03E-09	1.49E-07	8.58E-09	1.53E-08	1.54E-10	2.40E-08	8.34E-09	1.31E-08	1.95E-10	2.17E-08	4.74E-09	7.24E-09	4.82E-11	1.20E-08
5003	742229.47	4111334.89	5.65E-08	9.51E-08	1.05E-09	1.53E-07	8.77E-09	1.56E-08	1.57E-10	2.45E-08	8.52E-09	1.34E-08	2.00E-10	2.21E-08	4.84E-09	7.40E-09	4.93E-11	1.23E-08
5004	742205.9	4111339.49	5.76E-08	9.70E-08	1.07E-09	1.56E-07	8.94E-09	1.59E-08	1.60E-10	2.50E-08	8.69E-09	1.37E-08	2.04E-10	2.26E-08	4.94E-09	7.55E-09	5.02E-11	1.25E-08
5005	742182.32	4111344.08	5.86E-08	9.87E-08	1.09E-09	1.58E-07	9.09E-09	1.62E-08	1.63E-10	2.54E-08	8.84E-09	1.39E-08	2.07E-10	2.30E-08	5.02E-09	7.68E-09	5.11E-11	1.28E-08
5006	742158.74	4111348.68	5.95E-08	1.00E-07	1.10E-09	1.61E-07	9.23E-09	1.64E-08	1.66E-10	2.58E-08	8.97E-09	1.41E-08	2.10E-10	2.33E-08	5.10E-09	7.79E-09	5.18E-11	1.29E-08
5007	742135.17	4111353.27	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
5008	742111.59	4111357.87	6.10E-08	1.03E-07	1.13E-09	1.65E-07	9.45E-09	1.68E-08	1.70E-10	2.64E-08	9.19E-09	1.45E-08	2.15E-10	2.39E-08	5.22E-09	7.98E-09	5.31E-11	1.33E-08
5009	742088.01	4111362.46	6.17E-08	1.04E-07	1.14E-09	1.67E-07	9.56E-09	1.70E-08	1.72E-10	2.67E-08	9.30E-09	1.46E-08	2.18E-10	2.42E-08	5.28E-09	8.07E-09	5.37E-11	1.34E-08
5010	742064.44	4111367.06	6.24E-08	1.05E-07	1.16E-09	1.69E-07	9.68E-09	1.72E-08	1.74E-10	2.71E-08	9.41E-09	1.48E-08	2.20E-10	2.44E-08	5.35E-09	8.17E-09	5.44E-11	1.36E-08
5011	742040.86	4111371.65	6.32E-08	1.06E-07	1.17E-09	1.71E-07	9.80E-09	1.74E-08	1.76E-10	2.74E-08	9.53E-09	1.50E-08	2.23E-10	2.48E-08	5.42E-09	8.28E-09	5.51E-11	1.37E-08
5012	742017.29	4111376.25	6.41E-08	1.08E-07	1.19E-09	1.73E-07	9.95E-09	1.77E-08	1.78E-10	2.78E-08	9.67E-09	1.52E-08	2.27E-10	2.51E-08	5.50E-09	8.40E-09	5.59E-11	1.39E-08

5013	741993.71	4111380.84	6.52E-08	1.10E-07	1.21E-09	1.76E-07	1.01E-08	1.80E-08	1.81E-10	2.83E-08	9.82E-09	1.55E-08	2.30E-10	2.55E-08	5.58E-09	8.53E-09	5.68E-11	1.42E-08
5014	741970.13	4111385.43	6.62E-08	1.11E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.84E-10	2.87E-08	9.99E-09	1.57E-08	2.34E-10	2.59E-08	5.68E-09	8.67E-09	5.77E-11	1.44E-08
5015	741946.56	4111390.03	6.73E-08	1.13E-07	1.25E-09	1.82E-07	1.04E-08	1.86E-08	1.87E-10	2.92E-08	1.02E-08	1.60E-08	2.38E-10	2.64E-08	5.77E-09	8.82E-09	5.87E-11	1.46E-08
5016	741922.98	4111394.62	6.84E-08	1.15E-07	1.27E-09	1.85E-07	1.06E-08	1.89E-08	1.90E-10	2.97E-08	1.03E-08	1.62E-08	2.42E-10	2.68E-08	5.86E-09	8.96E-09	5.96E-11	1.49E-08
5017	741899.41	4111399.22	6.94E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.93E-10	3.01E-08	1.05E-08	1.65E-08	2.45E-10	2.72E-08	5.95E-09	9.09E-09	6.05E-11	1.51E-08
5018	741875.83	4111403.81	7.04E-08	1.18E-07	1.31E-09	1.90E-07	1.09E-08	1.94E-08	1.96E-10	3.05E-08	1.06E-08	1.67E-08	2.49E-10	2.76E-08	6.03E-09	9.21E-09	6.13E-11	1.53E-08
5019	741852.25	4111408.41	7.12E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.09E-08	1.07E-08	1.69E-08	2.51E-10	2.79E-08	6.10E-09	9.32E-09	6.20E-11	1.55E-08
5020	741828.68	4111413	7.19E-08	1.21E-07	1.33E-09	1.94E-07	1.11E-08	1.98E-08	2.00E-10	3.12E-08	1.08E-08	1.71E-08	2.54E-10	2.82E-08	6.16E-09	9.41E-09	6.26E-11	1.56E-08
5021	741805.1	4111417.6	7.24E-08	1.22E-07	1.34E-09	1.96E-07	1.12E-08	2.00E-08	2.01E-10	3.14E-08	1.09E-08	1.72E-08	2.56E-10	2.84E-08	6.20E-09	9.48E-09	6.31E-11	1.57E-08
5022	741781.53	4111422.19	7.28E-08	1.23E-07	1.35E-09	1.97E-07	1.13E-08	2.01E-08	2.03E-10	3.16E-08	1.10E-08	1.73E-08	2.57E-10	2.85E-08	6.24E-09	9.54E-09	6.34E-11	1.58E-08
5023	741757.95	4111426.79	7.31E-08	1.23E-07	1.36E-09	1.97E-07	1.13E-08	2.02E-08	2.03E-10	3.17E-08	1.10E-08	1.74E-08	2.58E-10	2.86E-08	6.26E-09	9.57E-09	6.37E-11	1.59E-08
5024	741734.37	4111431.38	7.33E-08	1.23E-07	1.36E-09	1.98E-07	1.14E-08	2.02E-08	2.04E-10	3.18E-08	1.11E-08	1.74E-08	2.59E-10	2.87E-08	6.28E-09	9.60E-09	6.38E-11	1.59E-08
5025	741710.8	4111435.98	7.33E-08	1.23E-07	1.36E-09	1.98E-07	1.14E-08	2.02E-08	2.04E-10	3.18E-08	1.11E-08	1.74E-08	2.59E-10	2.87E-08	6.29E-09	9.61E-09	6.39E-11	1.60E-08
5026	741687.22	4111440.57	7.33E-08	1.23E-07	1.36E-09	1.98E-07	1.14E-08	2.02E-08	2.04E-10	3.18E-08	1.11E-08	1.74E-08	2.59E-10	2.87E-08	6.28E-09	9.60E-09	6.39E-11	1.59E-08
5027	741643.88	4111431.51	7.44E-08	1.25E-07	1.38E-09	2.01E-07	1.15E-08	2.05E-08	2.07E-10	3.23E-08	1.12E-08	1.77E-08	2.63E-10	2.91E-08	6.37E-09	9.74E-09	6.48E-11	1.62E-08
5028	741624.12	4111417.86	7.55E-08	1.27E-07	1.40E-09	2.04E-07	1.17E-08	2.08E-08	2.10E-10	3.28E-08	1.14E-08	1.79E-08	2.67E-10	2.96E-08	6.47E-09	9.89E-09	6.58E-11	1.64E-08
5029	741604.36	4111404.21	7.66E-08	1.29E-07	1.42E-09	2.07E-07	1.19E-08	2.11E-08	2.13E-10	3.32E-08	1.16E-08	1.82E-08	2.71E-10	3.00E-08	6.57E-09	1.00E-08	6.68E-11	1.67E-08
5030	741584.59	4111390.56	7.76E-08	1.31E-07	1.44E-09	2.10E-07	1.20E-08	2.14E-08	2.16E-10	3.37E-08	1.17E-08	1.84E-08	2.74E-10	3.04E-08	6.65E-09	1.02E-08	6.76E-11	1.69E-08
5031	741564.83	4111376.91	7.85E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.19E-10	3.41E-08	1.18E-08	1.86E-08	2.77E-10	3.08E-08	6.73E-09	1.03E-08	6.84E-11	1.71E-08
5032	741545.07	4111363.26	7.93E-08	1.34E-07	1.47E-09	2.14E-07	1.23E-08	2.19E-08	2.21E-10	3.44E-08	1.20E-08	1.88E-08	2.80E-10	3.11E-08	6.80E-09	1.04E-08	6.91E-11	1.73E-08
5033	741525.3	4111349.61	8.00E-08	1.35E-07	1.48E-09	2.16E-07	1.24E-08	2.21E-08	2.23E-10	3.47E-08	1.21E-08	1.90E-08	2.83E-10	3.13E-08	6.86E-09	1.05E-08	6.97E-11	1.74E-08
5034	741505.54	4111335.96	8.05E-08	1.36E-07	1.49E-09	2.18E-07	1.25E-08	2.22E-08	2.24E-10	3.49E-08	1.21E-08	1.91E-08	2.84E-10	3.15E-08	6.90E-09	1.05E-08	7.02E-11	1.75E-08
5035	741485.77	4111322.31	8.08E-08	1.36E-07	1.50E-09	2.18E-07	1.25E-08	2.23E-08	2.25E-10	3.51E-08	1.22E-08	1.92E-08	2.86E-10	3.17E-08	6.93E-09	1.06E-08	7.04E-11	1.76E-08
5036	741466.01	4111308.66	8.10E-08	1.36E-07	1.50E-09	2.19E-07	1.26E-08	2.23E-08	2.25E-10	3.51E-08	1.22E-08	1.92E-08	2.86E-10	3.17E-08	6.94E-09	1.06E-08	7.06E-11	1.76E-08
5037	741446.25	4111295.01	8.10E-08	1.36E-07	1.50E-09	2.19E-07	1.26E-08	2.23E-08	2.25E-10	3.51E-08	1.22E-08	1.92E-08	2.86E-10	3.17E-08	6.94E-09	1.06E-08	7.05E-11	1.76E-08
5038	741426.48	4111281.35	8.08E-08	1.36E-07	1.50E-09	2.18E-07	1.25E-08	2.23E-08	2.25E-10	3.50E-08	1.22E-08	1.92E-08	2.85E-10	3.17E-08	6.92E-09	1.06E-08	7.04E-11	1.76E-08
5039	741406.72	4111267.7	8.06E-08	1.36E-07	1.49E-09	2.18E-07	1.25E-08	2.22E-08	2.24E-10	3.49E-08	1.21E-08	1.91E-08	2.85E-10	3.16E-08	6.90E-09	1.05E-08	7.02E-11	1.75E-08
5040	741386.96	4111254.05	8.03E-08	1.35E-07	1.49E-09	2.17E-07	1.25E-08	2.22E-08	2.24E-10	3.48E-08	1.21E-08	1.91E-08	2.84E-10	3.15E-08	6.88E-09	1.05E-08	7.00E-11	1.75E-08
5041	741367.19	4111240.4	8.02E-08	1.35E-07	1.49E-09	2.17E-07	1.24E-08	2.21E-08	2.23E-10	3.48E-08	1.21E-08	1.91E-08	2.83E-10	3.14E-08	6.88E-09	1.05E-08	6.99E-11	1.75E-08
5042	741347.43	4111226.75	8.04E-08	1.35E-07	1.49E-09	2.17E-07	1.25E-08	2.22E-08	2.24E-10	3.49E-08	1.21E-08	1.91E-08	2.84E-10	3.15E-08	6.89E-09	1.05E-08	7.01E-11	1.75E-08
5043	741327.67	4111213.1	8.09E-08	1.36E-07	1.50E-09	2.19E-07	1.25E-08	2.23E-08	2.25E-10	3.51E-08	1.22E-08	1.92E-08	2.86E-10	3.17E-08	6.93E-09	1.06E-08	7.05E-11	1.76E-08
5044	741307.9	4111199.45	8.19E-08	1.38E-07	1.52E-09	2.21E-07	1.27E-08	2.26E-08	2.28E-10	3.55E-08	1.24E-08	1.94E-08	2.89E-10	3.21E-08	7.02E-09	1.07E-08	7.14E-11	1.78E-08
5045	741288.14	4111185.8	8.34E-08	1.40E-07	1.55E-09	2.25E-07	1.29E-08	2.30E-08	2.32E-10	3.62E-08	1.26E-08	1.98E-08	2.95E-10	3.27E-08	7.15E-09	1.09E-08	7.27E-11	1.81E-08
5046	741268.38	4111172.15	8.53E-08	1.44E-07	1.58E-09	2.30E-07	1.32E-08	2.35E-08	2.37E-10	3.70E-08	1.29E-08	2.03E-08	3.01E-10	3.34E-08	7.31E-09	1.12E-08	7.43E-11	1.86E-08
5047	741248.61	4111158.5	8.75E-08	1.47E-07	1.62E-09	2.36E-07	1.36E-08	2.42E-08	2.44E-10	3.80E-08	1.32E-08	2.08E-08	3.09E-10	3.43E-08	7.50E-09	1.15E-08	7.63E-11	1.90E-08
5048	741228.85	4111144.85	9.00E-08	1.51E-07	1.67E-09	2.43E-07	1.40E-08	2.48E-08	2.50E-10	3.90E-08	1.36E-08	2.14E-08	3.18E-10	3.52E-08	7.71E-09	1.18E-08	7.84E-11	1.96E-08
5049	741209.09	4111131.2	9.24E-08	1.56E-07	1.71E-09	2.50E-07	1.43E-08	2.55E-08	2.57E-10	4.01E-08	1.39E-08	2.19E-08	3.26E-10	3.62E-08	7.92E-09	1.21E-08	8.05E-11	2.01E-08
5050	741189.32	4111117.54	9.48E-08	1.60E-07	1.76E-09	2.56E-07	1.47E-08	2.62E-08	2.64E-10	4.11E-08	1.43E-08	2.25E-08	3.35E-10	3.71E-08	8.12E-09	1.24E-08	8.26E-11	2.06E-08
5051	741169.56	4111103.89	9.70E-08	1.63E-07	1.80E-09	2.62E-07	1.50E-08	2.68E-08	2.70E-10	4.21E-08	1.46E-08	2.30E-08	3.43E-10	3.80E-08	8.31E-09	1.27E-08	8.45E-11	2.11E-08
5052	741149.8	4111090.24	9.89E-08	1.66E-07	1.84E-09	2.67E-07	1.53E-08	2.73E-08	2.75E-10	4.29E-08	1.49E-08	2.35E-08	3.49E-10	3.88E-08	8.48E-09	1.30E-08	8.62E-11	2.15E-08
5053	741130.03	4111076.59	1.01E-07	1.70E-07	1.87E-09	2.72E-07	1.56E-08	2.78E-08	2.80E-10	4.37E-08	1.52E-08	2.39E-08	3.56E-10	3.95E-08	8.64E-09	1.32E-08	8.78E-11	2.19E-08
5054	741110.27	4111062.94	1.03E-07	1.73E-07	1.90E-09	2.77E-07	1.59E-08	2.83E-08	2.86E-10	4.45E-08	1.55E-08	2.44E-08	3.63E-10	4.02E-08	8.80E-09	1.34E-08	8.94E-11	2.23E-08
5055	741090.51	4111049.29	1.05E-07	1.76E-07	1.94E-09	2.83E-07	1.62E-08	2.89E-08	2.91E-10	4.54E-08	1.58E-08	2.48E-08	3.70E-10	4.10E-08	8.96E-09	1.37E-08	9.11E-11	2.28E-08
5056	741070.74	4111035.64	1.07E-07	1.80E-07	1.98E-09	2.89E-07	1.66E-08	2.95E-08	2.97E-10	4.63E-08	1.61E-08	2.54E-08	3.77E-10	4.18E-08	9.15E-09	1.40E-08	9.31E-11	2.32E-08
5057	741050.98	4111021.99	1.09E-07	1.84E-07	2.03E-09	2.95E-07	1.70E-08	3.02E-08	3.04E-10	4.74E-08	1.65E-08	2.60E-08	3.86E-10	4.28E-08	9.37E-09	1.43E-08	9.52E-11	2.38E-08
5058	741031.22	4111008.34	1.12E-07	1.89E-07	2.08E-09	3.03E-07	1.74E-08	3.09E-08	3.12E-10	4.86E-08	1.69E-08	2.66E-08	3.96E-10	4.39E-08	9.60E-09	1.47E-08	9.77E-11	2.44E-08
5059	741011.45	4110994.69	1.15E-07	1.94E-07	2.14E-09	3.11E-07	1.79E-08	3.18E-08	3.20E-10	5.00E-08	1.74E-08	2.73E-08	4.07E-10	4.51E-08	9.87E-09	1.51E-08	1.00E-10	2.50E-08
5060	740991.69	4110981.04	1.18E-07	1.99E-07	2.20E-09	3.20E-07	1.84E-08	3.27E-08	3.29E-10	5.14E-08	1.79E-08	2.81E-08	4.18E-10	4.64E-08	1.01E-08	1.55E-08	1.03E-10	2.58E-08
5061	740971.92	4110967.38	1.22E-07	2.05E-07	2.26E-09	3.29E-07	1.89E-08	3.36E-08	3.38E-10	5.28E-08	1.83E-08	2.89E-08	4.30E-10	4.76E-08	1.04E-08	1.59E-08	1.06E-10	2.65E-08
5062	740952.16	4110953.73	1.25E-07	2.10E-07	2.31E-09	3.37E-07	1.93E-08	3.44E-08	3.47E-10	5.41E-08	1.88E-08	2.96E-08	4.40E-10	4.88E-08	1.07E-08	1.63E-08	1.09E-10	2.71E-08
5063	740932.4	4110940.08	1.27E-07	2.14E-07	2.36E-09	3.44E-07	1.98E-08	3.51E-08	3.54E-10	5.53E-08	1.92E-08	3.02E-08	4.50E-10	4.99E-08	1.09E-08	1.67E-08	1.11E-10	2.77E-08
5064	740912.63	4110926.43	1.30E-07	2.18E-07	2.41E-09	3.50E-07	2.01E-08	3.58E-08	3.61E-10	5.63E-08	1.96E-08	3.08E-08	4.58E-10	5.08E-08	1.11E-08	1.70E-08	1.13E-10	2.82E-08
5065	740892.87	4110912.78	1.31E-07	2.21E-07	2.44E-09	3.55E-07	2.04E-08	3.63E-08	3.66E-10	5.70E-08	1.98E-08	3.12E-08	4.64E-10	5.15E-08	1.13E-08	1.72E-08	1.15E-10	2.86E-08
5066	740873.11	4110899.13	1.33E-07	2.23E-07	2.46E-09	3.58E-07	2.06E-08	3.66E-08	3.69E-10	5.75E-08	2.00E-08	3.15E-08	4.68E-10	5.19E-08	1.14E-08	1.74E-08	1.15E-10	2.88E-08
5067	740853.34	4110885.48	1.33E-07	2.24E-07	2.47E-09	3.60E-07	2.06E-08	3.67E-08	3.70E-10	5.77E-08	2.01E-08	3.16E-08	4.70E-10	5.21E-08	1.14E-08	1.74E-08	1.16E-10	2.89E-08
5068	742653.84	4111252.19	3.78E-08	6.36E-08	7.01E-10	1.02E-07	5.86E-09	1.04E-08	1.05E-10	1.64E-08	5.70E-09	8.97E-09	1.33E-10	1.48E-08	3.24E-09	4.95E-09	3.29E-11	8.22E-09
5069	742673.95	4111238.7	3.74E-08	6.30E-08	6.95E-10	1.01E-07	5.81E-09	1.03E-08	1.04E-10	1.62E-08	5.65E-09	8.89E-09	1.32E-10	1.47E-08	3.21E-09	4.90E-09	3.26E-11	8.15E-09
5070	742694.06	4111225.2	3.71E-08	6.25E-08	6.89E-10	1.00E-07	5.76E-09	1.02E-08	1.03E-10	1.61E-08	5.60E-09	8.82E-09	1.31E-10	1.46E-08	3.18E-09	4.86E-09	3.24E-11	8.08E-09
5071	742714.17	4111211.71	3.69E-08	6.22E-08	6.85E-10	9.98E-08	5.73E-09	1.02E-08	1.03E-10	1.60E-08	5.57E-09	8.77E-09	1.30E-10	1.45E-08	3.16E-09	4.84E-09	3.22E-11	8.03E-09
5072	742734.28	4111198.22	3.69E-08	6.20E-08	6.84E-10	9.95E-08	5.71E-09	1.02E-08	1.03E-10	1.60E-08	5.56E-09	8.75E-09	1.30E-10	1.44E-08	3.16E-09	4.83E-09	3.21E-11	8.02E-09
5073	742754.39	4111184.73	3.69E-08	6.22E-08	6.85E-10	9.98E-08	5.73E-09	1.02E-08	1.03E-10	1.60E-08	5.57E-09	8.77E-09	1.31E-10	1.45E-08	3.17E-09	4.84E-09	3.22E-11	8.04E-09
5074	742774.5	4111171.23	3.73E-08	6.27E-08	6.91E-10	1.01E-07	5.78E-09	1.03E-08	1.04E-10	1.62E-08	5.62E-09	8.85E-09	1.32E-10	1.46E-08	3.19E-09	4.88E-09	3.25E-11	8.11E-09
5075	742794.61	4111157.74	3.79E-08	6.37E-08	7.02E-10	1.02E-07	5.87E-09	1.04E-08	1.05E-10	1.64E-08	5.71E-09	8.99E-09	1.34E-10	1.48E-08	3.24E-09	4.96E-09	3.30E-11	8.24E-09
5076	742814.72	4111144.25	3.87E-08	6.52E-08	7.19E-10	1.05E-07	6.01E-09	1.07E-08	1.08E-10	1.68E-08	5.84E-09	9.20E-09	1.37E-10	1.52E-08	3.32E-09	5.07E-09	3.37E-11	8.43E-09
5077	742834.83	4111130.76	3.99E-08	6.71E-08	7.40E-10	1.08E-07	6.18E-09	1.10E-08	1.11E-10	1.73E-08	6.01E-09	9.47E-09	1.41E-10	1.56E-08	3.42E-09	5.22E-09	3.47E-11	8.67E-09
5078	742854.94	4111117.27	4.12E-08	6.93E-08	7.64E-10	1.11E-07	6.39E-09	1.14E-08	1.15E-10	1.79E-08	6.21E-09	9.78E-09	1.46E-10	1.61E-08	3.53E-09	5.40E-09	3.59E-11	8.96E-09
5079	742875.05	4111103.77	4.27E-08	7.18E-08	7.91E-10	1.15E-07	6.61E-09	1.18E-08	1.19E-10	1.85E-08	6.43E-09	1.01E-08	1.51E-10	1.67E-08	3.65E-09	5.58E-09	3.72E-11	9.28E-09
5080	742895.16	4111090.28	4.41E-08	7.43E-08	8.18E-10	1.19E-07	6.84E-09	1.22E-08	1.23E-10	1.91E-08	6.65E-09	1.05E-08	1.56E-10	1.73E-08	3.78E-09	5.78E-09	3.84E-11	9.60E-09
5081	742915.27	4111076.79	4.55E-08	7.66E-08	8.45E-10	1.23E-07	7.06E-09	1.26E-08	1.27E-10	1.98E-08	6.87E-09	1.08E-08	1.61E-10	1.78E-08	3.90E-09	5.96E-09	3.97E-11	9.91E-09
5082	742741.95	4111422.82	3.11E-08	5.24E-08	5.77E-10	8.41E-08	4.83E-09	8.59E-09	8.66E-11	1.35E-08	4.69E-09	7.39E-09	1.10E-10	1.22E-08	2.67E-09	4.08E-09	2.71E-11	6.77E-09
5083	742718.64	4111427.36	3.16E-08	5.31E-08	5.85E-10	8.53E-08	4.90E-09	8.71E-09	8.78E-11	1.37E-08	4.76E-09	7.49E-09	1.12E-10	1.24E-08	2.70E-09	4.13E-09	2.75E-11	6.87E-09
5084	742695.32	4111431.9	3.20E-08	5.38E-08	5.93E-10	8.64E-08	4.96E-09	8.83E-09	8.90E-11	1.39E-08	4.82E-09	7.59E-09	1.13E-10	1.25E-08	2.74E-09	4.19E-09	2.79E-11	6.96E-09
5085	742672	4111436.45	3.24E-08	5.45E-08	6.01E-10	8.75E-08	5.02E-09	8.94E-09	9.01E-11	1.41E-08	4.89E-09	7.69E-09	1.14E-10	1.27E-08	2.78E-09	4.24E-09	2.82E-11	7.05E-09
5086	742648.68	4111440.99	3.28E-08	5.52E-08	6.08E-10	8.86E-08	5.09E-09	9.05E-09	9.13E-11	1.42E-08	4.95E-09	7.79E-09	1.16E-10	1.29E-08	2.81E-09	4.30E-09	2.86E-11	7.13E-09
5087	742625.37	4111445.54	3.32E-08	5.59E-08	6.16E-10	8.97E-08	5.15E-09	9.17E-09	9.24E-11	1.44E-08	5.01E-09	7.89E-09	1.17E-10	1.30E-08	2.85E-09	4.35E-09	2.89E-11	7.23E-09
5088	742602.05	4111450.08	3.37E-08	5.67E-08	6.25E-10	9.10E-08	5.23E-09	9.30E-09	9.37E-11	1.46E-08	5.08E-09	8.00E-09	1.19E-10	1.32E-08	2.89E-09	4.41E-09	2.94E-11	7.33E-09
5089	742578.73	4111454.63	3.42E-08	5.76E-08	6.35E-10	9.24E-08	5.31E-09	9.44E-09	9.52E-11	1.48E-08	5.16E-09	8.12E-09	1.21E-10	1.34E-08	2.93E-09	4.48E-09	2.98E-11	7.44E-09
5090	742555.42	4111459.17	3.48E-08	5.86E-08	6.46E-10	9.40E-08	5.40E-09	9.60E-09	9.68E-11	1.51E-08	5.25E-09	8.26E-09	1.23E-10	1.36E-08	2.98E-09	4.56E-09	3.03E-11	7.57E-09
5091	742532.1	4111463.71	3.55E-08	5.97E-08	6.58E-10	9.59E-08	5.50E-09	9.79E-09	9.87E-11	1.54E-08	5.35E-09	8.43E-09	1.25E-10	1.39E-08	3.04E-09	4.65E-09	3.09E-11	7.72E-09
5092	742508.78	4111468.26	3.63E-08	6.11E-08	6.73E-10	9.80E-08	5.63E-09	1.00E-08	1.01E-10	1.57E-08	5.47E-09	8.61E-09	1.28E-10	1.42E-08	3.11E-09	4.75E-09	3.16E-11	7.89E-09
5093	742485.47	4111472.8	3.72E-08	6.26E-08	6.90E-10	1.00E-07	5.77E-09	1.03E-08	1.03E-10	1.61E-08	5.61E-09	8.83E-09	1.31E-10	1.46E-08	3.19E-09	4.87E-09	3.24E-11	8.09E-09
5094	742462.15	4111477.35	3.82E-08	6.42E-08	7.08E-10	1.03E-07	5.92E-09	1.05E-08	1.06E-10	1.66E-08	5.76E-09	9.06E-09	1.35E-10	1.50E-08	3.27E-09	5.00E-09	3.32E-11	8.30E-09
5095	742438.83	4111481.89	3.92E-08	6.60E-08	7.27E-10	1.06E-07	6.08E-09	1.08E-08	1.09E-10	1.70E-08	5.91E-09	9.31E-09	1.39E-10	1.54E-08	3.36E-09	5.13E-09	3.42E-11	8.53E-09
5096	742415.51	4111486.43	4.03E-08	6.78E-08	7.47E-10	1.09E-07	6.25E-09	1.11E-08	1.12E-10	1.75E-08	6.08E-09	9.56E-09	1.42E-10	1.58E-08	3.45E-09	5.28E-09	3.51E-11	8.76E-09
5097	742392.2	4111490.98	4.14E-08	6.96E-08	7.68E-10	1.12E-07	6.42E-09	1.14E-08	1.15E-10	1.79E-08	6.24E-09	9.82E-09	1.46E-10	1.62E-08	3.55E-09	5.42E-09	3.61E-11	9.00E-09
5098	742368.88	4111495.52	4.25E-08	7.15E-08	7.88E-10	1.15E-07	6.59E-09	1.17E-08	1.18E-10	1.84E-08	6.40E-09	1.01E-08	1.50E-10	1.66E-08	3.64E-09	5.56E-09	3.70E-11	9.24E-09
5099	742345.56	4111500.07	4.35E-08	7.32E-08	8.07E-10	1.18E-07	6.75E-09	1.20E-08	1.21E-10	1.89E-08	6.56E-09	1.03E-08	1.54E-10	1.70E-08	3.73E-09	5.70E-09	3.79E-11	9.47E-09
5100	742322.25	4111504.61	4.45E-08	7.49E-08	8.26E-10	1.20E-07	6.91E-09	1.23E-08	1.24E-10	1.93E-08	6.72E-09	1.06E-08	1.57E-10	1.74E-08	3.82E-09	5.83E-09	3.88E-11	9.69E-09

5101	742298.93	4111509.16	4.55E-08	7.65E-08	8.44E-10	1.23E-07	7.05E-09	1.26E-08	1.27E-10	1.97E-08	6.86E-09	1.08E-08	1.61E-10	1.78E-08	3.90E-09	5.96E-09	3.96E-11	9.89E-09
5102	742275.61	4111513.7	4.64E-08	7.80E-08	8.60E-10	1.25E-07	7.19E-09	1.28E-08	1.29E-10	2.01E-08	6.99E-09	1.10E-08	1.64E-10	1.82E-08	3.97E-09	6.07E-09	4.04E-11	1.01E-08
5103	742252.3	4111518.24	4.72E-08	7.94E-08	8.75E-10	1.27E-07	7.31E-09	1.30E-08	1.31E-10	2.05E-08	7.11E-09	1.12E-08	1.67E-10	1.85E-08	4.04E-09	6.17E-09	4.11E-11	1.03E-08
5104	742228.98	4111522.79	4.78E-08	8.05E-08	8.87E-10	1.29E-07	7.42E-09	1.32E-08	1.33E-10	2.08E-08	7.21E-09	1.14E-08	1.69E-10	1.87E-08	4.10E-09	6.27E-09	4.17E-11	1.04E-08
5105	742205.66	4111527.33	4.84E-08	8.15E-08	8.98E-10	1.31E-07	7.51E-09	1.34E-08	1.35E-10	2.10E-08	7.30E-09	1.15E-08	1.71E-10	1.90E-08	4.15E-09	6.34E-09	4.22E-11	1.05E-08
5106	742182.34	4111531.88	4.89E-08	8.23E-08	9.07E-10	1.32E-07	7.59E-09	1.35E-08	1.36E-10	2.12E-08	7.38E-09	1.16E-08	1.73E-10	1.92E-08	4.19E-09	6.41E-09	4.26E-11	1.06E-08
5107	742159.03	4111536.42	4.93E-08	8.30E-08	9.15E-10	1.33E-07	7.65E-09	1.36E-08	1.37E-10	2.14E-08	7.44E-09	1.17E-08	1.74E-10	1.93E-08	4.23E-09	6.46E-09	4.30E-11	1.07E-08
5108	742135.71	4111540.96	4.97E-08	8.36E-08	9.22E-10	1.34E-07	7.71E-09	1.37E-08	1.38E-10	2.16E-08	7.49E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.51E-09	4.33E-11	1.08E-08
5109	742112.39	4111545.51	5.01E-08	8.43E-08	9.29E-10	1.35E-07	7.77E-09	1.38E-08	1.39E-10	2.17E-08	7.55E-09	1.19E-08	1.77E-10	1.96E-08	4.29E-09	6.56E-09	4.36E-11	1.09E-08
5110	742089.08	4111550.05	5.05E-08	8.50E-08	9.37E-10	1.36E-07	7.83E-09	1.39E-08	1.41E-10	2.19E-08	7.62E-09	1.20E-08	1.78E-10	1.98E-08	4.33E-09	6.62E-09	4.40E-11	1.10E-08
5111	742065.76	4111554.6	5.10E-08	8.59E-08	9.46E-10	1.38E-07	7.91E-09	1.41E-08	1.42E-10	2.21E-08	7.69E-09	1.21E-08	1.80E-10	2.00E-08	4.37E-09	6.68E-09	4.45E-11	1.11E-08
5112	742042.44	4111559.14	5.16E-08	8.69E-08	9.58E-10	1.39E-07	8.01E-09	1.42E-08	1.44E-10	2.24E-08	7.79E-09	1.23E-08	1.82E-10	2.02E-08	4.42E-09	6.76E-09	4.50E-11	1.12E-08
5113	742019.13	4111563.69	5.23E-08	8.81E-08	9.71E-10	1.41E-07	8.11E-09	1.44E-08	1.46E-10	2.27E-08	7.89E-09	1.24E-08	1.85E-10	2.05E-08	4.48E-09	6.85E-09	4.56E-11	1.14E-08
5114	741995.81	4111568.23	5.31E-08	8.94E-08	9.85E-10	1.43E-07	8.24E-09	1.47E-08	1.48E-10	2.30E-08	8.01E-09	1.26E-08	1.88E-10	2.08E-08	4.55E-09	6.95E-09	4.63E-11	1.16E-08
5115	741972.49	4111572.77	5.39E-08	9.08E-08	1.00E-09	1.46E-07	8.37E-09	1.49E-08	1.50E-10	2.34E-08	8.14E-09	1.28E-08	1.91E-10	2.11E-08	4.62E-09	7.06E-09	4.70E-11	1.17E-08
5116	741949.18	4111577.32	5.48E-08	9.22E-08	1.02E-09	1.48E-07	8.50E-09	1.51E-08	1.53E-10	2.38E-08	8.27E-09	1.30E-08	1.94E-10	2.15E-08	4.70E-09	7.18E-09	4.78E-11	1.19E-08
5117	741925.86	4111581.86	5.57E-08	9.37E-08	1.03E-09	1.50E-07	8.63E-09	1.54E-08	1.55E-10	2.41E-08	8.40E-09	1.32E-08	1.97E-10	2.18E-08	4.77E-09	7.29E-09	4.85E-11	1.21E-08
5118	741902.54	4111586.41	5.65E-08	9.51E-08	1.05E-09	1.53E-07	8.76E-09	1.56E-08	1.57E-10	2.45E-08	8.52E-09	1.34E-08	2.00E-10	2.21E-08	4.84E-09	7.40E-09	4.92E-11	1.23E-08
5119	741879.22	4111590.95	5.73E-08	9.64E-08	1.06E-09	1.55E-07	8.88E-09	1.58E-08	1.59E-10	2.48E-08	8.64E-09	1.36E-08	2.02E-10	2.24E-08	4.91E-09	7.50E-09	4.99E-11	1.25E-08
5120	741855.91	4111595.49	5.79E-08	9.75E-08	1.07E-09	1.57E-07	8.99E-09	1.60E-08	1.61E-10	2.51E-08	8.74E-09	1.38E-08	2.05E-10	2.27E-08	4.97E-09	7.59E-09	5.05E-11	1.26E-08
5121	741832.59	4111600.04	5.85E-08	9.85E-08	1.09E-09	1.58E-07	9.08E-09	1.61E-08	1.63E-10	2.54E-08	8.83E-09	1.39E-08	2.07E-10	2.29E-08	5.01E-09	7.66E-09	5.10E-11	1.27E-08
5122	741809.27	4111604.58	5.90E-08	9.93E-08	1.09E-09	1.59E-07	9.15E-09	1.63E-08	1.64E-10	2.56E-08	8.90E-09	1.40E-08	2.08E-10	2.31E-08	5.06E-09	7.73E-09	5.14E-11	1.28E-08
5123	741785.96	4111609.13	5.94E-08	1.00E-07	1.10E-09	1.61E-07	9.21E-09	1.64E-08	1.65E-10	2.58E-08	8.96E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.78E-09	5.18E-11	1.29E-08
5124	741762.64	4111613.67	5.98E-08	1.01E-07	1.11E-09	1.61E-07	9.27E-09	1.65E-08	1.66E-10	2.59E-08	9.01E-09	1.42E-08	2.11E-10	2.34E-08	5.12E-09	7.82E-09	5.21E-11	1.30E-08
5125	741739.32	4111618.22	6.00E-08	1.01E-07	1.11E-09	1.62E-07	9.31E-09	1.66E-08	1.67E-10	2.60E-08	9.05E-09	1.42E-08	2.12E-10	2.35E-08	5.14E-09	7.86E-09	5.23E-11	1.31E-08
5126	741716.01	4111622.76	6.02E-08	1.01E-07	1.12E-09	1.63E-07	9.33E-09	1.66E-08	1.67E-10	2.61E-08	9.08E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.88E-09	5.24E-11	1.31E-08
5127	741692.69	4111627.3	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.35E-09	1.66E-08	1.68E-10	2.61E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.17E-09	7.89E-09	5.25E-11	1.31E-08
5128	741669.37	4111631.85	6.03E-08	1.02E-07	1.12E-09	1.63E-07	9.36E-09	1.66E-08	1.68E-10	2.62E-08	9.10E-09	1.43E-08	2.13E-10	2.36E-08	5.17E-09	7.90E-09	5.26E-11	1.31E-08
5129	741646.05	4111636.39	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.35E-09	1.66E-08	1.68E-10	2.62E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.17E-09	7.90E-09	5.25E-11	1.31E-08
5130	741603.19	4111627.44	6.11E-08	1.03E-07	1.13E-09	1.65E-07	9.47E-09	1.69E-08	1.70E-10	2.65E-08	9.21E-09	1.45E-08	2.16E-10	2.39E-08	5.23E-09	8.00E-09	5.32E-11	1.33E-08
5131	741583.65	4111613.94	6.19E-08	1.04E-07	1.15E-09	1.67E-07	9.60E-09	1.71E-08	1.72E-10	2.69E-08	9.34E-09	1.47E-08	2.19E-10	2.43E-08	5.31E-09	8.11E-09	5.39E-11	1.35E-08
5132	741564.1	4111600.43	6.27E-08	1.06E-07	1.16E-09	1.69E-07	9.72E-09	1.73E-08	1.74E-10	2.72E-08	9.46E-09	1.49E-08	2.22E-10	2.46E-08	5.37E-09	8.21E-09	5.46E-11	1.36E-08
5133	741544.55	4111586.93	6.35E-08	1.07E-07	1.18E-09	1.71E-07	9.84E-09	1.75E-08	1.77E-10	2.75E-08	9.57E-09	1.51E-08	2.24E-10	2.49E-08	5.44E-09	8.31E-09	5.53E-11	1.38E-08
5134	741525.01	4111573.43	6.42E-08	1.08E-07	1.19E-09	1.73E-07	9.95E-09	1.77E-08	1.79E-10	2.78E-08	9.68E-09	1.52E-08	2.27E-10	2.51E-08	5.50E-09	8.40E-09	5.59E-11	1.40E-08
5135	741505.46	4111559.93	6.49E-08	1.09E-07	1.20E-09	1.75E-07	1.01E-08	1.79E-08	1.81E-10	2.81E-08	9.78E-09	1.54E-08	2.29E-10	2.54E-08	5.56E-09	8.50E-09	5.65E-11	1.41E-08
5136	741485.91	4111546.43	6.55E-08	1.10E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.82E-10	2.84E-08	9.88E-09	1.56E-08	2.31E-10	2.57E-08	5.61E-09	8.58E-09	5.71E-11	1.42E-08
5137	741466.37	4111532.93	6.61E-08	1.11E-07	1.23E-09	1.78E-07	1.02E-08	1.82E-08	1.84E-10	2.87E-08	9.96E-09	1.57E-08	2.33E-10	2.59E-08	5.66E-09	8.65E-09	5.76E-11	1.44E-08
5138	741446.82	4111519.43	6.65E-08	1.12E-07	1.23E-09	1.80E-07	1.03E-08	1.84E-08	1.85E-10	2.89E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.70E-09	8.71E-09	5.79E-11	1.45E-08
5139	741427.27	4111505.93	6.69E-08	1.13E-07	1.24E-09	1.81E-07	1.04E-08	1.85E-08	1.86E-10	2.90E-08	1.01E-08	1.59E-08	2.36E-10	2.62E-08	5.73E-09	8.76E-09	5.83E-11	1.45E-08
5140	741407.73	4111492.43	6.71E-08	1.13E-07	1.24E-09	1.81E-07	1.04E-08	1.85E-08	1.87E-10	2.91E-08	1.01E-08	1.59E-08	2.37E-10	2.63E-08	5.75E-09	8.78E-09	5.84E-11	1.46E-08
5141	741388.18	4111478.93	6.71E-08	1.13E-07	1.25E-09	1.81E-07	1.04E-08	1.85E-08	1.87E-10	2.91E-08	1.01E-08	1.59E-08	2.37E-10	2.63E-08	5.75E-09	8.79E-09	5.85E-11	1.46E-08
5142	741368.64	4111465.43	6.70E-08	1.13E-07	1.24E-09	1.81E-07	1.04E-08	1.85E-08	1.86E-10	2.91E-08	1.01E-08	1.59E-08	2.37E-10	2.63E-08	5.74E-09	8.77E-09	5.84E-11	1.46E-08
5143	741349.09	4111451.92	6.68E-08	1.12E-07	1.24E-09	1.80E-07	1.04E-08	1.84E-08	1.86E-10	2.90E-08	1.01E-08	1.58E-08	2.36E-10	2.61E-08	5.72E-09	8.74E-09	5.82E-11	1.45E-08
5144	741329.54	4111438.42	6.64E-08	1.12E-07	1.23E-09	1.79E-07	1.03E-08	1.83E-08	1.85E-10	2.88E-08	1.00E-08	1.58E-08	2.35E-10	2.60E-08	5.69E-09	8.70E-09	5.79E-11	1.44E-08
5145	741310	4111424.92	6.60E-08	1.11E-07	1.23E-09	1.78E-07	1.02E-08	1.82E-08	1.84E-10	2.86E-08	9.96E-09	1.57E-08	2.33E-10	2.59E-08	5.66E-09	8.65E-09	5.75E-11	1.44E-08
5146	741290.45	4111411.42	6.57E-08	1.11E-07	1.22E-09	1.78E-07	1.02E-08	1.81E-08	1.83E-10	2.85E-08	9.91E-09	1.56E-08	2.32E-10	2.58E-08	5.63E-09	8.61E-09	5.73E-11	1.43E-08
5147	741270.9	4111397.92	6.56E-08	1.10E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.82E-10	2.84E-08	9.89E-09	1.56E-08	2.32E-10	2.57E-08	5.62E-09	8.59E-09	5.71E-11	1.43E-08
5148	741251.36	4111384.42	6.57E-08	1.11E-07	1.22E-09	1.77E-07	1.02E-08	1.81E-08	1.83E-10	2.85E-08	9.91E-09	1.56E-08	2.32E-10	2.57E-08	5.63E-09	8.60E-09	5.72E-11	1.43E-08
5149	741231.81	4111370.92	6.61E-08	1.11E-07	1.23E-09	1.79E-07	1.03E-08	1.82E-08	1.84E-10	2.87E-08	9.97E-09	1.57E-08	2.34E-10	2.59E-08	5.66E-09	8.66E-09	5.76E-11	1.44E-08
5150	741212.27	4111357.42	6.69E-08	1.13E-07	1.24E-09	1.81E-07	1.04E-08	1.85E-08	1.86E-10	2.90E-08	1.01E-08	1.59E-08	2.36E-10	2.62E-08	5.73E-09	8.76E-09	5.83E-11	1.45E-08
5151	741192.72	4111343.92	6.80E-08	1.15E-07	1.26E-09	1.84E-07	1.06E-08	1.88E-08	1.89E-10	2.95E-08	1.03E-08	1.62E-08	2.40E-10	2.67E-08	5.83E-09	8.91E-09	5.93E-11	1.48E-08
5152	741173.17	4111330.42	6.95E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.93E-10	3.02E-08	1.05E-08	1.65E-08	2.46E-10	2.72E-08	5.96E-09	9.10E-09	6.06E-11	1.51E-08
5153	741153.63	4111316.92	7.13E-08	1.20E-07	1.32E-09	1.93E-07	1.11E-08	1.97E-08	1.98E-10	3.09E-08	1.07E-08	1.69E-08	2.52E-10	2.79E-08	6.11E-09	9.33E-09	6.21E-11	1.55E-08
5154	741134.08	4111303.42	7.32E-08	1.23E-07	1.36E-09	1.98E-07	1.14E-08	2.02E-08	2.04E-10	3.18E-08	1.10E-08	1.74E-08	2.59E-10	2.87E-08	6.27E-09	9.59E-09	6.38E-11	1.59E-08
5155	741114.53	4111289.91	7.52E-08	1.27E-07	1.39E-09	2.03E-07	1.17E-08	2.07E-08	2.09E-10	3.26E-08	1.13E-08	1.78E-08	2.66E-10	2.94E-08	6.44E-09	9.84E-09	6.55E-11	1.64E-08
5156	741094.99	4111276.41	7.71E-08	1.30E-07	1.43E-09	2.08E-07	1.20E-08	2.13E-08	2.14E-10	3.34E-08	1.16E-08	1.83E-08	2.72E-10	3.02E-08	6.60E-09	1.01E-08	6.71E-11	1.68E-08
5157	741075.44	4111262.91	7.88E-08	1.33E-07	1.46E-09	2.13E-07	1.22E-08	2.17E-08	2.19E-10	3.42E-08	1.19E-08	1.87E-08	2.78E-10	3.09E-08	6.75E-09	1.03E-08	6.87E-11	1.71E-08
5158	741055.9	4111249.41	8.03E-08	1.35E-07	1.49E-09	2.17E-07	1.25E-08	2.22E-08	2.24E-10	3.49E-08	1.21E-08	1.91E-08	2.84E-10	3.15E-08	6.88E-09	1.05E-08	7.00E-11	1.75E-08
5159	741036.35	4111235.91	8.16E-08	1.37E-07	1.51E-09	2.20E-07	1.27E-08	2.25E-08	2.27E-10	3.54E-08	1.23E-08	1.94E-08	2.88E-10	3.20E-08	6.99E-09	1.07E-08	7.11E-11	1.78E-08
5160	741016.8	4111222.41	8.28E-08	1.39E-07	1.54E-09	2.24E-07	1.28E-08	2.28E-08	2.30E-10	3.59E-08	1.25E-08	1.97E-08	2.92E-10	3.24E-08	7.09E-09	1.08E-08	7.21E-11	1.80E-08
5161	740997.26	4111208.91	8.39E-08	1.41E-07	1.56E-09	2.27E-07	1.30E-08	2.31E-08	2.33E-10	3.64E-08	1.27E-08	1.99E-08	2.96E-10	3.29E-08	7.19E-09	1.10E-08	7.31E-11	1.82E-08
5162	740977.71	4111195.41	8.50E-08	1.43E-07	1.58E-09	2.30E-07	1.32E-08	2.35E-08	2.37E-10	3.69E-08	1.28E-08	2.02E-08	3.00E-10	3.33E-08	7.29E-09	1.11E-08	7.41E-11	1.85E-08
5163	740958.16	4111181.91	8.63E-08	1.45E-07	1.60E-09	2.33E-07	1.34E-08	2.38E-08	2.40E-10	3.75E-08	1.30E-08	2.05E-08	3.05E-10	3.38E-08	7.40E-09	1.13E-08	7.52E-11	1.88E-08
5164	740938.62	4111168.41	8.78E-08	1.48E-07	1.63E-09	2.37E-07	1.36E-08	2.42E-08	2.44E-10	3.81E-08	1.32E-08	2.09E-08	3.10E-10	3.44E-08	7.53E-09	1.15E-08	7.65E-11	1.91E-08
5165	740919.07	4111154.91	8.96E-08	1.51E-07	1.66E-09	2.42E-07	1.39E-08	2.47E-08	2.49E-10	3.89E-08	1.35E-08	2.13E-08	3.17E-10	3.51E-08	7.68E-09	1.17E-08	7.81E-11	1.95E-08
5166	740899.53	4111141.4	9.17E-08	1.54E-07	1.70E-09	2.48E-07	1.42E-08	2.53E-08	2.55E-10	3.98E-08	1.38E-08	2.18E-08	3.24E-10	3.59E-08	7.86E-09	1.20E-08	7.99E-11	1.99E-08
5167	740879.98	4111127.9	9.40E-08	1.58E-07	1.74E-09	2.54E-07	1.46E-08	2.59E-08	2.61E-10	4.08E-08	1.42E-08	2.23E-08	3.32E-10	3.68E-08	8.05E-09	1.23E-08	8.19E-11	2.04E-08
5168	740860.43	4111114.4	9.64E-08	1.62E-07	1.79E-09	2.60E-07	1.49E-08	2.66E-08	2.68E-10	4.18E-08	1.45E-08	2.29E-08	3.41E-10	3.78E-08	8.26E-09	1.26E-08	8.40E-11	2.10E-08
5169	740840.89	4111100.9	9.88E-08	1.66E-07	1.83E-09	2.67E-07	1.53E-08	2.73E-08	2.75E-10	4.29E-08	1.49E-08	2.35E-08	3.49E-10	3.87E-08	8.47E-09	1.29E-08	8.61E-11	2.15E-08
5170	740821.34	4111087.4	1.01E-07	1.70E-07	1.88E-09	2.73E-07	1.57E-08	2.79E-08	2.82E-10	4.39E-08	1.53E-08	2.40E-08	3.58E-10	3.97E-08	8.67E-09	1.33E-08	8.82E-11	2.20E-08
5171	740801.79	4111073.9	1.03E-07	1.74E-07	1.92E-09	2.79E-07	1.60E-08	2.85E-08	2.88E-10	4.48E-08	1.56E-08	2.45E-08	3.65E-10	4.05E-08	8.86E-09	1.35E-08	9.01E-11	2.25E-08
5172	740782.25	4111060.4	1.05E-07	1.77E-07	1.95E-09	2.84E-07	1.63E-08	2.90E-08	2.93E-10	4.57E-08	1.59E-08	2.50E-08	3.72E-10	4.12E-08	9.02E-09	1.38E-08	9.17E-11	2.29E-08
5173	740762.7	4111046.9	1.07E-07	1.80E-07	1.98E-09	2.89E-07	1.66E-08	2.95E-08	2.97E-10	4.63E-08	1.61E-08	2.54E-08	3.77E-10	4.19E-08	9.16E-09	1.40E-08	9.31E-11	2.32E-08
5174	740743.15	4111033.4	1.08E-07	1.82E-07	2.01E-09	2.92E-07	1.68E-08	2.98E-08	3.01E-10	4.69E-08	1.63E-08	2.57E-08	3.82E-10	4.23E-08	9.26E-09	1.42E-08	9.42E-11	2.35E-08
5175	740723.61	4111019.9	1.09E-07	1.83E-07	2.02E-09	2.94E-07	1.69E-08	3.01E-08	3.03E-10	4.73E-08	1.64E-08	2.59E-08	3.85E-10	4.27E-08	9.34E-09	1.43E-08	9.49E-11	2.37E-08
5176	740704.06	4111006.4	1.09E-07	1.84E-07	2.03E-09	2.95E-07	1.70E-08	3.02E-08	3.04E-10	4.74E-08	1.65E-08	2.60E-08	3.86E-10	4.28E-08	9.37E-09	1.43E-08	9.53E-11	2.38E-08
5177	740684.52	4110992.9	1.09E-07	1.84E-07	2.03E-09	2.96E-07	1.70E-08	3.02E-08	3.04E-10	4.75E-08	1.65E-08	2.60E-08	3.87E-10	4.29E-08	9.38E-09	1.43E-08	9.53E-11	2.38E-08
5178	742765.27	4111418.27	3.07E-08	5.16E-08	5.69E-10	8.28E-08	4.76E-09	8.46E-09	8.53E-11	1.33E-08	4.62E-09	7.28E-09	1.08E-10	1.20E-08	2.63E-09	4.02E-09	2.67E-11	6.67E-09
5179	742785.38	4111404.78	3.05E-08	5.13E-08	5.65E-10	8.23E-08	4.72E-09	8.40E-09	8.47E-11	1.32E-08	4.59E-09	7.23E-09	1.08E-10	1.19E-08	2.61E-09	3.99E-09	2.65E-11	6.62E-09
5180	742805.49	4111391.29	3.02E-08	5.09E-08	5.61E-10	8.17E-08	4.69E-09	8.34E-09	8.41E-11	1.31E-08	4.56E-09	7.18E-09	1.07E-10	1.18E-08	2.59E-09	3.96E-09	2.63E-11	6.57E-09
5181	742825.6	4111377.79	3.00E-08	5.05E-08	5.57E-10	8.11E-08	4.65E-09	8.28E-09	8.35E-11	1.30E-08	4.53E-09	7.12E-09	1.06E-10	1.18E-08	2.57E-09	3.93E-09	2.61E-11	6.53E-09
5182	742845.71	4111364.3	2.99E-08	5.02E-08	5.54E-10	8.07E-08	4.63E-09	8.24E-09	8.31E-11	1.30E-08	4.50E-09	7.09E-09	1.05E-10	1.17E-08	2.56E-09	3.91E-09	2.60E-11	6.49E-09
5183	742865.82	4111350.81	2.98E-08	5.01E-08	5.52E-10	8.04E-08	4.62E-09	8.22E-09	8.29E-11	1.29E-08	4.49E-09	7.07E-09	1.05E-10	1.17E-08	2.55E-09	3.90E-09	2.59E-11	6.48E-09
5184	742885.93	4111337.32	2.99E-08	5.02E-08	5.54E-10	8.07E-08	4.63E-09	8.24E-09	8.31E-11	1.30E-08	4.50E-09	7.09E-09	1.05E-10	1.17E-08	2.56E-09	3.91E-09	2.60E-11	6.49E-09
5185	742906.04	4111323.83	3.01E-08	5.07E-08	5.59E-10	8.14E-08	4.67E-09	8.31E-09	8.38E-11	1.31E-08	4.54E-09	7.15E-09	1.06E-10	1.18E-08	2.58E-09	3.94E-09	2.62E-11	6.55E-09
5186	742926.15	4111310.33	3.06E-08	5.15E-08	5.68E-10	8.27E-08	4.75E-09	8.45E-09	8.52E-11	1.33E-08	4.62E-09	7.27E-09	1.08E-10	1.20E-08	2.62E-09	4.01E-09	2.67E-11	6.66E-09
5187	742946.26	4111296.84	3.14E-08	5.28E-08	5.82E-10	8.47E-08	4.86E-09	8.65E-09	8.72E-11	1.36E-08	4.73E-09	7.44E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.73E-11	6.82E-09
5188	742966.37	4111283.35	3.23E-08	5.44E-08	5.99E-10	8.73E-08	5.01E-09	8.91E-09	8.99E-11	1.40E-08	4.87E-09	7.67E-09	1.14E-10	1.27E-08	2.77E-09	4.23E-09	2.81E-11	7.03E-09

5189	742986.48	4111269.86	3.34E-08	5.63E-08	6.20E-10	9.03E-08	5.19E-09	9.23E-09	9.30E-11	1.45E-08	5.04E-09	7.94E-09	1.18E-10	1.31E-08	2.87E-09	4.38E-09	2.91E-11	7.27E-09
5190	743006.59	4111256.36	3.47E-08	5.84E-08	6.44E-10	9.37E-08	5.38E-09	9.57E-09	9.65E-11	1.51E-08	5.23E-09	8.24E-09	1.23E-10	1.36E-08	2.97E-09	4.54E-09	3.02E-11	7.55E-09
5191	743026.7	4111242.87	3.60E-08	6.06E-08	6.68E-10	9.73E-08	5.58E-09	9.93E-09	1.00E-10	1.56E-08	5.43E-09	8.55E-09	1.27E-10	1.41E-08	3.08E-09	4.71E-09	3.14E-11	7.83E-09
5192	742964.4	4111755.06	2.24E-08	3.77E-08	4.15E-10	6.05E-08	3.47E-09	6.18E-09	6.23E-11	9.72E-09	3.38E-09	5.32E-09	7.91E-11	8.77E-09	1.92E-09	2.93E-09	1.95E-11	4.87E-09
5193	742940.68	4111759.68	2.26E-08	3.81E-08	4.20E-10	6.11E-08	3.51E-09	6.24E-09	6.30E-11	9.82E-09	3.41E-09	5.37E-09	8.00E-11	8.87E-09	1.94E-09	2.96E-09	1.97E-11	4.92E-09
5194	742916.95	4111764.31	2.28E-08	3.84E-08	4.23E-10	6.16E-08	3.54E-09	6.30E-09	6.35E-11	9.90E-09	3.44E-09	5.42E-09	8.06E-11	8.94E-09	1.96E-09	2.99E-09	1.99E-11	4.96E-09
5195	742893.23	4111768.93	2.30E-08	3.87E-08	4.26E-10	6.21E-08	3.56E-09	6.34E-09	6.39E-11	9.96E-09	3.46E-09	5.45E-09	8.11E-11	9.00E-09	1.97E-09	3.01E-09	2.00E-11	5.00E-09
5196	742869.5	4111773.56	2.31E-08	3.89E-08	4.28E-10	6.24E-08	3.58E-09	6.37E-09	6.42E-11	1.00E-08	3.48E-09	5.48E-09	8.16E-11	9.04E-09	1.98E-09	3.02E-09	2.01E-11	5.02E-09
5197	742845.78	4111778.18	2.32E-08	3.90E-08	4.30E-10	6.26E-08	3.60E-09	6.40E-09	6.45E-11	1.01E-08	3.50E-09	5.51E-09	8.19E-11	9.08E-09	1.99E-09	3.04E-09	2.02E-11	5.04E-09
5198	742822.05	4111782.8	2.33E-08	3.92E-08	4.32E-10	6.29E-08	3.61E-09	6.42E-09	6.48E-11	1.01E-08	3.51E-09	5.53E-09	8.22E-11	9.12E-09	2.00E-09	3.05E-09	2.03E-11	5.06E-09
5199	742798.33	4111787.43	2.34E-08	3.94E-08	4.34E-10	6.32E-08	3.63E-09	6.45E-09	6.51E-11	1.01E-08	3.53E-09	5.55E-09	8.26E-11	9.16E-09	2.00E-09	3.06E-09	2.04E-11	5.09E-09
5200	742774.61	4111792.05	2.35E-08	3.96E-08	4.36E-10	6.35E-08	3.65E-09	6.49E-09	6.54E-11	1.02E-08	3.55E-09	5.58E-09	8.31E-11	9.21E-09	2.02E-09	3.08E-09	2.05E-11	5.12E-09
5201	742750.88	4111796.67	2.37E-08	3.99E-08	4.40E-10	6.40E-08	3.68E-09	6.54E-09	6.60E-11	1.03E-08	3.57E-09	5.63E-09	8.37E-11	9.29E-09	2.03E-09	3.10E-09	2.07E-11	5.16E-09
5202	742727.16	4111801.3	2.40E-08	4.03E-08	4.44E-10	6.47E-08	3.72E-09	6.61E-09	6.67E-11	1.04E-08	3.61E-09	5.69E-09	8.46E-11	9.38E-09	2.05E-09	3.14E-09	2.09E-11	5.21E-09
5203	742703.43	4111805.92	2.43E-08	4.09E-08	4.51E-10	6.56E-08	3.77E-09	6.70E-09	6.76E-11	1.05E-08	3.66E-09	5.77E-09	8.58E-11	9.52E-09	2.08E-09	3.18E-09	2.12E-11	5.28E-09
5204	742679.71	4111810.54	2.47E-08	4.16E-08	4.58E-10	6.67E-08	3.83E-09	6.81E-09	6.87E-11	1.07E-08	3.72E-09	5.86E-09	8.72E-11	9.67E-09	2.12E-09	3.23E-09	2.15E-11	5.37E-09
5205	742655.98	4111815.17	2.52E-08	4.24E-08	4.67E-10	6.80E-08	3.91E-09	6.95E-09	7.01E-11	1.09E-08	3.80E-09	5.98E-09	8.90E-11	9.87E-09	2.16E-09	3.30E-09	2.19E-11	5.48E-09
5206	742632.26	4111819.79	2.58E-08	4.33E-08	4.78E-10	6.96E-08	3.99E-09	7.11E-09	7.17E-11	1.12E-08	3.88E-09	6.11E-09	9.10E-11	1.01E-08	2.21E-09	3.37E-09	2.24E-11	5.60E-09
5207	742608.53	4111824.42	2.64E-08	4.44E-08	4.90E-10	7.13E-08	4.09E-09	7.28E-09	7.34E-11	1.15E-08	3.98E-09	6.27E-09	9.32E-11	1.03E-08	2.26E-09	3.46E-09	2.30E-11	5.74E-09
5208	742584.81	4111829.04	2.71E-08	4.56E-08	5.03E-10	7.32E-08	4.20E-09	7.48E-09	7.54E-11	1.18E-08	4.09E-09	6.43E-09	9.57E-11	1.06E-08	2.32E-09	3.55E-09	2.36E-11	5.89E-09
5209	742561.08	4111833.66	2.78E-08	4.68E-08	5.16E-10	7.52E-08	4.32E-09	7.68E-09	7.74E-11	1.21E-08	4.20E-09	6.61E-09	9.83E-11	1.09E-08	2.39E-09	3.65E-09	2.43E-11	6.05E-09
5210	742537.36	4111838.29	2.86E-08	4.82E-08	5.31E-10	7.73E-08	4.44E-09	7.90E-09	7.96E-11	1.24E-08	4.32E-09	6.79E-09	1.01E-10	1.12E-08	2.45E-09	3.75E-09	2.49E-11	6.22E-09
5211	742513.63	4111842.91	2.94E-08	4.95E-08	5.46E-10	7.95E-08	4.56E-09	8.12E-09	8.19E-11	1.28E-08	4.44E-09	6.98E-09	1.04E-10	1.15E-08	2.52E-09	3.85E-09	2.56E-11	6.40E-09
5212	742489.91	4111847.53	3.02E-08	5.09E-08	5.61E-10	8.16E-08	4.69E-09	8.34E-09	8.41E-11	1.31E-08	4.56E-09	7.17E-09	1.07E-10	1.18E-08	2.59E-09	3.96E-09	2.63E-11	6.57E-09
5213	742466.18	4111852.16	3.10E-08	5.22E-08	5.76E-10	8.38E-08	4.81E-09	8.56E-09	8.63E-11	1.35E-08	4.68E-09	7.37E-09	1.10E-10	1.22E-08	2.66E-09	4.06E-09	2.70E-11	6.75E-09
5214	742442.46	4111856.78	3.18E-08	5.35E-08	5.90E-10	8.59E-08	4.93E-09	8.77E-09	8.85E-11	1.38E-08	4.80E-09	7.55E-09	1.12E-10	1.25E-08	2.72E-09	4.16E-09	2.77E-11	6.92E-09
5215	742418.73	4111861.41	3.25E-08	5.47E-08	6.03E-10	8.79E-08	5.04E-09	8.97E-09	9.05E-11	1.41E-08	4.90E-09	7.72E-09	1.15E-10	1.27E-08	2.79E-09	4.26E-09	2.83E-11	7.07E-09
5216	742395.01	4111866.03	3.32E-08	5.58E-08	6.15E-10	8.96E-08	5.15E-09	9.15E-09	9.23E-11	1.44E-08	5.00E-09	7.88E-09	1.17E-10	1.30E-08	2.84E-09	4.34E-09	2.89E-11	7.22E-09
5217	742371.29	4111870.65	3.38E-08	5.68E-08	6.26E-10	9.12E-08	5.24E-09	9.32E-09	9.40E-11	1.46E-08	5.09E-09	8.02E-09	1.19E-10	1.32E-08	2.89E-09	4.42E-09	2.94E-11	7.35E-09
5218	742347.56	4111875.28	3.43E-08	5.77E-08	6.36E-10	9.26E-08	5.31E-09	9.45E-09	9.53E-11	1.49E-08	5.17E-09	8.14E-09	1.21E-10	1.34E-08	2.94E-09	4.49E-09	2.99E-11	7.45E-09
5219	742323.84	4111879.9	3.47E-08	5.83E-08	6.43E-10	9.37E-08	5.38E-09	9.57E-09	9.65E-11	1.50E-08	5.23E-09	8.23E-09	1.22E-10	1.36E-08	2.97E-09	4.54E-09	3.02E-11	7.54E-09
5220	742300.11	4111884.52	3.50E-08	5.89E-08	6.49E-10	9.45E-08	5.43E-09	9.65E-09	9.73E-11	1.52E-08	5.28E-09	8.31E-09	1.24E-10	1.37E-08	3.00E-09	4.58E-09	3.05E-11	7.61E-09
5221	742276.39	4111889.15	3.52E-08	5.93E-08	6.53E-10	9.51E-08	5.46E-09	9.71E-09	9.80E-11	1.53E-08	5.31E-09	8.36E-09	1.24E-10	1.38E-08	3.02E-09	4.61E-09	3.07E-11	7.66E-09
5222	742252.66	4111893.77	3.54E-08	5.95E-08	6.56E-10	9.55E-08	5.49E-09	9.76E-09	9.84E-11	1.53E-08	5.33E-09	8.40E-09	1.25E-10	1.39E-08	3.03E-09	4.63E-09	3.08E-11	7.69E-09
5223	742228.94	4111898.39	3.55E-08	5.97E-08	6.58E-10	9.58E-08	5.50E-09	9.79E-09	9.87E-11	1.54E-08	5.35E-09	8.42E-09	1.25E-10	1.39E-08	3.04E-09	4.65E-09	3.09E-11	7.72E-09
5224	742205.21	4111903.02	3.56E-08	5.98E-08	6.60E-10	9.61E-08	5.52E-09	9.81E-09	9.89E-11	1.54E-08	5.36E-09	8.44E-09	1.26E-10	1.39E-08	3.05E-09	4.66E-09	3.10E-11	7.74E-09
5225	742181.49	4111907.64	3.56E-08	6.00E-08	6.61E-10	9.63E-08	5.53E-09	9.84E-09	9.92E-11	1.55E-08	5.38E-09	8.46E-09	1.26E-10	1.40E-08	3.05E-09	4.67E-09	3.11E-11	7.75E-09
5226	742157.76	4111912.27	3.58E-08	6.02E-08	6.63E-10	9.66E-08	5.55E-09	9.87E-09	9.95E-11	1.55E-08	5.39E-09	8.49E-09	1.26E-10	1.40E-08	3.06E-09	4.68E-09	3.12E-11	7.78E-09
5227	742134.04	4111916.89	3.59E-08	6.05E-08	6.66E-10	9.70E-08	5.57E-09	9.91E-09	1.00E-10	1.56E-08	5.42E-09	8.53E-09	1.27E-10	1.41E-08	3.08E-09	4.70E-09	3.13E-11	7.81E-09
5228	742110.31	4111921.51	3.61E-08	6.08E-08	6.70E-10	9.76E-08	5.60E-09	9.97E-09	1.01E-10	1.57E-08	5.45E-09	8.58E-09	1.28E-10	1.42E-08	3.10E-09	4.73E-09	3.15E-11	7.86E-09
5229	742086.59	4111926.14	3.64E-08	6.13E-08	6.75E-10	9.84E-08	5.65E-09	1.00E-08	1.01E-10	1.58E-08	5.49E-09	8.64E-09	1.29E-10	1.43E-08	3.12E-09	4.77E-09	3.17E-11	7.92E-09
5230	742062.86	4111930.76	3.68E-08	6.19E-08	6.82E-10	9.93E-08	5.70E-09	1.01E-08	1.02E-10	1.59E-08	5.54E-09	8.73E-09	1.30E-10	1.44E-08	3.15E-09	4.81E-09	3.20E-11	8.00E-09
5231	742039.14	4111935.38	3.72E-08	6.25E-08	6.89E-10	1.00E-07	5.76E-09	1.03E-08	1.03E-10	1.61E-08	5.60E-09	8.82E-09	1.31E-10	1.46E-08	3.18E-09	4.87E-09	3.24E-11	8.08E-09
5232	742015.41	4111940.01	3.76E-08	6.33E-08	6.98E-10	1.02E-07	5.83E-09	1.04E-08	1.05E-10	1.63E-08	5.67E-09	8.93E-09	1.33E-10	1.47E-08	3.22E-09	4.93E-09	3.28E-11	8.18E-09
5233	741991.69	4111944.63	3.81E-08	6.42E-08	7.07E-10	1.03E-07	5.91E-09	1.05E-08	1.06E-10	1.65E-08	5.75E-09	9.05E-09	1.35E-10	1.49E-08	3.27E-09	4.99E-09	3.32E-11	8.30E-09
5234	741967.97	4111949.25	3.87E-08	6.51E-08	7.18E-10	1.05E-07	6.00E-09	1.07E-08	1.08E-10	1.68E-08	5.84E-09	9.19E-09	1.37E-10	1.52E-08	3.32E-09	5.07E-09	3.37E-11	8.42E-09
5235	741944.24	4111953.88	3.93E-08	6.61E-08	7.28E-10	1.06E-07	6.09E-09	1.08E-08	1.09E-10	1.70E-08	5.92E-09	9.32E-09	1.39E-10	1.54E-08	3.36E-09	5.14E-09	3.42E-11	8.54E-09
5236	741920.52	4111958.5	3.98E-08	6.70E-08	7.39E-10	1.08E-07	6.18E-09	1.10E-08	1.11E-10	1.73E-08	6.01E-09	9.46E-09	1.41E-10	1.56E-08	3.41E-09	5.22E-09	3.47E-11	8.66E-09
5237	741896.79	4111963.13	4.04E-08	6.80E-08	7.49E-10	1.09E-07	6.26E-09	1.11E-08	1.12E-10	1.75E-08	6.09E-09	9.59E-09	1.43E-10	1.58E-08	3.46E-09	5.29E-09	3.52E-11	8.78E-09
5238	741873.07	4111967.75	4.09E-08	6.88E-08	7.59E-10	1.10E-07	6.34E-09	1.13E-08	1.14E-10	1.77E-08	6.17E-09	9.71E-09	1.44E-10	1.60E-08	3.50E-09	5.36E-09	3.56E-11	8.90E-09
5239	741849.34	4111972.37	4.14E-08	6.97E-08	7.68E-10	1.12E-07	6.42E-09	1.14E-08	1.15E-10	1.80E-08	6.24E-09	9.83E-09	1.46E-10	1.62E-08	3.55E-09	5.42E-09	3.61E-11	9.00E-09
5240	741825.62	4111977	4.18E-08	7.04E-08	7.76E-10	1.13E-07	6.49E-09	1.15E-08	1.16E-10	1.81E-08	6.31E-09	9.93E-09	1.48E-10	1.64E-08	3.58E-09	5.48E-09	3.64E-11	9.10E-09
5241	741801.89	4111981.62	4.22E-08	7.10E-08	7.83E-10	1.14E-07	6.55E-09	1.16E-08	1.17E-10	1.83E-08	6.37E-09	1.00E-08	1.49E-10	1.65E-08	3.62E-09	5.53E-09	3.68E-11	9.18E-09
5242	741778.17	4111986.24	4.26E-08	7.16E-08	7.89E-10	1.15E-07	6.60E-09	1.17E-08	1.18E-10	1.85E-08	6.42E-09	1.01E-08	1.50E-10	1.67E-08	3.65E-09	5.57E-09	3.71E-11	9.25E-09
5243	741754.44	4111990.87	4.29E-08	7.21E-08	7.95E-10	1.16E-07	6.65E-09	1.18E-08	1.19E-10	1.86E-08	6.46E-09	1.02E-08	1.51E-10	1.68E-08	3.67E-09	5.61E-09	3.73E-11	9.32E-09
5244	741730.72	4111995.49	4.31E-08	7.25E-08	8.00E-10	1.16E-07	6.68E-09	1.19E-08	1.20E-10	1.87E-08	6.50E-09	1.02E-08	1.52E-10	1.69E-08	3.69E-09	5.64E-09	3.76E-11	9.38E-09
5245	741706.99	4112000.11	4.34E-08	7.30E-08	8.04E-10	1.17E-07	6.72E-09	1.20E-08	1.21E-10	1.88E-08	6.54E-09	1.03E-08	1.53E-10	1.70E-08	3.71E-09	5.68E-09	3.78E-11	9.43E-09
5246	741683.27	4112004.74	4.36E-08	7.33E-08	8.08E-10	1.18E-07	6.76E-09	1.20E-08	1.21E-10	1.89E-08	6.57E-09	1.03E-08	1.54E-10	1.71E-08	3.73E-09	5.71E-09	3.80E-11	9.48E-09
5247	741659.54	4112009.36	4.37E-08	7.36E-08	8.11E-10	1.18E-07	6.78E-09	1.21E-08	1.22E-10	1.90E-08	6.60E-09	1.04E-08	1.55E-10	1.71E-08	3.75E-09	5.73E-09	3.81E-11	9.51E-09
5248	741635.82	4112013.99	4.38E-08	7.38E-08	8.13E-10	1.18E-07	6.80E-09	1.21E-08	1.22E-10	1.90E-08	6.61E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.74E-09	3.82E-11	9.54E-09
5249	741612.1	4112018.61	4.39E-08	7.39E-08	8.14E-10	1.19E-07	6.81E-09	1.21E-08	1.22E-10	1.90E-08	6.62E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.75E-09	3.83E-11	9.55E-09
5250	741588.37	4112023.23	4.39E-08	7.39E-08	8.14E-10	1.19E-07	6.81E-09	1.21E-08	1.22E-10	1.90E-08	6.62E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.75E-09	3.82E-11	9.55E-09
5251	741564.65	4112027.86	4.39E-08	7.39E-08	8.15E-10	1.19E-07	6.81E-09	1.21E-08	1.22E-10	1.90E-08	6.62E-09	1.04E-08	1.55E-10	1.72E-08	3.76E-09	5.75E-09	3.83E-11	9.55E-09
5252	741521.03	4112018.74	4.44E-08	7.46E-08	8.23E-10	1.20E-07	6.88E-09	1.22E-08	1.23E-10	1.92E-08	6.69E-09	1.05E-08	1.57E-10	1.74E-08	3.80E-09	5.81E-09	3.86E-11	9.65E-09
5253	741501.14	4112005.01	4.48E-08	7.54E-08	8.31E-10	1.21E-07	6.95E-09	1.24E-08	1.25E-10	1.94E-08	6.76E-09	1.06E-08	1.58E-10	1.76E-08	3.84E-09	5.87E-09	3.90E-11	9.75E-09
5254	741481.26	4111991.27	4.52E-08	7.61E-08	8.39E-10	1.22E-07	7.02E-09	1.25E-08	1.26E-10	1.96E-08	6.82E-09	1.07E-08	1.60E-10	1.77E-08	3.88E-09	5.92E-09	3.94E-11	9.84E-09
5255	741461.37	4111977.53	4.57E-08	7.69E-08	8.47E-10	1.23E-07	7.08E-09	1.26E-08	1.27E-10	1.98E-08	6.89E-09	1.08E-08	1.61E-10	1.79E-08	3.91E-09	5.98E-09	3.98E-11	9.93E-09
5256	741441.48	4111963.8	4.61E-08	7.76E-08	8.55E-10	1.25E-07	7.15E-09	1.27E-08	1.28E-10	2.00E-08	6.95E-09	1.09E-08	1.63E-10	1.81E-08	3.95E-09	6.04E-09	4.02E-11	1.00E-08
5257	741421.59	4111950.06	4.65E-08	7.83E-08	8.63E-10	1.26E-07	7.21E-09	1.28E-08	1.29E-10	2.02E-08	7.02E-09	1.10E-08	1.64E-10	1.82E-08	3.99E-09	6.09E-09	4.05E-11	1.01E-08
5258	741401.7	4111936.32	4.70E-08	7.90E-08	8.71E-10	1.27E-07	7.28E-09	1.30E-08	1.31E-10	2.04E-08	7.08E-09	1.11E-08	1.66E-10	1.84E-08	4.02E-09	6.15E-09	4.09E-11	1.02E-08
5259	741381.82	4111922.58	4.74E-08	7.98E-08	8.79E-10	1.28E-07	7.35E-09	1.31E-08	1.32E-10	2.06E-08	7.15E-09	1.13E-08	1.67E-10	1.86E-08	4.06E-09	6.21E-09	4.13E-11	1.03E-08
5260	741361.93	4111908.85	4.79E-08	8.05E-08	8.88E-10	1.29E-07	7.42E-09	1.32E-08	1.33E-10	2.08E-08	7.22E-09	1.14E-08	1.69E-10	1.87E-08	4.10E-09	6.27E-09	4.17E-11	1.04E-08
5261	741342.04	4111895.11	4.83E-08	8.12E-08	8.95E-10	1.30E-07	7.49E-09	1.33E-08	1.34E-10	2.09E-08	7.28E-09	1.15E-08	1.71E-10	1.89E-08	4.14E-09	6.32E-09	4.21E-11	1.05E-08
5262	741322.15	4111881.37	4.87E-08	8.19E-08	9.02E-10	1.31E-07	7.54E-09	1.34E-08	1.35E-10	2.11E-08	7.34E-09	1.16E-08	1.72E-10	1.91E-08	4.17E-09	6.37E-09	4.24E-11	1.06E-08
5263	741302.26	4111867.64	4.90E-08	8.24E-08	9.08E-10	1.32E-07	7.59E-09	1.35E-08	1.36E-10	2.12E-08	7.38E-09	1.16E-08	1.73E-10	1.92E-08	4.20E-09	6.41E-09	4.27E-11	1.06E-08
5264	741282.38	4111853.9	4.92E-08	8.28E-08	9.12E-10	1.33E-07	7.63E-09	1.36E-08	1.37E-10	2.13E-08	7.42E-09	1.17E-08	1.74E-10	1.93E-08	4.21E-09	6.44E-09	4.28E-11	1.07E-08
5265	741262.49	4111840.16	4.93E-08	8.29E-08	9.14E-10	1.33E-07	7.64E-09	1.36E-08	1.37E-10	2.14E-08	7.43E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.45E-09	4.29E-11	1.07E-08
5266	741242.6	4111826.43	4.93E-08	8.29E-08	9.14E-10	1.33E-07	7.64E-09	1.36E-08	1.37E-10	2.14E-08	7.43E-09	1.17E-08	1.74E-10	1.93E-08	4.22E-09	6.45E-09	4.29E-11	1.07E-08
5267	741222.71	4111812.69	4.92E-08	8.28E-08	9.12E-10	1.33E-07	7.63E-09	1.36E-08	1.37E-10	2.13E-08	7.42E-09	1.17E-08	1.74E-10	1.93E-08	4.21E-09	6.44E-09	4.28E-11	1.07E-08
5268	741202.82	4111798.95	4.90E-08	8.24E-08	9.08E-10	1.32E-07	7.59E-09	1.35E-08	1.36E-10	2.12E-08	7.38E-09	1.16E-08	1.73E-10	1.92E-08	4.20E-09	6.41E-09	4.27E-11	1.07E-08
5269	741182.94	4111785.21	4.87E-08	8.19E-08	9.03E-10	1.31E-07	7.55E-09	1.34E-08	1.35E-10	2.11E-08	7.34E-09	1.16E-08	1.72E-10	1.91E-08	4.17E-09	6.37E-09	4.24E-11	1.06E-08
5270	741163.05	4111771.48	4.83E-08	8.13E-08	8.96E-10	1.30E-07	7.49E-09	1.33E-08	1.34E-10	2.09E-08	7.28E-09	1.15E-08	1.71E-10	1.89E-08	4.14E-09	6.32E-09	4.21E-11	1.05E-08
5271	741143.16	4111757.74	4.79E-08	8.06E-08	8.88E-10	1.29E-07	7.43E-09	1.32E-08	1.33E-10	2.08E-08	7.22E-09	1.14E-08	1.69E-10	1.88E-08	4.10E-09	6.27E-09	4.17E-11	1.04E-08
5272	741123.27	4111744	4.75E-08	8.00E-08	8.81E-10	1.28E-07	7.37E-09	1.31E-08	1.32E-10	2.06E-08	7.17E-09	1.13E-08	1.68E-10	1.86E-08	4.07E-09	6.22E-09	4.14E-11	1.03E-08
5273	741103.38	4111730.27	4.72E-08	7.94E-08	8.75E-10	1.27E-07	7.32E-09	1.30E-08	1.31E-10	2.05E-08	7.12E-09	1.12E-08	1.67E-10	1.85E-08	4.04E-09	6.18E-09	4.11E-11	1.03E-08
5274	741083.5	4111716.53	4.70E-08	7.91E-08	8.72E-10	1.27E-07	7.29E-09	1.30E-08	1.31E-10	2.04E-08	7.09E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.16E-09	4.10E-11	1.02E-08
5275	741063.61	4111702.79	4.71E-08	7.92E-08	8.73E-10	1.27E-07	7.30E-09	1.30E-08	1.31E-10	2.04E-08	7.10E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.16E-09	4.10E-11	1.02E-08
5276	741043.72	4111689.06	4.73E-08	7.96E-08	8.77E-10	1.28E-07	7.34E-09	1.31E-08	1.32E-10	2.05E-08	7.13E-09	1.12E-08	1.67E-10	1.85E-08	4.05E-09	6.19E-09	4.12E-11	1.03E-08

5277	741023.83	4111675.32	4.78E-08	8.05E-08	8.87E-10	1.29E-07	7.41E-09	1.32E-08	1.33E-10	2.07E-08	7.21E-09	1.14E-08	1.69E-10	1.87E-08	4.10E-09	6.26E-09	4.17E-11	1.04E-08
5278	741003.94	4111661.58	4.86E-08	8.17E-08	9.01E-10	1.31E-07	7.53E-09	1.34E-08	1.35E-10	2.11E-08	7.33E-09	1.15E-08	1.72E-10	1.90E-08	4.16E-09	6.36E-09	4.23E-11	1.06E-08
5279	740984.05	4111647.85	4.96E-08	8.34E-08	9.20E-10	1.34E-07	7.69E-09	1.37E-08	1.38E-10	2.15E-08	7.48E-09	1.18E-08	1.75E-10	1.94E-08	4.25E-09	6.49E-09	4.32E-11	1.08E-08
5280	740964.17	4111634.11	5.08E-08	8.55E-08	9.42E-10	1.37E-07	7.88E-09	1.40E-08	1.41E-10	2.20E-08	7.66E-09	1.21E-08	1.79E-10	1.99E-08	4.35E-09	6.65E-09	4.42E-11	1.10E-08
5281	740944.28	4111620.37	5.21E-08	8.77E-08	9.67E-10	1.41E-07	8.08E-09	1.44E-08	1.45E-10	2.26E-08	7.86E-09	1.24E-08	1.84E-10	2.04E-08	4.47E-09	6.83E-09	4.54E-11	1.13E-08
5282	740924.39	4111606.63	5.36E-08	9.01E-08	9.93E-10	1.45E-07	8.30E-09	1.48E-08	1.49E-10	2.32E-08	8.08E-09	1.27E-08	1.89E-10	2.10E-08	4.59E-09	7.01E-09	4.67E-11	1.16E-08
5283	740904.5	4111592.9	5.49E-08	9.25E-08	1.02E-09	1.48E-07	8.52E-09	1.52E-08	1.53E-10	2.38E-08	8.29E-09	1.30E-08	1.94E-10	2.15E-08	4.71E-09	7.20E-09	4.79E-11	1.20E-08
5284	740884.61	4111579.16	5.63E-08	9.47E-08	1.04E-09	1.52E-07	8.73E-09	1.55E-08	1.57E-10	2.44E-08	8.49E-09	1.34E-08	1.99E-10	2.20E-08	4.82E-09	7.37E-09	4.90E-11	1.22E-08
5285	740864.73	4111565.42	5.74E-08	9.67E-08	1.07E-09	1.55E-07	8.91E-09	1.58E-08	1.60E-10	2.49E-08	8.66E-09	1.36E-08	2.03E-10	2.25E-08	4.92E-09	7.52E-09	5.00E-11	1.25E-08
5286	740844.84	4111551.69	5.84E-08	9.83E-08	1.08E-09	1.58E-07	9.06E-09	1.61E-08	1.63E-10	2.53E-08	8.81E-09	1.39E-08	2.06E-10	2.29E-08	5.00E-09	7.65E-09	5.09E-11	1.27E-08
5287	740824.95	4111537.95	5.92E-08	9.96E-08	1.10E-09	1.60E-07	9.18E-09	1.63E-08	1.65E-10	2.57E-08	8.93E-09	1.41E-08	2.09E-10	2.32E-08	5.07E-09	7.75E-09	5.16E-11	1.29E-08
5288	740805.06	4111524.21	5.98E-08	1.01E-07	1.11E-09	1.62E-07	9.28E-09	1.65E-08	1.66E-10	2.60E-08	9.02E-09	1.42E-08	2.11E-10	2.34E-08	5.13E-09	7.83E-09	5.21E-11	1.30E-08
5289	740785.17	4111510.48	6.03E-08	1.02E-07	1.12E-09	1.63E-07	9.35E-09	1.66E-08	1.68E-10	2.62E-08	9.10E-09	1.43E-08	2.13E-10	2.36E-08	5.17E-09	7.90E-09	5.25E-11	1.31E-08
5290	740765.29	4111496.74	6.07E-08	1.02E-07	1.13E-09	1.64E-07	9.42E-09	1.68E-08	1.69E-10	2.63E-08	9.16E-09	1.44E-08	2.14E-10	2.38E-08	5.20E-09	7.95E-09	5.29E-11	1.32E-08
5291	740745.4	4111483	6.11E-08	1.03E-07	1.13E-09	1.65E-07	9.48E-09	1.69E-08	1.70E-10	2.65E-08	9.22E-09	1.45E-08	2.16E-10	2.39E-08	5.24E-09	8.00E-09	5.33E-11	1.33E-08
5292	740725.51	4111469.27	6.16E-08	1.04E-07	1.14E-09	1.66E-07	9.55E-09	1.70E-08	1.71E-10	2.67E-08	9.29E-09	1.46E-08	2.18E-10	2.41E-08	5.28E-09	8.07E-09	5.37E-11	1.34E-08
5293	740705.62	4111455.53	6.22E-08	1.05E-07	1.15E-09	1.68E-07	9.65E-09	1.72E-08	1.73E-10	2.70E-08	9.38E-09	1.48E-08	2.20E-10	2.44E-08	5.33E-09	8.15E-09	5.42E-11	1.35E-08
5294	740685.73	4111441.79	6.30E-08	1.06E-07	1.17E-09	1.70E-07	9.77E-09	1.74E-08	1.75E-10	2.73E-08	9.50E-09	1.50E-08	2.23E-10	2.47E-08	5.40E-09	8.25E-09	5.49E-11	1.37E-08
5295	740665.85	4111428.05	6.40E-08	1.08E-07	1.19E-09	1.73E-07	9.92E-09	1.76E-08	1.78E-10	2.77E-08	9.65E-09	1.52E-08	2.26E-10	2.51E-08	5.48E-09	8.38E-09	5.57E-11	1.39E-08
5296	740645.96	4111414.32	6.51E-08	1.10E-07	1.21E-09	1.76E-07	1.01E-08	1.80E-08	1.81E-10	2.83E-08	9.82E-09	1.55E-08	2.30E-10	2.55E-08	5.58E-09	8.53E-09	5.68E-11	1.42E-08
5297	740626.07	4111400.58	6.65E-08	1.12E-07	1.23E-09	1.80E-07	1.03E-08	1.83E-08	1.85E-10	2.88E-08	1.00E-08	1.58E-08	2.35E-10	2.61E-08	5.70E-09	8.71E-09	5.79E-11	1.45E-08
5298	740606.18	4111386.84	6.80E-08	1.14E-07	1.26E-09	1.84E-07	1.05E-08	1.88E-08	1.89E-10	2.95E-08	1.03E-08	1.61E-08	2.40E-10	2.66E-08	5.83E-09	8.90E-09	5.92E-11	1.48E-08
5299	740586.29	4111373.11	6.96E-08	1.17E-07	1.29E-09	1.88E-07	1.08E-08	1.92E-08	1.94E-10	3.02E-08	1.05E-08	1.65E-08	2.46E-10	2.72E-08	5.96E-09	9.11E-09	6.06E-11	1.51E-08
5300	740566.41	4111359.37	7.11E-08	1.20E-07	1.32E-09	1.92E-07	1.10E-08	1.96E-08	1.98E-10	3.08E-08	1.07E-08	1.69E-08	2.51E-10	2.79E-08	6.09E-09	9.31E-09	6.20E-11	1.55E-08
5301	740546.52	4111345.63	7.26E-08	1.22E-07	1.35E-09	1.96E-07	1.13E-08	2.00E-08	2.02E-10	3.15E-08	1.09E-08	1.72E-08	2.56E-10	2.84E-08	6.22E-09	9.51E-09	6.33E-11	1.58E-08
5302	740526.63	4111331.9	7.40E-08	1.25E-07	1.37E-09	2.00E-07	1.15E-08	2.04E-08	2.06E-10	3.21E-08	1.12E-08	1.76E-08	2.61E-10	2.90E-08	6.34E-09	9.69E-09	6.45E-11	1.61E-08
5303	740506.74	4111318.16	7.53E-08	1.27E-07	1.40E-09	2.03E-07	1.17E-08	2.08E-08	2.09E-10	3.27E-08	1.14E-08	1.79E-08	2.66E-10	2.95E-08	6.45E-09	9.86E-09	6.56E-11	1.64E-08
5304	740486.85	4111304.42	7.64E-08	1.29E-07	1.42E-09	2.06E-07	1.18E-08	2.11E-08	2.13E-10	3.31E-08	1.15E-08	1.81E-08	2.70E-10	2.99E-08	6.55E-09	1.00E-08	6.66E-11	1.66E-08
5305	740466.96	4111290.68	7.73E-08	1.30E-07	1.43E-09	2.09E-07	1.20E-08	2.13E-08	2.15E-10	3.35E-08	1.17E-08	1.83E-08	2.73E-10	3.03E-08	6.62E-09	1.01E-08	6.73E-11	1.68E-08
5306	740447.08	4111276.95	7.80E-08	1.31E-07	1.45E-09	2.11E-07	1.21E-08	2.15E-08	2.17E-10	3.38E-08	1.18E-08	1.85E-08	2.75E-10	3.05E-08	6.68E-09	1.02E-08	6.79E-11	1.70E-08
5307	740427.19	4111263.21	7.85E-08	1.32E-07	1.46E-09	2.12E-07	1.22E-08	2.17E-08	2.18E-10	3.41E-08	1.18E-08	1.86E-08	2.77E-10	3.08E-08	6.73E-09	1.03E-08	6.84E-11	1.71E-08
5308	740407.3	4111249.47	7.89E-08	1.33E-07	1.46E-09	2.13E-07	1.22E-08	2.18E-08	2.19E-10	3.42E-08	1.19E-08	1.87E-08	2.79E-10	3.09E-08	6.76E-09	1.03E-08	6.87E-11	1.72E-08
5309	740387.41	4111235.74	7.90E-08	1.33E-07	1.47E-09	2.13E-07	1.23E-08	2.18E-08	2.20E-10	3.43E-08	1.19E-08	1.88E-08	2.79E-10	3.09E-08	6.77E-09	1.03E-08	6.88E-11	1.72E-08
5310	740367.52	4111222	7.90E-08	1.33E-07	1.47E-09	2.13E-07	1.23E-08	2.18E-08	2.20E-10	3.43E-08	1.19E-08	1.88E-08	2.79E-10	3.09E-08	6.77E-09	1.03E-08	6.88E-11	1.72E-08
5311	740347.64	4111208.26	7.88E-08	1.33E-07	1.46E-09	2.13E-07	1.22E-08	2.17E-08	2.19E-10	3.42E-08	1.19E-08	1.87E-08	2.78E-10	3.09E-08	6.75E-09	1.03E-08	6.87E-11	1.71E-08
5312	742988.13	4111750.44	2.21E-08	3.72E-08	4.10E-10	5.98E-08	3.43E-09	6.11E-09	6.16E-11	9.60E-09	3.34E-09	5.25E-09	7.82E-11	8.67E-09	1.90E-09	2.90E-09	1.93E-11	4.81E-09
5313	743008.24	4111736.95	2.20E-08	3.69E-08	4.07E-10	5.93E-08	3.40E-09	6.06E-09	6.11E-11	9.52E-09	3.31E-09	5.21E-09	7.75E-11	8.60E-09	1.88E-09	2.87E-09	1.91E-11	4.77E-09
5314	743028.35	4111723.45	2.18E-08	3.66E-08	4.03E-10	5.88E-08	3.37E-09	6.00E-09	6.05E-11	9.43E-09	3.28E-09	5.16E-09	7.68E-11	8.52E-09	1.86E-09	2.85E-09	1.89E-11	4.73E-09
5315	743048.46	4111709.96	2.15E-08	3.62E-08	3.99E-10	5.81E-08	3.34E-09	5.94E-09	5.99E-11	9.34E-09	3.25E-09	5.11E-09	7.60E-11	8.43E-09	1.84E-09	2.82E-09	1.88E-11	4.68E-09
5316	743068.57	4111696.47	2.13E-08	3.58E-08	3.95E-10	5.75E-08	3.30E-09	5.88E-09	5.93E-11	9.24E-09	3.21E-09	5.06E-09	7.52E-11	8.34E-09	1.82E-09	2.79E-09	1.86E-11	4.63E-09
5317	743088.68	4111682.98	2.11E-08	3.55E-08	3.92E-10	5.71E-08	3.28E-09	5.83E-09	5.88E-11	9.16E-09	3.18E-09	5.01E-09	7.46E-11	8.27E-09	1.81E-09	2.77E-09	1.84E-11	4.59E-09
5318	743108.79	4111669.48	2.10E-08	3.53E-08	3.89E-10	5.67E-08	3.26E-09	5.79E-09	5.84E-11	9.11E-09	3.17E-09	4.98E-09	7.42E-11	8.22E-09	1.80E-09	2.75E-09	1.83E-11	4.57E-09
5319	743128.9	4111655.99	2.10E-08	3.53E-08	3.89E-10	5.66E-08	3.25E-09	5.78E-09	5.83E-11	9.09E-09	3.16E-09	4.98E-09	7.40E-11	8.21E-09	1.80E-09	2.74E-09	1.83E-11	4.56E-09
5320	743149.01	4111642.5	2.11E-08	3.54E-08	3.90E-10	5.69E-08	3.26E-09	5.81E-09	5.86E-11	9.13E-09	3.17E-09	5.00E-09	7.44E-11	8.25E-09	1.80E-09	2.76E-09	1.83E-11	4.58E-09
5321	743169.12	4111629.01	2.13E-08	3.58E-08	3.95E-10	5.75E-08	3.30E-09	5.87E-09	5.92E-11	9.23E-09	3.21E-09	5.05E-09	7.52E-11	8.34E-09	1.82E-09	2.79E-09	1.85E-11	4.63E-09
5322	743189.23	4111615.51	2.17E-08	3.65E-08	4.02E-10	5.86E-08	3.36E-09	5.98E-09	6.04E-11	9.41E-09	3.27E-09	5.15E-09	7.66E-11	8.50E-09	1.86E-09	2.84E-09	1.89E-11	4.72E-09
5323	743209.34	4111602.02	2.23E-08	3.75E-08	4.13E-10	6.01E-08	3.45E-09	6.14E-09	6.19E-11	9.65E-09	3.36E-09	5.28E-09	7.86E-11	8.72E-09	1.91E-09	2.91E-09	1.94E-11	4.84E-09
5324	743229.45	4111588.53	2.30E-08	3.87E-08	4.27E-10	6.21E-08	3.57E-09	6.34E-09	6.40E-11	9.97E-09	3.47E-09	5.46E-09	8.12E-11	9.01E-09	1.97E-09	3.01E-09	2.00E-11	5.00E-09
5325	743249.56	4111575.04	2.39E-08	4.02E-08	4.43E-10	6.45E-08	3.70E-09	6.59E-09	6.64E-11	1.04E-08	3.60E-09	5.67E-09	8.43E-11	9.35E-09	2.05E-09	3.13E-09	2.08E-11	5.19E-09
5326	743187.31	4112087.22	1.74E-08	2.92E-08	3.22E-10	4.69E-08	2.69E-09	4.79E-09	4.83E-11	7.54E-09	2.62E-09	4.12E-09	6.14E-11	6.81E-09	1.49E-09	2.27E-09	1.51E-11	3.78E-09
5327	743163.64	4112091.83	1.76E-08	2.95E-08	3.26E-10	4.74E-08	2.72E-09	4.84E-09	4.88E-11	7.61E-09	2.65E-09	4.17E-09	6.20E-11	6.88E-09	1.50E-09	2.30E-09	1.53E-11	3.82E-09
5328	743139.96	4112096.44	1.77E-08	2.98E-08	3.28E-10	4.78E-08	2.74E-09	4.88E-09	4.92E-11	7.67E-09	2.67E-09	4.20E-09	6.25E-11	6.93E-09	1.52E-09	2.32E-09	1.54E-11	3.85E-09
5329	743116.29	4112101.06	1.78E-08	2.99E-08	3.30E-10	4.81E-08	2.76E-09	4.91E-09	4.95E-11	7.72E-09	2.68E-09	4.22E-09	6.29E-11	6.97E-09	1.52E-09	2.33E-09	1.55E-11	3.87E-09
5330	743092.62	4112105.67	1.79E-08	3.01E-08	3.31E-10	4.83E-08	2.77E-09	4.93E-09	4.97E-11	7.75E-09	2.69E-09	4.24E-09	6.31E-11	7.00E-09	1.53E-09	2.34E-09	1.56E-11	3.89E-09
5331	743068.94	4112110.29	1.79E-08	3.01E-08	3.32E-10	4.84E-08	2.78E-09	4.94E-09	4.98E-11	7.77E-09	2.70E-09	4.25E-09	6.32E-11	7.01E-09	1.53E-09	2.34E-09	1.56E-11	3.89E-09
5332	743045.27	4112114.9	1.79E-08	3.01E-08	3.32E-10	4.84E-08	2.78E-09	4.94E-09	4.98E-11	7.77E-09	2.70E-09	4.25E-09	6.33E-11	7.02E-09	1.53E-09	2.35E-09	1.56E-11	3.90E-09
5333	743021.59	4112119.51	1.79E-08	3.01E-08	3.32E-10	4.84E-08	2.78E-09	4.94E-09	4.98E-11	7.77E-09	2.70E-09	4.25E-09	6.32E-11	7.01E-09	1.53E-09	2.34E-09	1.56E-11	3.89E-09
5334	742997.92	4112124.13	1.79E-08	3.01E-08	3.32E-10	4.83E-08	2.77E-09	4.93E-09	4.97E-11	7.76E-09	2.70E-09	4.24E-09	6.32E-11	7.00E-09	1.53E-09	2.34E-09	1.56E-11	3.89E-09
5335	742974.25	4112128.74	1.79E-08	3.01E-08	3.31E-10	4.83E-08	2.77E-09	4.93E-09	4.97E-11	7.75E-09	2.69E-09	4.24E-09	6.31E-11	7.00E-09	1.53E-09	2.34E-09	1.56E-11	3.88E-09
5336	742950.57	4112133.35	1.79E-08	3.01E-08	3.31E-10	4.83E-08	2.77E-09	4.93E-09	4.97E-11	7.75E-09	2.69E-09	4.24E-09	6.31E-11	7.00E-09	1.53E-09	2.34E-09	1.56E-11	3.88E-09
5337	742926.9	4112137.97	1.79E-08	3.01E-08	3.32E-10	4.83E-08	2.77E-09	4.94E-09	4.98E-11	7.76E-09	2.70E-09	4.25E-09	6.32E-11	7.01E-09	1.53E-09	2.34E-09	1.56E-11	3.89E-09
5338	742903.22	4112142.58	1.79E-08	3.02E-08	3.33E-10	4.85E-08	2.78E-09	4.95E-09	4.99E-11	7.78E-09	2.71E-09	4.26E-09	6.34E-11	7.03E-09	1.54E-09	2.35E-09	1.56E-11	3.90E-09
5339	742879.55	4112147.2	1.81E-08	3.04E-08	3.35E-10	4.88E-08	2.80E-09	4.98E-09	5.02E-11	7.83E-09	2.72E-09	4.29E-09	6.38E-11	7.07E-09	1.55E-09	2.36E-09	1.57E-11	3.93E-09
5340	742855.87	4112151.81	1.82E-08	3.07E-08	3.38E-10	4.92E-08	2.83E-09	5.03E-09	5.07E-11	7.90E-09	2.75E-09	4.33E-09	6.44E-11	7.14E-09	1.56E-09	2.39E-09	1.59E-11	3.96E-09
5341	742832.2	4112156.42	1.85E-08	3.11E-08	3.42E-10	4.99E-08	2.86E-09	5.09E-09	5.14E-11	8.01E-09	2.78E-09	4.38E-09	6.52E-11	7.23E-09	1.58E-09	2.42E-09	1.61E-11	4.01E-09
5342	742808.53	4112161.04	1.87E-08	3.15E-08	3.48E-10	5.06E-08	2.91E-09	5.17E-09	5.21E-11	8.13E-09	2.83E-09	4.45E-09	6.62E-11	7.34E-09	1.61E-09	2.45E-09	1.63E-11	4.08E-09
5343	742784.85	4112165.65	1.91E-08	3.21E-08	3.54E-10	5.15E-08	2.96E-09	5.26E-09	5.31E-11	8.28E-09	2.88E-09	4.53E-09	6.74E-11	7.48E-09	1.64E-09	2.50E-09	1.66E-11	4.15E-09
5344	742761.18	4112170.27	1.95E-08	3.28E-08	3.61E-10	5.26E-08	3.02E-09	5.37E-09	5.42E-11	8.45E-09	2.94E-09	4.62E-09	6.88E-11	7.63E-09	1.67E-09	2.55E-09	1.70E-11	4.23E-09
5345	742737.5	4112174.88	1.99E-08	3.35E-08	3.69E-10	5.38E-08	3.09E-09	5.49E-09	5.54E-11	8.64E-09	3.00E-09	4.73E-09	7.04E-11	7.80E-09	1.71E-09	2.61E-09	1.74E-11	4.33E-09
5346	742713.83	4112179.49	2.04E-08	3.43E-08	3.78E-10	5.51E-08	3.16E-09	5.63E-09	5.67E-11	8.85E-09	3.08E-09	4.84E-09	7.20E-11	7.99E-09	1.75E-09	2.67E-09	1.78E-11	4.44E-09
5347	742690.16	4112184.11	2.09E-08	3.52E-08	3.88E-10	5.65E-08	3.24E-09	5.77E-09	5.82E-11	9.07E-09	3.15E-09	4.97E-09	7.39E-11	8.19E-09	1.79E-09	2.74E-09	1.82E-11	4.55E-09
5348	742666.48	4112188.72	2.15E-08	3.62E-08	3.98E-10	5.80E-08	3.33E-09	5.93E-09	5.98E-11	9.32E-09	3.24E-09	5.10E-09	7.59E-11	8.42E-09	1.84E-09	2.81E-09	1.87E-11	4.67E-09
5349	742642.81	4112193.33	2.21E-08	3.72E-08	4.10E-10	5.96E-08	3.42E-09	6.09E-09	6.14E-11	9.58E-09	3.33E-09	5.24E-09	7.80E-11	8.65E-09	1.89E-09	2.89E-09	1.92E-11	4.80E-09
5350	742619.13	4112197.95	2.27E-08	3.82E-08	4.21E-10	6.13E-08	3.52E-09	6.26E-09	6.31E-11	9.84E-09	3.42E-09	5.38E-09	8.01E-11	8.88E-09	1.94E-09	2.97E-09	1.98E-11	4.93E-09
5351	742595.46	4112202.56	2.33E-08	3.92E-08	4.32E-10	6.29E-08	3.61E-09	6.43E-09	6.48E-11	1.01E-08	3.51E-09	5.53E-09	8.23E-11	9.12E-09	2.00E-09	3.05E-09	2.03E-11	5.07E-09
5352	742571.79	4112207.18	2.39E-08	4.02E-08	4.43E-10	6.46E-08	3.71E-09	6.60E-09	6.65E-11	1.04E-08	3.60E-09	5.68E-09	8.44E-11	9.36E-09	2.05E-09	3.13E-09	2.08E-11	5.20E-09
5353	742548.11	4112211.79	2.45E-08	4.12E-08	4.55E-10	6.62E-08	3.80E-09	6.76E-09	6.82E-11	1.06E-08	3.69E-09	5.82E-09	8.66E-11	9.60E-09	2.10E-09	3.21E-09	2.13E-11	5.33E-09
5354	742524.44	4112216.4	2.51E-08	4.22E-08	4.65E-10	6.78E-08	3.89E-09	6.92E-09	6.98E-11	1.09E-08	3.78E-09	5.96E-09	8.86E-11	9.83E-09	2.15E-09	3.28E-09	2.19E-11	5.46E-09
5355	742500.76	4112221.02	2.56E-08	4.31E-08	4.75E-10	6.92E-08	3.97E-09	7.07E-09	7.13E-11	1.11E-08	3.86E-09	6.08E-09	9.05E-11	1.00E-08	2.19E-09	3.35E-09	2.23E-11	5.57E-09
5356	742477.09	4112225.63	2.61E-08	4.39E-08	4.84E-10	7.05E-08	4.05E-09	7.20E-09	7.26E-11	1.13E-08	3.93E-09	6.19E-09	9.21E-11	1.02E-08	2.24E-09	3.42E-09	2.27E-11	5.67E-09
5357	742453.42	4112230.24	2.65E-08	4.46E-08	4.92E-10	7.16E-08	4.11E-09	7.31E-09	7.37E-11	1.15E-08	4.00E-09	6.29E-09	9.36E-11	1.04E-08	2.27E-09	3.47E-09	2.31E-11	5.76E-09
5358	742429.74	4112234.86	2.69E-08	4.52E-08	4.98E-10	7.25E-08	4.16E-09	7.41E-09	7.47E-11	1.16E-08	4.05E-09	6.37E-09	9.49E-11	1.05E-08	2.30E-09	3.52E-09	2.34E-11	5.84E-09
5359	742406.07	4112239.47	2.71E-08	4.56E-08	5.03E-10	7.33E-08	4.21E-09	7.48E-09	7.55E-11	1.18E-08	4.09E-09	6.44E-09	9.58E-11	1.06E-08	2.32E-09	3.55E-09	2.36E-11	5.90E-09
5360	742382.39	4112244.09	2.73E-08	4.60E-08	5.06E-10	7.38E-08	4.23E-09	7.53E-09	7.60E-11	1.18E-08	4.12E-09	6.48E-09	9.65E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.94E-09
5361	742358.72	4112248.7	2.74E-08	4.62E-08	5.09E-10	7.41E-08	4.26E-09	7.57E-09	7.63E-11	1.19E-08	4.14E-09	6.51E-09	9.69E-11	1.07E-08	2.35E-09	3.59E-09	2.39E-11	5.97E-09
5362	742335.05	4112253.31	2.75E-08	4.63E-08	5.10E-10	7.43E-08	4.27E-09	7.59E-09	7.66E-11	1.19E-08	4.15E-09	6.53E-09	9.72E-11	1.08E-08	2.36E-09	3.60E-09	2.40E-11	5.98E-09
5363	742311.37	4112257.93	2.76E-08	4.64E-08	5.11E-10	7.44E-08	4.27E-09	7.60E-09	7.67E-11	1.20E-08	4.15E-09	6.54E-09	9.73E-11	1.08E-08	2.36E-09	3.61E-09	2.40E-11	5.99E-09
5364	742287.7	4112262.54	2.75E-08	4.63E-08	5.11E-10	7.44E-08	4.27E-09	7.60E-09	7.66E-11	1.19E-08	4.15E-09	6.54E-09	9.73E-11	1.08E-08	2.36E-09	3.61E-09	2.40E-11	5.99E-09

5365	742264.02	4112267.15	2.75E-08	4.63E-08	5.11E-10	7.44E-08	4.27E-09	7.59E-09	7.66E-11	1.19E-08	4.15E-09	6.53E-09	9.72E-11	1.08E-08	2.36E-09	3.60E-09	2.40E-11	5.99E-09
5366	742240.35	4112271.77	2.75E-08	4.63E-08	5.10E-10	7.43E-08	4.26E-09	7.59E-09	7.65E-11	1.19E-08	4.15E-09	6.53E-09	9.71E-11	1.08E-08	2.36E-09	3.60E-09	2.40E-11	5.98E-09
5367	742216.67	4112276.38	2.75E-08	4.62E-08	5.10E-10	7.42E-08	4.26E-09	7.58E-09	7.65E-11	1.19E-08	4.14E-09	6.52E-09	9.71E-11	1.08E-08	2.35E-09	3.60E-09	2.39E-11	5.98E-09
5368	742193	4112281	2.75E-08	4.62E-08	5.10E-10	7.42E-08	4.26E-09	7.58E-09	7.65E-11	1.19E-08	4.14E-09	6.52E-09	9.71E-11	1.08E-08	2.35E-09	3.60E-09	2.39E-11	5.98E-09
5369	742169.33	4112285.61	2.76E-08	4.64E-08	5.11E-10	7.44E-08	4.27E-09	7.60E-09	7.67E-11	1.20E-08	4.15E-09	6.54E-09	9.73E-11	1.08E-08	2.36E-09	3.61E-09	2.40E-11	5.99E-09
5370	742145.65	4112290.22	2.77E-08	4.66E-08	5.13E-10	7.47E-08	4.29E-09	7.63E-09	7.70E-11	1.20E-08	4.17E-09	6.57E-09	9.77E-11	1.08E-08	2.37E-09	3.62E-09	2.41E-11	6.02E-09
5371	742121.98	4112294.84	2.78E-08	4.68E-08	5.16E-10	7.52E-08	4.31E-09	7.68E-09	7.74E-11	1.21E-08	4.20E-09	6.60E-09	9.83E-11	1.09E-08	2.38E-09	3.64E-09	2.42E-11	6.05E-09
5372	742098.3	4112299.45	2.80E-08	4.71E-08	5.19E-10	7.56E-08	4.34E-09	7.72E-09	7.79E-11	1.21E-08	4.22E-09	6.65E-09	9.89E-11	1.10E-08	2.40E-09	3.67E-09	2.44E-11	6.09E-09
5373	742074.63	4112304.06	2.82E-08	4.75E-08	5.24E-10	7.62E-08	4.38E-09	7.79E-09	7.85E-11	1.22E-08	4.26E-09	6.70E-09	9.97E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.14E-09
5374	742050.96	4112308.68	2.85E-08	4.79E-08	5.29E-10	7.70E-08	4.42E-09	7.86E-09	7.93E-11	1.24E-08	4.30E-09	6.76E-09	1.01E-10	1.12E-08	2.44E-09	3.73E-09	2.48E-11	6.20E-09
5375	742027.28	4112313.29	2.88E-08	4.84E-08	5.34E-10	7.78E-08	4.46E-09	7.94E-09	8.01E-11	1.25E-08	4.34E-09	6.83E-09	1.02E-10	1.13E-08	2.47E-09	3.77E-09	2.51E-11	6.26E-09
5376	742003.61	4112317.91	2.91E-08	4.90E-08	5.40E-10	7.86E-08	4.51E-09	8.03E-09	8.10E-11	1.26E-08	4.39E-09	6.91E-09	1.03E-10	1.14E-08	2.49E-09	3.81E-09	2.54E-11	6.33E-09
5377	741979.93	4112322.52	2.94E-08	4.95E-08	5.46E-10	7.95E-08	4.56E-09	8.12E-09	8.19E-11	1.28E-08	4.44E-09	6.99E-09	1.04E-10	1.15E-08	2.52E-09	3.85E-09	2.56E-11	6.40E-09
5378	741956.26	4112327.13	2.98E-08	5.01E-08	5.53E-10	8.05E-08	4.62E-09	8.22E-09	8.29E-11	1.29E-08	4.49E-09	7.07E-09	1.05E-10	1.17E-08	2.55E-09	3.90E-09	2.60E-11	6.48E-09
5379	741932.59	4112331.75	3.02E-08	5.08E-08	5.60E-10	8.15E-08	4.68E-09	8.33E-09	8.40E-11	1.31E-08	4.55E-09	7.16E-09	1.07E-10	1.18E-08	2.59E-09	3.95E-09	2.63E-11	6.56E-09
5380	741908.91	4112336.36	3.05E-08	5.14E-08	5.67E-10	8.25E-08	4.74E-09	8.43E-09	8.50E-11	1.33E-08	4.61E-09	7.25E-09	1.08E-10	1.20E-08	2.62E-09	4.00E-09	2.66E-11	6.64E-09
5381	741885.24	4112340.98	3.09E-08	5.20E-08	5.73E-10	8.35E-08	4.79E-09	8.53E-09	8.60E-11	1.34E-08	4.66E-09	7.34E-09	1.09E-10	1.21E-08	2.65E-09	4.05E-09	2.69E-11	6.72E-09
5382	741861.56	4112345.59	3.13E-08	5.26E-08	5.80E-10	8.44E-08	4.85E-09	8.62E-09	8.70E-11	1.36E-08	4.71E-09	7.42E-09	1.10E-10	1.22E-08	2.68E-09	4.09E-09	2.72E-11	6.80E-09
5383	741837.89	4112350.2	3.16E-08	5.31E-08	5.86E-10	8.53E-08	4.90E-09	8.71E-09	8.79E-11	1.37E-08	4.76E-09	7.50E-09	1.12E-10	1.24E-08	2.71E-09	4.14E-09	2.75E-11	6.87E-09
5384	741814.22	4112354.82	3.19E-08	5.36E-08	5.91E-10	8.61E-08	4.94E-09	8.79E-09	8.87E-11	1.38E-08	4.81E-09	7.57E-09	1.13E-10	1.25E-08	2.73E-09	4.17E-09	2.78E-11	6.93E-09
5385	741790.54	4112359.43	3.22E-08	5.41E-08	5.96E-10	8.69E-08	4.99E-09	8.87E-09	8.95E-11	1.39E-08	4.85E-09	7.63E-09	1.14E-10	1.26E-08	2.76E-09	4.21E-09	2.80E-11	6.99E-09
5386	741766.87	4112364.04	3.24E-08	5.45E-08	6.01E-10	8.75E-08	5.02E-09	8.94E-09	9.01E-11	1.41E-08	4.89E-09	7.69E-09	1.14E-10	1.27E-08	2.78E-09	4.24E-09	2.82E-11	7.05E-09
5387	741743.19	4112368.66	3.26E-08	5.49E-08	6.05E-10	8.81E-08	5.06E-09	9.00E-09	9.08E-11	1.42E-08	4.92E-09	7.75E-09	1.15E-10	1.28E-08	2.80E-09	4.27E-09	2.84E-11	7.10E-09
5388	741719.52	4112373.27	3.29E-08	5.53E-08	6.09E-10	8.87E-08	5.09E-09	9.06E-09	9.14E-11	1.43E-08	4.95E-09	7.80E-09	1.16E-10	1.29E-08	2.82E-09	4.30E-09	2.86E-11	7.15E-09
5389	741695.85	4112377.89	3.30E-08	5.56E-08	6.13E-10	8.93E-08	5.12E-09	9.12E-09	9.19E-11	1.43E-08	4.98E-09	7.85E-09	1.17E-10	1.29E-08	2.83E-09	4.33E-09	2.88E-11	7.19E-09
5390	741672.17	4112382.5	3.32E-08	5.59E-08	6.16E-10	8.98E-08	5.15E-09	9.17E-09	9.25E-11	1.44E-08	5.01E-09	7.89E-09	1.17E-10	1.30E-08	2.85E-09	4.35E-09	2.90E-11	7.23E-09
5391	741648.5	4112387.11	3.34E-08	5.62E-08	6.20E-10	9.03E-08	5.18E-09	9.22E-09	9.30E-11	1.45E-08	5.04E-09	7.93E-09	1.18E-10	1.31E-08	2.86E-09	4.37E-09	2.91E-11	7.27E-09
5392	741624.82	4112391.73	3.36E-08	5.65E-08	6.23E-10	9.07E-08	5.21E-09	9.26E-09	9.34E-11	1.46E-08	5.06E-09	7.97E-09	1.19E-10	1.32E-08	2.88E-09	4.40E-09	2.93E-11	7.30E-09
5393	741601.15	4112396.34	3.37E-08	5.67E-08	6.25E-10	9.11E-08	5.23E-09	9.30E-09	9.38E-11	1.46E-08	5.08E-09	8.01E-09	1.19E-10	1.32E-08	2.89E-09	4.42E-09	2.94E-11	7.33E-09
5394	741577.47	4112400.95	3.38E-08	5.70E-08	6.28E-10	9.14E-08	5.25E-09	9.34E-09	9.42E-11	1.47E-08	5.10E-09	8.04E-09	1.20E-10	1.33E-08	2.90E-09	4.43E-09	2.95E-11	7.36E-09
5395	741553.8	4112405.57	3.39E-08	5.71E-08	6.30E-10	9.17E-08	5.26E-09	9.36E-09	9.44E-11	1.47E-08	5.12E-09	8.06E-09	1.20E-10	1.33E-08	2.91E-09	4.44E-09	2.96E-11	7.38E-09
5396	741530.13	4112410.18	3.40E-08	5.72E-08	6.31E-10	9.19E-08	5.27E-09	9.38E-09	9.46E-11	1.48E-08	5.13E-09	8.07E-09	1.20E-10	1.33E-08	2.91E-09	4.45E-09	2.96E-11	7.40E-09
5397	741506.45	4112414.8	3.40E-08	5.73E-08	6.31E-10	9.19E-08	5.28E-09	9.39E-09	9.47E-11	1.48E-08	5.13E-09	8.08E-09	1.20E-10	1.33E-08	2.92E-09	4.46E-09	2.96E-11	7.40E-09
5398	741482.78	4112419.41	3.40E-08	5.73E-08	6.31E-10	9.19E-08	5.28E-09	9.39E-09	9.47E-11	1.48E-08	5.13E-09	8.08E-09	1.20E-10	1.33E-08	2.92E-09	4.46E-09	2.96E-11	7.40E-09
5399	741439.26	4112410.32	3.43E-08	5.77E-08	6.36E-10	9.26E-08	5.31E-09	9.45E-09	9.53E-11	1.49E-08	5.17E-09	8.14E-09	1.21E-10	1.34E-08	2.94E-09	4.49E-09	2.99E-11	7.45E-09
5400	741419.41	4112396.61	3.45E-08	5.81E-08	6.40E-10	9.33E-08	5.35E-09	9.52E-09	9.60E-11	1.50E-08	5.21E-09	8.20E-09	1.22E-10	1.35E-08	2.96E-09	4.52E-09	3.01E-11	7.51E-09
5401	741399.57	4112382.9	3.48E-08	5.85E-08	6.45E-10	9.39E-08	5.39E-09	9.59E-09	9.67E-11	1.51E-08	5.24E-09	8.26E-09	1.23E-10	1.36E-08	2.98E-09	4.55E-09	3.03E-11	7.56E-09
5402	741379.72	4112369.19	3.50E-08	5.89E-08	6.49E-10	9.46E-08	5.43E-09	9.66E-09	9.74E-11	1.52E-08	5.28E-09	8.31E-09	1.24E-10	1.37E-08	3.00E-09	4.58E-09	3.05E-11	7.61E-09
5403	741359.88	4112355.48	3.52E-08	5.93E-08	6.54E-10	9.52E-08	5.46E-09	9.72E-09	9.80E-11	1.53E-08	5.31E-09	8.37E-09	1.24E-10	1.38E-08	3.02E-09	4.61E-09	3.07E-11	7.66E-09
5404	741340.03	4112341.78	3.55E-08	5.97E-08	6.58E-10	9.58E-08	5.50E-09	9.79E-09	9.87E-11	1.54E-08	5.35E-09	8.42E-09	1.25E-10	1.39E-08	3.04E-09	4.65E-09	3.09E-11	7.72E-09
5405	741320.18	4112328.07	3.57E-08	6.01E-08	6.63E-10	9.65E-08	5.54E-09	9.86E-09	9.94E-11	1.55E-08	5.39E-09	8.49E-09	1.26E-10	1.40E-08	3.06E-09	4.68E-09	3.11E-11	7.77E-09
5406	741300.34	4112314.36	3.60E-08	6.06E-08	6.68E-10	9.73E-08	5.59E-09	9.94E-09	1.00E-10	1.56E-08	5.43E-09	8.55E-09	1.27E-10	1.41E-08	3.09E-09	4.72E-09	3.14E-11	7.83E-09
5407	741280.49	4112300.65	3.63E-08	6.11E-08	6.74E-10	9.81E-08	5.63E-09	1.00E-08	1.01E-10	1.58E-08	5.48E-09	8.62E-09	1.28E-10	1.42E-08	3.11E-09	4.76E-09	3.16E-11	7.90E-09
5408	741260.65	4112286.95	3.66E-08	6.17E-08	6.80E-10	9.90E-08	5.68E-09	1.01E-08	1.02E-10	1.59E-08	5.53E-09	8.70E-09	1.29E-10	1.44E-08	3.14E-09	4.80E-09	3.19E-11	7.97E-09
5409	741240.8	4112273.24	3.70E-08	6.22E-08	6.86E-10	9.99E-08	5.73E-09	1.02E-08	1.03E-10	1.60E-08	5.58E-09	8.78E-09	1.31E-10	1.45E-08	3.17E-09	4.84E-09	3.22E-11	8.04E-09
5410	741220.96	4112259.53	3.73E-08	6.28E-08	6.92E-10	1.01E-07	5.79E-09	1.03E-08	1.04E-10	1.62E-08	5.63E-09	8.86E-09	1.32E-10	1.46E-08	3.20E-09	4.89E-09	3.25E-11	8.12E-09
5411	741201.11	4112245.82	3.77E-08	6.34E-08	6.99E-10	1.02E-07	5.84E-09	1.04E-08	1.05E-10	1.63E-08	5.68E-09	8.94E-09	1.33E-10	1.48E-08	3.23E-09	4.93E-09	3.28E-11	8.19E-09
5412	741181.27	4112232.12	3.80E-08	6.39E-08	7.04E-10	1.03E-07	5.89E-09	1.05E-08	1.06E-10	1.65E-08	5.72E-09	9.01E-09	1.34E-10	1.49E-08	3.25E-09	4.97E-09	3.31E-11	8.26E-09
5413	741161.42	4112218.41	3.82E-08	6.43E-08	7.09E-10	1.03E-07	5.93E-09	1.05E-08	1.06E-10	1.66E-08	5.76E-09	9.07E-09	1.35E-10	1.50E-08	3.28E-09	5.01E-09	3.33E-11	8.31E-09
5414	741141.57	4112204.7	3.84E-08	6.47E-08	7.13E-10	1.04E-07	5.96E-09	1.06E-08	1.07E-10	1.67E-08	5.79E-09	9.12E-09	1.36E-10	1.51E-08	3.29E-09	5.03E-09	3.35E-11	8.36E-09
5415	741121.73	4112190.99	3.86E-08	6.49E-08	7.15E-10	1.04E-07	5.98E-09	1.06E-08	1.07E-10	1.67E-08	5.81E-09	9.15E-09	1.36E-10	1.51E-08	3.30E-09	5.05E-09	3.36E-11	8.39E-09
5416	741101.88	4112177.29	3.86E-08	6.50E-08	7.16E-10	1.04E-07	5.99E-09	1.07E-08	1.07E-10	1.67E-08	5.82E-09	9.17E-09	1.36E-10	1.51E-08	3.31E-09	5.06E-09	3.36E-11	8.40E-09
5417	741082.04	4112163.58	3.86E-08	6.49E-08	7.16E-10	1.04E-07	5.98E-09	1.06E-08	1.07E-10	1.67E-08	5.82E-09	9.16E-09	1.36E-10	1.51E-08	3.31E-09	5.05E-09	3.36E-11	8.39E-09
5418	741062.19	4112149.87	3.85E-08	6.47E-08	7.14E-10	1.04E-07	5.97E-09	1.06E-08	1.07E-10	1.67E-08	5.80E-09	9.13E-09	1.36E-10	1.51E-08	3.30E-09	5.04E-09	3.35E-11	8.37E-09
5419	741042.35	4112136.16	3.83E-08	6.44E-08	7.10E-10	1.03E-07	5.94E-09	1.06E-08	1.06E-10	1.66E-08	5.77E-09	9.09E-09	1.35E-10	1.50E-08	3.28E-09	5.01E-09	3.33E-11	8.32E-09
5420	741022.5	4112122.46	3.80E-08	6.39E-08	7.04E-10	1.03E-07	5.89E-09	1.05E-08	1.06E-10	1.65E-08	5.73E-09	9.01E-09	1.34E-10	1.49E-08	3.25E-09	4.97E-09	3.31E-11	8.26E-09
5421	741002.65	4112108.75	3.76E-08	6.33E-08	6.98E-10	1.02E-07	5.83E-09	1.04E-08	1.05E-10	1.63E-08	5.67E-09	8.93E-09	1.33E-10	1.47E-08	3.22E-09	4.93E-09	3.28E-11	8.18E-09
5422	740982.81	4112095.04	3.73E-08	6.27E-08	6.91E-10	1.01E-07	5.78E-09	1.03E-08	1.04E-10	1.62E-08	5.62E-09	8.84E-09	1.32E-10	1.46E-08	3.19E-09	4.88E-09	3.25E-11	8.10E-09
5423	740962.96	4112081.33	3.69E-08	6.21E-08	6.84E-10	9.97E-08	5.72E-09	1.02E-08	1.03E-10	1.60E-08	5.56E-09	8.76E-09	1.30E-10	1.45E-08	3.16E-09	4.83E-09	3.21E-11	8.02E-09
5424	740943.12	4112067.62	3.65E-08	6.15E-08	6.78E-10	9.87E-08	5.67E-09	1.01E-08	1.02E-10	1.59E-08	5.51E-09	8.68E-09	1.29E-10	1.43E-08	3.13E-09	4.79E-09	3.18E-11	7.95E-09
5425	740923.27	4112053.92	3.63E-08	6.10E-08	6.73E-10	9.80E-08	5.62E-09	1.00E-08	1.01E-10	1.57E-08	5.47E-09	8.61E-09	1.28E-10	1.42E-08	3.11E-09	4.75E-09	3.16E-11	7.89E-09
5426	740903.43	4112040.21	3.61E-08	6.07E-08	6.69E-10	9.75E-08	5.59E-09	9.95E-09	1.00E-10	1.56E-08	5.44E-09	8.56E-09	1.27E-10	1.41E-08	3.09E-09	4.72E-09	3.14E-11	7.85E-09
5427	740883.58	4112026.5	3.60E-08	6.06E-08	6.68E-10	9.73E-08	5.59E-09	9.94E-09	1.00E-10	1.56E-08	5.43E-09	8.55E-09	1.27E-10	1.41E-08	3.09E-09	4.72E-09	3.14E-11	7.84E-09
5428	740863.74	4112012.79	3.61E-08	6.08E-08	6.70E-10	9.76E-08	5.60E-09	9.97E-09	1.01E-10	1.57E-08	5.45E-09	8.58E-09	1.28E-10	1.42E-08	3.10E-09	4.73E-09	3.15E-11	7.86E-09
5429	740843.89	4111999.09	3.64E-08	6.12E-08	6.75E-10	9.83E-08	5.64E-09	1.00E-08	1.01E-10	1.58E-08	5.49E-09	8.64E-09	1.29E-10	1.43E-08	3.12E-09	4.76E-09	3.17E-11	7.91E-09
5430	740824.04	4111985.38	3.68E-08	6.20E-08	6.83E-10	9.95E-08	5.71E-09	1.02E-08	1.02E-10	1.60E-08	5.55E-09	8.74E-09	1.30E-10	1.44E-08	3.16E-09	4.82E-09	3.21E-11	8.01E-09
5431	740804.2	4111971.67	3.74E-08	6.30E-08	6.94E-10	1.01E-07	5.80E-09	1.03E-08	1.04E-10	1.62E-08	5.64E-09	8.89E-09	1.32E-10	1.47E-08	3.21E-09	4.90E-09	3.26E-11	8.14E-09
5432	740784.35	4111957.96	3.82E-08	6.43E-08	7.09E-10	1.03E-07	5.92E-09	1.05E-08	1.06E-10	1.66E-08	5.76E-09	9.07E-09	1.35E-10	1.50E-08	3.27E-09	5.00E-09	3.33E-11	8.31E-09
5433	740764.51	4111944.26	3.91E-08	6.58E-08	7.25E-10	1.06E-07	6.06E-09	1.08E-08	1.09E-10	1.70E-08	5.90E-09	9.28E-09	1.38E-10	1.53E-08	3.35E-09	5.12E-09	3.41E-11	8.51E-09
5434	740744.66	4111930.55	4.01E-08	6.75E-08	7.44E-10	1.08E-07	6.22E-09	1.11E-08	1.12E-10	1.74E-08	6.05E-09	9.52E-09	1.42E-10	1.57E-08	3.44E-09	5.25E-09	3.49E-11	8.72E-09
5435	740724.82	4111916.84	4.12E-08	6.93E-08	7.64E-10	1.11E-07	6.38E-09	1.14E-08	1.15E-10	1.79E-08	6.21E-09	9.77E-09	1.45E-10	1.61E-08	3.53E-09	5.39E-09	3.59E-11	8.95E-09
5436	740704.97	4111903.13	4.22E-08	7.11E-08	7.83E-10	1.14E-07	6.55E-09	1.17E-08	1.17E-10	1.83E-08	6.37E-09	1.00E-08	1.49E-10	1.65E-08	3.62E-09	5.53E-09	3.68E-11	9.19E-09
5437	740685.12	4111889.43	4.32E-08	7.28E-08	8.02E-10	1.17E-07	6.71E-09	1.19E-08	1.20E-10	1.88E-08	6.52E-09	1.03E-08	1.53E-10	1.69E-08	3.71E-09	5.66E-09	3.77E-11	9.40E-09
5438	740665.28	4111875.72	4.42E-08	7.43E-08	8.19E-10	1.19E-07	6.85E-09	1.22E-08	1.23E-10	1.92E-08	6.66E-09	1.05E-08	1.56E-10	1.73E-08	3.78E-09	5.78E-09	3.85E-11	9.61E-09
5439	740645.43	4111862.01	4.49E-08	7.56E-08	8.34E-10	1.21E-07	6.97E-09	1.24E-08	1.25E-10	1.95E-08	6.78E-09	1.07E-08	1.59E-10	1.76E-08	3.85E-09	5.89E-09	3.92E-11	9.78E-09
5440	740625.59	4111848.3	4.56E-08	7.67E-08	8.46E-10	1.23E-07	7.07E-09	1.26E-08	1.27E-10	1.98E-08	6.88E-09	1.08E-08	1.61E-10	1.79E-08	3.91E-09	5.97E-09	3.97E-11	9.92E-09
5441	740605.74	4111834.59	4.61E-08	7.76E-08	8.55E-10	1.25E-07	7.15E-09	1.27E-08	1.28E-10	2.00E-08	6.95E-09	1.09E-08	1.63E-10	1.81E-08	3.95E-09	6.04E-09	4.02E-11	1.00E-08
5442	740585.9	4111820.89	4.65E-08	7.82E-08	8.62E-10	1.26E-07	7.21E-09	1.28E-08	1.29E-10	2.02E-08	7.01E-09	1.10E-08	1.64E-10	1.82E-08	3.98E-09	6.09E-09	4.05E-11	1.01E-08
5443	740566.05	4111807.18	4.68E-08	7.87E-08	8.67E-10	1.26E-07	7.25E-09	1.29E-08	1.30E-10	2.03E-08	7.05E-09	1.11E-08	1.65E-10	1.83E-08	4.01E-09	6.12E-09	4.07E-11	1.02E-08
5444	740546.2	4111793.47	4.69E-08	7.89E-08	8.70E-10	1.27E-07	7.27E-09	1.29E-08	1.31E-10	2.03E-08	7.07E-09	1.11E-08	1.66E-10	1.84E-08	4.02E-09	6.14E-09	4.09E-11	1.02E-08
5445	740526.36	4111779.76	4.70E-08	7.91E-08	8.72E-10	1.27E-07	7.29E-09	1.30E-08	1.31E-10	2.04E-08	7.09E-09	1.12E-08	1.66E-10	1.84E-08	4.03E-09	6.16E-09	4.10E-11	1.02E-08
5446	740506.51	4111766.06	4.72E-08	7.94E-08	8.75E-10	1.27E-07	7.31E-09	1.30E-08	1.31E-10	2.05E-08	7.11E-09	1.12E-08	1.67E-10	1.85E-08	4.04E-09	6.18E-09	4.11E-11	1.03E-08
5447	740486.67	4111752.35	4.73E-08	7.97E-08	8.78E-10	1.28E-07	7.34E-09	1.31E-08	1.32E-10	2.05E-08	7.14E-09	1.12E-08	1.67E-10	1.85E-08	4.06E-09	6.20E-09	4.12E-11	1.03E-08
5448	740466.82	4111738.64	4.76E-08	8.00E-08	8.82E-10	1.28E-07	7.38E-09	1.31E-08	1.32E-10	2.06E-08	7.17E-09	1.13E-08	1.68E-10	1.86E-08	4.08E-09	6.23E-09	4.14E-11	1.03E-08
5449	740446.98	4111724.93	4.79E-08	8.06E-08	8.89E-10	1.29E-07	7.43E-09	1.32E-08	1.33E-10	2.08E-08	7.22E-09	1.14E-08	1.69E-10	1.88E-08	4.10E-09	6.27E-09	4.17E-11	1.04E-08
5450	740427.13	4111711.23	4.84E-08	8.14E-08	8.97E-10	1.31E-07	7.50E-09	1.33E-08	1.35E-10	2.10E-08	7.30E-09	1.15E-08	1.71E-10	1.90E-08	4.15E-09	6.34E-09	4.22E-11	1.05E-08
5451	740407.29	4111697.52	4.90E-08	8.25E-08	9.09E-10	1.32E-07	7.60E-09	1.35E-08	1.36E-10	2.13E-08	7.39E-09	1.16E-08	1.73E-10	1.92E-08	4.20E-09	6.42E-09	4.27E-11	1.07E-08
5452	740387.44	4111683.81	4.98E-08	8.37E-08	9.23E-10	1.34E-07	7.72E-09	1.37E-08	1.38E-10	2.16E-08	7.50E-09	1.18E-08	1.76E-10	1.95E-08	4.26E-09	6.52E-09	4.33E-11	1.08E-08

5453	740367.59	4111670.1	5.06E-08	8.52E-08	9.39E-10	1.37E-07	7.85E-09	1.40E-08	1.41E-10	2.20E-08	7.64E-09	1.20E-08	1.79E-10	1.98E-08	4.34E-09	6.63E-09	4.41E-11	1.10E-08
5454	740347.75	4111656.4	5.16E-08	8.68E-08	9.57E-10	1.39E-07	8.00E-09	1.42E-08	1.44E-10	2.24E-08	7.78E-09	1.22E-08	1.82E-10	2.02E-08	4.42E-09	6.76E-09	4.50E-11	1.12E-08
5455	740327.9	4111642.69	5.26E-08	8.85E-08	9.76E-10	1.42E-07	8.16E-09	1.45E-08	1.46E-10	2.28E-08	7.93E-09	1.25E-08	1.86E-10	2.06E-08	4.51E-09	6.89E-09	4.58E-11	1.14E-08
5456	740308.06	4111628.98	5.37E-08	9.03E-08	9.95E-10	1.45E-07	8.32E-09	1.48E-08	1.49E-10	2.33E-08	8.09E-09	1.27E-08	1.90E-10	2.10E-08	4.60E-09	7.03E-09	4.68E-11	1.17E-08
5457	740288.21	4111615.27	5.47E-08	9.21E-08	1.02E-09	1.48E-07	8.49E-09	1.51E-08	1.52E-10	2.37E-08	8.25E-09	1.30E-08	1.93E-10	2.14E-08	4.69E-09	7.17E-09	4.77E-11	1.19E-08
5458	740268.37	4111601.56	5.57E-08	9.38E-08	1.03E-09	1.51E-07	8.65E-09	1.54E-08	1.55E-10	2.42E-08	8.41E-09	1.32E-08	1.97E-10	2.18E-08	4.78E-09	7.30E-09	4.86E-11	1.21E-08
5459	740248.52	4111587.86	5.67E-08	9.54E-08	1.05E-09	1.53E-07	8.79E-09	1.56E-08	1.58E-10	2.46E-08	8.55E-09	1.35E-08	2.00E-10	2.22E-08	4.86E-09	7.42E-09	4.94E-11	1.23E-08
5460	740228.67	4111574.15	5.76E-08	9.69E-08	1.07E-09	1.55E-07	8.93E-09	1.59E-08	1.60E-10	2.50E-08	8.68E-09	1.37E-08	2.03E-10	2.25E-08	4.93E-09	7.54E-09	5.01E-11	1.25E-08
5461	740208.83	4111560.44	5.83E-08	9.81E-08	1.08E-09	1.57E-07	9.04E-09	1.61E-08	1.62E-10	2.53E-08	8.79E-09	1.38E-08	2.06E-10	2.28E-08	4.99E-09	7.63E-09	5.08E-11	1.27E-08
5462	740188.98	4111546.73	5.89E-08	9.91E-08	1.09E-09	1.59E-07	9.14E-09	1.63E-08	1.64E-10	2.56E-08	8.88E-09	1.40E-08	2.08E-10	2.31E-08	5.05E-09	7.71E-09	5.13E-11	1.28E-08
5463	740169.14	4111533.03	5.95E-08	1.00E-07	1.10E-09	1.61E-07	9.22E-09	1.64E-08	1.65E-10	2.58E-08	8.97E-09	1.41E-08	2.10E-10	2.33E-08	5.09E-09	7.79E-09	5.18E-11	1.29E-08
5464	740149.29	4111519.32	5.99E-08	1.01E-07	1.11E-09	1.62E-07	9.29E-09	1.65E-08	1.67E-10	2.60E-08	9.03E-09	1.42E-08	2.12E-10	2.35E-08	5.13E-09	7.84E-09	5.22E-11	1.30E-08
5465	740129.45	4111505.61	6.02E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.08E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.88E-09	5.25E-11	1.31E-08
5466	740109.6	4111491.9	6.04E-08	1.02E-07	1.12E-09	1.63E-07	9.37E-09	1.67E-08	1.68E-10	2.62E-08	9.11E-09	1.43E-08	2.13E-10	2.37E-08	5.18E-09	7.91E-09	5.27E-11	1.31E-08
5467	740089.76	4111478.2	6.06E-08	1.02E-07	1.12E-09	1.64E-07	9.39E-09	1.67E-08	1.69E-10	2.63E-08	9.14E-09	1.44E-08	2.14E-10	2.37E-08	5.19E-09	7.93E-09	5.28E-11	1.32E-08
5468	740069.91	4111464.49	6.06E-08	1.02E-07	1.12E-09	1.64E-07	9.40E-09	1.67E-08	1.69E-10	2.63E-08	9.14E-09	1.44E-08	2.14E-10	2.38E-08	5.20E-09	7.94E-09	5.28E-11	1.32E-08
5469	740050.06	4111450.78	6.06E-08	1.02E-07	1.12E-09	1.64E-07	9.40E-09	1.67E-08	1.69E-10	2.63E-08	9.14E-09	1.44E-08	2.14E-10	2.37E-08	5.19E-09	7.94E-09	5.28E-11	1.32E-08
5470	740030.22	4111437.07	6.05E-08	1.02E-07	1.12E-09	1.63E-07	9.38E-09	1.67E-08	1.68E-10	2.62E-08	9.12E-09	1.44E-08	2.14E-10	2.37E-08	5.18E-09	7.92E-09	5.27E-11	1.32E-08
5471	740010.37	4111423.37	6.03E-08	1.01E-07	1.12E-09	1.63E-07	9.34E-09	1.66E-08	1.68E-10	2.61E-08	9.09E-09	1.43E-08	2.13E-10	2.36E-08	5.16E-09	7.89E-09	5.25E-11	1.31E-08
5472	743210.99	4112082.6	1.72E-08	2.89E-08	3.18E-10	4.63E-08	2.66E-09	4.73E-09	4.77E-11	7.44E-09	2.59E-09	4.07E-09	6.06E-11	6.72E-09	1.47E-09	2.25E-09	1.49E-11	3.73E-09
5473	743231.1	4112069.11	1.70E-08	2.86E-08	3.15E-10	4.59E-08	2.63E-09	4.69E-09	4.73E-11	7.37E-09	2.56E-09	4.03E-09	6.00E-11	6.65E-09	1.46E-09	2.22E-09	1.48E-11	3.69E-09
5474	743251.21	4112055.62	1.68E-08	2.83E-08	3.12E-10	4.54E-08	2.61E-09	4.64E-09	4.67E-11	7.29E-09	2.53E-09	3.99E-09	5.94E-11	6.58E-09	1.44E-09	2.20E-09	1.46E-11	3.65E-09
5475	743271.32	4112042.13	1.66E-08	2.79E-08	3.08E-10	4.48E-08	2.57E-09	4.58E-09	4.62E-11	7.20E-09	2.50E-09	3.94E-09	5.86E-11	6.50E-09	1.42E-09	2.17E-09	1.45E-11	3.61E-09
5476	743291.43	4112028.63	1.64E-08	2.76E-08	3.04E-10	4.42E-08	2.54E-09	4.52E-09	4.56E-11	7.10E-09	2.47E-09	3.89E-09	5.78E-11	6.41E-09	1.40E-09	2.14E-09	1.43E-11	3.56E-09
5477	743311.54	4112015.14	1.62E-08	2.72E-08	3.00E-10	4.37E-08	2.51E-09	4.46E-09	4.50E-11	7.01E-09	2.44E-09	3.84E-09	5.71E-11	6.33E-09	1.39E-09	2.12E-09	1.41E-11	3.52E-09
5478	743331.65	4112001.65	1.60E-08	2.69E-08	2.97E-10	4.32E-08	2.48E-09	4.41E-09	4.45E-11	6.94E-09	2.41E-09	3.80E-09	5.65E-11	6.27E-09	1.37E-09	2.09E-09	1.39E-11	3.48E-09
5479	743351.76	4111988.16	1.59E-08	2.67E-08	2.94E-10	4.28E-08	2.46E-09	4.38E-09	4.41E-11	6.88E-09	2.39E-09	3.76E-09	5.60E-11	6.21E-09	1.36E-09	2.08E-09	1.38E-11	3.45E-09
5480	743371.87	4111974.66	1.58E-08	2.66E-08	2.93E-10	4.27E-08	2.45E-09	4.36E-09	4.39E-11	6.85E-09	2.38E-09	3.75E-09	5.58E-11	6.19E-09	1.35E-09	2.07E-09	1.38E-11	3.43E-09
5481	743391.98	4111961.17	1.58E-08	2.66E-08	2.93E-10	4.27E-08	2.45E-09	4.36E-09	4.40E-11	6.86E-09	2.38E-09	3.75E-09	5.58E-11	6.19E-09	1.35E-09	2.07E-09	1.38E-11	3.44E-09
5482	743412.09	4111947.68	1.59E-08	2.68E-08	2.96E-10	4.30E-08	2.47E-09	4.40E-09	4.43E-11	6.91E-09	2.40E-09	3.78E-09	5.63E-11	6.24E-09	1.37E-09	2.09E-09	1.39E-11	3.47E-09
5483	743432.2	4111934.19	1.62E-08	2.72E-08	3.00E-10	4.37E-08	2.51E-09	4.46E-09	4.50E-11	7.02E-09	2.44E-09	3.84E-09	5.71E-11	6.34E-09	1.39E-09	2.12E-09	1.41E-11	3.52E-09
5484	743452.31	4111920.7	1.65E-08	2.78E-08	3.07E-10	4.47E-08	2.56E-09	4.56E-09	4.60E-11	7.17E-09	2.49E-09	3.93E-09	5.84E-11	6.48E-09	1.42E-09	2.17E-09	1.44E-11	3.60E-09
5485	743472.42	4111907.2	1.70E-08	2.87E-08	3.16E-10	4.60E-08	2.64E-09	4.70E-09	4.74E-11	7.39E-09	2.57E-09	4.04E-09	6.02E-11	6.67E-09	1.46E-09	2.23E-09	1.48E-11	3.71E-09
5486	743410.21	4112419.38	1.41E-08	2.37E-08	2.61E-10	3.81E-08	2.19E-09	3.89E-09	3.92E-11	6.11E-09	2.12E-09	3.35E-09	4.98E-11	5.52E-09	1.21E-09	1.85E-09	1.23E-11	3.06E-09
5487	743386.57	4112423.98	1.43E-08	2.40E-08	2.64E-10	3.85E-08	2.21E-09	3.93E-09	3.97E-11	6.19E-09	2.15E-09	3.39E-09	5.04E-11	5.59E-09	1.22E-09	1.87E-09	1.24E-11	3.10E-09
5488	743362.93	4112428.59	1.44E-08	2.42E-08	2.67E-10	3.89E-08	2.23E-09	3.97E-09	4.00E-11	6.24E-09	2.17E-09	3.42E-09	5.08E-11	5.64E-09	1.23E-09	1.88E-09	1.25E-11	3.13E-09
5489	743339.29	4112433.2	1.45E-08	2.44E-08	2.69E-10	3.91E-08	2.25E-09	4.00E-09	4.03E-11	6.28E-09	2.18E-09	3.44E-09	5.12E-11	5.67E-09	1.24E-09	1.90E-09	1.26E-11	3.15E-09
5490	743315.65	4112437.8	1.46E-08	2.45E-08	2.70E-10	3.93E-08	2.26E-09	4.02E-09	4.05E-11	6.32E-09	2.20E-09	3.46E-09	5.14E-11	5.70E-09	1.25E-09	1.91E-09	1.27E-11	3.17E-09
5491	743292.01	4112442.41	1.46E-08	2.46E-08	2.71E-10	3.95E-08	2.26E-09	4.03E-09	4.06E-11	6.33E-09	2.20E-09	3.47E-09	5.16E-11	5.72E-09	1.25E-09	1.91E-09	1.27E-11	3.18E-09
5492	743268.37	4112447.02	1.46E-08	2.46E-08	2.71E-10	3.95E-08	2.27E-09	4.03E-09	4.07E-11	6.34E-09	2.20E-09	3.47E-09	5.16E-11	5.72E-09	1.25E-09	1.91E-09	1.27E-11	3.18E-09
5493	743244.74	4112451.62	1.46E-08	2.46E-08	2.71E-10	3.94E-08	2.26E-09	4.03E-09	4.06E-11	6.33E-09	2.20E-09	3.47E-09	5.16E-11	5.72E-09	1.25E-09	1.91E-09	1.27E-11	3.17E-09
5494	743221.1	4112456.23	1.46E-08	2.45E-08	2.70E-10	3.93E-08	2.26E-09	4.02E-09	4.05E-11	6.32E-09	2.20E-09	3.46E-09	5.14E-11	5.70E-09	1.25E-09	1.91E-09	1.27E-11	3.17E-09
5495	743197.46	4112460.84	1.45E-08	2.44E-08	2.69E-10	3.92E-08	2.25E-09	4.00E-09	4.03E-11	6.29E-09	2.19E-09	3.44E-09	5.12E-11	5.68E-09	1.24E-09	1.90E-09	1.26E-11	3.15E-09
5496	743173.82	4112465.44	1.44E-08	2.43E-08	2.68E-10	3.90E-08	2.24E-09	3.98E-09	4.02E-11	6.26E-09	2.18E-09	3.43E-09	5.10E-11	5.66E-09	1.24E-09	1.89E-09	1.26E-11	3.14E-09
5497	743150.18	4112470.05	1.44E-08	2.42E-08	2.66E-10	3.88E-08	2.23E-09	3.96E-09	4.00E-11	6.23E-09	2.17E-09	3.41E-09	5.07E-11	5.63E-09	1.23E-09	1.88E-09	1.25E-11	3.12E-09
5498	743126.54	4112474.66	1.43E-08	2.41E-08	2.65E-10	3.86E-08	2.22E-09	3.95E-09	3.98E-11	6.20E-09	2.16E-09	3.40E-09	5.05E-11	5.60E-09	1.23E-09	1.87E-09	1.25E-11	3.11E-09
5499	743102.9	4112479.27	1.42E-08	2.38E-08	2.63E-10	3.82E-08	2.20E-09	3.91E-09	3.94E-11	6.14E-09	2.13E-09	3.36E-09	5.00E-11	5.55E-09	1.21E-09	1.85E-09	1.23E-11	3.08E-09
5500	743079.27	4112483.87	1.43E-08	2.40E-08	2.65E-10	3.86E-08	2.21E-09	3.94E-09	3.97E-11	6.19E-09	2.15E-09	3.39E-09	5.04E-11	5.59E-09	1.22E-09	1.87E-09	1.24E-11	3.11E-09
5501	743055.63	4112488.48	1.43E-08	2.41E-08	2.66E-10	3.87E-08	2.22E-09	3.95E-09	3.98E-11	6.21E-09	2.16E-09	3.40E-09	5.06E-11	5.61E-09	1.23E-09	1.87E-09	1.25E-11	3.11E-09
5502	743031.99	4112493.09	1.44E-08	2.42E-08	2.67E-10	3.88E-08	2.23E-09	3.97E-09	4.00E-11	6.24E-09	2.17E-09	3.41E-09	5.08E-11	5.63E-09	1.23E-09	1.88E-09	1.25E-11	3.13E-09
5503	743008.35	4112497.69	1.45E-08	2.44E-08	2.68E-10	3.91E-08	2.24E-09	3.99E-09	4.03E-11	6.28E-09	2.18E-09	3.44E-09	5.11E-11	5.67E-09	1.24E-09	1.89E-09	1.26E-11	3.15E-09
5504	742984.71	4112502.3	1.46E-08	2.46E-08	2.71E-10	3.95E-08	2.26E-09	4.03E-09	4.06E-11	6.33E-09	2.20E-09	3.47E-09	5.16E-11	5.72E-09	1.25E-09	1.91E-09	1.27E-11	3.18E-09
5505	742961.07	4112506.91	1.48E-08	2.49E-08	2.74E-10	3.99E-08	2.29E-09	4.08E-09	4.11E-11	6.41E-09	2.23E-09	3.51E-09	5.22E-11	5.79E-09	1.27E-09	1.93E-09	1.29E-11	3.21E-09
5506	742937.43	4112511.51	1.50E-08	2.52E-08	2.78E-10	4.05E-08	2.32E-09	4.13E-09	4.17E-11	6.50E-09	2.26E-09	3.56E-09	5.29E-11	5.87E-09	1.28E-09	1.96E-09	1.30E-11	3.26E-09
5507	742913.8	4112516.12	1.52E-08	2.56E-08	2.82E-10	4.11E-08	2.36E-09	4.20E-09	4.23E-11	6.60E-09	2.29E-09	3.61E-09	5.38E-11	5.96E-09	1.30E-09	1.99E-09	1.33E-11	3.31E-09
5508	742890.16	4112520.73	1.55E-08	2.61E-08	2.87E-10	4.19E-08	2.40E-09	4.28E-09	4.31E-11	6.72E-09	2.34E-09	3.68E-09	5.47E-11	6.07E-09	1.33E-09	2.03E-09	1.35E-11	3.37E-09
5509	742866.52	4112525.33	1.58E-08	2.66E-08	2.93E-10	4.27E-08	2.45E-09	4.36E-09	4.40E-11	6.86E-09	2.38E-09	3.75E-09	5.58E-11	6.19E-09	1.35E-09	2.07E-09	1.38E-11	3.44E-09
5510	742842.88	4112529.94	1.62E-08	2.72E-08	3.00E-10	4.36E-08	2.50E-09	4.46E-09	4.49E-11	7.01E-09	2.44E-09	3.83E-09	5.71E-11	6.33E-09	1.38E-09	2.12E-09	1.41E-11	3.51E-09
5511	742819.24	4112534.55	1.65E-08	2.78E-08	3.07E-10	4.47E-08	2.56E-09	4.56E-09	4.60E-11	7.17E-09	2.49E-09	3.92E-09	5.84E-11	6.48E-09	1.42E-09	2.16E-09	1.44E-11	3.60E-09
5512	742795.6	4112539.15	1.70E-08	2.85E-08	3.15E-10	4.58E-08	2.63E-09	4.68E-09	4.72E-11	7.36E-09	2.56E-09	4.03E-09	5.99E-11	6.64E-09	1.45E-09	2.22E-09	1.48E-11	3.69E-09
5513	742771.96	4112543.76	1.74E-08	2.93E-08	3.23E-10	4.70E-08	2.70E-09	4.80E-09	4.84E-11	7.55E-09	2.62E-09	4.13E-09	6.15E-11	6.82E-09	1.49E-09	2.28E-09	1.52E-11	3.78E-09
5514	742748.33	4112548.37	1.79E-08	3.01E-08	3.31E-10	4.83E-08	2.77E-09	4.93E-09	4.97E-11	7.75E-09	2.69E-09	4.24E-09	6.31E-11	7.00E-09	1.53E-09	2.34E-09	1.56E-11	3.88E-09
5515	742724.69	4112552.98	1.83E-08	3.09E-08	3.40E-10	4.95E-08	2.84E-09	5.06E-09	5.10E-11	7.96E-09	2.77E-09	4.35E-09	6.48E-11	7.19E-09	1.57E-09	2.40E-09	1.60E-11	3.99E-09
5516	742701.05	4112557.58	1.88E-08	3.17E-08	3.49E-10	5.08E-08	2.92E-09	5.19E-09	5.23E-11	8.16E-09	2.84E-09	4.47E-09	6.65E-11	7.37E-09	1.61E-09	2.46E-09	1.64E-11	4.09E-09
5517	742677.41	4112562.19	1.93E-08	3.25E-08	3.58E-10	5.21E-08	2.99E-09	5.32E-09	5.37E-11	8.36E-09	2.91E-09	4.58E-09	6.81E-11	7.55E-09	1.65E-09	2.53E-09	1.68E-11	4.19E-09
5518	742653.77	4112566.8	1.98E-08	3.32E-08	3.66E-10	5.34E-08	3.06E-09	5.45E-09	5.50E-11	8.57E-09	2.98E-09	4.69E-09	6.98E-11	7.74E-09	1.69E-09	2.59E-09	1.72E-11	4.30E-09
5519	742630.13	4112571.4	2.02E-08	3.40E-08	3.75E-10	5.46E-08	3.14E-09	5.58E-09	5.63E-11	8.77E-09	3.05E-09	4.80E-09	7.15E-11	7.92E-09	1.73E-09	2.65E-09	1.76E-11	4.40E-09
5520	742606.49	4112576.01	2.07E-08	3.48E-08	3.83E-10	5.58E-08	3.21E-09	5.70E-09	5.75E-11	8.97E-09	3.12E-09	4.91E-09	7.30E-11	8.10E-09	1.77E-09	2.71E-09	1.80E-11	4.50E-09
5521	742582.86	4112580.62	2.11E-08	3.55E-08	3.91E-10	5.70E-08	3.27E-09	5.82E-09	5.87E-11	9.15E-09	3.18E-09	5.01E-09	7.45E-11	8.26E-09	1.81E-09	2.76E-09	1.84E-11	4.59E-09
5522	742559.22	4112585.22	2.15E-08	3.61E-08	3.98E-10	5.80E-08	3.33E-09	5.92E-09	5.97E-11	9.31E-09	3.24E-09	5.10E-09	7.58E-11	8.41E-09	1.84E-09	2.81E-09	1.87E-11	4.67E-09
5523	742535.58	4112589.83	2.18E-08	3.67E-08	4.04E-10	5.88E-08	3.38E-09	6.01E-09	6.06E-11	9.45E-09	3.28E-09	5.17E-09	7.70E-11	8.53E-09	1.87E-09	2.85E-09	1.90E-11	4.74E-09
5524	742511.94	4112594.44	2.21E-08	3.71E-08	4.09E-10	5.96E-08	3.42E-09	6.08E-09	6.14E-11	9.57E-09	3.33E-09	5.24E-09	7.79E-11	8.64E-09	1.89E-09	2.89E-09	1.92E-11	4.80E-09
5525	742488.3	4112599.04	2.23E-08	3.75E-08	4.13E-10	6.01E-08	3.45E-09	6.14E-09	6.19E-11	9.65E-09	3.36E-09	5.28E-09	7.86E-11	8.72E-09	1.91E-09	2.91E-09	1.94E-11	4.84E-09
5526	742464.66	4112603.65	2.24E-08	3.77E-08	4.15E-10	6.05E-08	3.47E-09	6.18E-09	6.23E-11	9.72E-09	3.38E-09	5.32E-09	7.91E-11	8.77E-09	1.92E-09	2.93E-09	1.95E-11	4.87E-09
5527	742441.02	4112608.26	2.25E-08	3.78E-08	4.17E-10	6.08E-08	3.49E-09	6.21E-09	6.26E-11	9.76E-09	3.39E-09	5.34E-09	7.95E-11	8.81E-09	1.93E-09	2.95E-09	1.96E-11	4.89E-09
5528	742417.39	4112612.86	2.25E-08	3.79E-08	4.18E-10	6.08E-08	3.49E-09	6.21E-09	6.27E-11	9.77E-09	3.40E-09	5.35E-09	7.96E-11	8.82E-09	1.93E-09	2.95E-09	1.96E-11	4.90E-09
5529	742393.75	4112617.47	2.25E-08	3.79E-08	4.18E-10	6.08E-08	3.49E-09	6.21E-09	6.26E-11	9.77E-09	3.40E-09	5.35E-09	7.95E-11	8.82E-09	1.93E-09	2.95E-09	1.96E-11	4.90E-09
5530	742370.11	4112622.08	2.25E-08	3.78E-08	4.17E-10	6.07E-08	3.49E-09	6.20E-09	6.25E-11	9.75E-09	3.39E-09	5.34E-09	7.94E-11	8.80E-09	1.93E-09	2.94E-09	1.96E-11	4.89E-09
5531	742346.47	4112626.68	2.24E-08	3.77E-08	4.16E-10	6.06E-08	3.48E-09	6.18E-09	6.24E-11	9.72E-09	3.38E-09	5.32E-09	7.92E-11	8.78E-09	1.92E-09	2.94E-09	1.95E-11	4.88E-09
5532	742322.83	4112631.29	2.23E-08	3.76E-08	4.14E-10	6.03E-08	3.46E-09	6.16E-09	6.22E-11	9.69E-09	3.37E-09	5.30E-09	7.89E-11	8.75E-09	1.91E-09	2.93E-09	1.95E-11	4.86E-09
5533	742299.19	4112635.9	2.23E-08	3.75E-08	4.13E-10	6.01E-08	3.45E-09	6.14E-09	6.19E-11	9.66E-09	3.36E-09	5.29E-09	7.86E-11	8.72E-09	1.91E-09	2.92E-09	1.94E-11	4.84E-09
5534	742275.55	4112640.51	2.22E-08	3.74E-08	4.12E-10	6.00E-08	3.44E-09	6.12E-09	6.18E-11	9.63E-09	3.35E-09	5.27E-09	7.84E-11	8.70E-09	1.90E-09	2.91E-09	1.93E-11	4.83E-09
5535	742251.92	4112645.11	2.21E-08	3.73E-08	4.11E-10	5.98E-08	3.43E-09	6.11E-09	6.16E-11	9.61E-09	3.34E-09	5.26E-09	7.82E-11	8.68E-09	1.90E-09	2.90E-09	1.93E-11	4.82E-09
5536	742228.28	4112649.72	2.21E-08	3.72E-08	4.10E-10	5.98E-08	3.43E-09	6.11E-09	6.16E-11	9.60E-09	3.34E-09	5.25E-09	7.82E-11	8.67E-09	1.90E-09	2.90E-09	1.93E-11	4.81E-09
5537	742204.64	4112654.33	2.21E-08	3.72E-08	4.10E-10	5.98E-08	3.43E-09	6.11E-09	6.16E-11	9.60E-09	3.34E-09	5.25E-09	7.82E-11	8.67E-09	1.90E-09	2.90E-09	1.93E-11	4.81E-09
5538	742181	4112658.93	2.22E-08	3.73E-08	4.11E-10	5.98E-08	3.44E-09	6.11E-09	6.16E-11	9.61E-09	3.34E-09	5.26E-09	7.83E-11	8.68E-09	1.90E-09	2.90E-09	1.93E-11	4.82E-09
5539	742157.36	4112663.54	2.22E-08	3.74E-08	4.12E-10	6.00E-08	3.45E-09	6.13E-09	6.18E-11	9.64E-09	3.35E-09	5.28E-09	7.85E-11	8.71E-09	1.90E-09	2.91E-09	1.94E-11	4.83E-09
5540	742133.72	4112668.15	2.23E-08	3.76E-08	4.14E-10	6.03E-08	3.46E-09	6.16E-09	6.21E-11	9.68E-09	3.36E-09	5.30E-09	7.88E-11	8.74E-09	1.91E-09	2.92E-09	1.94E-11	4.85E-09

5541	742110.08	4112672.75	2.24E-08	3.78E-08	4.16E-10	6.06E-08	3.48E-09	6.19E-09	6.24E-11	9.73E-09	3.38E-09	5.33E-09	7.93E-11	8.79E-09	1.92E-09	2.94E-09	1.96E-11	4.88E-09
5542	742086.45	4112677.36	2.26E-08	3.80E-08	4.19E-10	6.10E-08	3.50E-09	6.23E-09	6.29E-11	9.80E-09	3.41E-09	5.36E-09	7.98E-11	8.85E-09	1.94E-09	2.96E-09	1.97E-11	4.91E-09
5543	742062.81	4112681.97	2.28E-08	3.83E-08	4.22E-10	6.15E-08	3.53E-09	6.28E-09	6.34E-11	9.88E-09	3.43E-09	5.41E-09	8.05E-11	8.92E-09	1.95E-09	2.98E-09	1.98E-11	4.95E-09
5544	742039.17	4112686.57	2.30E-08	3.87E-08	4.26E-10	6.21E-08	3.56E-09	6.34E-09	6.40E-11	9.97E-09	3.47E-09	5.46E-09	8.12E-11	9.01E-09	1.97E-09	3.01E-09	2.00E-11	5.00E-09
5545	742015.53	4112691.18	2.32E-08	3.91E-08	4.31E-10	6.27E-08	3.60E-09	6.41E-09	6.46E-11	1.01E-08	3.50E-09	5.51E-09	8.20E-11	9.10E-09	1.99E-09	3.04E-09	2.02E-11	5.05E-09
5546	741991.89	4112695.79	2.35E-08	3.95E-08	4.35E-10	6.34E-08	3.64E-09	6.47E-09	6.53E-11	1.02E-08	3.54E-09	5.57E-09	8.29E-11	9.19E-09	2.01E-09	3.07E-09	2.04E-11	5.10E-09
5547	741968.25	4112700.39	2.37E-08	3.99E-08	4.40E-10	6.41E-08	3.68E-09	6.54E-09	6.60E-11	1.03E-08	3.58E-09	5.63E-09	8.38E-11	9.29E-09	2.03E-09	3.11E-09	2.07E-11	5.16E-09
5548	741944.61	4112705	2.40E-08	4.04E-08	4.45E-10	6.48E-08	3.72E-09	6.62E-09	6.67E-11	1.04E-08	3.62E-09	5.69E-09	8.47E-11	9.39E-09	2.05E-09	3.14E-09	2.09E-11	5.22E-09
5549	741920.98	4112709.61	2.43E-08	4.08E-08	4.50E-10	6.55E-08	3.76E-09	6.69E-09	6.75E-11	1.05E-08	3.66E-09	5.76E-09	8.57E-11	9.50E-09	2.08E-09	3.18E-09	2.11E-11	5.27E-09
5550	741897.34	4112714.22	2.45E-08	4.12E-08	4.55E-10	6.62E-08	3.80E-09	6.76E-09	6.82E-11	1.06E-08	3.70E-09	5.82E-09	8.66E-11	9.60E-09	2.10E-09	3.21E-09	2.14E-11	5.33E-09
5551	741873.7	4112718.82	2.48E-08	4.17E-08	4.59E-10	6.69E-08	3.84E-09	6.83E-09	6.89E-11	1.07E-08	3.73E-09	5.88E-09	8.74E-11	9.70E-09	2.12E-09	3.24E-09	2.16E-11	5.38E-09
5552	741850.06	4112723.43	2.50E-08	4.20E-08	4.63E-10	6.75E-08	3.87E-09	6.89E-09	6.95E-11	1.08E-08	3.77E-09	5.93E-09	8.83E-11	9.79E-09	2.14E-09	3.27E-09	2.18E-11	5.43E-09
5553	741826.42	4112728.04	2.52E-08	4.24E-08	4.68E-10	6.81E-08	3.91E-09	6.96E-09	7.01E-11	1.09E-08	3.80E-09	5.99E-09	8.91E-11	9.88E-09	2.16E-09	3.30E-09	2.20E-11	5.48E-09
5554	741802.78	4112732.64	2.54E-08	4.28E-08	4.72E-10	6.87E-08	3.94E-09	7.01E-09	7.07E-11	1.10E-08	3.83E-09	6.04E-09	8.98E-11	9.96E-09	2.18E-09	3.33E-09	2.21E-11	5.53E-09
5555	741779.14	4112737.25	2.56E-08	4.31E-08	4.75E-10	6.92E-08	3.97E-09	7.06E-09	7.12E-11	1.11E-08	3.86E-09	6.08E-09	9.05E-11	1.00E-08	2.19E-09	3.35E-09	2.23E-11	5.57E-09
5556	741755.51	4112741.86	2.58E-08	4.34E-08	4.78E-10	6.97E-08	4.00E-09	7.12E-09	7.18E-11	1.12E-08	3.89E-09	6.12E-09	9.11E-11	1.01E-08	2.21E-09	3.38E-09	2.25E-11	5.61E-09
5557	741731.87	4112746.46	2.60E-08	4.37E-08	4.82E-10	7.01E-08	4.03E-09	7.16E-09	7.22E-11	1.13E-08	3.91E-09	6.16E-09	9.17E-11	1.02E-08	2.22E-09	3.40E-09	2.26E-11	5.65E-09
5558	741708.23	4112751.07	2.61E-08	4.39E-08	4.84E-10	7.05E-08	4.05E-09	7.20E-09	7.26E-11	1.13E-08	3.94E-09	6.20E-09	9.22E-11	1.02E-08	2.24E-09	3.42E-09	2.27E-11	5.68E-09
5559	741684.59	4112755.68	2.63E-08	4.42E-08	4.87E-10	7.10E-08	4.07E-09	7.25E-09	7.31E-11	1.14E-08	3.96E-09	6.24E-09	9.28E-11	1.03E-08	2.25E-09	3.44E-09	2.29E-11	5.71E-09
5560	741660.95	4112760.28	2.64E-08	4.45E-08	4.90E-10	7.14E-08	4.10E-09	7.29E-09	7.35E-11	1.15E-08	3.98E-09	6.27E-09	9.33E-11	1.03E-08	2.26E-09	3.46E-09	2.30E-11	5.75E-09
5561	741637.31	4112764.89	2.66E-08	4.47E-08	4.93E-10	7.18E-08	4.12E-09	7.33E-09	7.39E-11	1.15E-08	4.01E-09	6.31E-09	9.38E-11	1.04E-08	2.28E-09	3.48E-09	2.31E-11	5.78E-09
5562	741613.67	4112769.5	2.67E-08	4.50E-08	4.96E-10	7.22E-08	4.14E-09	7.37E-09	7.44E-11	1.16E-08	4.03E-09	6.34E-09	9.44E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
5563	741590.04	4112774.1	2.69E-08	4.52E-08	4.99E-10	7.26E-08	4.17E-09	7.42E-09	7.48E-11	1.17E-08	4.05E-09	6.38E-09	9.49E-11	1.05E-08	2.30E-09	3.52E-09	2.34E-11	5.85E-09
5564	741566.4	4112778.71	2.70E-08	4.55E-08	5.01E-10	7.30E-08	4.19E-09	7.46E-09	7.52E-11	1.17E-08	4.08E-09	6.42E-09	9.55E-11	1.06E-08	2.32E-09	3.54E-09	2.36E-11	5.88E-09
5565	741542.76	4112783.32	2.72E-08	4.57E-08	5.04E-10	7.34E-08	4.22E-09	7.50E-09	7.56E-11	1.18E-08	4.10E-09	6.45E-09	9.60E-11	1.06E-08	2.33E-09	3.56E-09	2.37E-11	5.91E-09
5566	741519.12	4112787.93	2.73E-08	4.60E-08	5.07E-10	7.38E-08	4.24E-09	7.54E-09	7.60E-11	1.18E-08	4.12E-09	6.48E-09	9.65E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.94E-09
5567	741495.48	4112792.53	2.74E-08	4.62E-08	5.09E-10	7.41E-08	4.25E-09	7.57E-09	7.63E-11	1.19E-08	4.14E-09	6.51E-09	9.69E-11	1.07E-08	2.35E-09	3.59E-09	2.39E-11	5.96E-09
5568	741471.84	4112797.14	2.75E-08	4.63E-08	5.10E-10	7.43E-08	4.27E-09	7.59E-09	7.66E-11	1.19E-08	4.15E-09	6.53E-09	9.72E-11	1.08E-08	2.36E-09	3.60E-09	2.40E-11	5.98E-09
5569	741448.2	4112801.75	2.76E-08	4.64E-08	5.11E-10	7.45E-08	4.28E-09	7.61E-09	7.67E-11	1.20E-08	4.16E-09	6.55E-09	9.74E-11	1.08E-08	2.36E-09	3.61E-09	2.40E-11	6.00E-09
5570	741424.56	4112806.35	2.76E-08	4.64E-08	5.12E-10	7.46E-08	4.28E-09	7.62E-09	7.68E-11	1.20E-08	4.16E-09	6.55E-09	9.75E-11	1.08E-08	2.37E-09	3.61E-09	2.40E-11	6.00E-09
5571	741400.93	4112810.96	2.76E-08	4.64E-08	5.12E-10	7.46E-08	4.28E-09	7.62E-09	7.68E-11	1.20E-08	4.16E-09	6.55E-09	9.75E-11	1.08E-08	2.37E-09	3.61E-09	2.40E-11	6.00E-09
5572	741357.47	4112801.88	2.77E-08	4.67E-08	5.14E-10	7.49E-08	4.30E-09	7.65E-09	7.71E-11	1.20E-08	4.18E-09	6.58E-09	9.79E-11	1.09E-08	2.38E-09	3.63E-09	2.42E-11	6.03E-09
5573	741337.66	4112788.19	2.79E-08	4.69E-08	5.17E-10	7.53E-08	4.32E-09	7.69E-09	7.76E-11	1.21E-08	4.20E-09	6.62E-09	9.85E-11	1.09E-08	2.39E-09	3.65E-09	2.43E-11	6.06E-09
5574	741317.84	4112774.51	2.80E-08	4.71E-08	5.19E-10	7.57E-08	4.34E-09	7.73E-09	7.79E-11	1.21E-08	4.22E-09	6.65E-09	9.89E-11	1.10E-08	2.40E-09	3.67E-09	2.44E-11	6.09E-09
5575	741298.02	4112760.82	2.81E-08	4.73E-08	5.22E-10	7.60E-08	4.36E-09	7.76E-09	7.83E-11	1.22E-08	4.24E-09	6.68E-09	9.94E-11	1.10E-08	2.41E-09	3.68E-09	2.45E-11	6.12E-09
5576	741278.21	4112747.13	2.82E-08	4.75E-08	5.24E-10	7.63E-08	4.38E-09	7.79E-09	7.86E-11	1.23E-08	4.26E-09	6.71E-09	9.98E-11	1.11E-08	2.42E-09	3.70E-09	2.46E-11	6.14E-09
5577	741258.39	4112733.44	2.84E-08	4.78E-08	5.26E-10	7.67E-08	4.40E-09	7.83E-09	7.89E-11	1.23E-08	4.28E-09	6.74E-09	1.00E-10	1.11E-08	2.43E-09	3.72E-09	2.47E-11	6.17E-09
5578	741238.58	4112719.76	2.85E-08	4.80E-08	5.29E-10	7.70E-08	4.42E-09	7.87E-09	7.93E-11	1.24E-08	4.30E-09	6.77E-09	1.01E-10	1.12E-08	2.44E-09	3.73E-09	2.48E-11	6.20E-09
5579	741218.76	4112706.07	2.87E-08	4.83E-08	5.32E-10	7.75E-08	4.45E-09	7.91E-09	7.98E-11	1.24E-08	4.32E-09	6.81E-09	1.01E-10	1.12E-08	2.46E-09	3.76E-09	2.50E-11	6.24E-09
5580	741198.94	4112692.38	2.89E-08	4.86E-08	5.35E-10	7.79E-08	4.47E-09	7.96E-09	8.03E-11	1.25E-08	4.35E-09	6.85E-09	1.02E-10	1.13E-08	2.47E-09	3.78E-09	2.51E-11	6.28E-09
5581	741179.13	4112678.7	2.91E-08	4.89E-08	5.39E-10	7.85E-08	4.51E-09	8.02E-09	8.09E-11	1.26E-08	4.38E-09	6.90E-09	1.03E-10	1.14E-08	2.49E-09	3.81E-09	2.53E-11	6.32E-09
5582	741159.31	4112665.01	2.93E-08	4.93E-08	5.43E-10	7.91E-08	4.54E-09	8.08E-09	8.15E-11	1.27E-08	4.42E-09	6.95E-09	1.03E-10	1.15E-08	2.51E-09	3.84E-09	2.55E-11	6.37E-09
5583	741139.5	4112651.32	2.95E-08	4.97E-08	5.48E-10	7.98E-08	4.58E-09	8.15E-09	8.22E-11	1.28E-08	4.46E-09	7.01E-09	1.04E-10	1.16E-08	2.53E-09	3.87E-09	2.57E-11	6.43E-09
5584	741119.68	4112637.63	2.98E-08	5.02E-08	5.53E-10	8.06E-08	4.62E-09	8.23E-09	8.30E-11	1.29E-08	4.50E-09	7.08E-09	1.05E-10	1.17E-08	2.56E-09	3.91E-09	2.60E-11	6.49E-09
5585	741099.87	4112623.95	3.01E-08	5.07E-08	5.58E-10	8.13E-08	4.67E-09	8.30E-09	8.37E-11	1.31E-08	4.54E-09	7.15E-09	1.06E-10	1.18E-08	2.58E-09	3.94E-09	2.62E-11	6.55E-09
5586	741080.05	4112610.26	3.04E-08	5.11E-08	5.63E-10	8.20E-08	4.71E-09	8.38E-09	8.45E-11	1.32E-08	4.58E-09	7.21E-09	1.07E-10	1.19E-08	2.60E-09	3.98E-09	2.65E-11	6.61E-09
5587	741060.23	4112596.57	3.06E-08	5.15E-08	5.68E-10	8.27E-08	4.75E-09	8.45E-09	8.52E-11	1.33E-08	4.62E-09	7.27E-09	1.08E-10	1.20E-08	2.62E-09	4.01E-09	2.67E-11	6.66E-09
5588	741040.42	4112582.89	3.09E-08	5.19E-08	5.73E-10	8.34E-08	4.79E-09	8.52E-09	8.59E-11	1.34E-08	4.65E-09	7.33E-09	1.09E-10	1.21E-08	2.64E-09	4.04E-09	2.69E-11	6.71E-09
5589	741020.6	4112569.2	3.11E-08	5.23E-08	5.76E-10	8.39E-08	4.82E-09	8.57E-09	8.64E-11	1.35E-08	4.69E-09	7.38E-09	1.10E-10	1.22E-08	2.66E-09	4.07E-09	2.71E-11	6.76E-09
5590	741000.79	4112555.51	3.12E-08	5.26E-08	5.79E-10	8.44E-08	4.84E-09	8.62E-09	8.69E-11	1.35E-08	4.71E-09	7.42E-09	1.10E-10	1.22E-08	2.68E-09	4.09E-09	2.72E-11	6.79E-09
5591	740980.97	4112541.82	3.14E-08	5.28E-08	5.82E-10	8.47E-08	4.86E-09	8.65E-09	8.72E-11	1.36E-08	4.73E-09	7.44E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.73E-11	6.82E-09
5592	740961.15	4112528.14	3.14E-08	5.29E-08	5.83E-10	8.49E-08	4.87E-09	8.67E-09	8.74E-11	1.36E-08	4.74E-09	7.46E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.74E-11	6.83E-09
5593	740941.34	4112514.45	3.14E-08	5.29E-08	5.83E-10	8.49E-08	4.88E-09	8.67E-09	8.75E-11	1.36E-08	4.74E-09	7.46E-09	1.11E-10	1.23E-08	2.69E-09	4.12E-09	2.74E-11	6.84E-09
5594	740921.52	4112500.76	3.14E-08	5.28E-08	5.82E-10	8.48E-08	4.87E-09	8.66E-09	8.74E-11	1.36E-08	4.73E-09	7.45E-09	1.11E-10	1.23E-08	2.69E-09	4.11E-09	2.74E-11	6.83E-09
5595	740901.71	4112487.08	3.13E-08	5.27E-08	5.81E-10	8.45E-08	4.85E-09	8.63E-09	8.71E-11	1.36E-08	4.72E-09	7.43E-09	1.11E-10	1.23E-08	2.68E-09	4.10E-09	2.73E-11	6.81E-09
5596	740881.89	4112473.39	3.11E-08	5.24E-08	5.78E-10	8.41E-08	4.83E-09	8.59E-09	8.66E-11	1.35E-08	4.70E-09	7.39E-09	1.10E-10	1.22E-08	2.67E-09	4.08E-09	2.71E-11	6.77E-09
5597	740862.07	4112459.7	3.09E-08	5.21E-08	5.74E-10	8.36E-08	4.80E-09	8.53E-09	8.61E-11	1.34E-08	4.66E-09	7.34E-09	1.09E-10	1.21E-08	2.65E-09	4.05E-09	2.69E-11	6.73E-09
5598	740842.26	4112446.01	3.07E-08	5.16E-08	5.69E-10	8.29E-08	4.76E-09	8.47E-09	8.54E-11	1.33E-08	4.63E-09	7.28E-09	1.08E-10	1.20E-08	2.63E-09	4.02E-09	2.67E-11	6.67E-09
5599	740822.44	4112432.33	3.04E-08	5.12E-08	5.64E-10	8.21E-08	4.71E-09	8.39E-09	8.46E-11	1.32E-08	4.58E-09	7.22E-09	1.07E-10	1.19E-08	2.61E-09	3.98E-09	2.65E-11	6.61E-09
5600	740802.63	4112418.64	3.01E-08	5.07E-08	5.58E-10	8.13E-08	4.67E-09	8.31E-09	8.38E-11	1.31E-08	4.54E-09	7.15E-09	1.06E-10	1.18E-08	2.58E-09	3.94E-09	2.62E-11	6.55E-09
5601	740782.81	4112404.95	2.98E-08	5.02E-08	5.53E-10	8.05E-08	4.62E-09	8.22E-09	8.29E-11	1.29E-08	4.49E-09	7.08E-09	1.05E-10	1.17E-08	2.55E-09	3.90E-09	2.60E-11	6.48E-09
5602	740763	4112391.27	2.95E-08	4.97E-08	5.48E-10	7.98E-08	4.58E-09	8.15E-09	8.22E-11	1.28E-08	4.45E-09	7.01E-09	1.04E-10	1.16E-08	2.53E-09	3.87E-09	2.57E-11	6.42E-09
5603	740743.18	4112377.58	2.93E-08	4.93E-08	5.43E-10	7.91E-08	4.54E-09	8.08E-09	8.15E-11	1.27E-08	4.42E-09	6.95E-09	1.03E-10	1.15E-08	2.51E-09	3.83E-09	2.55E-11	6.37E-09
5604	740723.36	4112363.89	2.91E-08	4.90E-08	5.40E-10	7.86E-08	4.51E-09	8.03E-09	8.10E-11	1.26E-08	4.39E-09	6.91E-09	1.03E-10	1.14E-08	2.49E-09	3.81E-09	2.54E-11	6.33E-09
5605	740703.55	4112350.21	2.90E-08	4.88E-08	5.38E-10	7.83E-08	4.50E-09	8.00E-09	8.07E-11	1.26E-08	4.37E-09	6.88E-09	1.02E-10	1.14E-08	2.48E-09	3.80E-09	2.53E-11	6.31E-09
5606	740683.73	4112336.52	2.90E-08	4.88E-08	5.38E-10	7.83E-08	4.50E-09	8.00E-09	8.07E-11	1.26E-08	4.37E-09	6.88E-09	1.02E-10	1.14E-08	2.48E-09	3.80E-09	2.53E-11	6.31E-09
5607	740663.92	4112322.83	2.91E-08	4.90E-08	5.40E-10	7.86E-08	4.51E-09	8.03E-09	8.09E-11	1.26E-08	4.39E-09	6.91E-09	1.03E-10	1.14E-08	2.49E-09	3.81E-09	2.53E-11	6.33E-09
5608	740644.1	4112309.14	2.93E-08	4.93E-08	5.44E-10	7.92E-08	4.55E-09	8.09E-09	8.16E-11	1.27E-08	4.42E-09	6.96E-09	1.04E-10	1.15E-08	2.51E-09	3.84E-09	2.55E-11	6.38E-09
5609	740624.28	4112295.46	2.97E-08	4.99E-08	5.51E-10	8.02E-08	4.60E-09	8.19E-09	8.26E-11	1.29E-08	4.48E-09	7.05E-09	1.05E-10	1.16E-08	2.54E-09	3.89E-09	2.59E-11	6.46E-09
5610	740604.47	4112281.77	3.02E-08	5.08E-08	5.59E-10	8.15E-08	4.68E-09	8.32E-09	8.39E-11	1.31E-08	4.55E-09	7.16E-09	1.07E-10	1.18E-08	2.58E-09	3.95E-09	2.63E-11	6.56E-09
5611	740584.65	4112268.08	3.08E-08	5.18E-08	5.71E-10	8.31E-08	4.77E-09	8.49E-09	8.56E-11	1.33E-08	4.64E-09	7.30E-09	1.09E-10	1.20E-08	2.64E-09	4.03E-09	2.68E-11	6.69E-09
5612	740564.84	4112254.4	3.15E-08	5.29E-08	5.83E-10	8.50E-08	4.88E-09	8.68E-09	8.75E-11	1.36E-08	4.74E-09	7.47E-09	1.11E-10	1.23E-08	2.70E-09	4.12E-09	2.74E-11	6.84E-09
5613	740545.02	4112240.71	3.22E-08	5.42E-08	5.98E-10	8.70E-08	5.00E-09	8.89E-09	8.96E-11	1.40E-08	4.86E-09	7.65E-09	1.14E-10	1.26E-08	2.76E-09	4.22E-09	2.81E-11	7.01E-09
5614	740525.2	4112227.02	3.30E-08	5.56E-08	6.13E-10	8.92E-08	5.12E-09	9.11E-09	9.19E-11	1.43E-08	4.98E-09	7.84E-09	1.17E-10	1.29E-08	2.83E-09	4.33E-09	2.88E-11	7.18E-09
5615	740505.39	4112213.33	3.38E-08	5.70E-08	6.28E-10	9.14E-08	5.25E-09	9.34E-09	9.42E-11	1.47E-08	5.10E-09	8.04E-09	1.20E-10	1.33E-08	2.90E-09	4.43E-09	2.95E-11	7.36E-09
5616	740485.57	4112199.65	3.46E-08	5.83E-08	6.42E-10	9.36E-08	5.37E-09	9.56E-09	9.64E-11	1.50E-08	5.22E-09	8.22E-09	1.22E-10	1.36E-08	2.97E-09	4.54E-09	3.02E-11	7.53E-09
5617	740465.76	4112185.96	3.54E-08	5.95E-08	6.56E-10	9.55E-08	5.48E-09	9.76E-09	9.84E-11	1.53E-08	5.33E-09	8.40E-09	1.25E-10	1.39E-08	3.03E-09	4.63E-09	3.08E-11	7.69E-09
5618	740445.94	4112172.27	3.60E-08	6.06E-08	6.68E-10	9.73E-08	5.59E-09	9.94E-09	1.00E-10	1.56E-08	5.43E-09	8.55E-09	1.27E-10	1.41E-08	3.09E-09	4.72E-09	3.14E-11	7.83E-09
5619	740426.13	4112158.59	3.66E-08	6.16E-08	6.79E-10	9.89E-08	5.68E-09	1.01E-08	1.02E-10	1.59E-08	5.52E-09	8.69E-09	1.29E-10	1.43E-08	3.14E-09	4.79E-09	3.19E-11	7.96E-09
5620	740406.31	4112144.9	3.71E-08	6.24E-08	6.88E-10	1.00E-07	5.75E-09	1.02E-08	1.03E-10	1.61E-08	5.59E-09	8.80E-09	1.31E-10	1.45E-08	3.18E-09	4.86E-09	3.23E-11	8.07E-09
5621	740386.49	4112131.21	3.75E-08	6.31E-08	6.95E-10	1.01E-07	5.81E-09	1.03E-08	1.04E-10	1.63E-08	5.65E-09	8.90E-09	1.32E-10	1.47E-08	3.21E-09	4.91E-09	3.27E-11	8.15E-09
5622	740366.68	4112117.52	3.77E-08	6.35E-08	7.00E-10	1.02E-07	5.85E-09	1.04E-08	1.05E-10	1.64E-08	5.69E-09	8.96E-09	1.33E-10	1.48E-08	3.23E-09	4.94E-09	3.29E-11	8.21E-09
5623	740346.86	4112103.84	3.79E-08	6.37E-08	7.03E-10	1.02E-07	5.87E-09	1.05E-08	1.05E-10	1.64E-08	5.71E-09	8.99E-09	1.34E-10	1.48E-08	3.25E-09	4.96E-09	3.30E-11	8.24E-09
5624	740327.05	4112090.15	3.80E-08	6.39E-08	7.04E-10	1.03E-07	5.89E-09	1.05E-08	1.06E-10	1.65E-08	5.72E-09	9.01E-09	1.34E-10	1.49E-08	3.25E-09	4.97E-09	3.31E-11	8.26E-09
5625	740307.23	4112076.46	3.80E-08	6.39E-08	7.05E-10	1.03E-07	5.89E-09	1.05E-08	1.06E-10	1.65E-08	5.73E-09	9.02E-09	1.34E-10	1.49E-08	3.26E-09	4.97E-09	3.31E-11	8.26E-09
5626	740287.41	4112062.78	3.80E-08	6.39E-08	7.05E-10	1.03E-07	5.89E-09	1.05E-08	1.06E-10	1.65E-08	5.73E-09	9.02E-09	1.34E-10	1.49E-08	3.26E-09	4.98E-09	3.31E-11	8.26E-09
5627	740267.6	4112049.09	3.80E-08	6.39E-08	7.05E-10	1.03E-07	5.89E-09	1.05E-08	1.06E-10	1.65E-08	5.73E-09	9.02E-09	1.34E-10	1.49E-08	3.26E-09	4.98E-09	3.31E-11	8.26E-09
5628	740247.78	4112035.4	3.80E-08	6.40E-08	7.05E-10	1.03E-07	5.90E-09	1.05E-08	1.06E-10	1.65E-08	5.73E-09	9.03E-09	1.34E-10	1.49E-08	3.26E-09	4.98E-09	3.31E-11	8.27E-09

5629	740227.97	4112021.72	3.81E-08	6.41E-08	7.07E-10	1.03E-07	5.91E-09	1.05E-08	1.06E-10	1.65E-08	5.75E-09	9.05E-09	1.35E-10	1.49E-08	3.27E-09	4.99E-09	3.32E-11	8.29E-09
5630	740208.15	4112008.03	3.83E-08	6.44E-08	7.10E-10	1.03E-07	5.93E-09	1.06E-08	1.06E-10	1.66E-08	5.77E-09	9.08E-09	1.35E-10	1.50E-08	3.28E-09	5.01E-09	3.33E-11	8.32E-09
5631	740188.33	4111994.34	3.85E-08	6.48E-08	7.14E-10	1.04E-07	5.97E-09	1.06E-08	1.07E-10	1.67E-08	5.80E-09	9.14E-09	1.36E-10	1.51E-08	3.30E-09	5.04E-09	3.35E-11	8.37E-09
5632	740168.52	4111980.65	3.88E-08	6.53E-08	7.20E-10	1.05E-07	6.02E-09	1.07E-08	1.08E-10	1.68E-08	5.85E-09	9.21E-09	1.37E-10	1.52E-08	3.33E-09	5.08E-09	3.38E-11	8.44E-09
5633	740148.7	4111966.97	3.92E-08	6.60E-08	7.28E-10	1.06E-07	6.08E-09	1.08E-08	1.09E-10	1.70E-08	5.92E-09	9.31E-09	1.39E-10	1.54E-08	3.36E-09	5.14E-09	3.42E-11	8.53E-09
5634	740128.89	4111953.28	3.97E-08	6.69E-08	7.37E-10	1.07E-07	6.16E-09	1.10E-08	1.11E-10	1.72E-08	5.99E-09	9.43E-09	1.40E-10	1.56E-08	3.40E-09	5.20E-09	3.46E-11	8.64E-09
5635	740109.07	4111939.59	4.03E-08	6.79E-08	7.48E-10	1.09E-07	6.25E-09	1.11E-08	1.12E-10	1.75E-08	6.08E-09	9.57E-09	1.42E-10	1.58E-08	3.46E-09	5.28E-09	3.51E-11	8.77E-09
5636	740089.25	4111925.91	4.10E-08	6.90E-08	7.60E-10	1.11E-07	6.36E-09	1.13E-08	1.14E-10	1.78E-08	6.18E-09	9.73E-09	1.45E-10	1.61E-08	3.51E-09	5.37E-09	3.57E-11	8.92E-09
5637	740069.44	4111912.22	4.17E-08	7.02E-08	7.74E-10	1.13E-07	6.47E-09	1.15E-08	1.16E-10	1.81E-08	6.29E-09	9.90E-09	1.47E-10	1.63E-08	3.57E-09	5.46E-09	3.63E-11	9.07E-09
5638	740049.62	4111898.53	4.25E-08	7.15E-08	7.88E-10	1.15E-07	6.59E-09	1.17E-08	1.18E-10	1.84E-08	6.40E-09	1.01E-08	1.50E-10	1.66E-08	3.64E-09	5.56E-09	3.70E-11	9.24E-09
5639	740029.81	4111884.84	4.32E-08	7.28E-08	8.02E-10	1.17E-07	6.70E-09	1.19E-08	1.20E-10	1.88E-08	6.52E-09	1.03E-08	1.53E-10	1.69E-08	3.70E-09	5.66E-09	3.77E-11	9.40E-09
5640	740009.99	4111871.16	4.40E-08	7.40E-08	8.16E-10	1.19E-07	6.82E-09	1.21E-08	1.22E-10	1.91E-08	6.63E-09	1.04E-08	1.55E-10	1.72E-08	3.77E-09	5.76E-09	3.83E-11	9.57E-09
5641	739990.18	4111857.47	4.47E-08	7.52E-08	8.29E-10	1.21E-07	6.93E-09	1.23E-08	1.24E-10	1.94E-08	6.74E-09	1.06E-08	1.58E-10	1.75E-08	3.83E-09	5.85E-09	3.89E-11	9.72E-09
5642	739970.36	4111843.78	4.54E-08	7.64E-08	8.42E-10	1.23E-07	7.04E-09	1.25E-08	1.26E-10	1.97E-08	6.84E-09	1.08E-08	1.60E-10	1.78E-08	3.89E-09	5.94E-09	3.95E-11	9.87E-09
5643	739950.54	4111830.1	4.60E-08	7.74E-08	8.53E-10	1.24E-07	7.13E-09	1.27E-08	1.28E-10	1.99E-08	6.93E-09	1.09E-08	1.62E-10	1.80E-08	3.94E-09	6.02E-09	4.00E-11	1.00E-08
5644	739930.73	4111816.41	4.65E-08	7.82E-08	8.62E-10	1.26E-07	7.21E-09	1.28E-08	1.29E-10	2.02E-08	7.01E-09	1.10E-08	1.64E-10	1.82E-08	3.98E-09	6.09E-09	4.05E-11	1.01E-08
5645	739910.91	4111802.72	4.70E-08	7.90E-08	8.71E-10	1.27E-07	7.28E-09	1.30E-08	1.31E-10	2.04E-08	7.08E-09	1.11E-08	1.66E-10	1.84E-08	4.02E-09	6.15E-09	4.09E-11	1.02E-08
5646	739891.1	4111789.03	4.74E-08	7.97E-08	8.78E-10	1.28E-07	7.34E-09	1.31E-08	1.32E-10	2.05E-08	7.14E-09	1.12E-08	1.67E-10	1.86E-08	4.06E-09	6.20E-09	4.13E-11	1.03E-08
5647	739871.28	4111775.35	4.77E-08	8.02E-08	8.84E-10	1.29E-07	7.39E-09	1.32E-08	1.33E-10	2.07E-08	7.19E-09	1.13E-08	1.68E-10	1.87E-08	4.09E-09	6.24E-09	4.15E-11	1.04E-08
5648	739851.46	4111761.66	4.80E-08	8.07E-08	8.89E-10	1.30E-07	7.44E-09	1.32E-08	1.33E-10	2.08E-08	7.23E-09	1.14E-08	1.69E-10	1.88E-08	4.11E-09	6.28E-09	4.18E-11	1.04E-08
5649	739831.65	4111747.97	4.82E-08	8.11E-08	8.93E-10	1.30E-07	7.47E-09	1.33E-08	1.34E-10	2.09E-08	7.26E-09	1.14E-08	1.70E-10	1.89E-08	4.13E-09	6.31E-09	4.20E-11	1.05E-08
5650	739811.83	4111734.29	4.83E-08	8.13E-08	8.96E-10	1.31E-07	7.49E-09	1.33E-08	1.34E-10	2.10E-08	7.29E-09	1.15E-08	1.71E-10	1.89E-08	4.14E-09	6.33E-09	4.21E-11	1.05E-08
5651	739792.02	4111720.6	4.84E-08	8.15E-08	8.98E-10	1.31E-07	7.51E-09	1.34E-08	1.35E-10	2.10E-08	7.30E-09	1.15E-08	1.71E-10	1.90E-08	4.15E-09	6.34E-09	4.22E-11	1.05E-08
5652	739772.2	4111706.91	4.85E-08	8.16E-08	8.99E-10	1.31E-07	7.52E-09	1.34E-08	1.35E-10	2.10E-08	7.31E-09	1.15E-08	1.71E-10	1.90E-08	4.16E-09	6.35E-09	4.22E-11	1.05E-08
5653	739752.38	4111693.23	4.85E-08	8.16E-08	9.00E-10	1.31E-07	7.52E-09	1.34E-08	1.35E-10	2.10E-08	7.32E-09	1.15E-08	1.71E-10	1.90E-08	4.16E-09	6.35E-09	4.23E-11	1.06E-08
5654	739732.57	4111679.54	4.85E-08	8.16E-08	8.99E-10	1.31E-07	7.52E-09	1.34E-08	1.35E-10	2.10E-08	7.31E-09	1.15E-08	1.71E-10	1.90E-08	4.15E-09	6.35E-09	4.22E-11	1.05E-08
5655	739712.75	4111665.85	4.84E-08	8.15E-08	8.98E-10	1.31E-07	7.51E-09	1.34E-08	1.35E-10	2.10E-08	7.30E-09	1.15E-08	1.71E-10	1.90E-08	4.15E-09	6.34E-09	4.22E-11	1.05E-08
5656	739692.94	4111652.16	4.83E-08	8.12E-08	8.95E-10	1.30E-07	7.48E-09	1.33E-08	1.34E-10	2.09E-08	7.28E-09	1.15E-08	1.71E-10	1.89E-08	4.14E-09	6.32E-09	4.20E-11	1.05E-08
5657	739673.12	4111638.48	4.81E-08	8.09E-08	8.92E-10	1.30E-07	7.46E-09	1.33E-08	1.34E-10	2.09E-08	7.25E-09	1.14E-08	1.70E-10	1.88E-08	4.12E-09	6.30E-09	4.19E-11	1.05E-08
5658	743433.84	4112414.77	1.39E-08	2.34E-08	2.58E-10	3.75E-08	2.16E-09	3.83E-09	3.87E-11	6.03E-09	2.10E-09	3.30E-09	4.91E-11	5.44E-09	1.19E-09	1.82E-09	1.21E-11	3.02E-09
5659	743453.95	4112401.28	1.37E-08	2.31E-08	2.55E-10	3.71E-08	2.13E-09	3.79E-09	3.82E-11	5.96E-09	2.07E-09	3.26E-09	4.85E-11	5.38E-09	1.18E-09	1.80E-09	1.20E-11	2.99E-09
5660	743474.06	4112387.78	1.35E-08	2.28E-08	2.51E-10	3.66E-08	2.10E-09	3.74E-09	3.77E-11	5.87E-09	2.04E-09	3.22E-09	4.78E-11	5.31E-09	1.16E-09	1.77E-09	1.18E-11	2.95E-09
5661	743494.17	4112374.29	1.34E-08	2.25E-08	2.48E-10	3.61E-08	2.07E-09	3.69E-09	3.72E-11	5.79E-09	2.01E-09	3.17E-09	4.72E-11	5.23E-09	1.14E-09	1.75E-09	1.16E-11	2.91E-09
5662	743514.28	4112360.8	1.32E-08	2.21E-08	2.44E-10	3.55E-08	2.04E-09	3.63E-09	3.66E-11	5.71E-09	1.98E-09	3.12E-09	4.65E-11	5.15E-09	1.13E-09	1.72E-09	1.15E-11	2.86E-09
5663	743534.39	4112347.31	1.30E-08	2.18E-08	2.41E-10	3.50E-08	2.01E-09	3.58E-09	3.61E-11	5.63E-09	1.96E-09	3.08E-09	4.58E-11	5.08E-09	1.11E-09	1.70E-09	1.13E-11	2.82E-09
5664	743554.5	4112333.82	1.28E-08	2.15E-08	2.37E-10	3.46E-08	1.98E-09	3.53E-09	3.56E-11	5.55E-09	1.93E-09	3.04E-09	4.52E-11	5.01E-09	1.10E-09	1.68E-09	1.11E-11	2.78E-09
5665	743574.61	4112320.32	1.26E-08	2.13E-08	2.35E-10	3.42E-08	1.96E-09	3.49E-09	3.52E-11	5.48E-09	1.91E-09	3.00E-09	4.47E-11	4.95E-09	1.08E-09	1.66E-09	1.10E-11	2.75E-09
5666	743594.72	4112306.83	1.22E-08	2.06E-08	2.27E-10	3.31E-08	1.90E-09	3.38E-09	3.41E-11	5.31E-09	1.85E-09	2.91E-09	4.33E-11	4.80E-09	1.05E-09	1.60E-09	1.07E-11	2.66E-09
5667	743614.83	4112293.34	1.21E-08	2.04E-08	2.25E-10	3.28E-08	1.88E-09	3.35E-09	3.37E-11	5.26E-09	1.83E-09	2.88E-09	4.28E-11	4.75E-09	1.04E-09	1.59E-09	1.06E-11	2.64E-09
5668	743634.94	4112279.85	1.21E-08	2.03E-08	2.24E-10	3.26E-08	1.87E-09	3.33E-09	3.36E-11	5.24E-09	1.82E-09	2.87E-09	4.27E-11	4.73E-09	1.04E-09	1.58E-09	1.05E-11	2.63E-09
5669	743655.05	4112266.35	1.21E-08	2.04E-08	2.25E-10	3.27E-08	1.88E-09	3.34E-09	3.37E-11	5.26E-09	1.83E-09	2.88E-09	4.28E-11	4.75E-09	1.04E-09	1.59E-09	1.06E-11	2.64E-09
5670	743675.16	4112252.86	1.23E-08	2.07E-08	2.28E-10	3.32E-08	1.90E-09	3.39E-09	3.42E-11	5.33E-09	1.85E-09	2.92E-09	4.34E-11	4.81E-09	1.05E-09	1.61E-09	1.07E-11	2.67E-09
5671	743695.27	4112239.37	1.25E-08	2.11E-08	2.32E-10	3.38E-08	1.94E-09	3.46E-09	3.48E-11	5.43E-09	1.89E-09	2.97E-09	4.42E-11	4.91E-09	1.07E-09	1.64E-09	1.09E-11	2.72E-09
5672	743633.09	4112751.54	1.19E-08	2.00E-08	2.20E-10	3.20E-08	1.84E-09	3.27E-09	3.30E-11	5.14E-09	1.79E-09	2.82E-09	4.19E-11	4.65E-09	1.02E-09	1.55E-09	1.03E-11	2.58E-09
5673	743609.48	4112756.14	1.20E-08	2.02E-08	2.23E-10	3.25E-08	1.87E-09	3.32E-09	3.35E-11	5.22E-09	1.81E-09	2.86E-09	4.25E-11	4.71E-09	1.03E-09	1.58E-09	1.05E-11	2.62E-09
5674	743585.87	4112760.74	1.22E-08	2.05E-08	2.26E-10	3.29E-08	1.89E-09	3.36E-09	3.39E-11	5.28E-09	1.84E-09	2.89E-09	4.30E-11	4.77E-09	1.04E-09	1.59E-09	1.06E-11	2.65E-09
5675	743562.25	4112765.34	1.23E-08	2.07E-08	2.28E-10	3.32E-08	1.91E-09	3.39E-09	3.42E-11	5.33E-09	1.85E-09	2.92E-09	4.34E-11	4.81E-09	1.05E-09	1.61E-09	1.07E-11	2.67E-09
5676	743538.64	4112769.94	1.24E-08	2.08E-08	2.29E-10	3.34E-08	1.92E-09	3.41E-09	3.44E-11	5.36E-09	1.86E-09	2.93E-09	4.37E-11	4.84E-09	1.06E-09	1.62E-09	1.08E-11	2.69E-09
5677	743515.03	4112774.55	1.24E-08	2.09E-08	2.30E-10	3.35E-08	1.92E-09	3.42E-09	3.45E-11	5.38E-09	1.87E-09	2.94E-09	4.38E-11	4.86E-09	1.06E-09	1.62E-09	1.08E-11	2.70E-09
5678	743491.42	4112779.15	1.24E-08	2.09E-08	2.30E-10	3.35E-08	1.92E-09	3.42E-09	3.45E-11	5.38E-09	1.87E-09	2.95E-09	4.38E-11	4.86E-09	1.06E-09	1.62E-09	1.08E-11	2.70E-09
5679	743467.8	4112783.75	1.24E-08	2.08E-08	2.30E-10	3.34E-08	1.92E-09	3.42E-09	3.45E-11	5.37E-09	1.87E-09	2.94E-09	4.37E-11	4.85E-09	1.06E-09	1.62E-09	1.08E-11	2.69E-09
5680	743444.19	4112788.35	1.23E-08	2.07E-08	2.29E-10	3.33E-08	1.91E-09	3.40E-09	3.43E-11	5.35E-09	1.86E-09	2.93E-09	4.35E-11	4.83E-09	1.06E-09	1.61E-09	1.07E-11	2.68E-09
5681	743420.58	4112792.95	1.22E-08	2.06E-08	2.27E-10	3.31E-08	1.90E-09	3.38E-09	3.41E-11	5.31E-09	1.85E-09	2.91E-09	4.33E-11	4.80E-09	1.05E-09	1.60E-09	1.07E-11	2.66E-09
5682	743396.97	4112797.55	1.21E-08	2.04E-08	2.25E-10	3.28E-08	1.88E-09	3.35E-09	3.38E-11	5.27E-09	1.83E-09	2.88E-09	4.29E-11	4.76E-09	1.04E-09	1.59E-09	1.06E-11	2.64E-09
5683	743373.36	4112802.16	1.21E-08	2.03E-08	2.24E-10	3.27E-08	1.87E-09	3.33E-09	3.36E-11	5.24E-09	1.82E-09	2.87E-09	4.27E-11	4.74E-09	1.04E-09	1.58E-09	1.05E-11	2.63E-09
5684	743349.74	4112806.76	1.20E-08	2.02E-08	2.23E-10	3.24E-08	1.86E-09	3.31E-09	3.34E-11	5.21E-09	1.81E-09	2.85E-09	4.24E-11	4.71E-09	1.03E-09	1.57E-09	1.05E-11	2.61E-09
5685	743326.13	4112811.36	1.19E-08	2.01E-08	2.22E-10	3.23E-08	1.85E-09	3.30E-09	3.32E-11	5.18E-09	1.80E-09	2.84E-09	4.22E-11	4.68E-09	1.02E-09	1.56E-09	1.04E-11	2.60E-09
5686	743302.52	4112815.96	1.19E-08	2.00E-08	2.20E-10	3.21E-08	1.84E-09	3.28E-09	3.30E-11	5.15E-09	1.79E-09	2.82E-09	4.20E-11	4.65E-09	1.02E-09	1.56E-09	1.03E-11	2.58E-09
5687	743278.91	4112820.56	1.18E-08	1.99E-08	2.19E-10	3.19E-08	1.83E-09	3.26E-09	3.29E-11	5.13E-09	1.78E-09	2.81E-09	4.18E-11	4.63E-09	1.01E-09	1.55E-09	1.03E-11	2.57E-09
5688	743255.29	4112825.16	1.18E-08	1.98E-08	2.19E-10	3.19E-08	1.83E-09	3.25E-09	3.28E-11	5.12E-09	1.78E-09	2.80E-09	4.17E-11	4.62E-09	1.01E-09	1.54E-09	1.03E-11	2.56E-09
5689	743231.68	4112829.77	1.18E-08	1.98E-08	2.19E-10	3.18E-08	1.83E-09	3.25E-09	3.28E-11	5.11E-09	1.78E-09	2.80E-09	4.16E-11	4.62E-09	1.01E-09	1.54E-09	1.03E-11	2.56E-09
5690	743208.07	4112834.37	1.18E-08	1.98E-08	2.19E-10	3.19E-08	1.83E-09	3.25E-09	3.28E-11	5.12E-09	1.78E-09	2.80E-09	4.17E-11	4.62E-09	1.01E-09	1.54E-09	1.03E-11	2.56E-09
5691	743184.46	4112838.97	1.18E-08	1.99E-08	2.19E-10	3.19E-08	1.83E-09	3.26E-09	3.29E-11	5.13E-09	1.78E-09	2.81E-09	4.18E-11	4.63E-09	1.01E-09	1.55E-09	1.03E-11	2.57E-09
5692	743160.84	4112843.57	1.19E-08	2.00E-08	2.20E-10	3.21E-08	1.84E-09	3.28E-09	3.31E-11	5.16E-09	1.79E-09	2.82E-09	4.20E-11	4.66E-09	1.02E-09	1.56E-09	1.04E-11	2.59E-09
5693	743137.23	4112848.17	1.20E-08	2.01E-08	2.22E-10	3.23E-08	1.86E-09	3.30E-09	3.33E-11	5.19E-09	1.81E-09	2.84E-09	4.23E-11	4.69E-09	1.03E-09	1.57E-09	1.04E-11	2.60E-09
5694	743113.62	4112852.78	1.21E-08	2.03E-08	2.24E-10	3.26E-08	1.87E-09	3.33E-09	3.36E-11	5.24E-09	1.82E-09	2.87E-09	4.27E-11	4.73E-09	1.04E-09	1.58E-09	1.05E-11	2.63E-09
5695	743090.01	4112857.38	1.22E-08	2.05E-08	2.26E-10	3.30E-08	1.89E-09	3.37E-09	3.40E-11	5.29E-09	1.84E-09	2.90E-09	4.31E-11	4.78E-09	1.05E-09	1.60E-09	1.06E-11	2.65E-09
5696	743066.39	4112861.98	1.24E-08	2.08E-08	2.29E-10	3.34E-08	1.92E-09	3.41E-09	3.44E-11	5.36E-09	1.86E-09	2.93E-09	4.37E-11	4.84E-09	1.06E-09	1.62E-09	1.08E-11	2.69E-09
5697	743042.78	4112866.58	1.25E-08	2.11E-08	2.32E-10	3.39E-08	1.94E-09	3.46E-09	3.49E-11	5.44E-09	1.89E-09	2.98E-09	4.43E-11	4.91E-09	1.07E-09	1.64E-09	1.09E-11	2.73E-09
5698	743019.17	4112871.18	1.27E-08	2.14E-08	2.36E-10	3.44E-08	1.98E-09	3.51E-09	3.54E-11	5.52E-09	1.92E-09	3.02E-09	4.50E-11	4.99E-09	1.09E-09	1.67E-09	1.11E-11	2.77E-09
5699	742995.56	4112875.78	1.30E-08	2.18E-08	2.40E-10	3.50E-08	2.01E-09	3.57E-09	3.60E-11	5.62E-09	1.95E-09	3.08E-09	4.58E-11	5.07E-09	1.11E-09	1.70E-09	1.13E-11	2.82E-09
5700	742971.95	4112880.39	1.32E-08	2.22E-08	2.45E-10	3.57E-08	2.05E-09	3.64E-09	3.67E-11	5.72E-09	1.99E-09	3.13E-09	4.66E-11	5.17E-09	1.13E-09	1.73E-09	1.15E-11	2.87E-09
5701	742948.33	4112884.99	1.35E-08	2.27E-08	2.50E-10	3.64E-08	2.09E-09	3.72E-09	3.75E-11	5.84E-09	2.03E-09	3.20E-09	4.76E-11	5.28E-09	1.15E-09	1.76E-09	1.17E-11	2.93E-09
5702	742924.72	4112889.59	1.38E-08	2.32E-08	2.55E-10	3.72E-08	2.13E-09	3.80E-09	3.83E-11	5.97E-09	2.08E-09	3.27E-09	4.86E-11	5.39E-09	1.18E-09	1.80E-09	1.20E-11	2.99E-09
5703	742901.11	4112894.19	1.41E-08	2.37E-08	2.61E-10	3.80E-08	2.18E-09	3.88E-09	3.92E-11	6.10E-09	2.12E-09	3.34E-09	4.97E-11	5.51E-09	1.21E-09	1.84E-09	1.23E-11	3.06E-09
5704	742877.5	4112898.79	1.44E-08	2.43E-08	2.67E-10	3.89E-08	2.23E-09	3.98E-09	4.01E-11	6.25E-09	2.17E-09	3.42E-09	5.09E-11	5.65E-09	1.23E-09	1.89E-09	1.26E-11	3.13E-09
5705	742853.88	4112903.39	1.48E-08	2.48E-08	2.74E-10	3.99E-08	2.29E-09	4.07E-09	4.11E-11	6.40E-09	2.23E-09	3.51E-09	5.22E-11	5.78E-09	1.27E-09	1.93E-09	1.29E-11	3.21E-09
5706	742830.27	4112908	1.51E-08	2.55E-08	2.81E-10	4.09E-08	2.35E-09	4.18E-09	4.21E-11	6.57E-09	2.28E-09	3.60E-09	5.35E-11	5.93E-09	1.30E-09	1.98E-09	1.32E-11	3.29E-09
5707	742806.66	4112912.6	1.55E-08	2.61E-08	2.88E-10	4.20E-08	2.41E-09	4.29E-09	4.32E-11	6.74E-09	2.34E-09	3.69E-09	5.49E-11	6.09E-09	1.33E-09	2.03E-09	1.35E-11	3.38E-09
5708	742783.05	4112917.2	1.59E-08	2.68E-08	2.96E-10	4.30E-08	2.47E-09	4.40E-09	4.43E-11	6.91E-09	2.40E-09	3.78E-09	5.63E-11	6.24E-09	1.37E-09	2.09E-09	1.39E-11	3.47E-09
5709	742759.43	4112921.8	1.63E-08	2.75E-08	3.03E-10	4.41E-08	2.53E-09	4.51E-09	4.55E-11	7.09E-09	2.46E-09	3.88E-09	5.77E-11	6.40E-09	1.40E-09	2.14E-09	1.42E-11	3.55E-09
5710	742735.82	4112926.4	1.67E-08	2.82E-08	3.11E-10	4.52E-08	2.60E-09	4.62E-09	4.66E-11	7.26E-09	2.52E-09	3.97E-09	5.91E-11	6.56E-09	1.43E-09	2.19E-09	1.46E-11	3.64E-09
5711	742712.21	4112931	1.71E-08	2.88E-08	3.18E-10	4.63E-08	2.66E-09	4.73E-09	4.77E-11	7.43E-09	2.58E-09	4.07E-09	6.05E-11	6.71E-09	1.47E-09	2.24E-09	1.49E-11	3.73E-09
5712	742688.6	4112935.61	1.75E-08	2.94E-08	3.25E-10	4.73E-08	2.71E-09	4.83E-09	4.87E-11	7.59E-09	2.64E-09	4.15E-09	6.18E-11	6.86E-09	1.50E-09	2.29E-09	1.52E-11	3.81E-09
5713	742664.99	4112940.21	1.78E-08	3.00E-08	3.31E-10	4.82E-08	2.77E-09	4.92E-09	4.96E-11	7.74E-09	2.69E-09	4.23E-09	6.30E-11	6.99E-09	1.53E-09	2.34E-09	1.55E-11	3.88E-09
5714	742641.37	4112944.81	1.81E-08	3.05E-08	3.36E-10	4.90E-08	2.81E-09	5.00E-09	5.04E-11	7.86E-09	2.73E-09	4.30E-09	6.40E-11	7.10E-09	1.55E-09	2.37E-09	1.58E-11	3.94E-09
5715	742617.76	4112949.41	1.84E-08	3.10E-08	3.41E-10	4.97E-08	2.85E-09	5.08E-09	5.12E-11	7.98E-09	2.77E-09	4.37E-09	6.50E-11	7.21E-09	1.58E-09	2.41E-09	1.60E-11	4.00E-09
5716	742594.15	4112954.01	1.86E-08	3.13E-08	3.45E-10	5.03E-08	2.89E-09	5.13E-09	5.18E-11	8.07E-09	2.81E-09	4.42E-09	6.57E-11	7.29E-09	1.59E-09	2.44E-09	1.62E-11	4.05E-09

5717	742570.54	4112958.62	1.88E-08	3.16E-08	3.48E-10	5.07E-08	2.91E-09	5.18E-09	5.22E-11	8.15E-09	2.83E-09	4.46E-09	6.63E-11	7.36E-09	1.61E-09	2.46E-09	1.64E-11	4.08E-09
5718	742546.92	4112963.22	1.89E-08	3.18E-08	3.51E-10	5.10E-08	2.93E-09	5.21E-09	5.26E-11	8.20E-09	2.85E-09	4.49E-09	6.68E-11	7.40E-09	1.62E-09	2.47E-09	1.65E-11	4.11E-09
5719	742523.31	4112967.82	1.90E-08	3.19E-08	3.52E-10	5.13E-08	2.94E-09	5.24E-09	5.28E-11	8.23E-09	2.86E-09	4.51E-09	6.71E-11	7.44E-09	1.63E-09	2.49E-09	1.65E-11	4.13E-09
5720	742499.7	4112972.42	1.90E-08	3.20E-08	3.53E-10	5.14E-08	2.95E-09	5.25E-09	5.29E-11	8.25E-09	2.87E-09	4.51E-09	6.72E-11	7.45E-09	1.63E-09	2.49E-09	1.66E-11	4.14E-09
5721	742476.09	4112977.02	1.90E-08	3.20E-08	3.53E-10	5.13E-08	2.95E-09	5.24E-09	5.29E-11	8.24E-09	2.87E-09	4.51E-09	6.71E-11	7.45E-09	1.63E-09	2.49E-09	1.66E-11	4.13E-09
5722	742452.47	4112981.62	1.90E-08	3.19E-08	3.52E-10	5.13E-08	2.94E-09	5.23E-09	5.28E-11	8.23E-09	2.86E-09	4.50E-09	6.70E-11	7.43E-09	1.63E-09	2.48E-09	1.65E-11	4.13E-09
5723	742428.86	4112986.23	1.89E-08	3.18E-08	3.51E-10	5.11E-08	2.93E-09	5.22E-09	5.26E-11	8.21E-09	2.85E-09	4.49E-09	6.68E-11	7.41E-09	1.62E-09	2.48E-09	1.65E-11	4.12E-09
5724	742405.25	4112990.83	1.88E-08	3.17E-08	3.50E-10	5.09E-08	2.92E-09	5.20E-09	5.24E-11	8.18E-09	2.84E-09	4.47E-09	6.66E-11	7.38E-09	1.61E-09	2.47E-09	1.64E-11	4.10E-09
5725	742381.64	4112995.43	1.88E-08	3.16E-08	3.48E-10	5.07E-08	2.91E-09	5.18E-09	5.22E-11	8.14E-09	2.83E-09	4.46E-09	6.63E-11	7.35E-09	1.61E-09	2.46E-09	1.64E-11	4.08E-09
5726	742358.03	4113000.03	1.87E-08	3.14E-08	3.47E-10	5.05E-08	2.90E-09	5.16E-09	5.20E-11	8.11E-09	2.82E-09	4.44E-09	6.60E-11	7.32E-09	1.60E-09	2.45E-09	1.63E-11	4.06E-09
5727	742334.41	4113004.63	1.86E-08	3.13E-08	3.45E-10	5.03E-08	2.89E-09	5.13E-09	5.18E-11	8.07E-09	2.81E-09	4.42E-09	6.57E-11	7.29E-09	1.59E-09	2.44E-09	1.62E-11	4.05E-09
5728	742310.8	4113009.23	1.85E-08	3.12E-08	3.44E-10	5.01E-08	2.87E-09	5.11E-09	5.16E-11	8.04E-09	2.80E-09	4.40E-09	6.55E-11	7.26E-09	1.59E-09	2.43E-09	1.61E-11	4.03E-09
5729	742287.19	4113013.84	1.85E-08	3.11E-08	3.43E-10	4.99E-08	2.87E-09	5.10E-09	5.14E-11	8.01E-09	2.79E-09	4.39E-09	6.53E-11	7.24E-09	1.58E-09	2.42E-09	1.61E-11	4.02E-09
5730	742263.58	4113018.44	1.84E-08	3.10E-08	3.42E-10	4.98E-08	2.86E-09	5.09E-09	5.13E-11	8.00E-09	2.78E-09	4.38E-09	6.51E-11	7.22E-09	1.58E-09	2.41E-09	1.61E-11	4.01E-09
5731	742239.96	4113023.04	1.84E-08	3.10E-08	3.42E-10	4.98E-08	2.86E-09	5.08E-09	5.12E-11	7.99E-09	2.78E-09	4.37E-09	6.51E-11	7.21E-09	1.58E-09	2.41E-09	1.60E-11	4.01E-09
5732	742216.35	4113027.64	1.84E-08	3.10E-08	3.41E-10	4.97E-08	2.85E-09	5.08E-09	5.12E-11	7.99E-09	2.78E-09	4.37E-09	6.50E-11	7.21E-09	1.58E-09	2.41E-09	1.60E-11	4.00E-09
5733	742192.74	4113032.24	1.84E-08	3.10E-08	3.42E-10	4.98E-08	2.86E-09	5.08E-09	5.13E-11	7.99E-09	2.78E-09	4.37E-09	6.51E-11	7.22E-09	1.58E-09	2.41E-09	1.61E-11	4.01E-09
5734	742169.13	4113036.84	1.85E-08	3.11E-08	3.43E-10	4.99E-08	2.86E-09	5.10E-09	5.14E-11	8.01E-09	2.78E-09	4.38E-09	6.52E-11	7.23E-09	1.58E-09	2.42E-09	1.61E-11	4.02E-09
5735	742145.51	4113041.45	1.85E-08	3.12E-08	3.44E-10	5.01E-08	2.87E-09	5.11E-09	5.16E-11	8.04E-09	2.80E-09	4.40E-09	6.55E-11	7.26E-09	1.59E-09	2.43E-09	1.61E-11	4.03E-09
5736	742121.9	4113046.05	1.86E-08	3.13E-08	3.45E-10	5.03E-08	2.89E-09	5.14E-09	5.18E-11	8.08E-09	2.81E-09	4.42E-09	6.58E-11	7.29E-09	1.60E-09	2.44E-09	1.62E-11	4.05E-09
5737	742098.29	4113050.65	1.87E-08	3.15E-08	3.47E-10	5.06E-08	2.90E-09	5.17E-09	5.21E-11	8.12E-09	2.82E-09	4.45E-09	6.62E-11	7.34E-09	1.60E-09	2.45E-09	1.63E-11	4.07E-09
5738	742074.68	4113055.25	1.89E-08	3.17E-08	3.50E-10	5.09E-08	2.92E-09	5.20E-09	5.25E-11	8.18E-09	2.84E-09	4.48E-09	6.66E-11	7.39E-09	1.62E-09	2.47E-09	1.64E-11	4.10E-09
5739	742051.07	4113059.85	1.90E-08	3.20E-08	3.53E-10	5.13E-08	2.95E-09	5.24E-09	5.29E-11	8.24E-09	2.87E-09	4.51E-09	6.71E-11	7.45E-09	1.63E-09	2.49E-09	1.66E-11	4.13E-09
5740	742027.45	4113064.46	1.92E-08	3.23E-08	3.56E-10	5.18E-08	2.97E-09	5.29E-09	5.33E-11	8.31E-09	2.89E-09	4.55E-09	6.77E-11	7.51E-09	1.64E-09	2.51E-09	1.67E-11	4.17E-09
5741	742003.84	4113069.06	1.93E-08	3.26E-08	3.59E-10	5.23E-08	3.00E-09	5.34E-09	5.38E-11	8.39E-09	2.92E-09	4.59E-09	6.83E-11	7.58E-09	1.66E-09	2.53E-09	1.69E-11	4.21E-09
5742	741980.23	4113073.66	1.95E-08	3.29E-08	3.62E-10	5.28E-08	3.03E-09	5.39E-09	5.43E-11	8.47E-09	2.94E-09	4.64E-09	6.90E-11	7.65E-09	1.67E-09	2.56E-09	1.70E-11	4.25E-09
5743	741956.62	4113078.26	1.97E-08	3.32E-08	3.66E-10	5.33E-08	3.06E-09	5.44E-09	5.49E-11	8.55E-09	2.97E-09	4.68E-09	6.97E-11	7.73E-09	1.69E-09	2.58E-09	1.72E-11	4.29E-09
5744	741933	4113082.86	1.99E-08	3.35E-08	3.69E-10	5.38E-08	3.09E-09	5.49E-09	5.54E-11	8.64E-09	3.00E-09	4.73E-09	7.04E-11	7.80E-09	1.71E-09	2.61E-09	1.74E-11	4.33E-09
5745	741909.39	4113087.46	2.01E-08	3.38E-08	3.73E-10	5.43E-08	3.12E-09	5.55E-09	5.59E-11	8.72E-09	3.03E-09	4.77E-09	7.10E-11	7.87E-09	1.72E-09	2.63E-09	1.75E-11	4.37E-09
5746	741885.78	4113092.07	2.03E-08	3.41E-08	3.76E-10	5.48E-08	3.15E-09	5.60E-09	5.64E-11	8.80E-09	3.06E-09	4.82E-09	7.17E-11	7.95E-09	1.74E-09	2.66E-09	1.77E-11	4.41E-09
5747	741862.17	4113096.67	2.05E-08	3.44E-08	3.80E-10	5.53E-08	3.17E-09	5.65E-09	5.69E-11	8.88E-09	3.09E-09	4.86E-09	7.23E-11	8.02E-09	1.75E-09	2.68E-09	1.78E-11	4.45E-09
5748	741838.55	4113101.27	2.06E-08	3.47E-08	3.83E-10	5.57E-08	3.20E-09	5.69E-09	5.74E-11	8.95E-09	3.11E-09	4.90E-09	7.29E-11	8.08E-09	1.77E-09	2.70E-09	1.80E-11	4.49E-09
5749	741814.94	4113105.87	2.08E-08	3.50E-08	3.85E-10	5.61E-08	3.22E-09	5.73E-09	5.78E-11	9.01E-09	3.13E-09	4.93E-09	7.34E-11	8.14E-09	1.78E-09	2.72E-09	1.81E-11	4.52E-09
5750	741791.33	4113110.47	2.09E-08	3.52E-08	3.88E-10	5.65E-08	3.25E-09	5.77E-09	5.82E-11	9.08E-09	3.16E-09	4.97E-09	7.39E-11	8.20E-09	1.79E-09	2.74E-09	1.82E-11	4.55E-09
5751	741767.72	4113115.07	2.11E-08	3.54E-08	3.91E-10	5.69E-08	3.27E-09	5.81E-09	5.86E-11	9.14E-09	3.18E-09	5.00E-09	7.44E-11	8.25E-09	1.80E-09	2.76E-09	1.83E-11	4.58E-09
5752	741744.11	4113119.68	2.12E-08	3.56E-08	3.93E-10	5.72E-08	3.28E-09	5.84E-09	5.89E-11	9.19E-09	3.19E-09	5.03E-09	7.48E-11	8.30E-09	1.81E-09	2.77E-09	1.85E-11	4.61E-09
5753	741720.49	4113124.28	2.13E-08	3.58E-08	3.95E-10	5.75E-08	3.30E-09	5.87E-09	5.92E-11	9.23E-09	3.21E-09	5.05E-09	7.52E-11	8.34E-09	1.82E-09	2.79E-09	1.85E-11	4.63E-09
5754	741696.88	4113128.88	2.14E-08	3.60E-08	3.97E-10	5.78E-08	3.32E-09	5.90E-09	5.95E-11	9.28E-09	3.23E-09	5.08E-09	7.56E-11	8.38E-09	1.83E-09	2.80E-09	1.86E-11	4.65E-09
5755	741673.27	4113133.48	2.15E-08	3.62E-08	3.99E-10	5.81E-08	3.33E-09	5.93E-09	5.98E-11	9.33E-09	3.24E-09	5.10E-09	7.59E-11	8.42E-09	1.84E-09	2.82E-09	1.87E-11	4.68E-09
5756	741649.66	4113138.08	2.16E-08	3.64E-08	4.01E-10	5.84E-08	3.35E-09	5.96E-09	6.01E-11	9.38E-09	3.26E-09	5.13E-09	7.64E-11	8.47E-09	1.85E-09	2.83E-09	1.88E-11	4.70E-09
5757	741626.04	4113142.68	2.17E-08	3.66E-08	4.03E-10	5.87E-08	3.37E-09	5.99E-09	6.04E-11	9.42E-09	3.28E-09	5.16E-09	7.67E-11	8.51E-09	1.86E-09	2.84E-09	1.89E-11	4.73E-09
5758	741602.43	4113147.29	2.19E-08	3.68E-08	4.05E-10	5.90E-08	3.39E-09	6.03E-09	6.08E-11	9.48E-09	3.30E-09	5.19E-09	7.72E-11	8.56E-09	1.87E-09	2.86E-09	1.90E-11	4.75E-09
5759	741578.82	4113151.89	2.20E-08	3.70E-08	4.08E-10	5.94E-08	3.41E-09	6.06E-09	6.11E-11	9.53E-09	3.31E-09	5.22E-09	7.76E-11	8.61E-09	1.88E-09	2.88E-09	1.91E-11	4.78E-09
5760	741555.21	4113156.49	2.21E-08	3.72E-08	4.10E-10	5.97E-08	3.43E-09	6.10E-09	6.15E-11	9.59E-09	3.33E-09	5.25E-09	7.81E-11	8.66E-09	1.89E-09	2.90E-09	1.93E-11	4.81E-09
5761	741531.59	4113161.09	2.23E-08	3.75E-08	4.13E-10	6.01E-08	3.45E-09	6.14E-09	6.19E-11	9.65E-09	3.36E-09	5.28E-09	7.86E-11	8.72E-09	1.91E-09	2.91E-09	1.94E-11	4.84E-09
5762	741507.98	4113165.69	2.24E-08	3.77E-08	4.15E-10	6.05E-08	3.47E-09	6.18E-09	6.23E-11	9.72E-09	3.38E-09	5.32E-09	7.91E-11	8.77E-09	1.92E-09	2.93E-09	1.95E-11	4.87E-09
5763	741484.37	4113170.3	2.26E-08	3.79E-08	4.18E-10	6.09E-08	3.50E-09	6.22E-09	6.27E-11	9.78E-09	3.40E-09	5.35E-09	7.97E-11	8.83E-09	1.93E-09	2.95E-09	1.96E-11	4.90E-09
5764	741460.76	4113174.9	2.27E-08	3.82E-08	4.21E-10	6.13E-08	3.52E-09	6.26E-09	6.31E-11	9.84E-09	3.42E-09	5.39E-09	8.01E-11	8.89E-09	1.94E-09	2.97E-09	1.98E-11	4.93E-09
5765	741437.15	4113179.5	2.28E-08	3.84E-08	4.23E-10	6.16E-08	3.54E-09	6.29E-09	6.35E-11	9.89E-09	3.44E-09	5.42E-09	8.06E-11	8.94E-09	1.95E-09	2.99E-09	1.99E-11	4.96E-09
5766	741413.53	4113184.1	2.29E-08	3.86E-08	4.25E-10	6.19E-08	3.55E-09	6.32E-09	6.37E-11	9.94E-09	3.46E-09	5.44E-09	8.09E-11	8.98E-09	1.96E-09	3.00E-09	2.00E-11	4.98E-09
5767	741389.92	4113188.7	2.30E-08	3.87E-08	4.26E-10	6.21E-08	3.56E-09	6.34E-09	6.40E-11	9.97E-09	3.47E-09	5.46E-09	8.12E-11	9.01E-09	1.97E-09	3.01E-09	2.00E-11	5.00E-09
5768	741366.31	4113193.3	2.30E-08	3.88E-08	4.27E-10	6.22E-08	3.57E-09	6.36E-09	6.41E-11	9.99E-09	3.47E-09	5.47E-09	8.14E-11	9.02E-09	1.97E-09	3.02E-09	2.01E-11	5.01E-09
5769	741342.7	4113197.91	2.31E-08	3.88E-08	4.28E-10	6.23E-08	3.58E-09	6.37E-09	6.42E-11	1.00E-08	3.48E-09	5.48E-09	8.15E-11	9.04E-09	1.98E-09	3.02E-09	2.01E-11	5.02E-09
5770	741319.08	4113202.51	2.31E-08	3.88E-08	4.28E-10	6.23E-08	3.58E-09	6.36E-09	6.42E-11	1.00E-08	3.48E-09	5.48E-09	8.15E-11	9.04E-09	1.98E-09	3.02E-09	2.01E-11	5.02E-09
5771	741275.68	4113193.44	2.31E-08	3.89E-08	4.29E-10	6.25E-08	3.59E-09	6.38E-09	6.44E-11	1.00E-08	3.49E-09	5.49E-09	8.17E-11	9.06E-09	1.98E-09	3.03E-09	2.02E-11	5.03E-09
5772	741255.88	4113179.77	2.32E-08	3.91E-08	4.31E-10	6.28E-08	3.60E-09	6.41E-09	6.46E-11	1.01E-08	3.50E-09	5.52E-09	8.21E-11	9.10E-09	1.99E-09	3.04E-09	2.02E-11	5.05E-09
5773	741236.09	4113166.09	2.33E-08	3.92E-08	4.32E-10	6.29E-08	3.61E-09	6.43E-09	6.48E-11	1.01E-08	3.51E-09	5.53E-09	8.23E-11	9.13E-09	2.00E-09	3.05E-09	2.03E-11	5.07E-09
5774	741216.3	4113152.42	2.34E-08	3.93E-08	4.33E-10	6.31E-08	3.62E-09	6.45E-09	6.50E-11	1.01E-08	3.52E-09	5.55E-09	8.25E-11	9.15E-09	2.00E-09	3.06E-09	2.04E-11	5.08E-09
5775	741196.5	4113138.75	2.34E-08	3.94E-08	4.34E-10	6.33E-08	3.63E-09	6.46E-09	6.52E-11	1.02E-08	3.53E-09	5.56E-09	8.27E-11	9.17E-09	2.01E-09	3.07E-09	2.04E-11	5.09E-09
5776	741176.71	4113125.08	2.35E-08	3.95E-08	4.35E-10	6.34E-08	3.64E-09	6.48E-09	6.53E-11	1.02E-08	3.54E-09	5.57E-09	8.29E-11	9.20E-09	2.01E-09	3.07E-09	2.05E-11	5.11E-09
5777	741156.91	4113111.41	2.35E-08	3.96E-08	4.37E-10	6.36E-08	3.65E-09	6.49E-09	6.55E-11	1.02E-08	3.55E-09	5.59E-09	8.31E-11	9.22E-09	2.02E-09	3.08E-09	2.05E-11	5.12E-09
5778	741137.12	4113097.73	2.36E-08	3.97E-08	4.38E-10	6.38E-08	3.66E-09	6.52E-09	6.57E-11	1.02E-08	3.56E-09	5.61E-09	8.34E-11	9.25E-09	2.02E-09	3.09E-09	2.06E-11	5.14E-09
5779	741117.33	4113084.06	2.37E-08	3.99E-08	4.40E-10	6.41E-08	3.68E-09	6.55E-09	6.60E-11	1.03E-08	3.58E-09	5.63E-09	8.38E-11	9.30E-09	2.03E-09	3.11E-09	2.07E-11	5.16E-09
5780	741097.53	4113070.39	2.38E-08	4.01E-08	4.42E-10	6.44E-08	3.70E-09	6.58E-09	6.63E-11	1.03E-08	3.60E-09	5.66E-09	8.42E-11	9.34E-09	2.04E-09	3.12E-09	2.08E-11	5.19E-09
5781	741077.74	4113056.72	2.40E-08	4.04E-08	4.45E-10	6.48E-08	3.72E-09	6.62E-09	6.67E-11	1.04E-08	3.62E-09	5.70E-09	8.47E-11	9.40E-09	2.06E-09	3.14E-09	2.09E-11	5.22E-09
5782	741057.94	4113043.05	2.42E-08	4.07E-08	4.48E-10	6.53E-08	3.75E-09	6.67E-09	6.72E-11	1.05E-08	3.64E-09	5.74E-09	8.53E-11	9.46E-09	2.07E-09	3.16E-09	2.10E-11	5.25E-09
5783	741038.15	4113029.38	2.43E-08	4.10E-08	4.52E-10	6.58E-08	3.78E-09	6.72E-09	6.77E-11	1.06E-08	3.67E-09	5.78E-09	8.60E-11	9.54E-09	2.09E-09	3.19E-09	2.12E-11	5.29E-09
5784	741018.36	4113015.7	2.45E-08	4.13E-08	4.55E-10	6.63E-08	3.81E-09	6.77E-09	6.83E-11	1.06E-08	3.70E-09	5.83E-09	8.67E-11	9.62E-09	2.10E-09	3.21E-09	2.14E-11	5.34E-09
5785	740998.56	4113002.03	2.48E-08	4.17E-08	4.59E-10	6.69E-08	3.84E-09	6.83E-09	6.89E-11	1.07E-08	3.73E-09	5.88E-09	8.75E-11	9.70E-09	2.12E-09	3.24E-09	2.16E-11	5.39E-09
5786	740978.77	4112988.36	2.50E-08	4.21E-08	4.64E-10	6.75E-08	3.88E-09	6.90E-09	6.95E-11	1.08E-08	3.77E-09	5.93E-09	8.83E-11	9.79E-09	2.14E-09	3.27E-09	2.18E-11	5.44E-09
5787	740958.98	4112974.69	2.52E-08	4.25E-08	4.68E-10	6.81E-08	3.91E-09	6.96E-09	7.02E-11	1.09E-08	3.80E-09	5.99E-09	8.91E-11	9.88E-09	2.16E-09	3.30E-09	2.20E-11	5.49E-09
5788	740939.18	4112961.02	2.54E-08	4.28E-08	4.72E-10	6.87E-08	3.95E-09	7.02E-09	7.08E-11	1.10E-08	3.84E-09	6.04E-09	8.99E-11	9.97E-09	2.18E-09	3.33E-09	2.22E-11	5.53E-09
5789	740919.39	4112947.34	2.56E-08	4.32E-08	4.76E-10	6.93E-08	3.98E-09	7.08E-09	7.14E-11	1.11E-08	3.87E-09	6.09E-09	9.06E-11	1.00E-08	2.20E-09	3.36E-09	2.23E-11	5.58E-09
5790	740899.59	4112933.67	2.58E-08	4.35E-08	4.79E-10	6.98E-08	4.01E-09	7.13E-09	7.19E-11	1.12E-08	3.90E-09	6.13E-09	9.13E-11	1.01E-08	2.21E-09	3.38E-09	2.25E-11	5.62E-09
5791	740879.8	4112920	2.60E-08	4.38E-08	4.82E-10	7.02E-08	4.03E-09	7.17E-09	7.23E-11	1.13E-08	3.92E-09	6.17E-09	9.19E-11	1.02E-08	2.23E-09	3.40E-09	2.27E-11	5.66E-09
5792	740860.01	4112906.33	2.61E-08	4.40E-08	4.85E-10	7.06E-08	4.05E-09	7.21E-09	7.27E-11	1.13E-08	3.94E-09	6.21E-09	9.24E-11	1.02E-08	2.24E-09	3.42E-09	2.28E-11	5.69E-09
5793	740840.21	4112892.66	2.62E-08	4.42E-08	4.87E-10	7.09E-08	4.07E-09	7.24E-09	7.30E-11	1.14E-08	3.96E-09	6.23E-09	9.27E-11	1.03E-08	2.25E-09	3.44E-09	2.29E-11	5.71E-09
5794	740820.42	4112878.98	2.63E-08	4.43E-08	4.88E-10	7.11E-08	4.08E-09	7.26E-09	7.32E-11	1.14E-08	3.97E-09	6.25E-09	9.30E-11	1.03E-08	2.26E-09	3.45E-09	2.29E-11	5.72E-09
5795	740800.62	4112865.31	2.63E-08	4.43E-08	4.89E-10	7.12E-08	4.09E-09	7.27E-09	7.33E-11	1.14E-08	3.97E-09	6.25E-09	9.31E-11	1.03E-08	2.26E-09	3.45E-09	2.30E-11	5.73E-09
5796	740780.83	4112851.64	2.63E-08	4.43E-08	4.89E-10	7.12E-08	4.09E-09	7.27E-09	7.33E-11	1.14E-08	3.97E-09	6.25E-09	9.31E-11	1.03E-08	2.26E-09	3.45E-09	2.30E-11	5.73E-09
5797	740761.04	4112837.97	2.63E-08	4.43E-08	4.88E-10	7.11E-08	4.08E-09	7.26E-09	7.32E-11	1.14E-08	3.97E-09	6.24E-09	9.29E-11	1.03E-08	2.25E-09	3.44E-09	2.29E-11	5.72E-09
5798	740741.24	4112824.3	2.62E-08	4.41E-08	4.86E-10	7.08E-08	4.07E-09	7.23E-09	7.30E-11	1.14E-08	3.95E-09	6.22E-09	9.26E-11	1.03E-08	2.25E-09	3.43E-09	2.28E-11	5.70E-09
5799	740721.45	4112810.63	2.61E-08	4.39E-08	4.84E-10	7.05E-08	4.05E-09	7.20E-09	7.26E-11	1.13E-08	3.93E-09	6.19E-09	9.22E-11	1.02E-08	2.24E-09	3.42E-09	2.27E-11	5.68E-09
5800	740701.65	4112796.95	2.59E-08	4.37E-08	4.81E-10	7.01E-08	4.02E-09	7.16E-09	7.22E-11	1.13E-08	3.91E-09	6.16E-09	9.16E-11	1.02E-08	2.22E-09	3.40E-09	2.26E-11	5.64E-09
5801	740681.86	4112783.28	2.57E-08	4.33E-08	4.78E-10	6.96E-08	3.99E-09	7.10E-09	7.16E-11	1.12E-08	3.88E-09	6.11E-09	9.10E-11	1.01E-08	2.21E-09	3.37E-09	2.24E-11	5.60E-09
5802	740662.07	4112769.61	2.55E-08	4.30E-08	4.74E-10	6.90E-08	3.96E-09	7.05E-09	7.11E-11	1.11E-08	3.85E-09	6.06E-09	9.02E-11	1.00E-08	2.19E-09	3.34E-09	2.22E-11	5.55E-09
5803	740642.27	4112755.94	2.53E-08	4.26E-08	4.69E-10	6.84E-08	3.93E-09	6.98E-09	7.04E-11	1.10E-08	3.82E-09	6.01E-09	8.94E-11	9.92E-09	2.17E-09	3.31E-09	2.21E-11	5.51E-09
5804	740622.48	4112742.27	2.51E-08	4.22E-08	4.65E-10	6.77E-08	3.89E-09	6.92E-09	6.97E-11	1.09E-08	3.78E-09	5.95E-09	8.86E-11	9.82E-09	2.15E-09	3.28E-09	2.18E-11	5.45E-09

5805	740602.69	4112728.59	2.48E-08	4.18E-08	4.60E-10	6.71E-08	3.85E-09	6.85E-09	6.91E-11	1.08E-08	3.74E-09	5.89E-09	8.77E-11	9.72E-09	2.13E-09	3.25E-09	2.16E-11	5.40E-09
5806	740582.89	4112714.92	2.46E-08	4.14E-08	4.56E-10	6.64E-08	3.81E-09	6.79E-09	6.84E-11	1.07E-08	3.71E-09	5.84E-09	8.69E-11	9.64E-09	2.11E-09	3.22E-09	2.14E-11	5.35E-09
5807	740563.1	4112701.25	2.44E-08	4.10E-08	4.52E-10	6.59E-08	3.78E-09	6.73E-09	6.78E-11	1.06E-08	3.68E-09	5.79E-09	8.61E-11	9.55E-09	2.09E-09	3.19E-09	2.12E-11	5.30E-09
5808	740543.3	4112687.58	2.42E-08	4.08E-08	4.49E-10	6.54E-08	3.76E-09	6.68E-09	6.74E-11	1.05E-08	3.65E-09	5.75E-09	8.55E-11	9.49E-09	2.08E-09	3.17E-09	2.11E-11	5.27E-09
5809	740523.51	4112673.91	2.41E-08	4.06E-08	4.47E-10	6.51E-08	3.74E-09	6.65E-09	6.71E-11	1.05E-08	3.63E-09	5.72E-09	8.51E-11	9.44E-09	2.06E-09	3.16E-09	2.10E-11	5.24E-09
5810	740503.72	4112660.23	2.40E-08	4.05E-08	4.46E-10	6.49E-08	3.73E-09	6.63E-09	6.69E-11	1.04E-08	3.63E-09	5.71E-09	8.49E-11	9.42E-09	2.06E-09	3.15E-09	2.09E-11	5.23E-09
5811	740483.92	4112646.56	2.41E-08	4.05E-08	4.46E-10	6.50E-08	3.73E-09	6.64E-09	6.70E-11	1.04E-08	3.63E-09	5.71E-09	8.50E-11	9.43E-09	2.06E-09	3.15E-09	2.10E-11	5.23E-09
5812	740464.13	4112632.89	2.42E-08	4.07E-08	4.49E-10	6.53E-08	3.75E-09	6.67E-09	6.73E-11	1.05E-08	3.65E-09	5.74E-09	8.54E-11	9.47E-09	2.07E-09	3.17E-09	2.11E-11	5.26E-09
5813	740444.33	4112619.22	2.44E-08	4.10E-08	4.52E-10	6.59E-08	3.78E-09	6.73E-09	6.78E-11	1.06E-08	3.68E-09	5.79E-09	8.61E-11	9.55E-09	2.09E-09	3.19E-09	2.12E-11	5.30E-09
5814	740424.54	4112605.55	2.47E-08	4.15E-08	4.58E-10	6.67E-08	3.83E-09	6.81E-09	6.87E-11	1.07E-08	3.72E-09	5.86E-09	8.72E-11	9.67E-09	2.12E-09	3.23E-09	2.15E-11	5.37E-09
5815	740404.75	4112591.87	2.51E-08	4.22E-08	4.65E-10	6.77E-08	3.89E-09	6.92E-09	6.98E-11	1.09E-08	3.78E-09	5.95E-09	8.86E-11	9.82E-09	2.15E-09	3.28E-09	2.18E-11	5.45E-09
5816	740384.95	4112578.2	2.55E-08	4.30E-08	4.74E-10	6.90E-08	3.96E-09	7.05E-09	7.11E-11	1.11E-08	3.85E-09	6.06E-09	9.02E-11	1.00E-08	2.19E-09	3.35E-09	2.23E-11	5.56E-09
5817	740365.16	4112564.53	2.61E-08	4.39E-08	4.84E-10	7.05E-08	4.05E-09	7.20E-09	7.26E-11	1.13E-08	3.93E-09	6.19E-09	9.22E-11	1.02E-08	2.24E-09	3.42E-09	2.27E-11	5.68E-09
5818	740345.37	4112550.86	2.67E-08	4.49E-08	4.95E-10	7.21E-08	4.14E-09	7.36E-09	7.43E-11	1.16E-08	4.03E-09	6.34E-09	9.43E-11	1.05E-08	2.29E-09	3.50E-09	2.33E-11	5.81E-09
5819	740325.57	4112537.19	2.73E-08	4.60E-08	5.07E-10	7.38E-08	4.24E-09	7.54E-09	7.60E-11	1.19E-08	4.12E-09	6.49E-09	9.65E-11	1.07E-08	2.34E-09	3.58E-09	2.38E-11	5.94E-09
5820	740305.78	4112523.52	2.80E-08	4.71E-08	5.19E-10	7.56E-08	4.34E-09	7.72E-09	7.79E-11	1.21E-08	4.22E-09	6.65E-09	9.89E-11	1.10E-08	2.40E-09	3.67E-09	2.44E-11	6.09E-09
5821	740285.98	4112509.84	2.87E-08	4.82E-08	5.31E-10	7.74E-08	4.44E-09	7.91E-09	7.97E-11	1.24E-08	4.32E-09	6.80E-09	1.01E-10	1.12E-08	2.46E-09	3.75E-09	2.50E-11	6.23E-09
5822	740266.19	4112496.17	2.93E-08	4.93E-08	5.43E-10	7.91E-08	4.54E-09	8.08E-09	8.15E-11	1.27E-08	4.42E-09	6.95E-09	1.03E-10	1.15E-08	2.51E-09	3.83E-09	2.55E-11	6.37E-09
5823	740246.4	4112482.5	2.99E-08	5.03E-08	5.54E-10	8.07E-08	4.63E-09	8.24E-09	8.31E-11	1.30E-08	4.50E-09	7.09E-09	1.06E-10	1.17E-08	2.56E-09	3.91E-09	2.60E-11	6.50E-09
5824	740226.6	4112468.83	3.04E-08	5.11E-08	5.63E-10	8.21E-08	4.71E-09	8.38E-09	8.45E-11	1.32E-08	4.58E-09	7.21E-09	1.07E-10	1.19E-08	2.60E-09	3.98E-09	2.65E-11	6.61E-09
5825	740206.81	4112455.16	3.08E-08	5.19E-08	5.72E-10	8.32E-08	4.78E-09	8.50E-09	8.57E-11	1.34E-08	4.65E-09	7.32E-09	1.09E-10	1.21E-08	2.64E-09	4.04E-09	2.68E-11	6.70E-09
5826	740187.01	4112441.48	3.12E-08	5.25E-08	5.78E-10	8.42E-08	4.84E-09	8.60E-09	8.67E-11	1.35E-08	4.70E-09	7.40E-09	1.10E-10	1.22E-08	2.67E-09	4.08E-09	2.72E-11	6.78E-09
5827	740167.22	4112427.81	3.14E-08	5.29E-08	5.83E-10	8.50E-08	4.88E-09	8.68E-09	8.75E-11	1.36E-08	4.74E-09	7.47E-09	1.11E-10	1.23E-08	2.69E-09	4.12E-09	2.74E-11	6.84E-09
5828	740147.43	4112414.14	3.16E-08	5.32E-08	5.87E-10	8.55E-08	4.91E-09	8.73E-09	8.80E-11	1.37E-08	4.77E-09	7.51E-09	1.12E-10	1.24E-08	2.71E-09	4.14E-09	2.76E-11	6.88E-09
5829	740127.63	4112400.47	3.18E-08	5.34E-08	5.89E-10	8.58E-08	4.92E-09	8.76E-09	8.83E-11	1.38E-08	4.79E-09	7.54E-09	1.12E-10	1.24E-08	2.72E-09	4.16E-09	2.77E-11	6.91E-09
5830	740107.84	4112386.8	3.18E-08	5.35E-08	5.90E-10	8.59E-08	4.93E-09	8.77E-09	8.85E-11	1.38E-08	4.80E-09	7.55E-09	1.12E-10	1.25E-08	2.72E-09	4.16E-09	2.77E-11	6.92E-09
5831	740088.04	4112373.12	3.18E-08	5.35E-08	5.90E-10	8.59E-08	4.93E-09	8.77E-09	8.85E-11	1.38E-08	4.80E-09	7.55E-09	1.12E-10	1.25E-08	2.72E-09	4.16E-09	2.77E-11	6.92E-09
5832	740068.25	4112359.45	3.18E-08	5.35E-08	5.89E-10	8.58E-08	4.93E-09	8.76E-09	8.84E-11	1.38E-08	4.79E-09	7.54E-09	1.12E-10	1.24E-08	2.72E-09	4.16E-09	2.77E-11	6.91E-09
5833	740048.46	4112345.78	3.17E-08	5.34E-08	5.88E-10	8.57E-08	4.92E-09	8.75E-09	8.82E-11	1.38E-08	4.78E-09	7.53E-09	1.12E-10	1.24E-08	2.72E-09	4.15E-09	2.76E-11	6.90E-09
5834	740028.66	4112332.11	3.17E-08	5.33E-08	5.88E-10	8.56E-08	4.91E-09	8.74E-09	8.81E-11	1.37E-08	4.78E-09	7.52E-09	1.12E-10	1.24E-08	2.71E-09	4.15E-09	2.76E-11	6.89E-09
5835	740008.87	4112318.44	3.16E-08	5.33E-08	5.87E-10	8.55E-08	4.91E-09	8.73E-09	8.81E-11	1.37E-08	4.77E-09	7.51E-09	1.12E-10	1.24E-08	2.71E-09	4.14E-09	2.76E-11	6.88E-09
5836	739989.08	4112304.77	3.17E-08	5.33E-08	5.87E-10	8.55E-08	4.91E-09	8.73E-09	8.81E-11	1.37E-08	4.77E-09	7.52E-09	1.12E-10	1.24E-08	2.71E-09	4.15E-09	2.76E-11	6.89E-09
5837	739969.28	4112291.09	3.17E-08	5.33E-08	5.88E-10	8.56E-08	4.92E-09	8.75E-09	8.82E-11	1.38E-08	4.78E-09	7.53E-09	1.12E-10	1.24E-08	2.72E-09	4.15E-09	2.76E-11	6.89E-09
5838	739949.49	4112277.42	3.18E-08	5.35E-08	5.90E-10	8.59E-08	4.93E-09	8.77E-09	8.85E-11	1.38E-08	4.80E-09	7.55E-09	1.12E-10	1.25E-08	2.72E-09	4.16E-09	2.77E-11	6.92E-09
5839	739929.69	4112263.75	3.20E-08	5.38E-08	5.93E-10	8.63E-08	4.96E-09	8.82E-09	8.89E-11	1.39E-08	4.82E-09	7.59E-09	1.13E-10	1.25E-08	2.74E-09	4.19E-09	2.78E-11	6.95E-09
5840	739909.9	4112250.08	3.22E-08	5.42E-08	5.97E-10	8.69E-08	4.99E-09	8.88E-09	8.95E-11	1.40E-08	4.85E-09	7.64E-09	1.14E-10	1.26E-08	2.76E-09	4.21E-09	2.80E-11	7.00E-09
5841	739890.11	4112236.41	3.25E-08	5.46E-08	6.02E-10	8.77E-08	5.04E-09	8.96E-09	9.04E-11	1.41E-08	4.90E-09	7.71E-09	1.15E-10	1.27E-08	2.78E-09	4.25E-09	2.83E-11	7.06E-09
5842	739870.31	4112222.73	3.28E-08	5.52E-08	6.09E-10	8.87E-08	5.09E-09	9.06E-09	9.13E-11	1.42E-08	4.95E-09	7.79E-09	1.16E-10	1.29E-08	2.81E-09	4.30E-09	2.86E-11	7.14E-09
5843	739850.52	4112209.06	3.32E-08	5.59E-08	6.16E-10	8.98E-08	5.15E-09	9.17E-09	9.25E-11	1.44E-08	5.01E-09	7.89E-09	1.17E-10	1.30E-08	2.85E-09	4.35E-09	2.90E-11	7.23E-09
5844	739830.72	4112195.39	3.37E-08	5.67E-08	6.25E-10	9.10E-08	5.23E-09	9.30E-09	9.38E-11	1.46E-08	5.08E-09	8.00E-09	1.19E-10	1.32E-08	2.89E-09	4.41E-09	2.94E-11	7.33E-09
5845	739810.93	4112181.72	3.42E-08	5.76E-08	6.35E-10	9.25E-08	5.31E-09	9.44E-09	9.52E-11	1.48E-08	5.16E-09	8.13E-09	1.21E-10	1.34E-08	2.93E-09	4.48E-09	2.98E-11	7.44E-09
5846	739791.14	4112168.05	3.48E-08	5.85E-08	6.45E-10	9.39E-08	5.39E-09	9.59E-09	9.67E-11	1.51E-08	5.24E-09	8.26E-09	1.23E-10	1.36E-08	2.98E-09	4.55E-09	3.03E-11	7.56E-09
5847	739771.34	4112154.37	3.54E-08	5.95E-08	6.56E-10	9.55E-08	5.48E-09	9.76E-09	9.84E-11	1.53E-08	5.33E-09	8.40E-09	1.25E-10	1.39E-08	3.03E-09	4.63E-09	3.08E-11	7.69E-09
5848	739751.55	4112140.7	3.60E-08	6.05E-08	6.67E-10	9.71E-08	5.58E-09	9.92E-09	1.00E-10	1.56E-08	5.42E-09	8.54E-09	1.27E-10	1.41E-08	3.08E-09	4.71E-09	3.13E-11	7.82E-09
5849	739731.76	4112127.03	3.65E-08	6.15E-08	6.78E-10	9.87E-08	5.67E-09	1.01E-08	1.02E-10	1.58E-08	5.51E-09	8.67E-09	1.29E-10	1.43E-08	3.13E-09	4.78E-09	3.18E-11	7.95E-09
5850	739711.96	4112113.36	3.71E-08	6.24E-08	6.87E-10	1.00E-07	5.75E-09	1.02E-08	1.03E-10	1.61E-08	5.59E-09	8.80E-09	1.31E-10	1.45E-08	3.18E-09	4.85E-09	3.23E-11	8.06E-09
5851	739692.17	4112099.69	3.76E-08	6.32E-08	6.97E-10	1.01E-07	5.82E-09	1.04E-08	1.04E-10	1.63E-08	5.66E-09	8.91E-09	1.33E-10	1.47E-08	3.22E-09	4.92E-09	3.27E-11	8.17E-09
5852	739672.37	4112086.02	3.80E-08	6.40E-08	7.05E-10	1.03E-07	5.89E-09	1.05E-08	1.06E-10	1.65E-08	5.73E-09	9.02E-09	1.34E-10	1.49E-08	3.26E-09	4.98E-09	3.31E-11	8.27E-09
5853	739652.58	4112072.34	3.84E-08	6.46E-08	7.12E-10	1.04E-07	5.95E-09	1.06E-08	1.07E-10	1.66E-08	5.79E-09	9.11E-09	1.36E-10	1.50E-08	3.29E-09	5.03E-09	3.34E-11	8.35E-09
5854	739632.79	4112058.67	3.87E-08	6.52E-08	7.18E-10	1.05E-07	6.00E-09	1.07E-08	1.08E-10	1.68E-08	5.84E-09	9.19E-09	1.37E-10	1.52E-08	3.32E-09	5.07E-09	3.37E-11	8.42E-09
5855	739612.99	4112045	3.90E-08	6.56E-08	7.24E-10	1.05E-07	6.05E-09	1.08E-08	1.09E-10	1.69E-08	5.88E-09	9.26E-09	1.38E-10	1.53E-08	3.34E-09	5.11E-09	3.40E-11	8.48E-09
5856	739593.2	4112031.33	3.92E-08	6.60E-08	7.28E-10	1.06E-07	6.09E-09	1.08E-08	1.09E-10	1.70E-08	5.92E-09	9.32E-09	1.39E-10	1.54E-08	3.36E-09	5.14E-09	3.42E-11	8.54E-09
5857	739573.4	4112017.66	3.94E-08	6.64E-08	7.31E-10	1.07E-07	6.12E-09	1.09E-08	1.10E-10	1.71E-08	5.95E-09	9.36E-09	1.39E-10	1.54E-08	3.38E-09	5.16E-09	3.44E-11	8.58E-09
5858	739553.61	4112003.98	3.96E-08	6.66E-08	7.34E-10	1.07E-07	6.14E-09	1.09E-08	1.10E-10	1.72E-08	5.97E-09	9.40E-09	1.40E-10	1.55E-08	3.39E-09	5.18E-09	3.45E-11	8.61E-09
5859	739533.82	4111990.31	3.97E-08	6.69E-08	7.37E-10	1.07E-07	6.16E-09	1.10E-08	1.11E-10	1.72E-08	5.99E-09	9.43E-09	1.40E-10	1.56E-08	3.41E-09	5.20E-09	3.46E-11	8.64E-09
5860	739514.02	4111976.64	3.98E-08	6.71E-08	7.39E-10	1.08E-07	6.18E-09	1.10E-08	1.11E-10	1.73E-08	6.01E-09	9.46E-09	1.41E-10	1.56E-08	3.41E-09	5.22E-09	3.47E-11	8.67E-09
5861	739494.23	4111962.97	3.99E-08	6.72E-08	7.41E-10	1.08E-07	6.19E-09	1.10E-08	1.11E-10	1.73E-08	6.02E-09	9.48E-09	1.41E-10	1.56E-08	3.42E-09	5.23E-09	3.48E-11	8.68E-09
5862	739474.43	4111949.3	4.00E-08	6.73E-08	7.42E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.73E-08	6.03E-09	9.49E-09	1.41E-10	1.57E-08	3.43E-09	5.24E-09	3.48E-11	8.70E-09
5863	739454.64	4111935.62	4.00E-08	6.74E-08	7.42E-10	1.08E-07	6.21E-09	1.10E-08	1.11E-10	1.74E-08	6.04E-09	9.50E-09	1.41E-10	1.57E-08	3.43E-09	5.24E-09	3.49E-11	8.71E-09
5864	739434.85	4111921.95	4.00E-08	6.74E-08	7.42E-10	1.08E-07	6.21E-09	1.10E-08	1.11E-10	1.74E-08	6.04E-09	9.50E-09	1.41E-10	1.57E-08	3.43E-09	5.24E-09	3.49E-11	8.71E-09
5865	739415.05	4111908.28	4.00E-08	6.73E-08	7.42E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.74E-08	6.03E-09	9.50E-09	1.41E-10	1.57E-08	3.43E-09	5.24E-09	3.49E-11	8.70E-09
5866	739395.26	4111894.61	4.00E-08	6.72E-08	7.41E-10	1.08E-07	6.20E-09	1.10E-08	1.11E-10	1.73E-08	6.03E-09	9.49E-09	1.41E-10	1.57E-08	3.42E-09	5.23E-09	3.48E-11	8.69E-09
5867	739375.47	4111880.94	3.99E-08	6.71E-08	7.39E-10	1.08E-07	6.18E-09	1.10E-08	1.11E-10	1.73E-08	6.01E-09	9.46E-09	1.41E-10	1.56E-08	3.42E-09	5.22E-09	3.47E-11	8.67E-09
5868	739355.67	4111867.27	3.97E-08	6.69E-08	7.37E-10	1.07E-07	6.16E-09	1.10E-08	1.11E-10	1.72E-08	5.99E-09	9.43E-09	1.40E-10	1.56E-08	3.41E-09	5.20E-09	3.46E-11	8.64E-09
5869	739335.88	4111853.59	3.96E-08	6.66E-08	7.34E-10	1.07E-07	6.14E-09	1.09E-08	1.10E-10	1.72E-08	5.97E-09	9.40E-09	1.40E-10	1.55E-08	3.39E-09	5.18E-09	3.45E-11	8.61E-09
5870	743656.7	4112746.93	1.17E-08	1.96E-08	2.16E-10	3.15E-08	1.81E-09	3.22E-09	3.24E-11	5.06E-09	1.76E-09	2.77E-09	4.12E-11	4.57E-09	9.99E-10	1.53E-09	1.02E-11	2.54E-09
5871	743676.81	4112733.44	1.15E-08	1.93E-08	2.13E-10	3.10E-08	1.78E-09	3.17E-09	3.19E-11	4.98E-09	1.73E-09	2.72E-09	4.05E-11	4.49E-09	9.83E-10	1.50E-09	1.00E-11	2.50E-09
5872	743696.92	4112719.95	1.13E-08	1.90E-08	2.09E-10	3.05E-08	1.75E-09	3.11E-09	3.14E-11	4.89E-09	1.70E-09	2.68E-09	3.98E-11	4.42E-09	9.66E-10	1.48E-09	9.83E-12	2.45E-09
5873	743717.03	4112706.46	1.11E-08	1.87E-08	2.06E-10	3.01E-08	1.73E-09	3.07E-09	3.10E-11	4.83E-09	1.68E-09	2.64E-09	3.93E-11	4.36E-09	9.54E-10	1.46E-09	9.69E-12	2.42E-09
5874	743737.14	4112692.97	1.09E-08	1.84E-08	2.03E-10	2.96E-08	1.70E-09	3.02E-09	3.04E-11	4.75E-09	1.65E-09	2.60E-09	3.87E-11	4.29E-09	9.38E-10	1.43E-09	9.53E-12	2.38E-09
5875	743757.25	4112679.47	1.06E-08	1.79E-08	1.97E-10	2.87E-08	1.65E-09	2.93E-09	2.95E-11	4.60E-09	1.60E-09	2.52E-09	3.75E-11	4.16E-09	9.09E-10	1.39E-09	9.25E-12	2.31E-09
5876	743777.36	4112665.98	1.04E-08	1.75E-08	1.93E-10	2.81E-08	1.61E-09	2.87E-09	2.90E-11	4.52E-09	1.57E-09	2.47E-09	3.68E-11	4.08E-09	8.92E-10	1.36E-09	9.07E-12	2.26E-09
5877	743797.47	4112652.49	1.02E-08	1.72E-08	1.90E-10	2.76E-08	1.58E-09	2.82E-09	2.84E-11	4.43E-09	1.54E-09	2.43E-09	3.61E-11	4.00E-09	8.76E-10	1.34E-09	8.90E-12	2.22E-09
5878	743817.58	4112639	1.01E-08	1.69E-08	1.86E-10	2.71E-08	1.56E-09	2.77E-09	2.80E-11	4.36E-09	1.52E-09	2.39E-09	3.55E-11	3.94E-09	8.61E-10	1.32E-09	8.76E-12	2.19E-09
5879	743837.69	4112625.5	9.93E-09	1.67E-08	1.84E-10	2.68E-08	1.54E-09	2.74E-09	2.76E-11	4.31E-09	1.50E-09	2.36E-09	3.51E-11	3.89E-09	8.51E-10	1.30E-09	8.65E-12	2.16E-09
5880	743857.8	4112612.01	9.86E-09	1.66E-08	1.83E-10	2.66E-08	1.53E-09	2.72E-09	2.74E-11	4.28E-09	1.49E-09	2.34E-09	3.48E-11	3.86E-09	8.45E-10	1.29E-09	8.59E-12	2.14E-09
5881	743877.91	4112598.52	9.83E-09	1.65E-08	1.82E-10	2.66E-08	1.52E-09	2.71E-09	2.74E-11	4.26E-09	1.48E-09	2.33E-09	3.47E-11	3.85E-09	8.42E-10	1.29E-09	8.57E-12	2.14E-09
5882	743898.02	4112585.03	9.87E-09	1.66E-08	1.83E-10	2.67E-08	1.53E-09	2.72E-09	2.75E-11	4.28E-09	1.49E-09	2.34E-09	3.49E-11	3.87E-09	8.46E-10	1.29E-09	8.60E-12	2.15E-09
5883	743918.13	4112571.53	9.97E-09	1.68E-08	1.85E-10	2.69E-08	1.55E-09	2.75E-09	2.78E-11	4.33E-09	1.50E-09	2.37E-09	3.52E-11	3.91E-09	8.55E-10	1.31E-09	8.69E-12	2.17E-09

			T2		2495	T2L3			T4I			T4F		
			2491	741957.94	4109988.34									
			2.21E-02	4.02E-02	2.21E-03	3.42E-03	6.59E-03	3.31E-04	3.33E-03	5.67E-03	4.21E-04	1.89E-03	3.13E-03	1.04E-04
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	742157.6	4109901.96	1.60E-02	2.91E-02	1.60E-03	2.47E-03	4.77E-03	2.40E-04	2.41E-03	4.10E-03	3.04E-04	1.37E-03	2.26E-03	7.50E-05
2	742144.05	4109881.59	1.33E-02	2.42E-02	1.33E-03	2.06E-03	3.96E-03	1.99E-04	2.00E-03	3.41E-03	2.53E-04	1.14E-03	1.88E-03	6.23E-05
3	742130.5	4109861.23	1.14E-02	2.08E-02	1.14E-03	1.77E-03	3.41E-03	1.71E-04	1.72E-03	2.93E-03	2.18E-04	9.78E-04	1.62E-03	5.37E-05
4	742116.95	4109840.87	9.29E-03	1.69E-02	9.29E-04	1.44E-03	2.77E-03	1.39E-04	1.40E-03	2.39E-03	1.77E-04	7.96E-04	1.32E-03	4.36E-05
5	742236.31	4109988.28	8.90E-03	1.62E-02	8.90E-04	1.38E-03	2.66E-03	1.34E-04	1.34E-03	2.29E-03	1.70E-04	7.63E-04	1.26E-03	4.18E-05
6	742229.43	4110022.89	5.45E-03	9.93E-03	5.45E-04	8.45E-04	1.63E-03	8.18E-05	8.22E-04	1.40E-03	1.04E-04	4.67E-04	7.73E-04	2.56E-05
7	742178.41	4109888.11	1.33E-02	2.43E-02	1.33E-03	2.07E-03	3.99E-03	2.00E-04	2.01E-03	3.43E-03	2.54E-04	1.14E-03	1.89E-03	6.27E-05
8	742164.86	4109867.74	1.05E-02	1.91E-02	1.05E-03	1.62E-03	3.13E-03	1.57E-04	1.58E-03	2.69E-03	2.00E-04	8.97E-04	1.48E-03	4.92E-05
9	742151.31	4109847.38	8.78E-03	1.60E-02	8.78E-04	1.36E-03	2.62E-03	1.32E-04	1.32E-03	2.26E-03	1.67E-04	7.52E-04	1.24E-03	4.12E-05
10	742137.77	4109827.02	7.14E-03	1.30E-02	7.15E-04	1.11E-03	2.13E-03	1.07E-04	1.08E-03	1.84E-03	1.36E-04	6.12E-04	1.01E-03	3.36E-05
11	742257.13	4109974.43	8.64E-03	1.57E-02	8.64E-04	1.34E-03	2.58E-03	1.30E-04	1.30E-03	2.22E-03	1.65E-04	7.40E-04	1.22E-03	4.06E-05
12	742253.95	4110027.77	4.04E-03	7.37E-03	4.05E-04	6.27E-04	1.21E-03	6.07E-05	6.10E-04	1.04E-03	7.71E-05	3.46E-04	5.73E-04	1.90E-05
13	742199.22	4109874.26	1.14E-02	2.07E-02	1.14E-03	1.77E-03	3.40E-03	1.71E-04	1.72E-03	2.93E-03	2.17E-04	9.75E-04	1.61E-03	5.35E-05
14	742185.68	4109853.9	8.58E-03	1.56E-02	8.59E-04	1.33E-03	2.56E-03	1.29E-04	1.29E-03	2.21E-03	1.64E-04	7.35E-04	1.22E-03	4.03E-05
15	742172.13	4109833.53	7.09E-03	1.29E-02	7.09E-04	1.10E-03	2.12E-03	1.06E-04	1.07E-03	1.82E-03	1.35E-04	6.07E-04	1.01E-03	3.33E-05
16	742158.58	4109813.17	5.81E-03	1.06E-02	5.81E-04	9.01E-04	1.74E-03	8.72E-05	8.76E-04	1.49E-03	1.11E-04	4.98E-04	8.23E-04	2.73E-05
17	742277.94	4109960.58	8.21E-03	1.50E-02	8.21E-04	1.27E-03	2.45E-03	1.23E-04	1.24E-03	2.11E-03	1.56E-04	7.03E-04	1.16E-03	3.86E-05
18	742285.35	4109998.03	4.23E-03	7.71E-03	4.23E-04	6.56E-04	1.26E-03	6.35E-05	6.38E-04	1.09E-03	8.07E-05	3.63E-04	6.00E-04	1.99E-05
19	742278.47	4110032.64	3.11E-03	5.66E-03	3.11E-04	4.82E-04	9.28E-04	4.66E-05	4.68E-04	7.98E-04	5.92E-05	2.66E-04	4.40E-04	1.46E-05
20	742257.29	4110064.41	2.69E-03	4.91E-03	2.69E-04	4.18E-04	8.05E-04	4.04E-05	4.06E-04	6.92E-04	5.13E-05	2.31E-04	3.82E-04	1.27E-05
21	742220.04	4109860.41	9.68E-03	1.76E-02	9.69E-04	1.50E-03	2.89E-03	1.45E-04	1.46E-03	2.49E-03	1.84E-04	8.30E-04	1.37E-03	4.55E-05
22	742206.49	4109840.05	7.19E-03	1.31E-02	7.20E-04	1.12E-03	2.15E-03	1.08E-04	1.08E-03	1.85E-03	1.37E-04	6.16E-04	1.02E-03	3.38E-05
23	742192.94	4109819.68	5.93E-03	1.08E-02	5.93E-04	9.19E-04	1.77E-03	8.89E-05	8.93E-04	1.52E-03	1.13E-04	5.08E-04	8.40E-04	2.78E-05
24	742179.39	4109799.32	4.89E-03	8.92E-03	4.90E-04	7.59E-04	1.46E-03	7.35E-05	7.38E-04	1.26E-03	9.33E-05	4.19E-04	6.94E-04	2.30E-05
25	742320.31	4109936.63	6.32E-03	1.15E-02	6.32E-04	9.80E-04	1.89E-03	9.48E-05	9.53E-04	1.62E-03	1.20E-04	5.41E-04	8.96E-04	2.97E-05
26	742324.75	4109959.1	4.39E-03	7.99E-03	4.39E-04	6.80E-04	1.31E-03	6.58E-05	6.61E-04	1.13E-03	8.36E-05	3.76E-04	6.22E-04	2.06E-05
27	742329.2	4109981.57	3.29E-03	6.00E-03	3.29E-04	5.11E-04	9.84E-04	4.94E-05	4.97E-04	8.46E-04	6.27E-05	2.82E-04	4.67E-04	1.55E-05
28	742333.65	4110004.04	2.60E-03	4.73E-03	2.60E-04	4.03E-04	7.76E-04	3.90E-05	3.91E-04	6.67E-04	4.95E-05	2.22E-04	3.68E-04	1.22E-05
29	742325.39	4110045.57	1.99E-03	3.62E-03	1.99E-04	3.08E-04	5.94E-04	2.98E-05	3.00E-04	5.11E-04	3.79E-05	1.70E-04	2.82E-04	9.34E-06
30	742312.68	4110064.63	1.87E-03	3.40E-03	1.87E-04	2.90E-04	5.58E-04	2.80E-05	2.82E-04	4.80E-04	3.56E-05	1.60E-04	2.65E-04	8.78E-06
31	742299.97	4110083.69	1.75E-03	3.19E-03	1.75E-04	2.72E-04	5.23E-04	2.63E-05	2.64E-04	4.50E-04	3.34E-05	1.50E-04	2.48E-04	8.23E-06
32	742287.26	4110102.75	1.64E-03	2.99E-03	1.64E-04	2.55E-04	4.91E-04	2.47E-05	2.48E-04	4.23E-04	3.13E-05	1.41E-04	2.33E-04	7.72E-06
33	742319.5	4109887.29	1.15E-02	2.09E-02	1.15E-03	1.78E-03	3.43E-03	1.72E-04	1.73E-03	2.95E-03	2.19E-04	9.85E-04	1.63E-03	5.40E-05
34	742305.95	4109866.93	1.21E-02	2.21E-02	1.21E-03	1.88E-03	3.63E-03	1.82E-04	1.83E-03	3.12E-03	2.31E-04	1.04E-03	1.72E-03	5.70E-05
35	742285.44	4109848.89	1.07E-02	1.94E-02	1.07E-03	1.65E-03	3.19E-03	1.60E-04	1.61E-03	2.74E-03	2.03E-04	9.14E-04	1.51E-03	5.01E-05
36	742271.89	4109828.53	6.85E-03	1.25E-02	6.85E-04	1.06E-03	2.05E-03	1.03E-04	1.03E-03	1.76E-03	1.30E-04	5.87E-04	9.71E-04	3.22E-05
37	742258.34	4109808.16	5.14E-03	9.37E-03	5.15E-04	7.97E-04	1.54E-03	7.72E-05	7.75E-04	1.32E-03	9.80E-05	4.41E-04	7.29E-04	2.42E-05
38	742234.57	4109791.99	4.42E-03	8.05E-03	4.42E-04	6.85E-04	1.32E-03	6.63E-05	6.66E-04	1.14E-03	8.42E-05	3.79E-04	6.26E-04	2.08E-05
39	742221.02	4109771.62	3.70E-03	6.74E-03	3.70E-04	5.73E-04	1.10E-03	5.55E-05	5.57E-04	9.50E-04	7.04E-05	3.17E-04	5.24E-04	1.74E-05
40	742207.47	4109751.26	3.05E-03	5.55E-03	3.05E-04	4.72E-04	9.10E-04	4.57E-05	4.59E-04	7.83E-04	5.81E-05	2.61E-04	4.32E-04	1.43E-05
41	742361.72	4109907.86	4.69E-03	8.55E-03	4.70E-04	7.28E-04	1.40E-03	7.05E-05	7.08E-04	1.21E-03	8.95E-05	4.02E-04	6.66E-04	2.21E-05
42	742370.19	4109950.66	2.97E-03	5.40E-03	2.97E-04	4.60E-04	8.86E-04	4.45E-05	4.47E-04	7.62E-04	5.65E-05	2.54E-04	4.21E-04	1.39E-05
43	742378.67	4109993.47	2.03E-03	3.70E-03	2.03E-04	3.15E-04	6.07E-04	3.05E-05	3.06E-04	5.22E-04	3.87E-05	1.74E-04	2.88E-04	9.55E-06
44	742375.03	4110054.42	1.42E-03	2.59E-03	1.42E-04	2.20E-04	4.24E-04	2.13E-05	2.14E-04	3.65E-04	2.70E-05	1.22E-04	2.01E-04	6.67E-06
45	742350.82	4110090.73	1.29E-03	2.35E-03	1.29E-04	2.00E-04	3.85E-04	1.93E-05	1.94E-04	3.31E-04	2.45E-05	1.10E-04	1.83E-04	6.05E-06
46	742326.62	4110127.03	1.17E-03	2.13E-03	1.17E-04	1.81E-04	3.49E-04	1.75E-05	1.76E-04	3.00E-04	2.22E-05	1.00E-04	1.65E-04	5.48E-06
47	742343.94	4109866.09	7.20E-03	1.31E-02	7.20E-04	1.12E-03	2.15E-03	1.08E-04	1.09E-03	1.85E-03	1.37E-04	6.17E-04	1.02E-03	3.38E-05
48	742330.39	4109845.73	7.44E-03	1.36E-02	7.44E-04	1.15E-03	2.22E-03	1.12E-04	1.12E-03	1.91E-03	1.42E-04	6.37E-04	1.05E-03	3.50E-05
49	742316.84	4109825.37	6.46E-03	1.18E-02	6.46E-04	1.00E-03	1.93E-03	9.69E-05	9.74E-04	1.66E-03	1.23E-04	5.53E-04	9.16E-04	3.03E-05
50	742303.29	4109805.01	5.09E-03	9.28E-03	5.10E-04	7.90E-04	1.52E-03	7.64E-05	7.68E-04	1.31E-03	9.70E-05	4.36E-04	7.22E-04	2.39E-05
51	742289.74	4109784.65	4.10E-03	7.47E-03	4.10E-04	6.35E-04	1.22E-03	6.15E-05	6.18E-04	1.05E-03	7.81E-05	3.51E-04	5.81E-04	1.93E-05
52	742276.19	4109764.29	3.44E-03	6.27E-03	3.44E-04	5.33E-04	1.03E-03	5.16E-05	5.19E-04	8.84E-04	6.55E-05	2.95E-04	4.88E-04	1.62E-05
53	742262.64	4109743.93	2.92E-03	5.33E-03	2.93E-04	4.53E-04	8.74E-04	4.39E-05	4.41E-04	7.52E-04	5.57E-05	2.51E-04	4.15E-04	1.37E-05
54	742249.1	4109723.56	2.47E-03	4.50E-03	2.47E-04	3.83E-04	7.39E-04	3.71E-05	3.73E-04	6.36E-04	4.71E-05	2.12E-04	3.51E-04	1.16E-05
55	742403.75	4109882.16	3.30E-03	6.02E-03	3.30E-04	5.12E-04	9.87E-04	4.96E-05	4.98E-04	8.49E-04	6.29E-05	2.83E-04	4.68E-04	1.55E-05
56	742408.38	4109905.57	2.81E-03	5.11E-03	2.81E-04	4.35E-04	8.38E-04	4.21E-05	4.23E-04	7.21E-04	5.35E-05	2.40E-04	3.98E-04	1.32E-05
57	742413.01	4109928.98	2.35E-03	4.28E-03	2.35E-04	3.65E-04	7.02E-04	3.53E-05	3.55E-04	6.04E-04	4.48E-05	2.01E-04	3.33E-04	1.11E-05
58	742417.64	4109952.39	1.98E-03	3.61E-03	1.98E-04	3.07E-04	5.92E-04	2.97E-05	2.99E-04	5.10E-04	3.78E-05	1.70E-04	2.81E-04	9.31E-06
59	742422.28	4109975.8	1.69E-03	3.07E-03	1.69E-04	2.62E-04	5.04E-04	2.53E-05	2.54E-04	4.34E-04	3.22E-05	1.45E-04	2.39E-04	7.93E-06
60	742426.91	4109999.21	1.45E-03	2.64E-03	1.45E-04	2.25E-04	4.33E-04	2.18E-05	2.19E-04	3.73E-04	2.76E-05	1.24E-04	2.06E-04	6.82E-06
61	742431.54	4110022.62	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.76E-04	1.89E-05	1.90E-04	3.24E-04	2.40E-05	1.08E-04	1.79E-04	5.92E-06
62	742422.94	4110065.88	1.07E-03	1.95E-03	1.07E-04	1.66E-04	3.19E-04	1.60E-05	1.61E-04	2.75E-04	2.03E-05	9.15E-05	1.51E-04	5.02E-06
63	742409.7	4110085.73	1.03E-03	1.87E-03	1.03E-04	1.59E-04	3.06E-04	1.54E-05	1.55E-04	2.64E-04	1.95E-05	8.79E-05	1.45E-04	4.82E-06
64	742396.46	4110105.59	9.81E-04	1.79E-03	9.81E-05	1.52E-04	2.93E-04	1.47E-05	1.48E-04	2.52E-04	1.87E-05	8.40E-05	1.39E-04	4.61E-06
65	742383.22	4110125.44	9.36E-04	1.71E-03	9.37E-05	1.45E-04	2.80E-04	1.41E-05	1.41E-04	2.41E-04	1.78E-05	8.02E-05	1.33E-04	4.40E-06
66	742369.98	4110145.29	8.95E-04	1.63E-03	8.95E-05	1.39E-04	2.67E-04	1.34E-05	1.35E-04	2.30E-04	1.70E-05	7.66E-05	1.27E-04	4.20E-06
67	742356.74	4110165.15	8.55E-04	1.56E-03	8.55E-05	1.33E-04	2.55E-04	1.28E-05	1.29E-04	2.20E-04	1.63E-05	7.33E-05	1.21E-04	4.02E-06
68	742343.51	4110185	8.15E-04	1.49E-03	8.16E-05	1.26E-04	2.44E-04	1.22E-05	1.23E-04	2.10E-04	1.55E-05	6.99E-05	1.16E-04	3.83E-06

69	742399.11	4109858.75	3.74E-03	6.82E-03	3.74E-04	5.80E-04	1.12E-03	5.62E-05	5.64E-04	9.62E-04	7.13E-05	3.21E-04	5.31E-04	1.76E-05
70	742385.56	4109838.39	4.31E-03	7.85E-03	4.31E-04	6.68E-04	1.29E-03	6.46E-05	6.49E-04	1.11E-03	8.21E-05	3.69E-04	6.11E-04	2.02E-05
71	742372.01	4109818.03	4.49E-03	8.18E-03	4.49E-04	6.96E-04	1.34E-03	6.74E-05	6.77E-04	1.15E-03	8.56E-05	3.85E-04	6.37E-04	2.11E-05
72	742358.47	4109797.67	4.22E-03	7.69E-03	4.22E-04	6.55E-04	1.26E-03	6.34E-05	6.37E-04	1.09E-03	8.04E-05	3.62E-04	5.99E-04	1.98E-05
73	742344.92	4109777.31	3.71E-03	6.75E-03	3.71E-04	5.75E-04	1.11E-03	5.56E-05	5.59E-04	9.53E-04	7.06E-05	3.18E-04	5.25E-04	1.74E-05
74	742331.37	4109756.95	3.18E-03	5.79E-03	3.18E-04	4.93E-04	9.50E-04	4.77E-05	4.79E-04	8.17E-04	6.06E-05	2.72E-04	4.51E-04	1.49E-05
75	742317.82	4109736.59	2.74E-03	4.99E-03	2.74E-04	4.25E-04	8.18E-04	4.11E-05	4.13E-04	7.04E-04	5.22E-05	2.35E-04	3.88E-04	1.29E-05
76	742304.27	4109716.23	2.37E-03	4.32E-03	2.37E-04	3.68E-04	7.08E-04	3.56E-05	3.58E-04	6.09E-04	4.52E-05	2.03E-04	3.36E-04	1.11E-05
77	742290.72	4109695.86	2.04E-03	3.72E-03	2.05E-04	3.17E-04	6.11E-04	3.07E-05	3.08E-04	5.25E-04	3.90E-05	1.75E-04	2.90E-04	9.61E-06
78	742445.19	4109853.53	2.49E-03	4.54E-03	2.49E-04	3.86E-04	7.44E-04	3.74E-05	3.76E-04	6.40E-04	4.75E-05	2.13E-04	3.53E-04	1.17E-05
79	742449.63	4109876	2.24E-03	4.07E-03	2.24E-04	3.47E-04	6.68E-04	3.36E-05	3.37E-04	5.75E-04	4.26E-05	1.92E-04	3.17E-04	1.05E-05
80	742454.08	4109898.47	1.97E-03	3.60E-03	1.98E-04	3.06E-04	5.90E-04	2.96E-05	2.98E-04	5.08E-04	3.76E-05	1.69E-04	2.80E-04	9.28E-06
81	742458.53	4109920.95	1.73E-03	3.15E-03	1.73E-04	2.68E-04	5.17E-04	2.60E-05	2.61E-04	4.45E-04	3.30E-05	1.48E-04	2.45E-04	8.13E-06
82	742462.98	4109943.42	1.52E-03	2.77E-03	1.52E-04	2.35E-04	4.53E-04	2.28E-05	2.29E-04	3.90E-04	2.89E-05	1.30E-04	2.15E-04	7.13E-06
83	742467.42	4109965.89	1.34E-03	2.44E-03	1.34E-04	2.08E-04	4.00E-04	2.01E-05	2.02E-04	3.44E-04	2.55E-05	1.15E-04	1.90E-04	6.29E-06
84	742471.87	4109988.36	1.19E-03	2.16E-03	1.19E-04	1.84E-04	3.55E-04	1.78E-05	1.79E-04	3.05E-04	2.26E-05	1.02E-04	1.68E-04	5.58E-06
85	742476.32	4110010.83	1.06E-03	1.93E-03	1.06E-04	1.64E-04	3.16E-04	1.59E-05	1.60E-04	2.72E-04	2.02E-05	9.06E-05	1.50E-04	4.97E-06
86	742480.77	4110033.31	9.46E-04	1.72E-03	9.47E-05	1.47E-04	2.83E-04	1.42E-05	1.43E-04	2.43E-04	1.80E-05	8.11E-05	1.34E-04	4.45E-06
87	742472.51	4110074.84	8.36E-04	1.52E-03	8.36E-05	1.30E-04	2.50E-04	1.25E-05	1.26E-04	2.15E-04	1.59E-05	7.16E-05	1.18E-04	3.93E-06
88	742459.8	4110093.9	8.15E-04	1.49E-03	8.16E-05	1.26E-04	2.44E-04	1.22E-05	1.23E-04	2.10E-04	1.55E-05	6.99E-05	1.16E-04	3.83E-06
89	742447.09	4110112.96	7.89E-04	1.44E-03	7.90E-05	1.22E-04	2.36E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.76E-05	1.12E-04	3.71E-06
90	742434.38	4110132.02	7.61E-04	1.39E-03	7.61E-05	1.18E-04	2.27E-04	1.14E-05	1.15E-04	1.96E-04	1.45E-05	6.52E-05	1.08E-04	3.57E-06
91	742421.67	4110151.08	7.32E-04	1.33E-03	7.33E-05	1.14E-04	2.19E-04	1.10E-05	1.10E-04	1.88E-04	1.40E-05	6.27E-05	1.04E-04	3.44E-06
92	742408.96	4110170.14	7.05E-04	1.28E-03	7.05E-05	1.09E-04	2.11E-04	1.06E-05	1.06E-04	1.81E-04	1.34E-05	6.04E-05	1.00E-04	3.31E-06
93	742396.25	4110189.2	6.79E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.81E-05	9.62E-05	3.19E-06
94	742383.54	4110208.26	6.51E-04	1.19E-03	6.52E-05	1.01E-04	1.95E-04	9.77E-06	9.82E-05	1.67E-04	1.24E-05	5.58E-05	9.23E-05	3.06E-06
95	742370.83	4110227.31	6.22E-04	1.13E-03	6.22E-05	9.65E-05	1.86E-04	9.34E-06	9.38E-05	1.60E-04	1.19E-05	5.33E-05	8.82E-05	2.92E-06
96	742440.74	4109831.06	2.70E-03	4.92E-03	2.70E-04	4.19E-04	8.07E-04	4.05E-05	4.07E-04	6.94E-04	5.14E-05	2.31E-04	3.83E-04	1.27E-05
97	742427.19	4109810.69	3.00E-03	5.46E-03	3.00E-04	4.65E-04	8.95E-04	4.50E-05	4.52E-04	7.70E-04	5.71E-05	2.57E-04	4.25E-04	1.41E-05
98	742413.64	4109790.33	3.12E-03	5.68E-03	3.12E-04	4.84E-04	9.32E-04	4.68E-05	4.70E-04	8.02E-04	5.94E-05	2.67E-04	4.42E-04	1.47E-05
99	742400.09	4109769.97	3.04E-03	5.53E-03	3.04E-04	4.71E-04	9.07E-04	4.56E-05	4.58E-04	7.81E-04	5.79E-05	2.60E-04	4.31E-04	1.43E-05
100	742386.54	4109749.61	2.81E-03	5.12E-03	2.81E-04	4.36E-04	8.39E-04	4.22E-05	4.24E-04	7.22E-04	5.35E-05	2.41E-04	3.98E-04	1.32E-05
101	742373	4109729.25	2.52E-03	4.59E-03	2.52E-04	3.90E-04	7.52E-04	3.78E-05	3.80E-04	6.47E-04	4.80E-05	2.16E-04	3.57E-04	1.18E-05
102	742359.45	4109708.89	2.22E-03	4.05E-03	2.22E-04	3.45E-04	6.64E-04	3.34E-05	3.35E-04	5.71E-04	4.24E-05	1.90E-04	3.15E-04	1.04E-05
103	742345.9	4109688.53	1.96E-03	3.56E-03	1.96E-04	3.03E-04	5.84E-04	2.93E-05	2.95E-04	5.03E-04	3.73E-05	1.68E-04	2.77E-04	9.19E-06
104	742332.35	4109668.17	1.71E-03	3.12E-03	1.72E-04	2.66E-04	5.12E-04	2.57E-05	2.59E-04	4.41E-04	3.27E-05	1.47E-04	2.43E-04	8.06E-06
105	742528.55	4109798.71	1.57E-03	2.86E-03	1.57E-04	2.43E-04	4.69E-04	2.35E-05	2.37E-04	4.03E-04	2.99E-05	1.34E-04	2.22E-04	7.37E-06
106	742533.12	4109821.75	1.46E-03	2.66E-03	1.46E-04	2.27E-04	4.37E-04	2.19E-05	2.20E-04	3.76E-04	2.79E-05	1.25E-04	2.07E-04	6.87E-06
107	742537.68	4109844.8	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.03E-05	2.04E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.35E-06
108	742542.24	4109867.85	1.24E-03	2.26E-03	1.24E-04	1.93E-04	3.71E-04	1.86E-05	1.87E-04	3.19E-04	2.37E-05	1.06E-04	1.76E-04	5.84E-06
109	742546.8	4109890.9	1.14E-03	2.07E-03	1.14E-04	1.76E-04	3.40E-04	1.71E-05	1.71E-04	2.92E-04	2.17E-05	9.74E-05	1.61E-04	5.34E-06
110	742551.36	4109913.95	1.03E-03	1.89E-03	1.04E-04	1.60E-04	3.09E-04	1.55E-05	1.56E-04	2.66E-04	1.97E-05	8.87E-05	1.47E-04	4.86E-06
111	742555.92	4109937	9.40E-04	1.71E-03	9.40E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.42E-04	1.79E-05	8.05E-05	1.33E-04	4.42E-06
112	742560.49	4109960.05	8.54E-04	1.56E-03	8.55E-05	1.32E-04	2.55E-04	1.28E-05	1.29E-04	2.20E-04	1.63E-05	7.32E-05	1.21E-04	4.02E-06
113	742565.05	4109983.09	7.79E-04	1.42E-03	7.80E-05	1.21E-04	2.33E-04	1.17E-05	1.18E-04	2.00E-04	1.48E-05	6.68E-05	1.10E-04	3.66E-06
114	742569.61	4110006.14	7.13E-04	1.30E-03	7.14E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.83E-04	1.36E-05	6.11E-05	1.01E-04	3.35E-06
115	742574.17	4110029.19	6.55E-04	1.19E-03	6.56E-05	1.02E-04	1.96E-04	9.83E-06	9.88E-05	1.68E-04	1.25E-05	5.61E-05	9.29E-05	3.08E-06
116	742578.73	4110052.24	6.04E-04	1.10E-03	6.04E-05	9.37E-05	1.80E-04	9.06E-06	9.11E-05	1.55E-04	1.15E-05	5.17E-05	8.56E-05	2.84E-06
117	742570.26	4110094.84	5.53E-04	1.01E-03	5.54E-05	8.58E-05	1.65E-04	8.31E-06	8.34E-05	1.42E-04	1.05E-05	4.74E-05	7.85E-05	2.60E-06
118	742557.22	4110114.39	5.46E-04	9.96E-04	5.47E-05	8.47E-05	1.63E-04	8.20E-06	8.24E-05	1.40E-04	1.04E-05	4.68E-05	7.75E-05	2.57E-06
119	742544.19	4110133.93	5.38E-04	9.80E-04	5.38E-05	8.34E-05	1.61E-04	8.07E-06	8.11E-05	1.38E-04	1.02E-05	4.61E-05	7.63E-05	2.53E-06
120	742531.15	4110153.48	5.27E-04	9.61E-04	5.27E-05	8.17E-05	1.57E-04	7.91E-06	7.95E-05	1.36E-04	1.00E-05	4.52E-05	7.47E-05	2.48E-06
121	742518.12	4110173.03	5.14E-04	9.37E-04	5.15E-05	7.98E-05	1.54E-04	7.72E-06	7.76E-05	1.32E-04	9.80E-06	4.41E-05	7.29E-05	2.42E-06
122	742505.08	4110192.58	5.00E-04	9.10E-04	5.00E-05	7.75E-05	1.49E-04	7.50E-06	7.53E-05	1.28E-04	9.52E-06	4.28E-05	7.08E-05	2.35E-06
123	742492.05	4110212.13	4.84E-04	8.82E-04	4.84E-05	7.51E-05	1.45E-04	7.27E-06	7.30E-05	1.24E-04	9.22E-06	4.15E-05	6.86E-05	2.27E-06
124	742479.01	4110231.67	4.69E-04	8.54E-04	4.69E-05	7.27E-05	1.40E-04	7.03E-06	7.07E-05	1.20E-04	8.93E-06	4.02E-05	6.64E-05	2.20E-06
125	742465.98	4110251.22	4.52E-04	8.24E-04	4.52E-05	7.01E-05	1.35E-04	6.79E-06	6.82E-05	1.16E-04	8.61E-06	3.87E-05	6.41E-05	2.12E-06
126	742452.94	4110270.77	4.35E-04	7.92E-04	4.35E-05	6.74E-05	1.30E-04	6.53E-06	6.56E-05	1.12E-04	8.29E-06	3.73E-05	6.17E-05	2.04E-06
127	742439.91	4110290.32	4.16E-04	7.58E-04	4.16E-05	6.45E-05	1.24E-04	6.24E-06	6.27E-05	1.07E-04	7.93E-06	3.56E-05	5.90E-05	1.96E-06
128	742426.87	4110309.87	3.96E-04	7.21E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.54E-06	3.39E-05	5.61E-05	1.86E-06
129	742523.99	4109775.66	1.65E-03	3.01E-03	1.65E-04	2.56E-04	4.94E-04	2.48E-05	2.49E-04	4.25E-04	3.15E-05	1.42E-04	2.34E-04	7.77E-06
130	742510.44	4109755.3	1.77E-03	3.23E-03	1.77E-04	2.75E-04	5.30E-04	2.66E-05	2.67E-04	4.56E-04	3.38E-05	1.52E-04	2.51E-04	8.33E-06
131	742496.89	4109734.94	1.83E-03	3.34E-03	1.83E-04	2.84E-04	5.48E-04	2.75E-05	2.76E-04	4.71E-04	3.49E-05	1.57E-04	2.60E-04	8.61E-06
132	742483.35	4109714.57	1.83E-03	3.34E-03	1.83E-04	2.84E-04	5.47E-04	2.75E-05	2.76E-04	4.71E-04	3.49E-05	1.57E-04	2.60E-04	8.60E-06
133	742469.8	4109694.21	1.77E-03	3.23E-03	1.77E-04	2.75E-04	5.30E-04	2.66E-05	2.67E-04	4.56E-04	3.38E-05	1.52E-04	2.51E-04	8.33E-06
134	742456.25	4109673.85	1.67E-03	3.04E-03	1.67E-04	2.59E-04	4.99E-04	2.51E-05	2.52E-04	4.30E-04	3.18E-05	1.43E-04	2.37E-04	7.85E-06
135	742442.7	4109653.49	1.54E-03	2.81E-03	1.54E-04	2.39E-04	4.60E-04	2.31E-05	2.32E-04	3.96E-04	2.93E-05	1.32E-04	2.18E-04	7.24E-06
136	742429.15	4109633.13	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.17E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.56E-06
137	742415.6	4109612.77	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.75E-04	1.88E-05	1.89E-04	3.23E-04	2.39E-05	1.08E-04	1.78E-04	5.90E-06
138	742611.88	4109743.67	1.10E-03	2.01E-03	1.10E-04	1.71E-04	3.29E-04	1.65E-05	1.66E-04	2.83E-04	2.10E-05	9.43E-05	1.56E-04	5.17E-06
139	742616.51	4109767.08	1.04E-03	1.90E-03	1.04E-04	1.62E-04	3.11E-04	1.56E-05	1.57E-04	2.68E-04	1.99E-05	8.93E-05	1.48E-04	4.90E-06
140	742621.14	4109790.49	9.78E-04	1.78E-03	9.78E-05	1.52E-04	2.92E-04	1.47E-05	1.47E-04	2.51E-04	1.86E-05	8.38E-05	1.39E-04	4.60E-06

141	742625.78	4109813.89	9.17E-04	1.67E-03	9.17E-05	1.42E-04	2.74E-04	1.38E-05	1.38E-04	2.36E-04	1.75E-05	7.85E-05	1.30E-04	4.31E-06
142	742630.41	4109837.3	8.60E-04	1.57E-03	8.61E-05	1.33E-04	2.57E-04	1.29E-05	1.30E-04	2.21E-04	1.64E-05	7.37E-05	1.22E-04	4.04E-06
143	742635.04	4109860.71	8.06E-04	1.47E-03	8.07E-05	1.25E-04	2.41E-04	1.21E-05	1.22E-04	2.07E-04	1.54E-05	6.91E-05	1.14E-04	3.79E-06
144	742639.68	4109884.12	7.53E-04	1.37E-03	7.53E-05	1.17E-04	2.25E-04	1.13E-05	1.13E-04	1.93E-04	1.43E-05	6.45E-05	1.07E-04	3.54E-06
145	742644.31	4109907.53	6.99E-04	1.27E-03	6.99E-05	1.08E-04	2.09E-04	1.05E-05	1.05E-04	1.80E-04	1.33E-05	5.99E-05	9.91E-05	3.29E-06
146	742648.94	4109930.94	6.47E-04	1.18E-03	6.48E-05	1.00E-04	1.93E-04	9.72E-06	9.76E-05	1.66E-04	1.23E-05	5.55E-05	9.18E-05	3.04E-06
147	742653.57	4109954.35	5.99E-04	1.09E-03	5.99E-05	9.28E-05	1.79E-04	8.98E-06	9.03E-05	1.54E-04	1.14E-05	5.13E-05	8.49E-05	2.81E-06
148	742658.21	4109977.76	5.54E-04	1.01E-03	5.54E-05	8.59E-05	1.66E-04	8.32E-06	8.36E-05	1.42E-04	1.06E-05	4.75E-05	7.86E-05	2.60E-06
149	742662.84	4110001.16	5.15E-04	9.38E-04	5.15E-05	7.98E-05	1.54E-04	7.72E-06	7.76E-05	1.32E-04	9.81E-06	4.41E-05	7.30E-05	2.42E-06
150	742667.47	4110024.57	4.80E-04	8.75E-04	4.80E-05	7.44E-05	1.43E-04	7.20E-06	7.24E-05	1.23E-04	9.15E-06	4.11E-05	6.81E-05	2.26E-06
151	742672.11	4110047.98	4.50E-04	8.20E-04	4.50E-05	6.98E-05	1.34E-04	6.75E-06	6.78E-05	1.16E-04	8.57E-06	3.86E-05	6.38E-05	2.11E-06
152	742676.74	4110071.39	4.23E-04	7.71E-04	4.24E-05	6.56E-05	1.26E-04	6.35E-06	6.38E-05	1.09E-04	8.07E-06	3.63E-05	6.00E-05	1.99E-06
153	742668.13	4110114.65	3.99E-04	7.26E-04	3.99E-05	6.18E-05	1.19E-04	5.98E-06	6.01E-05	1.02E-04	7.60E-06	3.42E-05	5.65E-05	1.87E-06
154	742654.89	4110134.51	3.96E-04	7.22E-04	3.97E-05	6.15E-05	1.18E-04	5.95E-06	5.98E-05	1.02E-04	7.55E-06	3.40E-05	5.62E-05	1.86E-06
155	742641.66	4110154.36	3.93E-04	7.16E-04	3.93E-05	6.09E-05	1.17E-04	5.90E-06	5.92E-05	1.01E-04	7.49E-06	3.37E-05	5.57E-05	1.85E-06
156	742628.42	4110174.21	3.88E-04	7.07E-04	3.88E-05	6.02E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
157	742615.18	4110194.07	3.82E-04	6.96E-04	3.82E-05	5.93E-05	1.14E-04	5.74E-06	5.76E-05	9.82E-05	7.28E-06	3.27E-05	5.42E-05	1.80E-06
158	742601.94	4110213.92	3.76E-04	6.84E-04	3.76E-05	5.83E-05	1.12E-04	5.64E-06	5.66E-05	9.66E-05	7.16E-06	3.22E-05	5.33E-05	1.77E-06
159	742588.7	4110233.77	3.68E-04	6.71E-04	3.68E-05	5.71E-05	1.10E-04	5.53E-06	5.55E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
160	742575.46	4110253.63	3.59E-04	6.55E-04	3.60E-05	5.57E-05	1.07E-04	5.39E-06	5.42E-05	9.24E-05	6.85E-06	3.08E-05	5.10E-05	1.69E-06
161	742562.22	4110273.48	3.49E-04	6.36E-04	3.49E-05	5.41E-05	1.04E-04	5.24E-06	5.26E-05	8.97E-05	6.65E-06	2.99E-05	4.95E-05	1.64E-06
162	742548.99	4110293.34	3.37E-04	6.15E-04	3.38E-05	5.23E-05	1.01E-04	5.06E-06	5.09E-05	8.67E-05	6.43E-06	2.89E-05	4.78E-05	1.59E-06
163	742535.75	4110313.19	3.25E-04	5.93E-04	3.26E-05	5.04E-05	9.72E-05	4.88E-06	4.91E-05	8.36E-05	6.20E-06	2.79E-05	4.61E-05	1.53E-06
164	742522.51	4110333.04	3.13E-04	5.70E-04	3.13E-05	4.86E-05	9.35E-05	4.70E-06	4.72E-05	8.05E-05	5.97E-06	2.68E-05	4.44E-05	1.47E-06
165	742509.27	4110352.9	3.01E-04	5.48E-04	3.01E-05	4.66E-05	8.99E-05	4.51E-06	4.54E-05	7.73E-05	5.73E-06	2.58E-05	4.26E-05	1.41E-06
166	742496.03	4110372.75	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.61E-05	4.33E-06	4.35E-05	7.41E-05	5.49E-06	2.47E-05	4.09E-05	1.35E-06
167	742482.79	4110392.6	2.76E-04	5.02E-04	2.76E-05	4.27E-05	8.23E-05	4.14E-06	4.16E-05	7.08E-05	5.25E-06	2.36E-05	3.91E-05	1.29E-06
168	742607.24	4109720.26	1.14E-03	2.08E-03	1.14E-04	1.77E-04	3.42E-04	1.72E-05	1.72E-04	2.94E-04	2.18E-05	9.80E-05	1.62E-04	5.38E-06
169	742593.7	4109699.9	1.21E-03	2.20E-03	1.21E-04	1.87E-04	3.60E-04	1.81E-05	1.82E-04	3.10E-04	2.30E-05	1.03E-04	1.71E-04	5.66E-06
170	742580.15	4109679.54	1.24E-03	2.26E-03	1.24E-04	1.92E-04	3.70E-04	1.86E-05	1.87E-04	3.19E-04	2.36E-05	1.06E-04	1.76E-04	5.82E-06
171	742566.6	4109659.18	1.24E-03	2.27E-03	1.24E-04	1.93E-04	3.72E-04	1.87E-05	1.88E-04	3.20E-04	2.37E-05	1.07E-04	1.76E-04	5.85E-06
172	742553.05	4109638.81	1.22E-03	2.23E-03	1.22E-04	1.90E-04	3.65E-04	1.83E-05	1.84E-04	3.14E-04	2.33E-05	1.05E-04	1.73E-04	5.74E-06
173	742539.5	4109618.45	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.52E-04	1.77E-05	1.78E-04	3.03E-04	2.25E-05	1.01E-04	1.67E-04	5.54E-06
174	742525.95	4109598.09	1.12E-03	2.03E-03	1.12E-04	1.73E-04	3.34E-04	1.68E-05	1.68E-04	2.87E-04	2.13E-05	9.57E-05	1.58E-04	5.25E-06
175	742512.4	4109577.73	1.04E-03	1.90E-03	1.04E-04	1.62E-04	3.11E-04	1.56E-05	1.57E-04	2.68E-04	1.99E-05	8.93E-05	1.48E-04	4.90E-06
176	742498.85	4109557.37	9.62E-04	1.75E-03	9.62E-05	1.49E-04	2.87E-04	1.44E-05	1.45E-04	2.47E-04	1.83E-05	8.24E-05	1.36E-04	4.52E-06
177	742695.18	4109688.52	8.25E-04	1.50E-03	8.25E-05	1.28E-04	2.46E-04	1.24E-05	1.24E-04	2.12E-04	1.57E-05	7.07E-05	1.17E-04	3.88E-06
178	742699.86	4109712.17	7.89E-04	1.44E-03	7.90E-05	1.22E-04	2.36E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.76E-05	1.12E-04	3.71E-06
179	742704.54	4109735.83	7.47E-04	1.36E-03	7.48E-05	1.16E-04	2.23E-04	1.12E-05	1.13E-04	1.92E-04	1.42E-05	6.40E-05	1.06E-04	3.51E-06
180	742709.22	4109759.48	7.05E-04	1.28E-03	7.05E-05	1.09E-04	2.11E-04	1.06E-05	1.06E-04	1.81E-04	1.34E-05	6.04E-05	9.99E-05	3.31E-06
181	742713.91	4109783.14	6.66E-04	1.21E-03	6.67E-05	1.03E-04	1.99E-04	1.00E-05	1.00E-04	1.71E-04	1.27E-05	5.71E-05	9.45E-05	3.13E-06
182	742718.59	4109806.79	6.33E-04	1.15E-03	6.33E-05	9.82E-05	1.89E-04	9.50E-06	9.55E-05	1.63E-04	1.21E-05	5.42E-05	8.97E-05	2.97E-06
183	742723.27	4109830.45	6.03E-04	1.10E-03	6.03E-05	9.34E-05	1.80E-04	9.04E-06	9.09E-05	1.55E-04	1.15E-05	5.16E-05	8.54E-05	2.83E-06
184	742727.95	4109854.1	5.72E-04	1.04E-03	5.72E-05	8.87E-05	1.71E-04	8.59E-06	8.63E-05	1.47E-04	1.09E-05	4.90E-05	8.11E-05	2.69E-06
185	742732.63	4109877.76	5.41E-04	9.85E-04	5.41E-05	8.38E-05	1.62E-04	8.12E-06	8.15E-05	1.39E-04	1.03E-05	4.63E-05	7.67E-05	2.54E-06
186	742737.31	4109901.41	5.08E-04	9.26E-04	5.09E-05	7.88E-05	1.52E-04	7.63E-06	7.67E-05	1.31E-04	9.69E-06	4.36E-05	7.21E-05	2.39E-06
187	742742	4109925.07	4.76E-04	8.68E-04	4.77E-05	7.39E-05	1.42E-04	7.15E-06	7.18E-05	1.22E-04	9.08E-06	4.08E-05	6.75E-05	2.24E-06
188	742746.68	4109948.72	4.45E-04	8.12E-04	4.46E-05	6.91E-05	1.33E-04	6.69E-06	6.72E-05	1.15E-04	8.49E-06	3.82E-05	6.32E-05	2.09E-06
189	742751.36	4109972.38	4.17E-04	7.59E-04	4.17E-05	6.46E-05	1.24E-04	6.25E-06	6.28E-05	1.07E-04	7.94E-06	3.57E-05	5.91E-05	1.96E-06
190	742756.04	4109996.03	3.91E-04	7.12E-04	3.91E-05	6.06E-05	1.17E-04	5.86E-06	5.89E-05	1.00E-04	7.44E-06	3.35E-05	5.54E-05	1.84E-06
191	742760.72	4110019.69	3.67E-04	6.70E-04	3.68E-05	5.70E-05	1.10E-04	5.51E-06	5.54E-05	9.45E-05	7.00E-06	3.15E-05	5.21E-05	1.73E-06
192	742765.41	4110043.34	3.48E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
193	742770.09	4110067	3.30E-04	6.02E-04	3.31E-05	5.12E-05	9.87E-05	4.96E-06	4.98E-05	8.49E-05	6.30E-06	2.83E-05	4.68E-05	1.55E-06
194	742774.77	4110090.65	3.15E-04	5.75E-04	3.16E-05	4.89E-05	9.42E-05	4.73E-06	4.76E-05	8.11E-05	6.01E-06	2.70E-05	4.47E-05	1.48E-06
195	742766.07	4110134.37	3.03E-04	5.52E-04	3.03E-05	4.70E-05	9.05E-05	4.55E-06	4.57E-05	7.79E-05	5.77E-06	2.60E-05	4.30E-05	1.42E-06
196	742752.69	4110154.43	3.03E-04	5.52E-04	3.03E-05	4.70E-05	9.05E-05	4.55E-06	4.57E-05	7.79E-05	5.77E-06	2.60E-05	4.30E-05	1.42E-06
197	742739.32	4110174.5	3.02E-04	5.50E-04	3.02E-05	4.68E-05	9.02E-05	4.53E-06	4.55E-05	7.76E-05	5.76E-06	2.59E-05	4.28E-05	1.42E-06
198	742725.94	4110194.56	3.00E-04	5.47E-04	3.00E-05	4.65E-05	8.97E-05	4.50E-06	4.53E-05	7.72E-05	5.72E-06	2.57E-05	4.26E-05	1.41E-06
199	742712.56	4110214.62	2.97E-04	5.41E-04	2.97E-05	4.60E-05	8.87E-05	4.46E-06	4.48E-05	7.63E-05	5.66E-06	2.54E-05	4.21E-05	1.40E-06
200	742699.18	4110234.68	2.93E-04	5.34E-04	2.93E-05	4.54E-05	8.75E-05	4.40E-06	4.42E-05	7.53E-05	5.58E-06	2.51E-05	4.15E-05	1.38E-06
201	742685.8	4110254.75	2.89E-04	5.26E-04	2.89E-05	4.48E-05	8.62E-05	4.33E-06	4.35E-05	7.42E-05	5.50E-06	2.47E-05	4.09E-05	1.36E-06
202	742672.43	4110274.81	2.84E-04	5.18E-04	2.84E-05	4.41E-05	8.49E-05	4.26E-06	4.28E-05	7.30E-05	5.41E-06	2.43E-05	4.03E-05	1.34E-06
203	742659.05	4110294.87	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.33E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
204	742645.67	4110314.93	2.73E-04	4.97E-04	2.73E-05	4.23E-05	8.14E-05	4.09E-06	4.11E-05	7.01E-05	5.19E-06	2.34E-05	3.86E-05	1.28E-06
205	742632.29	4110335	2.65E-04	4.82E-04	2.65E-05	4.10E-05	7.91E-05	3.97E-06	3.99E-05	6.80E-05	5.04E-06	2.27E-05	3.75E-05	1.24E-06
206	742618.91	4110355.06	2.56E-04	4.66E-04	2.56E-05	3.96E-05	7.64E-05	3.84E-06	3.86E-05	6.57E-05	4.87E-06	2.19E-05	3.62E-05	1.20E-06
207	742605.54	4110375.12	2.46E-04	4.49E-04	2.47E-05	3.82E-05	7.36E-05	3.70E-06	3.72E-05	6.33E-05	4.70E-06	2.11E-05	3.49E-05	1.16E-06
208	742592.16	4110395.19	2.38E-04	4.33E-04	2.38E-05	3.68E-05	7.10E-05	3.57E-06	3.58E-05	6.11E-05	4.53E-06	2.04E-05	3.37E-05	1.12E-06
209	742578.78	4110415.25	2.30E-04	4.18E-04	2.30E-05	3.56E-05	6.86E-05	3.45E-06	3.46E-05	5.90E-05	4.37E-06	1.97E-05	3.25E-05	1.08E-06
210	742565.4	4110435.31	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.70E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
211	742552.02	4110455.37	2.14E-04	3.90E-04	2.14E-05	3.32E-05	6.40E-05	3.21E-06	3.23E-05	5.50E-05	4.08E-06	1.83E-05	3.04E-05	1.01E-06
212	742538.65	4110475.44	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.11E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07

213	742690.5	4109664.86	8.50E-04	1.55E-03	8.50E-05	1.32E-04	2.54E-04	1.28E-05	1.28E-04	2.18E-04	1.62E-05	7.28E-05	1.20E-04	3.99E-06
214	742676.95	4109644.5	8.85E-04	1.61E-03	8.86E-05	1.37E-04	2.64E-04	1.33E-05	1.33E-04	2.28E-04	1.69E-05	7.59E-05	1.26E-04	4.16E-06
215	742663.4	4109624.14	9.05E-04	1.65E-03	9.06E-05	1.40E-04	2.71E-04	1.36E-05	1.37E-04	2.33E-04	1.73E-05	7.76E-05	1.28E-04	4.26E-06
216	742649.85	4109603.78	9.10E-04	1.66E-03	9.10E-05	1.41E-04	2.72E-04	1.37E-05	1.37E-04	2.34E-04	1.73E-05	7.79E-05	1.29E-04	4.27E-06
217	742636.3	4109583.42	8.99E-04	1.64E-03	9.00E-05	1.39E-04	2.69E-04	1.35E-05	1.36E-04	2.31E-04	1.71E-05	7.70E-05	1.27E-04	4.23E-06
218	742622.75	4109563.06	8.76E-04	1.60E-03	8.77E-05	1.36E-04	2.62E-04	1.32E-05	1.32E-04	2.25E-04	1.67E-05	7.51E-05	1.24E-04	4.12E-06
219	742609.21	4109542.69	8.43E-04	1.54E-03	8.44E-05	1.31E-04	2.52E-04	1.27E-05	1.27E-04	2.17E-04	1.61E-05	7.23E-05	1.20E-04	3.96E-06
220	742595.66	4109522.33	8.02E-04	1.46E-03	8.03E-05	1.24E-04	2.40E-04	1.20E-05	1.21E-04	2.06E-04	1.53E-05	6.88E-05	1.14E-04	3.77E-06
221	742582.11	4109501.97	7.55E-04	1.38E-03	7.56E-05	1.17E-04	2.26E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.47E-05	1.07E-04	3.55E-06
222	742778.47	4109633.3	6.46E-04	1.18E-03	6.46E-05	1.00E-04	1.93E-04	9.70E-06	9.74E-05	1.66E-04	1.23E-05	5.54E-05	9.16E-05	3.04E-06
223	742783.19	4109657.13	6.23E-04	1.14E-03	6.24E-05	9.66E-05	1.86E-04	9.35E-06	9.40E-05	1.60E-04	1.19E-05	5.34E-05	8.84E-05	2.93E-06
224	742787.9	4109680.97	5.94E-04	1.08E-03	5.95E-05	9.22E-05	1.78E-04	8.92E-06	8.96E-05	1.53E-04	1.13E-05	5.09E-05	8.43E-05	2.79E-06
225	742792.62	4109704.8	5.63E-04	1.03E-03	5.64E-05	8.74E-05	1.68E-04	8.46E-06	8.50E-05	1.45E-04	1.07E-05	4.83E-05	7.99E-05	2.65E-06
226	742797.34	4109728.64	5.34E-04	9.73E-04	5.34E-05	8.28E-05	1.59E-04	8.01E-06	8.05E-05	1.37E-04	1.02E-05	4.57E-05	7.57E-05	2.51E-06
227	742802.05	4109752.47	5.08E-04	9.26E-04	5.08E-05	7.88E-05	1.52E-04	7.63E-06	7.66E-05	1.31E-04	9.68E-06	4.35E-05	7.20E-05	2.39E-06
228	742806.77	4109776.3	4.87E-04	8.87E-04	4.87E-05	7.55E-05	1.45E-04	7.31E-06	7.34E-05	1.25E-04	9.28E-06	4.17E-05	6.90E-05	2.29E-06
229	742811.49	4109800.14	4.69E-04	8.54E-04	4.69E-05	7.27E-05	1.40E-04	7.03E-06	7.07E-05	1.20E-04	8.93E-06	4.02E-05	6.64E-05	2.20E-06
230	742816.21	4109823.97	4.51E-04	8.22E-04	4.51E-05	6.99E-05	1.35E-04	6.77E-06	6.80E-05	1.16E-04	8.59E-06	3.86E-05	6.39E-05	2.12E-06
231	742820.92	4109847.81	4.32E-04	7.88E-04	4.33E-05	6.70E-05	1.29E-04	6.49E-06	6.52E-05	1.11E-04	8.24E-06	3.70E-05	6.13E-05	2.03E-06
232	742825.64	4109871.64	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.18E-06	6.21E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.94E-06
233	742830.36	4109895.48	3.90E-04	7.11E-04	3.90E-05	6.05E-05	1.17E-04	5.86E-06	5.88E-05	1.00E-04	7.44E-06	3.34E-05	5.53E-05	1.83E-06
234	742835.07	4109919.31	3.68E-04	6.71E-04	3.68E-05	5.71E-05	1.10E-04	5.53E-06	5.55E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
235	742839.79	4109943.14	3.47E-04	6.32E-04	3.47E-05	5.38E-05	1.04E-04	5.21E-06	5.23E-05	8.92E-05	6.61E-06	2.97E-05	4.92E-05	1.63E-06
236	742844.51	4109966.98	3.27E-04	5.95E-04	3.27E-05	5.07E-05	9.76E-05	4.90E-06	4.93E-05	8.40E-05	6.23E-06	2.80E-05	4.63E-05	1.54E-06
237	742849.23	4109990.81	3.08E-04	5.62E-04	3.09E-05	4.78E-05	9.22E-05	4.63E-06	4.65E-05	7.93E-05	5.88E-06	2.64E-05	4.37E-05	1.45E-06
238	742853.94	4110014.65	2.92E-04	5.32E-04	2.92E-05	4.53E-05	8.73E-05	4.38E-06	4.41E-05	7.51E-05	5.57E-06	2.50E-05	4.14E-05	1.37E-06
239	742858.66	4110038.48	2.78E-04	5.06E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.14E-05	5.30E-06	2.38E-05	3.94E-05	1.31E-06
240	742863.38	4110062.32	2.66E-04	4.84E-04	2.66E-05	4.12E-05	7.93E-05	3.99E-06	4.01E-05	6.83E-05	5.06E-06	2.28E-05	3.77E-05	1.25E-06
241	742868.09	4110086.15	2.55E-04	4.65E-04	2.55E-05	3.96E-05	7.62E-05	3.83E-06	3.85E-05	6.56E-05	4.86E-06	2.19E-05	3.62E-05	1.20E-06
242	742872.81	4110109.98	2.46E-04	4.48E-04	2.46E-05	3.81E-05	7.35E-05	3.69E-06	3.71E-05	6.32E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
243	742864.05	4110154.03	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.62E-05	6.16E-05	4.57E-06	2.05E-05	3.40E-05	1.13E-06
244	742850.57	4110174.25	2.41E-04	4.39E-04	2.41E-05	3.74E-05	7.20E-05	3.62E-06	3.63E-05	6.19E-05	4.59E-06	2.06E-05	3.42E-05	1.13E-06
245	742837.09	4110194.46	2.41E-04	4.40E-04	2.41E-05	3.74E-05	7.21E-05	3.62E-06	3.64E-05	6.20E-05	4.60E-06	2.07E-05	3.42E-05	1.13E-06
246	742823.61	4110214.68	2.41E-04	4.38E-04	2.41E-05	3.73E-05	7.19E-05	3.61E-06	3.63E-05	6.18E-05	4.58E-06	2.06E-05	3.41E-05	1.13E-06
247	742810.13	4110234.89	2.39E-04	4.36E-04	2.39E-05	3.71E-05	7.14E-05	3.59E-06	3.60E-05	6.14E-05	4.55E-06	2.05E-05	3.39E-05	1.12E-06
248	742796.65	4110255.11	2.37E-04	4.31E-04	2.37E-05	3.67E-05	7.07E-05	3.55E-06	3.57E-05	6.08E-05	4.51E-06	2.03E-05	3.36E-05	1.11E-06
249	742783.17	4110275.32	2.34E-04	4.26E-04	2.34E-05	3.62E-05	6.98E-05	3.51E-06	3.52E-05	6.01E-05	4.45E-06	2.00E-05	3.31E-05	1.10E-06
250	742769.69	4110295.54	2.30E-04	4.20E-04	2.31E-05	3.57E-05	6.88E-05	3.46E-06	3.47E-05	5.92E-05	4.39E-06	1.97E-05	3.27E-05	1.08E-06
251	742756.21	4110315.75	2.27E-04	4.14E-04	2.27E-05	3.52E-05	6.78E-05	3.41E-06	3.42E-05	5.83E-05	4.32E-06	1.94E-05	3.22E-05	1.07E-06
252	742742.73	4110335.96	2.23E-04	4.07E-04	2.23E-05	3.46E-05	6.67E-05	3.35E-06	3.37E-05	5.74E-05	4.25E-06	1.91E-05	3.17E-05	1.05E-06
253	742729.26	4110356.18	2.19E-04	3.99E-04	2.19E-05	3.40E-05	6.54E-05	3.29E-06	3.30E-05	5.63E-05	4.17E-06	1.88E-05	3.10E-05	1.03E-06
254	742715.78	4110376.39	2.14E-04	3.89E-04	2.14E-05	3.31E-05	6.39E-05	3.21E-06	3.22E-05	5.49E-05	4.07E-06	1.83E-05	3.03E-05	1.00E-06
255	742702.3	4110396.61	2.08E-04	3.78E-04	2.08E-05	3.22E-05	6.20E-05	3.12E-06	3.13E-05	5.34E-05	3.96E-06	1.78E-05	2.94E-05	9.76E-07
256	742688.82	4110416.82	2.01E-04	3.66E-04	2.01E-05	3.12E-05	6.00E-05	3.02E-06	3.03E-05	5.16E-05	3.83E-06	1.72E-05	2.85E-05	9.44E-07
257	742675.34	4110437.04	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.92E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.13E-07
258	742661.86	4110457.25	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.63E-05	2.83E-06	2.84E-05	4.84E-05	3.59E-06	1.61E-05	2.67E-05	8.85E-07
259	742648.38	4110477.47	1.83E-04	3.33E-04	1.83E-05	2.84E-05	5.47E-05	2.75E-06	2.76E-05	4.70E-05	3.49E-06	1.57E-05	2.59E-05	8.60E-07
260	742634.9	4110497.68	1.78E-04	3.25E-04	1.78E-05	2.76E-05	5.32E-05	2.67E-06	2.69E-05	4.58E-05	3.39E-06	1.53E-05	2.53E-05	8.37E-07
261	742621.42	4110517.9	1.73E-04	3.16E-04	1.73E-05	2.69E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.46E-05	8.14E-07
262	742607.94	4110538.11	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.20E-06	1.44E-05	2.38E-05	7.88E-07
263	742594.46	4110558.33	1.62E-04	2.95E-04	1.62E-05	2.51E-05	4.83E-05	2.43E-06	2.44E-05	4.16E-05	3.08E-06	1.39E-05	2.29E-05	7.60E-07
264	742773.75	4109609.46	6.61E-04	1.20E-03	6.61E-05	1.02E-04	1.97E-04	9.92E-06	9.96E-05	1.70E-04	1.26E-05	5.66E-05	9.37E-05	3.11E-06
265	742760.2	4109589.1	6.83E-04	1.24E-03	6.83E-05	1.06E-04	2.04E-04	1.02E-05	1.03E-04	1.76E-04	1.30E-05	5.85E-05	9.68E-05	3.21E-06
266	742746.65	4109568.74	6.95E-04	1.27E-03	6.96E-05	1.08E-04	2.08E-04	1.04E-05	1.05E-04	1.79E-04	1.32E-05	5.96E-05	9.86E-05	3.27E-06
267	742733.1	4109548.38	6.98E-04	1.27E-03	6.98E-05	1.08E-04	2.09E-04	1.05E-05	1.05E-04	1.79E-04	1.33E-05	5.98E-05	9.90E-05	3.28E-06
268	742719.56	4109528.02	6.92E-04	1.26E-03	6.93E-05	1.07E-04	2.07E-04	1.04E-05	1.04E-04	1.78E-04	1.32E-05	5.93E-05	9.81E-05	3.25E-06
269	742706.01	4109507.66	6.79E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.82E-05	9.62E-05	3.19E-06
270	742692.46	4109487.3	6.59E-04	1.20E-03	6.60E-05	1.02E-04	1.97E-04	9.89E-06	9.94E-05	1.69E-04	1.26E-05	5.65E-05	9.35E-05	3.10E-06
271	742678.91	4109466.93	6.35E-04	1.16E-03	6.35E-05	9.84E-05	1.90E-04	9.53E-06	9.57E-05	1.63E-04	1.21E-05	5.44E-05	9.00E-05	2.98E-06
272	742665.36	4109446.57	6.06E-04	1.10E-03	6.07E-05	9.40E-05	1.81E-04	9.10E-06	9.14E-05	1.56E-04	1.16E-05	5.19E-05	8.60E-05	2.85E-06
273	742944.86	4109521.91	4.35E-04	7.92E-04	4.35E-05	6.74E-05	1.30E-04	6.53E-06	6.56E-05	1.12E-04	8.28E-06	3.73E-05	6.16E-05	2.04E-06
274	742949.46	4109545.16	4.26E-04	7.75E-04	4.26E-05	6.60E-05	1.27E-04	6.39E-06	6.42E-05	1.09E-04	8.11E-06	3.65E-05	6.03E-05	2.00E-06
275	742954.06	4109568.41	4.13E-04	7.52E-04	4.13E-05	6.40E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.86E-06	3.54E-05	5.85E-05	1.94E-06
276	742958.66	4109591.66	3.97E-04	7.23E-04	3.97E-05	6.15E-05	1.18E-04	5.95E-06	5.98E-05	1.02E-04	7.56E-06	3.40E-05	5.62E-05	1.86E-06
277	742963.26	4109614.9	3.79E-04	6.90E-04	3.79E-05	5.87E-05	1.13E-04	5.68E-06	5.71E-05	9.74E-05	7.22E-06	3.25E-05	5.37E-05	1.78E-06
278	742967.86	4109638.15	3.61E-04	6.57E-04	3.61E-05	5.60E-05	1.08E-04	5.42E-06	5.44E-05	9.28E-05	6.88E-06	3.09E-05	5.12E-05	1.70E-06
279	742972.46	4109661.4	3.44E-04	6.27E-04	3.45E-05	5.34E-05	1.03E-04	5.17E-06	5.19E-05	8.85E-05	6.56E-06	2.95E-05	4.88E-05	1.62E-06
280	742977.06	4109684.65	3.30E-04	6.02E-04	3.30E-05	5.12E-05	9.87E-05	4.96E-06	4.98E-05	8.49E-05	6.29E-06	2.83E-05	4.68E-05	1.55E-06
281	742981.67	4109707.89	3.19E-04	5.82E-04	3.19E-05	4.95E-05	9.54E-05	4.79E-06	4.81E-05	8.21E-05	6.08E-06	2.74E-05	4.53E-05	1.50E-06
282	742986.27	4109731.14	3.11E-04	5.66E-04	3.11E-05	4.82E-05	9.28E-05	4.66E-06	4.69E-05	7.99E-05	5.92E-06	2.66E-05	4.41E-05	1.46E-06
283	742990.87	4109754.39	3.04E-04	5.54E-04	3.04E-05	4.71E-05	9.08E-05	4.56E-06	4.58E-05	7.82E-05	5.79E-06	2.60E-05	4.31E-05	1.43E-06
284	742995.47	4109777.63	2.98E-04	5.42E-04	2.98E-05	4.62E-05	8.89E-05	4.47E-06	4.49E-05	7.65E-05	5.67E-06	2.55E-05	4.22E-05	1.40E-06

285	743000.07	4109800.88	2.91E-04	5.30E-04	2.91E-05	4.51E-05	8.68E-05	4.36E-06	4.38E-05	7.47E-05	5.54E-06	2.49E-05	4.12E-05	1.37E-06
286	743004.67	4109824.13	2.82E-04	5.14E-04	2.82E-05	4.38E-05	8.43E-05	4.24E-06	4.26E-05	7.26E-05	5.38E-06	2.42E-05	4.00E-05	1.33E-06
287	743009.27	4109847.38	2.72E-04	4.96E-04	2.73E-05	4.22E-05	8.14E-05	4.09E-06	4.11E-05	7.00E-05	5.19E-06	2.33E-05	3.86E-05	1.28E-06
288	743013.87	4109870.62	2.61E-04	4.76E-04	2.62E-05	4.05E-05	7.81E-05	3.92E-06	3.94E-05	6.72E-05	4.98E-06	2.24E-05	3.71E-05	1.23E-06
289	743018.47	4109893.87	2.50E-04	4.55E-04	2.50E-05	3.88E-05	7.47E-05	3.75E-06	3.77E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
290	743023.07	4109917.12	2.38E-04	4.34E-04	2.38E-05	3.69E-05	7.12E-05	3.58E-06	3.59E-05	6.12E-05	4.54E-06	2.04E-05	3.38E-05	1.12E-06
291	743027.68	4109940.37	2.27E-04	4.14E-04	2.27E-05	3.52E-05	6.78E-05	3.41E-06	3.42E-05	5.84E-05	4.33E-06	1.95E-05	3.22E-05	1.07E-06
292	743032.28	4109963.61	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.27E-05	5.57E-05	4.13E-06	1.86E-05	3.07E-05	1.02E-06
293	743036.88	4109986.86	2.07E-04	3.77E-04	2.07E-05	3.21E-05	6.19E-05	3.11E-06	3.12E-05	5.32E-05	3.95E-06	1.77E-05	2.94E-05	9.73E-07
294	743041.48	4110010.11	1.99E-04	3.62E-04	1.99E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.11E-05	3.78E-06	1.70E-05	2.82E-05	9.33E-07
295	743046.08	4110033.35	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.71E-05	2.87E-06	2.88E-05	4.91E-05	3.64E-06	1.64E-05	2.71E-05	8.98E-07
296	743050.68	4110056.6	1.84E-04	3.36E-04	1.84E-05	2.86E-05	5.50E-05	2.77E-06	2.78E-05	4.74E-05	3.51E-06	1.58E-05	2.61E-05	8.66E-07
297	743055.28	4110079.85	1.78E-04	3.25E-04	1.78E-05	2.76E-05	5.33E-05	2.68E-06	2.69E-05	4.58E-05	3.40E-06	1.53E-05	2.53E-05	8.38E-07
298	743059.88	4110103.1	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.45E-05	8.13E-07
299	743064.48	4110126.34	1.69E-04	3.07E-04	1.69E-05	2.61E-05	5.04E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.92E-07
300	743069.08	4110149.59	1.65E-04	3.00E-04	1.65E-05	2.55E-05	4.92E-05	2.47E-06	2.48E-05	4.23E-05	3.14E-06	1.41E-05	2.33E-05	7.74E-07
301	743060.54	4110192.55	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.86E-05	2.44E-06	2.46E-05	4.19E-05	3.10E-06	1.40E-05	2.31E-05	7.65E-07
302	743047.39	4110212.27	1.64E-04	3.00E-04	1.65E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.23E-05	3.13E-06	1.41E-05	2.33E-05	7.73E-07
303	743034.24	4110231.99	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
304	743021.1	4110251.7	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.98E-05	2.50E-06	2.51E-05	4.29E-05	3.18E-06	1.43E-05	2.36E-05	7.84E-07
305	743007.95	4110271.42	1.67E-04	3.05E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.30E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
306	742994.8	4110291.14	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.84E-07
307	742981.65	4110310.85	1.66E-04	3.03E-04	1.66E-05	2.58E-05	4.96E-05	2.49E-06	2.50E-05	4.27E-05	3.16E-06	1.42E-05	2.35E-05	7.80E-07
308	742968.51	4110330.57	1.65E-04	3.00E-04	1.65E-05	2.55E-05	4.92E-05	2.47E-06	2.48E-05	4.23E-05	3.14E-06	1.41E-05	2.34E-05	7.74E-07
309	742955.36	4110350.29	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.87E-05	2.45E-06	2.46E-05	4.19E-05	3.10E-06	1.40E-05	2.31E-05	7.66E-07
310	742942.21	4110370	1.61E-04	2.93E-04	1.61E-05	2.49E-05	4.80E-05	2.41E-06	2.42E-05	4.13E-05	3.06E-06	1.38E-05	2.28E-05	7.55E-07
311	742929.06	4110389.72	1.58E-04	2.88E-04	1.58E-05	2.45E-05	4.73E-05	2.37E-06	2.39E-05	4.07E-05	3.01E-06	1.36E-05	2.24E-05	7.43E-07
312	742915.92	4110409.44	1.55E-04	2.83E-04	1.55E-05	2.41E-05	4.64E-05	2.33E-06	2.34E-05	3.99E-05	2.96E-06	1.33E-05	2.20E-05	7.30E-07
313	742902.77	4110429.16	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
314	742889.62	4110448.87	1.49E-04	2.72E-04	1.49E-05	2.31E-05	4.46E-05	2.24E-06	2.25E-05	3.84E-05	2.84E-06	1.28E-05	2.12E-05	7.01E-07
315	742876.47	4110468.59	1.46E-04	2.66E-04	1.46E-05	2.27E-05	4.37E-05	2.19E-06	2.20E-05	3.76E-05	2.78E-06	1.25E-05	2.07E-05	6.87E-07
316	742863.33	4110488.31	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.72E-07
317	742850.18	4110508.02	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.60E-05	2.67E-06	1.20E-05	1.98E-05	6.58E-07
318	742837.03	4110527.74	1.37E-04	2.50E-04	1.37E-05	2.12E-05	4.09E-05	2.06E-06	2.07E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.44E-07
319	742823.89	4110547.46	1.34E-04	2.45E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.31E-07
320	742810.74	4110567.17	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
321	742797.59	4110586.89	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
322	742784.44	4110606.61	1.27E-04	2.32E-04	1.27E-05	1.97E-05	3.80E-05	1.91E-06	1.92E-05	3.27E-05	2.43E-06	1.09E-05	1.80E-05	5.98E-07
323	742771.3	4110626.32	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
324	742758.15	4110646.04	1.23E-04	2.23E-04	1.23E-05	1.90E-05	3.66E-05	1.84E-06	1.85E-05	3.15E-05	2.34E-06	1.05E-05	1.74E-05	5.76E-07
325	742745	4110665.76	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.58E-05	1.80E-06	1.81E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.63E-07
326	742731.85	4110685.47	1.17E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	3.00E-05	2.22E-06	9.99E-06	1.65E-05	5.48E-07
327	742718.71	4110705.19	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.15E-06	9.69E-06	1.60E-05	5.31E-07
328	742705.56	4110724.91	1.09E-04	2.00E-04	1.10E-05	1.70E-05	3.27E-05	1.64E-06	1.65E-05	2.81E-05	2.09E-06	9.38E-06	1.55E-05	5.15E-07
329	742940.26	4109498.67	4.40E-04	8.02E-04	4.40E-05	6.82E-05	1.31E-04	6.60E-06	6.63E-05	1.13E-04	8.38E-06	3.77E-05	6.24E-05	2.07E-06
330	742926.71	4109478.31	4.49E-04	8.19E-04	4.50E-05	6.97E-05	1.34E-04	6.74E-06	6.77E-05	1.15E-04	8.56E-06	3.85E-05	6.37E-05	2.11E-06
331	742913.16	4109457.95	4.54E-04	8.28E-04	4.55E-05	7.05E-05	1.36E-04	6.82E-06	6.85E-05	1.17E-04	8.66E-06	3.89E-05	6.44E-05	2.13E-06
332	742899.61	4109437.58	4.55E-04	8.29E-04	4.55E-05	7.06E-05	1.36E-04	6.83E-06	6.86E-05	1.17E-04	8.67E-06	3.90E-05	6.45E-05	2.14E-06
333	742886.06	4109417.22	4.52E-04	8.23E-04	4.52E-05	7.01E-05	1.35E-04	6.78E-06	6.82E-05	1.16E-04	8.61E-06	3.87E-05	6.41E-05	2.12E-06
334	742872.51	4109396.86	4.45E-04	8.12E-04	4.46E-05	6.91E-05	1.33E-04	6.69E-06	6.72E-05	1.15E-04	8.49E-06	3.82E-05	6.32E-05	2.09E-06
335	742858.96	4109376.5	4.36E-04	7.95E-04	4.37E-05	6.77E-05	1.30E-04	6.55E-06	6.58E-05	1.12E-04	8.31E-06	3.74E-05	6.19E-05	2.05E-06
336	742845.42	4109356.14	4.25E-04	7.75E-04	4.25E-05	6.59E-05	1.27E-04	6.38E-06	6.41E-05	1.09E-04	8.10E-06	3.64E-05	6.03E-05	2.00E-06
337	742831.87	4109335.78	4.13E-04	7.52E-04	4.13E-05	6.40E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.86E-06	3.54E-05	5.85E-05	1.94E-06
338	743111.42	4109411.41	3.18E-04	5.79E-04	3.18E-05	4.93E-05	9.49E-05	4.77E-06	4.79E-05	8.17E-05	6.05E-06	2.72E-05	4.50E-05	1.49E-06
339	743116.08	4109434.96	3.14E-04	5.72E-04	3.14E-05	4.86E-05	9.37E-05	4.71E-06	4.73E-05	8.06E-05	5.98E-06	2.69E-05	4.45E-05	1.47E-06
340	743120.74	4109458.5	3.07E-04	5.60E-04	3.08E-05	4.77E-05	9.18E-05	4.61E-06	4.63E-05	7.90E-05	5.86E-06	2.63E-05	4.36E-05	1.44E-06
341	743125.4	4109482.04	2.99E-04	5.44E-04	2.99E-05	4.63E-05	8.92E-05	4.48E-06	4.50E-05	7.68E-05	5.69E-06	2.56E-05	4.23E-05	1.40E-06
342	743130.06	4109505.58	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.61E-05	4.33E-06	4.35E-05	7.41E-05	5.49E-06	2.47E-05	4.09E-05	1.35E-06
343	743134.72	4109529.13	2.77E-04	5.04E-04	2.77E-05	4.29E-05	8.26E-05	4.15E-06	4.17E-05	7.11E-05	5.27E-06	2.37E-05	3.92E-05	1.30E-06
344	743139.38	4109552.67	2.64E-04	4.81E-04	2.64E-05	4.10E-05	7.89E-05	3.97E-06	3.98E-05	6.79E-05	5.04E-06	2.26E-05	3.75E-05	1.24E-06
345	743144.04	4109576.21	2.52E-04	4.60E-04	2.53E-05	3.91E-05	7.54E-05	3.79E-06	3.81E-05	6.49E-05	4.81E-06	2.16E-05	3.58E-05	1.19E-06
346	743148.7	4109599.75	2.42E-04	4.41E-04	2.42E-05	3.75E-05	7.23E-05	3.63E-06	3.65E-05	6.22E-05	4.61E-06	2.07E-05	3.43E-05	1.14E-06
347	743153.36	4109623.3	2.33E-04	4.25E-04	2.33E-05	3.62E-05	6.96E-05	3.50E-06	3.52E-05	5.99E-05	4.44E-06	2.00E-05	3.31E-05	1.10E-06
348	743158.02	4109646.84	2.26E-04	4.13E-04	2.27E-05	3.51E-05	6.76E-05	3.40E-06	3.41E-05	5.82E-05	4.31E-06	1.94E-05	3.21E-05	1.06E-06
349	743162.68	4109670.38	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.32E-06	3.34E-05	5.69E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
350	743167.34	4109693.92	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.52E-05	3.27E-06	3.29E-05	5.61E-05	4.16E-06	1.87E-05	3.09E-05	1.02E-06
351	743171.99	4109717.47	2.15E-04	3.93E-04	2.16E-05	3.34E-05	6.44E-05	3.23E-06	3.25E-05	5.54E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
352	743176.65	4109741.01	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.20E-06	3.21E-05	5.48E-05	4.06E-06	1.83E-05	3.02E-05	1.00E-06
353	743181.31	4109764.55	2.10E-04	3.83E-04	2.10E-05	3.26E-05	6.27E-05	3.15E-06	3.17E-05	5.40E-05	4.00E-06	1.80E-05	2.98E-05	9.87E-07
354	743185.97	4109788.09	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
355	743190.63	4109811.64	2.00E-04	3.65E-04	2.01E-05	3.11E-05	5.99E-05	3.01E-06	3.02E-05	5.15E-05	3.82E-06	1.72E-05	2.84E-05	9.42E-07
356	743195.29	4109835.18	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.91E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.12E-07

357	743199.95	4109858.72	1.87E-04	3.41E-04	1.87E-05	2.90E-05	5.59E-05	2.81E-06	2.82E-05	4.81E-05	3.56E-06	1.60E-05	2.65E-05	8.79E-07
358	743204.61	4109882.26	1.80E-04	3.27E-04	1.80E-05	2.78E-05	5.36E-05	2.70E-06	2.71E-05	4.62E-05	3.42E-06	1.54E-05	2.55E-05	8.44E-07
359	743209.27	4109905.81	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.60E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.09E-07
360	743213.93	4109929.35	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.75E-07
361	743218.59	4109952.89	1.58E-04	2.89E-04	1.58E-05	2.46E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.25E-05	7.44E-07
362	743223.25	4109976.43	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
363	743227.91	4109999.98	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.39E-05	2.21E-06	2.22E-05	3.78E-05	2.80E-06	1.26E-05	2.08E-05	6.91E-07
364	743232.57	4110023.52	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.25E-05	2.13E-06	2.14E-05	3.65E-05	2.71E-06	1.22E-05	2.02E-05	6.68E-07
365	743237.23	4110047.06	1.38E-04	2.51E-04	1.38E-05	2.14E-05	4.12E-05	2.07E-06	2.08E-05	3.54E-05	2.63E-06	1.18E-05	1.95E-05	6.48E-07
366	743241.89	4110070.6	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.45E-05	2.55E-06	1.15E-05	1.90E-05	6.30E-07
367	743246.55	4110094.14	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.90E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.14E-07
368	743251.2	4110117.69	1.27E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	5.99E-07
369	743255.86	4110141.23	1.25E-04	2.27E-04	1.25E-05	1.93E-05	3.73E-05	1.87E-06	1.88E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.86E-07
370	743260.52	4110164.77	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
371	743265.18	4110188.31	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.64E-07
372	743256.53	4110231.82	1.19E-04	2.18E-04	1.20E-05	1.85E-05	3.57E-05	1.79E-06	1.80E-05	3.07E-05	2.28E-06	1.02E-05	1.69E-05	5.61E-07
373	743243.21	4110251.79	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.11E-05	2.30E-06	1.04E-05	1.71E-05	5.68E-07
374	743229.9	4110271.76	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.75E-07
375	743216.58	4110291.73	1.24E-04	2.25E-04	1.24E-05	1.92E-05	3.69E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.80E-07
376	743203.27	4110311.69	1.24E-04	2.27E-04	1.25E-05	1.93E-05	3.72E-05	1.87E-06	1.88E-05	3.20E-05	2.37E-06	1.07E-05	1.77E-05	5.85E-07
377	743189.96	4110331.66	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
378	743176.64	4110351.63	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.39E-06	1.07E-05	1.78E-05	5.89E-07
379	743163.33	4110371.59	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
380	743150.01	4110391.56	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
381	743136.7	4110411.53	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
382	743123.38	4110431.5	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.72E-07
383	743110.07	4110451.46	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.58E-05	1.80E-06	1.81E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.63E-07
384	743096.76	4110471.43	1.18E-04	2.15E-04	1.18E-05	1.83E-05	3.52E-05	1.77E-06	1.78E-05	3.03E-05	2.24E-06	1.01E-05	1.67E-05	5.53E-07
385	743083.44	4110491.4	1.15E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.89E-06	1.64E-05	5.43E-07
386	743070.13	4110511.36	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.37E-05	1.70E-06	1.70E-05	2.90E-05	2.15E-06	9.68E-06	1.60E-05	5.31E-07
387	743056.81	4110531.33	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.67E-05	2.84E-05	2.10E-06	9.46E-06	1.57E-05	5.19E-07
388	743043.5	4110551.3	1.08E-04	1.97E-04	1.08E-05	1.67E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.25E-06	1.53E-05	5.08E-07
389	743030.18	4110571.27	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.07E-06	1.50E-05	4.97E-07
390	743016.87	4110591.23	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
391	743003.56	4110611.2	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.06E-05	1.54E-06	1.54E-05	2.63E-05	1.95E-06	8.77E-06	1.45E-05	4.81E-07
392	742990.24	4110631.17	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
393	742976.93	4110651.13	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.57E-06	1.42E-05	4.70E-07
394	742963.61	4110671.1	9.92E-05	1.81E-04	9.93E-06	1.54E-05	2.96E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.50E-06	1.41E-05	4.66E-07
395	742950.3	4110691.07	9.85E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
396	742936.98	4110711.03	9.77E-05	1.78E-04	9.77E-06	1.51E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.38E-05	4.59E-07
397	742923.67	4110731	9.68E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
398	742910.36	4110750.97	9.56E-05	1.74E-04	9.57E-06	1.48E-05	2.86E-05	1.43E-06	1.44E-05	2.46E-05	1.82E-06	8.19E-06	1.36E-05	4.49E-07
399	742897.04	4110770.94	9.42E-05	1.72E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.07E-06	1.34E-05	4.43E-07
400	742883.73	4110790.9	9.24E-05	1.68E-04	9.25E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.38E-05	1.76E-06	7.92E-06	1.31E-05	4.34E-07
401	742870.41	4110810.87	9.04E-05	1.65E-04	9.05E-06	1.40E-05	2.70E-05	1.36E-06	1.36E-05	2.32E-05	1.72E-06	7.75E-06	1.28E-05	4.25E-07
402	742857.1	4110830.84	8.82E-05	1.61E-04	8.82E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
403	742843.78	4110850.8	8.58E-05	1.56E-04	8.59E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.21E-05	1.64E-06	7.35E-06	1.22E-05	4.03E-07
404	742830.47	4110870.77	8.33E-05	1.52E-04	8.34E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.14E-06	1.18E-05	3.92E-07
405	742817.16	4110890.74	8.08E-05	1.47E-04	8.09E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
406	743106.76	4109387.87	3.19E-04	5.82E-04	3.20E-05	4.95E-05	9.54E-05	4.79E-06	4.82E-05	8.21E-05	6.09E-06	2.74E-05	4.53E-05	1.50E-06
407	743093.21	4109367.51	3.24E-04	5.90E-04	3.24E-05	5.02E-05	9.67E-05	4.86E-06	4.88E-05	8.32E-05	6.17E-06	2.77E-05	4.59E-05	1.52E-06
408	743079.67	4109347.15	3.26E-04	5.94E-04	3.26E-05	5.05E-05	9.74E-05	4.89E-06	4.92E-05	8.38E-05	6.21E-06	2.79E-05	4.62E-05	1.53E-06
409	743066.12	4109326.79	3.26E-04	5.94E-04	3.26E-05	5.06E-05	9.74E-05	4.89E-06	4.92E-05	8.38E-05	6.21E-06	2.79E-05	4.62E-05	1.53E-06
410	743052.57	4109306.43	3.24E-04	5.90E-04	3.24E-05	5.03E-05	9.68E-05	4.86E-06	4.89E-05	8.33E-05	6.17E-06	2.78E-05	4.59E-05	1.52E-06
411	743039.02	4109286.07	3.20E-04	5.84E-04	3.21E-05	4.97E-05	9.57E-05	4.81E-06	4.83E-05	8.23E-05	6.10E-06	2.74E-05	4.54E-05	1.51E-06
412	743025.47	4109265.7	3.15E-04	5.74E-04	3.15E-05	4.89E-05	9.42E-05	4.73E-06	4.75E-05	8.10E-05	6.01E-06	2.70E-05	4.47E-05	1.48E-06
413	743011.92	4109245.34	3.09E-04	5.63E-04	3.09E-05	4.79E-05	9.23E-05	4.64E-06	4.66E-05	7.94E-05	5.89E-06	2.65E-05	4.38E-05	1.45E-06
414	742998.37	4109224.98	3.02E-04	5.50E-04	3.02E-05	4.68E-05	9.02E-05	4.53E-06	4.55E-05	7.76E-05	5.75E-06	2.59E-05	4.28E-05	1.42E-06
415	743277.97	4109300.83	2.44E-04	4.45E-04	2.44E-05	3.79E-05	7.29E-05	3.66E-06	3.68E-05	6.28E-05	4.65E-06	2.09E-05	3.46E-05	1.15E-06
416	743282.67	4109324.58	2.43E-04	4.42E-04	2.43E-05	3.76E-05	7.25E-05	3.64E-06	3.66E-05	6.24E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
417	743287.37	4109348.33	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.61E-05	6.16E-05	4.57E-06	2.05E-05	3.40E-05	1.13E-06
418	743292.07	4109372.08	2.35E-04	4.29E-04	2.35E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.48E-06	2.02E-05	3.33E-05	1.11E-06
419	743296.77	4109395.83	2.29E-04	4.18E-04	2.29E-05	3.56E-05	6.85E-05	3.44E-06	3.46E-05	5.89E-05	4.37E-06	1.96E-05	3.25E-05	1.08E-06
420	743301.47	4109419.58	2.22E-04	4.05E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.71E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
421	743306.17	4109443.33	2.14E-04	3.90E-04	2.14E-05	3.32E-05	6.39E-05	3.21E-06	3.22E-05	5.50E-05	4.08E-06	1.83E-05	3.03E-05	1.00E-06
422	743310.87	4109467.09	2.05E-04	3.74E-04	2.05E-05	3.18E-05	6.13E-05	3.08E-06	3.09E-05	5.27E-05	3.91E-06	1.76E-05	2.91E-05	9.64E-07
423	743315.58	4109490.84	1.96E-04	3.58E-04	1.97E-05	3.05E-05	5.87E-05	2.95E-06	2.96E-05	5.05E-05	3.74E-06	1.68E-05	2.79E-05	9.23E-07
424	743320.28	4109514.59	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.63E-05	2.83E-06	2.84E-05	4.84E-05	3.59E-06	1.61E-05	2.67E-05	8.85E-07
425	743324.98	4109538.34	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.51E-07
426	743329.68	4109562.09	1.75E-04	3.19E-04	1.75E-05	2.71E-05	5.22E-05	2.63E-06	2.64E-05	4.50E-05	3.33E-06	1.50E-05	2.48E-05	8.22E-07
427	743334.38	4109585.84	1.70E-04	3.10E-04	1.70E-05	2.64E-05	5.09E-05	2.56E-06	2.57E-05	4.38E-05	3.24E-06	1.46E-05	2.41E-05	8.00E-07
428	743339.08	4109609.59	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07

429	743343.78	4109633.34	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.15E-06	1.41E-05	2.34E-05	7.76E-07
430	743348.48	4109657.1	1.64E-04	2.99E-04	1.64E-05	2.54E-05	4.90E-05	2.46E-06	2.47E-05	4.21E-05	3.12E-06	1.40E-05	2.32E-05	7.70E-07
431	743353.18	4109680.85	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.87E-05	2.45E-06	2.46E-05	4.19E-05	3.11E-06	1.40E-05	2.31E-05	7.66E-07
432	743357.88	4109704.6	1.62E-04	2.96E-04	1.62E-05	2.52E-05	4.85E-05	2.43E-06	2.45E-05	4.17E-05	3.09E-06	1.39E-05	2.30E-05	7.62E-07
433	743362.58	4109728.35	1.61E-04	2.93E-04	1.61E-05	2.49E-05	4.81E-05	2.41E-06	2.43E-05	4.14E-05	3.07E-06	1.38E-05	2.28E-05	7.56E-07
434	743367.28	4109752.1	1.59E-04	2.89E-04	1.59E-05	2.46E-05	4.74E-05	2.38E-06	2.39E-05	4.08E-05	3.02E-06	1.36E-05	2.25E-05	7.46E-07
435	743371.98	4109775.85	1.56E-04	2.83E-04	1.56E-05	2.41E-05	4.65E-05	2.33E-06	2.35E-05	4.00E-05	2.96E-06	1.33E-05	2.21E-05	7.31E-07
436	743376.68	4109799.6	1.52E-04	2.76E-04	1.52E-05	2.35E-05	4.53E-05	2.28E-06	2.29E-05	3.90E-05	2.89E-06	1.30E-05	2.15E-05	7.13E-07
437	743381.39	4109823.35	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.39E-05	2.21E-06	2.22E-05	3.78E-05	2.80E-06	1.26E-05	2.08E-05	6.91E-07
438	743386.09	4109847.11	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.24E-05	2.13E-06	2.14E-05	3.65E-05	2.71E-06	1.22E-05	2.01E-05	6.67E-07
439	743390.79	4109870.86	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
440	743395.49	4109894.61	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
441	743400.19	4109918.36	1.27E-04	2.31E-04	1.27E-05	1.97E-05	3.79E-05	1.90E-06	1.91E-05	3.26E-05	2.42E-06	1.09E-05	1.80E-05	5.96E-07
442	743404.89	4109942.11	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
443	743409.59	4109965.86	1.18E-04	2.15E-04	1.18E-05	1.83E-05	3.53E-05	1.77E-06	1.78E-05	3.04E-05	2.25E-06	1.01E-05	1.67E-05	5.55E-07
444	743414.29	4109989.61	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.42E-05	1.72E-06	1.72E-05	2.94E-05	2.18E-06	9.80E-06	1.62E-05	5.38E-07
445	743418.99	4110013.36	1.11E-04	2.03E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.68E-05	2.86E-05	2.12E-06	9.52E-06	1.58E-05	5.22E-07
446	743423.69	4110037.12	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.27E-06	1.53E-05	5.08E-07
447	743428.39	4110060.87	1.06E-04	1.92E-04	1.06E-05	1.64E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.05E-06	1.50E-05	4.96E-07
448	743433.09	4110084.62	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
449	743437.79	4110108.37	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.65E-06	1.43E-05	4.74E-07
450	743442.5	4110132.12	9.90E-05	1.80E-04	9.90E-06	1.53E-05	2.96E-05	1.49E-06	1.49E-05	2.54E-05	1.89E-06	8.48E-06	1.40E-05	4.65E-07
451	743447.2	4110155.87	9.71E-05	1.77E-04	9.72E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.50E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
452	743451.9	4110179.62	9.54E-05	1.74E-04	9.55E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.18E-06	1.35E-05	4.48E-07
453	743456.6	4110203.37	9.39E-05	1.71E-04	9.40E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.41E-05	1.79E-06	8.05E-06	1.33E-05	4.41E-07
454	743461.3	4110227.13	9.26E-05	1.69E-04	9.26E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
455	743452.57	4110271.02	9.23E-05	1.68E-04	9.24E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.37E-05	1.76E-06	7.91E-06	1.31E-05	4.34E-07
456	743439.13	4110291.16	9.34E-05	1.70E-04	9.34E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.00E-06	1.32E-05	4.39E-07
457	743425.7	4110311.31	9.45E-05	1.72E-04	9.46E-06	1.47E-05	2.82E-05	1.42E-06	1.43E-05	2.43E-05	1.80E-06	8.10E-06	1.34E-05	4.44E-07
458	743412.27	4110331.45	9.57E-05	1.74E-04	9.57E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
459	743398.84	4110351.6	9.68E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
460	743385.4	4110371.74	9.77E-05	1.78E-04	9.78E-06	1.52E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.39E-05	4.59E-07
461	743371.97	4110391.89	9.85E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
462	743358.54	4110412.03	9.89E-05	1.80E-04	9.89E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.47E-06	1.40E-05	4.65E-07
463	743345.11	4110432.17	9.89E-05	1.80E-04	9.90E-06	1.53E-05	2.96E-05	1.49E-06	1.49E-05	2.54E-05	1.89E-06	8.48E-06	1.40E-05	4.65E-07
464	743331.67	4110452.32	9.86E-05	1.80E-04	9.87E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.45E-06	1.40E-05	4.63E-07
465	743318.24	4110472.46	9.79E-05	1.78E-04	9.80E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.39E-06	1.39E-05	4.60E-07
466	743304.81	4110492.61	9.69E-05	1.77E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
467	743291.38	4110512.75	9.55E-05	1.74E-04	9.56E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.46E-05	1.82E-06	8.18E-06	1.35E-05	4.49E-07
468	743277.95	4110532.9	9.39E-05	1.71E-04	9.39E-06	1.46E-05	2.80E-05	1.41E-06	1.42E-05	2.41E-05	1.79E-06	8.04E-06	1.33E-05	4.41E-07
469	743264.51	4110553.04	9.20E-05	1.68E-04	9.21E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.75E-06	7.89E-06	1.30E-05	4.33E-07
470	743251.08	4110573.18	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.72E-06	1.28E-05	4.23E-07
471	743237.65	4110593.33	8.80E-05	1.60E-04	8.81E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
472	743224.22	4110613.47	8.60E-05	1.57E-04	8.60E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.37E-06	1.22E-05	4.04E-07
473	743210.78	4110633.62	8.40E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.20E-06	1.19E-05	3.95E-07
474	743197.35	4110653.76	8.23E-05	1.50E-04	8.23E-06	1.28E-05	2.46E-05	1.23E-06	1.24E-05	2.12E-05	1.57E-06	7.05E-06	1.17E-05	3.87E-07
475	743183.92	4110673.9	8.08E-05	1.47E-04	8.08E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
476	743170.49	4110694.05	7.96E-05	1.45E-04	7.96E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
477	743157.05	4110714.19	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
478	743143.62	4110734.34	7.81E-05	1.42E-04	7.82E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.67E-07
479	743130.19	4110754.48	7.78E-05	1.42E-04	7.79E-06	1.21E-05	2.33E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.67E-06	1.10E-05	3.66E-07
480	743116.76	4110774.63	7.77E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
481	743103.32	4110794.77	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
482	743089.89	4110814.91	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
483	743076.46	4110835.06	7.75E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
484	743063.03	4110855.2	7.73E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.47E-06	6.62E-06	1.10E-05	3.63E-07
485	743049.59	4110875.35	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
486	743036.16	4110895.49	7.60E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.95E-05	1.45E-06	6.51E-06	1.08E-05	3.57E-07
487	743022.73	4110915.64	7.50E-05	1.37E-04	7.51E-06	1.16E-05	2.24E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.43E-06	1.06E-05	3.53E-07
488	743009.3	4110935.78	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
489	742995.86	4110955.92	7.23E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
490	742982.43	4110976.07	7.06E-05	1.29E-04	7.07E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.05E-06	1.00E-05	3.32E-07
491	742969	4110996.21	6.88E-05	1.25E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.76E-06	3.23E-07
492	742955.57	4111016.36	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
493	742942.13	4111036.5	6.48E-05	1.18E-04	6.48E-06	1.00E-05	1.94E-05	9.72E-07	9.77E-06	1.67E-05	1.23E-06	5.55E-06	9.19E-06	3.04E-07
494	742928.7	4111056.64	6.26E-05	1.14E-04	6.26E-06	9.71E-06	1.87E-05	9.39E-07	9.44E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
495	743273.27	4109277.08	2.44E-04	4.45E-04	2.44E-05	3.78E-05	7.29E-05	3.66E-06	3.68E-05	6.27E-05	4.65E-06	2.09E-05	3.46E-05	1.15E-06
496	743259.72	4109256.71	2.46E-04	4.48E-04	2.46E-05	3.81E-05	7.34E-05	3.69E-06	3.70E-05	6.31E-05	4.68E-06	2.11E-05	3.48E-05	1.15E-06
497	743246.17	4109236.35	2.46E-04	4.49E-04	2.47E-05	3.82E-05	7.36E-05	3.70E-06	3.72E-05	6.34E-05	4.70E-06	2.11E-05	3.49E-05	1.16E-06
498	743232.62	4109215.99	2.46E-04	4.49E-04	2.46E-05	3.82E-05	7.36E-05	3.70E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
499	743219.07	4109195.63	2.45E-04	4.46E-04	2.45E-05	3.80E-05	7.32E-05	3.68E-06	3.69E-05	6.30E-05	4.67E-06	2.10E-05	3.47E-05	1.15E-06
500	743205.52	4109175.27	2.43E-04	4.42E-04	2.43E-05	3.76E-05	7.25E-05	3.64E-06	3.66E-05	6.24E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06

501	743191.98	4109154.91	2.39E-04	4.36E-04	2.40E-05	3.71E-05	7.15E-05	3.59E-06	3.61E-05	6.15E-05	4.56E-06	2.05E-05	3.39E-05	1.12E-06
502	743178.43	4109134.55	2.35E-04	4.29E-04	2.36E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
503	743164.88	4109114.19	2.31E-04	4.21E-04	2.31E-05	3.58E-05	6.90E-05	3.47E-06	3.48E-05	5.94E-05	4.40E-06	1.98E-05	3.27E-05	1.09E-06
504	743444.51	4109190.19	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.91E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.13E-07
505	743449.24	4109214.09	1.94E-04	3.53E-04	1.94E-05	3.00E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.10E-07
506	743453.97	4109238	1.92E-04	3.50E-04	1.92E-05	2.98E-05	5.74E-05	2.89E-06	2.90E-05	4.94E-05	3.66E-06	1.65E-05	2.73E-05	9.04E-07
507	743458.7	4109261.91	1.90E-04	3.46E-04	1.90E-05	2.94E-05	5.67E-05	2.85E-06	2.86E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.92E-07
508	743463.43	4109285.81	1.87E-04	3.40E-04	1.87E-05	2.89E-05	5.57E-05	2.80E-06	2.81E-05	4.80E-05	3.56E-06	1.60E-05	2.65E-05	8.77E-07
509	743468.16	4109309.72	1.83E-04	3.33E-04	1.83E-05	2.83E-05	5.46E-05	2.74E-06	2.75E-05	4.70E-05	3.48E-06	1.57E-05	2.59E-05	8.58E-07
510	743472.9	4109333.63	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.36E-07
511	743477.63	4109357.53	1.72E-04	3.13E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.59E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.08E-07
512	743482.36	4109381.44	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.78E-07
513	743487.09	4109405.35	1.59E-04	2.90E-04	1.59E-05	2.47E-05	4.76E-05	2.39E-06	2.40E-05	4.09E-05	3.03E-06	1.36E-05	2.26E-05	7.48E-07
514	743491.82	4109429.25	1.53E-04	2.79E-04	1.53E-05	2.37E-05	4.57E-05	2.30E-06	2.31E-05	3.93E-05	2.91E-06	1.31E-05	2.17E-05	7.19E-07
515	743496.55	4109453.16	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.78E-05	2.80E-06	1.26E-05	2.09E-05	6.91E-07
516	743501.28	4109477.07	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.24E-05	2.13E-06	2.14E-05	3.65E-05	2.70E-06	1.22E-05	2.01E-05	6.67E-07
517	743506.02	4109500.97	1.38E-04	2.51E-04	1.38E-05	2.13E-05	4.11E-05	2.06E-06	2.07E-05	3.53E-05	2.62E-06	1.18E-05	1.95E-05	6.46E-07
518	743510.75	4109524.88	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.30E-07
519	743515.48	4109548.79	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
520	743520.21	4109572.69	1.30E-04	2.37E-04	1.30E-05	2.02E-05	3.89E-05	1.96E-06	1.97E-05	3.35E-05	2.48E-06	1.12E-05	1.85E-05	6.12E-07
521	743524.94	4109596.6	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.95E-06	1.96E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
522	743529.67	4109620.51	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
523	743534.4	4109644.41	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
524	743539.14	4109668.32	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
525	743543.87	4109692.23	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.93E-06	1.94E-05	3.31E-05	2.45E-06	1.10E-05	1.83E-05	6.05E-07
526	743548.6	4109716.13	1.28E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	6.00E-07
527	743553.33	4109740.04	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.75E-05	1.89E-06	1.89E-05	3.23E-05	2.39E-06	1.08E-05	1.78E-05	5.90E-07
528	743558.06	4109763.95	1.23E-04	2.24E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.16E-05	2.34E-06	1.05E-05	1.74E-05	5.78E-07
529	743562.79	4109787.85	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.58E-05	1.80E-06	1.81E-05	3.08E-05	2.29E-06	1.03E-05	1.70E-05	5.64E-07
530	743567.53	4109811.76	1.16E-04	2.12E-04	1.16E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	2.99E-05	2.22E-06	9.97E-06	1.65E-05	5.47E-07
531	743572.26	4109835.67	1.13E-04	2.05E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.65E-06	1.60E-05	5.29E-07
532	743576.99	4109859.57	1.09E-04	1.98E-04	1.09E-05	1.69E-05	3.25E-05	1.63E-06	1.64E-05	2.80E-05	2.07E-06	9.33E-06	1.54E-05	5.12E-07
533	743581.72	4109883.48	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.59E-05	2.70E-05	2.00E-06	9.01E-06	1.49E-05	4.94E-07
534	743586.45	4109907.39	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.94E-06	8.70E-06	1.44E-05	4.77E-07
535	743591.18	4109931.29	9.83E-05	1.79E-04	9.83E-06	1.52E-05	2.94E-05	1.47E-06	1.48E-05	2.53E-05	1.87E-06	8.42E-06	1.39E-05	4.62E-07
536	743595.91	4109955.2	9.52E-05	1.74E-04	9.53E-06	1.48E-05	2.84E-05	1.43E-06	1.44E-05	2.45E-05	1.81E-06	8.16E-06	1.35E-05	4.48E-07
537	743600.65	4109979.11	9.25E-05	1.69E-04	9.25E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
538	743605.38	4110003.02	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.72E-06	1.28E-05	4.23E-07
539	743610.11	4110026.92	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
540	743614.84	4110050.83	8.59E-05	1.57E-04	8.60E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
541	743619.57	4110074.74	8.42E-05	1.53E-04	8.42E-06	1.31E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.96E-07
542	743624.3	4110098.64	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.12E-05	1.57E-06	7.08E-06	1.17E-05	3.88E-07
543	743629.04	4110122.55	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
544	743633.77	4110146.46	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
545	743638.5	4110170.36	7.85E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.18E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
546	743643.23	4110194.27	7.74E-05	1.41E-04	7.74E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.47E-06	6.63E-06	1.10E-05	3.64E-07
547	743647.96	4110218.18	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.54E-06	1.08E-05	3.58E-07
548	743652.69	4110242.08	7.53E-05	1.37E-04	7.53E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.93E-05	1.43E-06	6.45E-06	1.07E-05	3.54E-07
549	743657.42	4110265.99	7.43E-05	1.35E-04	7.44E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.37E-06	1.05E-05	3.49E-07
550	743648.64	4110310.17	7.42E-05	1.35E-04	7.42E-06	1.15E-05	2.22E-05	1.11E-06	1.12E-05	1.91E-05	1.41E-06	6.36E-06	1.05E-05	3.49E-07
551	743635.12	4110330.45	7.50E-05	1.37E-04	7.50E-06	1.16E-05	2.24E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.42E-06	1.06E-05	3.52E-07
552	743621.59	4110350.72	7.58E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.50E-06	1.08E-05	3.56E-07
553	743608.07	4110371	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
554	743594.55	4110391.28	7.78E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
555	743581.03	4110411.55	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
556	743567.51	4110431.83	7.96E-05	1.45E-04	7.96E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
557	743553.99	4110452.1	8.03E-05	1.46E-04	8.03E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.06E-05	1.53E-06	6.88E-06	1.14E-05	3.77E-07
558	743540.47	4110472.38	8.08E-05	1.47E-04	8.08E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
559	743526.95	4110492.66	8.10E-05	1.48E-04	8.11E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.81E-07
560	743513.43	4110512.93	8.10E-05	1.48E-04	8.10E-06	1.26E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.80E-07
561	743499.91	4110533.21	8.05E-05	1.47E-04	8.06E-06	1.25E-05	2.41E-05	1.21E-06	1.21E-05	2.07E-05	1.53E-06	6.90E-06	1.14E-05	3.78E-07
562	743486.39	4110553.49	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
563	743472.87	4110573.76	7.88E-05	1.44E-04	7.89E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.75E-06	1.12E-05	3.70E-07
564	743459.35	4110594.04	7.76E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
565	743445.83	4110614.31	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
566	743432.31	4110634.59	7.45E-05	1.36E-04	7.45E-06	1.16E-05	2.23E-05	1.12E-06	1.12E-05	1.92E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
567	743418.79	4110654.87	7.28E-05	1.33E-04	7.29E-06	1.13E-05	2.18E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.24E-06	1.03E-05	3.42E-07
568	743405.27	4110675.14	7.11E-05	1.30E-04	7.12E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.09E-06	1.01E-05	3.34E-07
569	743391.75	4110695.42	6.95E-05	1.27E-04	6.95E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.95E-06	9.85E-06	3.27E-07
570	743378.23	4110715.69	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
571	743364.71	4110735.97	6.66E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.44E-06	3.13E-07
572	743351.19	4110756.25	6.53E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.81E-07	9.85E-06	1.68E-05	1.25E-06	5.60E-06	9.27E-06	3.07E-07

573	743337.67	4110776.52	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.70E-06	1.65E-05	1.23E-06	5.51E-06	9.13E-06	3.02E-07
574	743324.15	4110796.8	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.55E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.02E-06	2.99E-07
575	743310.63	4110817.07	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.96E-07
576	743297.11	4110837.35	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
577	743283.59	4110857.63	6.27E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.41E-07	9.46E-06	1.61E-05	1.20E-06	5.37E-06	8.89E-06	2.95E-07
578	743270.07	4110877.9	6.28E-05	1.14E-04	6.29E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
579	743256.55	4110898.18	6.30E-05	1.15E-04	6.31E-06	9.77E-06	1.88E-05	9.46E-07	9.51E-06	1.62E-05	1.20E-06	5.40E-06	8.94E-06	2.96E-07
580	743243.02	4110918.45	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
581	743229.5	4110938.73	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.58E-06	1.63E-05	1.21E-06	5.45E-06	9.01E-06	2.99E-07
582	743215.98	4110959.01	6.37E-05	1.16E-04	6.38E-06	9.88E-06	1.90E-05	9.57E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.04E-06	3.00E-07
583	743202.46	4110979.28	6.38E-05	1.16E-04	6.38E-06	9.90E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
584	743188.94	4110999.56	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
585	743175.42	4111019.83	6.34E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.52E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	8.99E-06	2.98E-07
586	743161.9	4111040.11	6.29E-05	1.15E-04	6.30E-06	9.76E-06	1.88E-05	9.45E-07	9.49E-06	1.62E-05	1.20E-06	5.39E-06	8.92E-06	2.96E-07
587	743148.38	4111060.39	6.22E-05	1.13E-04	6.23E-06	9.65E-06	1.86E-05	9.34E-07	9.39E-06	1.60E-05	1.19E-06	5.33E-06	8.83E-06	2.93E-07
588	743134.86	4111080.66	6.13E-05	1.12E-04	6.13E-06	9.51E-06	1.83E-05	9.20E-07	9.24E-06	1.58E-05	1.17E-06	5.25E-06	8.69E-06	2.88E-07
589	743121.34	4111100.94	6.01E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
590	743107.82	4111121.22	5.88E-05	1.07E-04	5.88E-06	9.12E-06	1.76E-05	8.83E-07	8.87E-06	1.51E-05	1.12E-06	5.04E-06	8.34E-06	2.76E-07
591	743094.3	4111141.49	5.73E-05	1.04E-04	5.73E-06	8.89E-06	1.71E-05	8.60E-07	8.64E-06	1.47E-05	1.09E-06	4.91E-06	8.12E-06	2.69E-07
592	743080.78	4111161.77	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.39E-06	1.43E-05	1.06E-06	4.77E-06	7.89E-06	2.61E-07
593	743067.26	4111182.04	5.38E-05	9.80E-05	5.38E-06	8.34E-06	1.61E-05	8.07E-07	8.11E-06	1.38E-05	1.02E-06	4.61E-06	7.63E-06	2.53E-07
594	743053.74	4111202.32	5.18E-05	9.44E-05	5.18E-06	8.03E-06	1.55E-05	7.78E-07	7.81E-06	1.33E-05	9.87E-07	4.44E-06	7.35E-06	2.43E-07
595	743040.22	4111222.6	4.97E-05	9.06E-05	4.98E-06	7.71E-06	1.49E-05	7.47E-07	7.50E-06	1.28E-05	9.48E-07	4.26E-06	7.05E-06	2.34E-07
596	743439.77	4109166.28	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.11E-07
597	743426.23	4109145.92	1.95E-04	3.55E-04	1.95E-05	3.02E-05	5.83E-05	2.93E-06	2.94E-05	5.01E-05	3.72E-06	1.67E-05	2.77E-05	9.17E-07
598	743412.68	4109125.56	1.95E-04	3.56E-04	1.96E-05	3.03E-05	5.84E-05	2.93E-06	2.95E-05	5.03E-05	3.73E-06	1.68E-05	2.77E-05	9.19E-07
599	743399.13	4109105.2	1.95E-04	3.56E-04	1.95E-05	3.03E-05	5.83E-05	2.93E-06	2.94E-05	5.02E-05	3.72E-06	1.67E-05	2.77E-05	9.18E-07
600	743385.58	4109084.83	1.94E-04	3.54E-04	1.95E-05	3.02E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.70E-06	1.67E-05	2.76E-05	9.14E-07
601	743372.03	4109064.47	1.93E-04	3.51E-04	1.93E-05	2.99E-05	5.76E-05	2.89E-06	2.91E-05	4.96E-05	3.68E-06	1.65E-05	2.73E-05	9.06E-07
602	743358.48	4109044.11	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.70E-05	2.86E-06	2.88E-05	4.90E-05	3.63E-06	1.63E-05	2.70E-05	8.96E-07
603	743344.93	4109023.75	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.62E-05	2.82E-06	2.84E-05	4.83E-05	3.58E-06	1.61E-05	2.67E-05	8.84E-07
604	743331.38	4109003.39	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.52E-05	2.77E-06	2.79E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.69E-07
605	743777.48	4108968.41	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.03E-06	2.04E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.35E-07
606	743782.18	4108992.13	1.35E-04	2.47E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.36E-07
607	743786.87	4109015.85	1.35E-04	2.47E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.36E-07
608	743791.57	4109039.57	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.03E-06	2.03E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.34E-07
609	743796.26	4109063.29	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.30E-07
610	743800.95	4109087.01	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
611	743805.65	4109110.73	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.15E-07
612	743810.34	4109134.45	1.28E-04	2.34E-04	1.28E-05	1.99E-05	3.83E-05	1.93E-06	1.93E-05	3.30E-05	2.45E-06	1.10E-05	1.82E-05	6.03E-07
613	743815.04	4109158.17	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.39E-06	1.07E-05	1.78E-05	5.89E-07
614	743819.73	4109181.89	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.14E-05	2.32E-06	1.05E-05	1.73E-05	5.73E-07
615	743824.43	4109205.62	1.18E-04	2.16E-04	1.18E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.04E-05	2.26E-06	1.01E-05	1.68E-05	5.56E-07
616	743829.12	4109229.34	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.42E-05	1.72E-06	1.73E-05	2.95E-05	2.18E-06	9.82E-06	1.62E-05	5.39E-07
617	743833.82	4109253.06	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.49E-06	1.57E-05	5.21E-07
618	743838.51	4109276.78	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.61E-05	2.75E-05	2.04E-06	9.17E-06	1.52E-05	5.03E-07
619	743843.21	4109300.5	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
620	743847.9	4109324.22	9.99E-05	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.70E-07
621	743852.6	4109347.94	9.68E-05	1.76E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.30E-06	1.37E-05	4.55E-07
622	743857.29	4109371.66	9.41E-05	1.71E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
623	743861.99	4109395.38	9.19E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
624	743866.68	4109419.1	9.01E-05	1.64E-04	9.02E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.72E-06	1.28E-05	4.24E-07
625	743871.38	4109442.82	8.90E-05	1.62E-04	8.90E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.62E-06	1.26E-05	4.18E-07
626	743876.07	4109466.54	8.84E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
627	743880.76	4109490.27	8.84E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
628	743885.46	4109513.99	8.87E-05	1.62E-04	8.88E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
629	743890.15	4109537.71	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
630	743894.85	4109561.43	8.98E-05	1.64E-04	8.98E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.69E-06	1.27E-05	4.22E-07
631	743899.54	4109585.15	9.02E-05	1.64E-04	9.02E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.73E-06	1.28E-05	4.24E-07
632	743904.24	4109608.87	9.03E-05	1.65E-04	9.03E-06	1.40E-05	2.70E-05	1.36E-06	1.36E-05	2.32E-05	1.72E-06	7.74E-06	1.28E-05	4.24E-07
633	743908.93	4109632.59	9.00E-05	1.64E-04	9.00E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.71E-06	1.28E-05	4.23E-07
634	743913.63	4109656.31	8.94E-05	1.63E-04	8.94E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.66E-06	1.27E-05	4.20E-07
635	743918.32	4109680.03	8.84E-05	1.61E-04	8.84E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
636	743923.02	4109703.75	8.70E-05	1.59E-04	8.70E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.45E-06	1.23E-05	4.09E-07
637	743927.71	4109727.47	8.53E-05	1.55E-04	8.53E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.62E-06	7.31E-06	1.21E-05	4.01E-07
638	743932.41	4109751.19	8.33E-05	1.52E-04	8.33E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.14E-06	1.18E-05	3.91E-07
639	743937.1	4109774.91	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
640	743941.8	4109798.64	7.89E-05	1.44E-04	7.90E-06	1.22E-05	2.36E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.76E-06	1.12E-05	3.71E-07
641	743946.49	4109822.36	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
642	743951.19	4109846.08	7.45E-05	1.36E-04	7.45E-06	1.16E-05	2.23E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
643	743955.88	4109869.8	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
644	743960.58	4109893.52	7.03E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.97E-06	3.31E-07

645	743965.27	4109917.24	6.85E-05	1.25E-04	6.85E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.87E-06	9.71E-06	3.22E-07
646	743969.96	4109940.96	6.67E-05	1.22E-04	6.68E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.72E-06	9.46E-06	3.14E-07
647	743974.66	4109964.68	6.51E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
648	743979.35	4109988.4	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
649	743984.05	4110012.12	6.24E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.34E-06	8.84E-06	2.93E-07
650	743988.74	4110035.84	6.12E-05	1.12E-04	6.12E-06	9.49E-06	1.83E-05	9.18E-07	9.23E-06	1.57E-05	1.17E-06	5.24E-06	8.68E-06	2.88E-07
651	743993.44	4110059.56	6.01E-05	1.10E-04	6.01E-06	9.32E-06	1.80E-05	9.02E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.52E-06	2.83E-07
652	743998.13	4110083.29	5.91E-05	1.08E-04	5.92E-06	9.17E-06	1.77E-05	8.88E-07	8.92E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
653	744002.83	4110107.01	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
654	744007.52	4110130.73	5.75E-05	1.05E-04	5.76E-06	8.92E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.70E-07
655	744012.22	4110154.45	5.68E-05	1.04E-04	5.68E-06	8.81E-06	1.70E-05	8.53E-07	8.57E-06	1.46E-05	1.08E-06	4.87E-06	8.05E-06	2.67E-07
656	744016.91	4110178.17	5.61E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.81E-06	7.96E-06	2.64E-07
657	744021.61	4110201.89	5.55E-05	1.01E-04	5.55E-06	8.61E-06	1.66E-05	8.33E-07	8.37E-06	1.43E-05	1.06E-06	4.76E-06	7.87E-06	2.61E-07
658	744026.3	4110225.61	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.28E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
659	744031	4110249.33	5.43E-05	9.90E-05	5.44E-06	8.42E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.04E-06	4.65E-06	7.70E-06	2.55E-07
660	744035.69	4110273.05	5.38E-05	9.80E-05	5.38E-06	8.34E-06	1.61E-05	8.07E-07	8.11E-06	1.38E-05	1.02E-06	4.61E-06	7.62E-06	2.53E-07
661	744040.39	4110296.77	5.32E-05	9.70E-05	5.32E-06	8.25E-06	1.59E-05	7.99E-07	8.02E-06	1.37E-05	1.01E-06	4.56E-06	7.54E-06	2.50E-07
662	744045.08	4110320.49	5.27E-05	9.60E-05	5.27E-06	8.17E-06	1.57E-05	7.91E-07	7.94E-06	1.35E-05	1.00E-06	4.51E-06	7.47E-06	2.48E-07
663	744049.77	4110344.21	5.22E-05	9.51E-05	5.22E-06	8.09E-06	1.56E-05	7.83E-07	7.87E-06	1.34E-05	9.94E-07	4.47E-06	7.40E-06	2.45E-07
664	744041.05	4110388.05	5.20E-05	9.48E-05	5.21E-06	8.07E-06	1.55E-05	7.81E-07	7.85E-06	1.34E-05	9.92E-07	4.46E-06	7.38E-06	2.45E-07
665	744027.64	4110408.17	5.24E-05	9.55E-05	5.24E-06	8.13E-06	1.57E-05	7.87E-07	7.90E-06	1.35E-05	9.99E-07	4.49E-06	7.43E-06	2.46E-07
666	744014.22	4110428.29	5.29E-05	9.63E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.48E-07
667	744000.81	4110448.41	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.60E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.58E-06	7.57E-06	2.51E-07
668	743987.39	4110468.53	5.40E-05	9.84E-05	5.40E-06	8.38E-06	1.61E-05	8.11E-07	8.14E-06	1.39E-05	1.03E-06	4.63E-06	7.66E-06	2.54E-07
669	743973.98	4110488.65	5.47E-05	9.96E-05	5.47E-06	8.48E-06	1.63E-05	8.21E-07	8.25E-06	1.41E-05	1.04E-06	4.69E-06	7.75E-06	2.57E-07
670	743960.56	4110508.76	5.54E-05	1.01E-04	5.54E-06	8.59E-06	1.65E-05	8.31E-07	8.35E-06	1.42E-05	1.06E-06	4.74E-06	7.85E-06	2.60E-07
671	743947.15	4110528.88	5.61E-05	1.02E-04	5.61E-06	8.69E-06	1.67E-05	8.41E-07	8.45E-06	1.44E-05	1.07E-06	4.80E-06	7.95E-06	2.63E-07
672	743933.73	4110549	5.67E-05	1.03E-04	5.68E-06	8.80E-06	1.69E-05	8.51E-07	8.55E-06	1.46E-05	1.08E-06	4.86E-06	8.04E-06	2.67E-07
673	743920.32	4110569.12	5.73E-05	1.04E-04	5.74E-06	8.89E-06	1.71E-05	8.60E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.69E-07
674	743906.9	4110589.24	5.78E-05	1.05E-04	5.79E-06	8.97E-06	1.73E-05	8.68E-07	8.72E-06	1.49E-05	1.10E-06	4.96E-06	8.20E-06	2.72E-07
675	743893.49	4110609.36	5.82E-05	1.06E-04	5.82E-06	9.02E-06	1.74E-05	8.73E-07	8.77E-06	1.50E-05	1.11E-06	4.99E-06	8.25E-06	2.73E-07
676	743880.07	4110629.47	5.84E-05	1.06E-04	5.84E-06	9.05E-06	1.74E-05	8.76E-07	8.80E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
677	743866.66	4110649.59	5.83E-05	1.06E-04	5.84E-06	9.05E-06	1.74E-05	8.75E-07	8.80E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
678	743853.24	4110669.71	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
679	743839.83	4110689.83	5.77E-05	1.05E-04	5.77E-06	8.94E-06	1.72E-05	8.65E-07	8.69E-06	1.48E-05	1.10E-06	4.94E-06	8.17E-06	2.71E-07
680	743826.41	4110709.95	5.70E-05	1.04E-04	5.71E-06	8.84E-06	1.70E-05	8.56E-07	8.60E-06	1.47E-05	1.09E-06	4.89E-06	8.08E-06	2.68E-07
681	743813	4110730.07	5.62E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.82E-06	7.97E-06	2.64E-07
682	743799.58	4110750.18	5.52E-05	1.01E-04	5.52E-06	8.56E-06	1.65E-05	8.29E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.83E-06	2.59E-07
683	743786.17	4110770.3	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
684	743772.75	4110790.42	5.29E-05	9.64E-05	5.30E-06	8.21E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
685	743759.34	4110810.54	5.17E-05	9.42E-05	5.17E-06	8.02E-06	1.55E-05	7.76E-07	7.80E-06	1.33E-05	9.86E-07	4.43E-06	7.33E-06	2.43E-07
686	743745.92	4110830.66	5.05E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
687	743732.5	4110850.78	4.94E-05	9.01E-05	4.95E-06	7.66E-06	1.48E-05	7.42E-07	7.45E-06	1.27E-05	9.42E-07	4.23E-06	7.01E-06	2.32E-07
688	743719.09	4110870.89	4.84E-05	8.82E-05	4.84E-06	7.50E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
689	743705.67	4110891.01	4.74E-05	8.64E-05	4.75E-06	7.36E-06	1.42E-05	7.12E-07	7.15E-06	1.22E-05	9.04E-07	4.07E-06	6.73E-06	2.23E-07
690	743692.26	4110911.13	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
691	743678.84	4110931.25	4.59E-05	8.37E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
692	743665.43	4110951.37	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
693	743652.01	4110971.49	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.77E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
694	743638.6	4110991.6	4.45E-05	8.11E-05	4.45E-06	6.90E-06	1.33E-05	6.68E-07	6.71E-06	1.14E-05	8.48E-07	3.81E-06	6.31E-06	2.09E-07
695	743625.18	4111011.72	4.43E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
696	743611.77	4111031.84	4.41E-05	8.04E-05	4.41E-06	6.84E-06	1.32E-05	6.62E-07	6.65E-06	1.13E-05	8.40E-07	3.78E-06	6.25E-06	2.07E-07
697	743598.35	4111051.96	4.40E-05	8.02E-05	4.41E-06	6.83E-06	1.32E-05	6.61E-07	6.64E-06	1.13E-05	8.39E-07	3.77E-06	6.24E-06	2.07E-07
698	743584.94	4111072.08	4.41E-05	8.03E-05	4.41E-06	6.83E-06	1.32E-05	6.61E-07	6.65E-06	1.13E-05	8.40E-07	3.78E-06	6.25E-06	2.07E-07
699	743571.52	4111092.2	4.42E-05	8.05E-05	4.42E-06	6.85E-06	1.32E-05	6.63E-07	6.66E-06	1.14E-05	8.42E-07	3.78E-06	6.26E-06	2.08E-07
700	743558.11	4111112.31	4.44E-05	8.08E-05	4.44E-06	6.88E-06	1.33E-05	6.66E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.09E-07
701	743544.69	4111132.43	4.46E-05	8.13E-05	4.46E-06	6.92E-06	1.33E-05	6.70E-07	6.73E-06	1.15E-05	8.50E-07	3.82E-06	6.33E-06	2.10E-07
702	743531.28	4111152.55	4.50E-05	8.19E-05	4.50E-06	6.97E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.85E-06	6.37E-06	2.11E-07
703	743517.86	4111172.67	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
704	743504.45	4111192.79	4.57E-05	8.33E-05	4.58E-06	7.09E-06	1.37E-05	6.86E-07	6.90E-06	1.18E-05	8.71E-07	3.92E-06	6.48E-06	2.15E-07
705	743491.03	4111212.91	4.61E-05	8.40E-05	4.61E-06	7.15E-06	1.38E-05	6.92E-07	6.95E-06	1.19E-05	8.79E-07	3.95E-06	6.54E-06	2.17E-07
706	743477.62	4111233.03	4.65E-05	8.47E-05	4.65E-06	7.21E-06	1.39E-05	6.97E-07	7.01E-06	1.19E-05	8.86E-07	3.98E-06	6.59E-06	2.18E-07
707	743464.2	4111253.14	4.68E-05	8.52E-05	4.68E-06	7.25E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.91E-07	4.01E-06	6.63E-06	2.20E-07
708	743450.79	4111273.26	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.03E-06	6.66E-06	2.21E-07
709	743437.37	4111293.38	4.71E-05	8.57E-05	4.71E-06	7.30E-06	1.41E-05	7.06E-07	7.10E-06	1.21E-05	8.97E-07	4.03E-06	6.67E-06	2.21E-07
710	743423.96	4111313.5	4.70E-05	8.56E-05	4.70E-06	7.29E-06	1.40E-05	7.05E-07	7.09E-06	1.21E-05	8.96E-07	4.03E-06	6.66E-06	2.21E-07
711	743410.54	4111333.62	4.68E-05	8.52E-05	4.68E-06	7.25E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.91E-07	4.01E-06	6.63E-06	2.20E-07
712	743397.12	4111353.74	4.63E-05	8.44E-05	4.64E-06	7.19E-06	1.38E-05	6.95E-07	6.99E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
713	743383.71	4111373.85	4.57E-05	8.33E-05	4.57E-06	7.09E-06	1.37E-05	6.86E-07	6.89E-06	1.18E-05	8.71E-07	3.92E-06	6.48E-06	2.15E-07
714	743370.29	4111393.97	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.55E-07	3.85E-06	6.36E-06	2.11E-07
715	743356.88	4111414.09	4.39E-05	7.99E-05	4.39E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
716	743343.46	4111434.21	4.26E-05	7.76E-05	4.26E-06	6.61E-06	1.27E-05	6.39E-07	6.43E-06	1.10E-05	8.12E-07	3.65E-06	6.04E-06	2.00E-07

717	743330.05	4111454.33	4.12E-05	7.51E-05	4.12E-06	6.39E-06	1.23E-05	6.18E-07	6.21E-06	1.06E-05	7.85E-07	3.53E-06	5.84E-06	1.94E-07
718	743316.63	4111474.45	3.97E-05	7.23E-05	3.97E-06	6.15E-06	1.19E-05	5.95E-07	5.98E-06	1.02E-05	7.56E-07	3.40E-06	5.62E-06	1.86E-07
719	743303.22	4111494.56	3.80E-05	6.93E-05	3.81E-06	5.90E-06	1.14E-05	5.71E-07	5.73E-06	9.78E-06	7.25E-07	3.26E-06	5.39E-06	1.79E-07
720	743289.8	4111514.68	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
721	743276.39	4111534.8	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.23E-06	8.92E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
722	743262.97	4111554.92	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.88E-06	4.97E-07	4.99E-06	8.51E-06	6.30E-07	2.84E-06	4.69E-06	1.55E-07
723	743772.79	4108944.69	1.34E-04	2.45E-04	1.35E-05	2.09E-05	4.02E-05	2.02E-06	2.03E-05	3.46E-05	2.56E-06	1.15E-05	1.91E-05	6.32E-07
724	743759.24	4108924.33	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.46E-05	2.57E-06	1.15E-05	1.91E-05	6.33E-07
725	743745.69	4108903.96	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.34E-07
726	743732.14	4108883.6	1.35E-04	2.45E-04	1.35E-05	2.09E-05	4.02E-05	2.02E-06	2.03E-05	3.46E-05	2.57E-06	1.15E-05	1.91E-05	6.33E-07
727	743718.59	4108863.24	1.34E-04	2.45E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.31E-07
728	743705.04	4108842.88	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.99E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
729	743691.49	4108822.52	1.32E-04	2.41E-04	1.32E-05	2.05E-05	3.95E-05	1.99E-06	2.00E-05	3.40E-05	2.52E-06	1.13E-05	1.88E-05	6.22E-07
730	743677.95	4108802.16	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.97E-06	1.97E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.15E-07
731	743664.4	4108781.8	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.08E-07
732	744110.53	4108747.02	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.77E-07
733	744115.27	4108770.95	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.79E-07
734	744120.01	4108794.88	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
735	744124.74	4108818.81	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.76E-06	1.45E-05	4.80E-07
736	744129.48	4108842.74	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
737	744134.21	4108866.67	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.79E-07
738	744138.95	4108890.6	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.67E-06	1.43E-05	4.76E-07
739	744143.69	4108914.53	1.00E-04	1.83E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.58E-05	1.91E-06	8.59E-06	1.42E-05	4.71E-07
740	744148.42	4108938.45	9.90E-05	1.80E-04	9.90E-06	1.53E-05	2.96E-05	1.49E-06	1.49E-05	2.54E-05	1.89E-06	8.48E-06	1.40E-05	4.65E-07
741	744153.16	4108962.38	9.74E-05	1.77E-04	9.74E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.50E-05	1.86E-06	8.34E-06	1.38E-05	4.58E-07
742	744157.89	4108986.31	9.55E-05	1.74E-04	9.55E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.18E-06	1.35E-05	4.49E-07
743	744162.63	4109010.24	9.33E-05	1.70E-04	9.34E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.00E-06	1.32E-05	4.39E-07
744	744167.36	4109034.17	9.10E-05	1.66E-04	9.10E-06	1.41E-05	2.72E-05	1.37E-06	1.37E-05	2.34E-05	1.73E-06	7.80E-06	1.29E-05	4.28E-07
745	744172.1	4109058.1	8.85E-05	1.61E-04	8.86E-06	1.37E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.59E-06	1.26E-05	4.16E-07
746	744176.84	4109082.03	8.61E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.37E-06	1.22E-05	4.04E-07
747	744181.57	4109105.96	8.35E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.93E-07
748	744186.31	4109129.89	8.10E-05	1.48E-04	8.11E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.81E-07
749	744191.04	4109153.81	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
750	744195.78	4109177.74	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.54E-06	1.08E-05	3.58E-07
751	744200.52	4109201.67	7.41E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.35E-06	1.05E-05	3.48E-07
752	744205.25	4109225.6	7.21E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
753	744209.99	4109249.53	7.02E-05	1.28E-04	7.03E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.81E-05	1.34E-06	6.02E-06	9.96E-06	3.30E-07
754	744214.72	4109273.46	6.87E-05	1.25E-04	6.87E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.74E-06	3.23E-07
755	744219.46	4109297.39	6.74E-05	1.23E-04	6.75E-06	1.05E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.56E-06	3.17E-07
756	744224.2	4109321.32	6.65E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
757	744228.93	4109345.25	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
758	744233.67	4109369.17	6.57E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.86E-07	9.91E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
759	744238.4	4109393.1	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
760	744243.14	4109417.03	6.61E-05	1.20E-04	6.61E-06	1.02E-05	1.97E-05	9.92E-07	9.97E-06	1.70E-05	1.26E-06	5.66E-06	9.37E-06	3.11E-07
761	744247.88	4109440.96	6.65E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
762	744252.61	4109464.89	6.71E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.75E-06	9.51E-06	3.15E-07
763	744257.35	4109488.82	6.76E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.59E-06	3.18E-07
764	744262.08	4109512.75	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
765	744266.82	4109536.68	6.83E-05	1.24E-04	6.84E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.85E-06	9.69E-06	3.21E-07
766	744271.55	4109560.61	6.84E-05	1.25E-04	6.84E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.86E-06	9.69E-06	3.21E-07
767	744276.29	4109584.53	6.82E-05	1.24E-04	6.82E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.84E-06	9.67E-06	3.20E-07
768	744281.03	4109608.46	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
769	744285.76	4109632.39	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
770	744290.5	4109656.32	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
771	744295.23	4109680.25	6.47E-05	1.18E-04	6.47E-06	1.00E-05	1.93E-05	9.71E-07	9.75E-06	1.66E-05	1.23E-06	5.54E-06	9.17E-06	3.04E-07
772	744299.97	4109704.18	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.50E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
773	744304.71	4109728.11	6.18E-05	1.13E-04	6.18E-06	9.58E-06	1.85E-05	9.27E-07	9.32E-06	1.59E-05	1.18E-06	5.29E-06	8.76E-06	2.90E-07
774	744309.44	4109752.04	6.03E-05	1.10E-04	6.03E-06	9.35E-06	1.80E-05	9.05E-07	9.09E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.83E-07
775	744314.18	4109775.97	5.88E-05	1.07E-04	5.88E-06	9.12E-06	1.76E-05	8.82E-07	8.86E-06	1.51E-05	1.12E-06	5.04E-06	8.33E-06	2.76E-07
776	744318.91	4109799.89	5.73E-05	1.04E-04	5.74E-06	8.89E-06	1.71E-05	8.60E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.69E-07
777	744323.65	4109823.82	5.59E-05	1.02E-04	5.59E-06	8.67E-06	1.67E-05	8.39E-07	8.43E-06	1.44E-05	1.07E-06	4.79E-06	7.93E-06	2.63E-07
778	744328.39	4109847.75	5.45E-05	9.94E-05	5.46E-06	8.46E-06	1.63E-05	8.18E-07	8.22E-06	1.40E-05	1.04E-06	4.67E-06	7.73E-06	2.56E-07
779	744333.12	4109871.68	5.32E-05	9.70E-05	5.33E-06	8.26E-06	1.59E-05	7.99E-07	8.03E-06	1.37E-05	1.01E-06	4.56E-06	7.55E-06	2.50E-07
780	744337.86	4109895.61	5.20E-05	9.48E-05	5.20E-06	8.07E-06	1.55E-05	7.81E-07	7.84E-06	1.34E-05	9.91E-07	4.46E-06	7.38E-06	2.44E-07
781	744342.59	4109919.54	5.09E-05	9.27E-05	5.09E-06	7.89E-06	1.52E-05	7.64E-07	7.67E-06	1.31E-05	9.70E-07	4.36E-06	7.22E-06	2.39E-07
782	744347.33	4109943.47	4.98E-05	9.08E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.52E-06	1.28E-05	9.50E-07	4.27E-06	7.07E-06	2.34E-07
783	744352.06	4109967.4	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
784	744356.8	4109991.33	4.79E-05	8.74E-05	4.80E-06	7.43E-06	1.43E-05	7.20E-07	7.23E-06	1.23E-05	9.14E-07	4.11E-06	6.80E-06	2.25E-07
785	744361.54	4110015.25	4.71E-05	8.58E-05	4.71E-06	7.30E-06	1.41E-05	7.07E-07	7.10E-06	1.21E-05	8.97E-07	4.04E-06	6.68E-06	2.21E-07
786	744366.27	4110039.18	4.63E-05	8.44E-05	4.64E-06	7.18E-06	1.38E-05	6.95E-07	6.99E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
787	744371.01	4110063.11	4.56E-05	8.31E-05	4.57E-06	7.08E-06	1.36E-05	6.85E-07	6.88E-06	1.17E-05	8.69E-07	3.91E-06	6.47E-06	2.14E-07
788	744375.74	4110087.04	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.85E-06	6.38E-06	2.11E-07

789	744380.48	4110110.97	4.44E-05	8.09E-05	4.44E-06	6.89E-06	1.33E-05	6.67E-07	6.70E-06	1.14E-05	8.46E-07	3.81E-06	6.30E-06	2.09E-07
790	744385.22	4110134.9	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
791	744389.95	4110158.83	4.34E-05	7.91E-05	4.34E-06	6.73E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.27E-07	3.72E-06	6.16E-06	2.04E-07
792	744394.69	4110182.76	4.30E-05	7.83E-05	4.30E-06	6.67E-06	1.28E-05	6.45E-07	6.48E-06	1.11E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
793	744399.42	4110206.69	4.26E-05	7.76E-05	4.26E-06	6.60E-06	1.27E-05	6.39E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.04E-06	2.00E-07
794	744404.16	4110230.61	4.22E-05	7.69E-05	4.22E-06	6.55E-06	1.26E-05	6.33E-07	6.36E-06	1.09E-05	8.04E-07	3.62E-06	5.98E-06	1.98E-07
795	744408.9	4110254.54	4.18E-05	7.62E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.97E-07	3.59E-06	5.93E-06	1.97E-07
796	744413.63	4110278.47	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
797	744418.37	4110302.4	4.11E-05	7.49E-05	4.12E-06	6.38E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.84E-07	3.52E-06	5.83E-06	1.93E-07
798	744423.1	4110326.33	4.08E-05	7.43E-05	4.08E-06	6.32E-06	1.22E-05	6.12E-07	6.15E-06	1.05E-05	7.77E-07	3.49E-06	5.78E-06	1.92E-07
799	744427.84	4110350.26	4.04E-05	7.37E-05	4.05E-06	6.27E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.71E-07	3.46E-06	5.73E-06	1.90E-07
800	744432.58	4110374.19	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.69E-06	1.88E-07
801	744437.31	4110398.12	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
802	744442.05	4110422.04	3.94E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.52E-07	3.38E-06	5.59E-06	1.85E-07
803	744433.25	4110466.27	3.93E-05	7.17E-05	3.94E-06	6.10E-06	1.18E-05	5.90E-07	5.93E-06	1.01E-05	7.50E-07	3.37E-06	5.58E-06	1.85E-07
804	744419.72	4110486.56	3.95E-05	7.21E-05	3.96E-06	6.13E-06	1.18E-05	5.94E-07	5.96E-06	1.02E-05	7.54E-07	3.39E-06	5.61E-06	1.86E-07
805	744406.18	4110506.86	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
806	744392.65	4110527.15	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.69E-06	1.88E-07
807	744379.12	4110547.45	4.05E-05	7.37E-05	4.05E-06	6.27E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.71E-07	3.47E-06	5.74E-06	1.90E-07
808	744365.59	4110567.74	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.79E-07	3.50E-06	5.79E-06	1.92E-07
809	744352.05	4110588.04	4.13E-05	7.53E-05	4.13E-06	6.41E-06	1.23E-05	6.20E-07	6.23E-06	1.06E-05	7.87E-07	3.54E-06	5.86E-06	1.94E-07
810	744338.52	4110608.33	4.18E-05	7.62E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.97E-07	3.58E-06	5.93E-06	1.96E-07
811	744324.99	4110628.63	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.63E-06	6.00E-06	1.99E-07
812	744311.45	4110648.92	4.28E-05	7.81E-05	4.29E-06	6.64E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.16E-07	3.67E-06	6.07E-06	2.01E-07
813	744297.92	4110669.22	4.34E-05	7.90E-05	4.34E-06	6.72E-06	1.30E-05	6.51E-07	6.54E-06	1.11E-05	8.26E-07	3.71E-06	6.15E-06	2.04E-07
814	744284.39	4110689.51	4.38E-05	7.99E-05	4.38E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.76E-06	6.21E-06	2.06E-07
815	744270.86	4110709.81	4.42E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
816	744257.32	4110730.1	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
817	744243.79	4110750.4	4.48E-05	8.16E-05	4.48E-06	6.95E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.54E-07	3.84E-06	6.35E-06	2.10E-07
818	744230.26	4110770.69	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.56E-07	3.85E-06	6.37E-06	2.11E-07
819	744216.72	4110790.99	4.49E-05	8.17E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
820	744203.19	4110811.28	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.33E-05	6.70E-07	6.74E-06	1.15E-05	8.51E-07	3.83E-06	6.33E-06	2.10E-07
821	744189.66	4110831.58	4.43E-05	8.08E-05	4.44E-06	6.88E-06	1.32E-05	6.66E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
822	744176.13	4110851.87	4.39E-05	8.00E-05	4.39E-06	6.80E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
823	744162.59	4110872.17	4.33E-05	7.88E-05	4.33E-06	6.71E-06	1.29E-05	6.49E-07	6.52E-06	1.11E-05	8.24E-07	3.71E-06	6.13E-06	2.03E-07
824	744149.06	4110892.46	4.25E-05	7.75E-05	4.26E-06	6.60E-06	1.27E-05	6.38E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.03E-06	2.00E-07
825	744135.53	4110912.76	4.17E-05	7.61E-05	4.18E-06	6.47E-06	1.25E-05	6.26E-07	6.29E-06	1.07E-05	7.95E-07	3.58E-06	5.92E-06	1.96E-07
826	744121.99	4110933.05	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.16E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
827	744108.46	4110953.35	4.00E-05	7.29E-05	4.00E-06	6.20E-06	1.19E-05	6.00E-07	6.03E-06	1.03E-05	7.62E-07	3.43E-06	5.67E-06	1.88E-07
828	744094.93	4110973.64	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
829	744081.4	4110993.93	3.82E-05	6.96E-05	3.82E-06	5.93E-06	1.14E-05	5.74E-07	5.76E-06	9.83E-06	7.28E-07	3.27E-06	5.42E-06	1.80E-07
830	744067.86	4111014.23	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.13E-07	3.20E-06	5.30E-06	1.76E-07
831	744054.33	4111034.52	3.67E-05	6.68E-05	3.67E-06	5.68E-06	1.09E-05	5.50E-07	5.53E-06	9.42E-06	6.98E-07	3.14E-06	5.20E-06	1.72E-07
832	744040.8	4111054.82	3.60E-05	6.56E-05	3.60E-06	5.58E-06	1.07E-05	5.40E-07	5.43E-06	9.25E-06	6.86E-07	3.08E-06	5.10E-06	1.69E-07
833	744027.26	4111075.11	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.75E-07	3.03E-06	5.02E-06	1.66E-07
834	744013.73	4111095.41	3.49E-05	6.36E-05	3.49E-06	5.41E-06	1.04E-05	5.24E-07	5.26E-06	8.97E-06	6.65E-07	2.99E-06	4.95E-06	1.64E-07
835	744000.2	4111115.7	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.20E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
836	743986.67	4111136	3.42E-05	6.23E-05	3.42E-06	5.30E-06	1.02E-05	5.13E-07	5.16E-06	8.79E-06	6.51E-07	2.93E-06	4.85E-06	1.61E-07
837	743973.13	4111156.29	3.39E-05	6.18E-05	3.40E-06	5.26E-06	1.01E-05	5.09E-07	5.12E-06	8.72E-06	6.47E-07	2.91E-06	4.81E-06	1.59E-07
838	743959.6	4111176.59	3.37E-05	6.15E-05	3.38E-06	5.23E-06	1.01E-05	5.06E-07	5.09E-06	8.67E-06	6.43E-07	2.89E-06	4.78E-06	1.59E-07
839	743946.07	4111196.88	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
840	743932.53	4111217.18	3.35E-05	6.10E-05	3.35E-06	5.19E-06	1.00E-05	5.03E-07	5.05E-06	8.61E-06	6.38E-07	2.87E-06	4.75E-06	1.57E-07
841	743919	4111237.47	3.34E-05	6.09E-05	3.34E-06	5.18E-06	9.98E-06	5.02E-07	5.04E-06	8.59E-06	6.37E-07	2.86E-06	4.74E-06	1.57E-07
842	743905.47	4111257.77	3.34E-05	6.08E-05	3.34E-06	5.18E-06	9.97E-06	5.01E-07	5.03E-06	8.58E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
843	743891.94	4111278.06	3.34E-05	6.08E-05	3.34E-06	5.18E-06	9.97E-06	5.01E-07	5.03E-06	8.58E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
844	743878.4	4111298.36	3.34E-05	6.09E-05	3.34E-06	5.18E-06	9.98E-06	5.01E-07	5.04E-06	8.59E-06	6.37E-07	2.86E-06	4.74E-06	1.57E-07
845	743864.87	4111318.65	3.35E-05	6.10E-05	3.35E-06	5.19E-06	1.00E-05	5.02E-07	5.05E-06	8.60E-06	6.38E-07	2.87E-06	4.74E-06	1.57E-07
846	743851.34	4111338.95	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
847	743837.8	4111359.24	3.37E-05	6.15E-05	3.38E-06	5.23E-06	1.01E-05	5.06E-07	5.09E-06	8.67E-06	6.43E-07	2.89E-06	4.78E-06	1.59E-07
848	743824.27	4111379.54	3.40E-05	6.19E-05	3.40E-06	5.27E-06	1.02E-05	5.10E-07	5.12E-06	8.73E-06	6.47E-07	2.91E-06	4.82E-06	1.60E-07
849	743810.74	4111399.83	3.43E-05	6.24E-05	3.43E-06	5.31E-06	1.02E-05	5.14E-07	5.17E-06	8.81E-06	6.53E-07	2.94E-06	4.86E-06	1.61E-07
850	743797.2	4111420.13	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.20E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
851	743783.67	4111440.42	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.26E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.97E-06	1.65E-07
852	743770.14	4111460.72	3.55E-05	6.46E-05	3.55E-06	5.50E-06	1.06E-05	5.32E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
853	743756.61	4111481.01	3.59E-05	6.55E-05	3.59E-06	5.57E-06	1.07E-05	5.39E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.09E-06	1.69E-07
854	743743.07	4111501.31	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.49E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
855	743729.54	4111521.6	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.52E-07	5.55E-06	9.46E-06	7.01E-07	3.15E-06	5.22E-06	1.73E-07
856	743716.01	4111541.9	3.72E-05	6.77E-05	3.72E-06	5.76E-06	1.11E-05	5.58E-07	5.60E-06	9.55E-06	7.08E-07	3.18E-06	5.27E-06	1.75E-07
857	743702.47	4111562.19	3.74E-05	6.82E-05	3.75E-06	5.80E-06	1.12E-05	5.62E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.31E-06	1.76E-07
858	743688.94	4111582.49	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.64E-07	5.67E-06	9.66E-06	7.16E-07	3.22E-06	5.33E-06	1.77E-07
859	743675.41	4111602.78	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.64E-07	5.67E-06	9.66E-06	7.16E-07	3.22E-06	5.33E-06	1.77E-07
860	743661.88	4111623.08	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.30E-06	1.76E-07

861	743648.34	4111643.37	3.71E-05	6.75E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
862	743634.81	4111663.67	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.50E-06	9.38E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
863	743621.28	4111683.96	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.39E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
864	743607.74	4111704.25	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
865	743594.21	4111724.55	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.07E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.79E-06	1.59E-07
866	743580.68	4111744.84	3.26E-05	5.93E-05	3.26E-06	5.05E-06	9.73E-06	4.89E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.62E-06	1.53E-07
867	743567.15	4111765.14	3.12E-05	5.69E-05	3.13E-06	4.85E-06	9.34E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
868	743553.61	4111785.43	2.99E-05	5.44E-05	2.99E-06	4.63E-06	8.92E-06	4.48E-07	4.50E-06	7.68E-06	5.69E-07	2.56E-06	4.23E-06	1.40E-07
869	743540.08	4111805.73	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.27E-07	4.29E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
870	743526.55	4111826.02	2.71E-05	4.94E-05	2.71E-06	4.20E-06	8.09E-06	4.07E-07	4.09E-06	6.97E-06	5.16E-07	2.32E-06	3.84E-06	1.27E-07
871	743513.01	4111846.32	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.71E-06	3.87E-07	3.89E-06	6.63E-06	4.91E-07	2.21E-06	3.66E-06	1.21E-07
872	743499.48	4111866.61	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.34E-06	3.69E-07	3.70E-06	6.32E-06	4.68E-07	2.11E-06	3.48E-06	1.15E-07
873	743485.95	4111886.91	2.35E-05	4.28E-05	2.35E-06	3.64E-06	7.01E-06	3.52E-07	3.54E-06	6.03E-06	4.47E-07	2.01E-06	3.33E-06	1.10E-07
874	744105.8	4108723.09	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.65E-06	1.43E-05	4.74E-07
875	744092.25	4108702.73	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.66E-06	1.43E-05	4.75E-07
876	744078.7	4108682.37	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.65E-06	1.43E-05	4.75E-07
877	744065.15	4108662.01	1.01E-04	1.84E-04	1.01E-05	1.56E-05	3.01E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.64E-06	1.43E-05	4.74E-07
878	744051.6	4108641.65	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.62E-06	1.43E-05	4.73E-07
879	744038.05	4108621.29	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.58E-06	1.42E-05	4.71E-07
880	744024.51	4108600.93	9.95E-05	1.81E-04	9.96E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.56E-05	1.90E-06	8.53E-06	1.41E-05	4.68E-07
881	744010.96	4108580.57	9.87E-05	1.80E-04	9.88E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.46E-06	1.40E-05	4.64E-07
882	743997.41	4108560.2	9.77E-05	1.78E-04	9.78E-06	1.52E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.39E-05	4.59E-07
883	744443.52	4108525.3	8.03E-05	1.46E-04	8.04E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.07E-05	1.53E-06	6.88E-06	1.14E-05	3.78E-07
884	744448.23	4108549.09	8.07E-05	1.47E-04	8.07E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.07E-05	1.54E-06	6.91E-06	1.14E-05	3.79E-07
885	744452.94	4108572.89	8.10E-05	1.48E-04	8.10E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.81E-07
886	744457.65	4108596.68	8.12E-05	1.48E-04	8.13E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.82E-07
887	744462.36	4108620.47	8.14E-05	1.48E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.15E-05	3.83E-07
888	744467.07	4108644.27	8.15E-05	1.48E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.16E-05	3.83E-07
889	744471.77	4108668.06	8.14E-05	1.48E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.15E-05	3.83E-07
890	744476.48	4108691.86	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.81E-07
891	744481.19	4108715.65	8.07E-05	1.47E-04	8.08E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.14E-05	3.79E-07
892	744485.9	4108739.44	8.00E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.86E-06	1.13E-05	3.76E-07
893	744490.61	4108763.24	7.92E-05	1.44E-04	7.92E-06	1.23E-05	2.37E-05	1.19E-06	1.19E-05	2.04E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
894	744495.32	4108787.03	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
895	744500.03	4108810.83	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
896	744504.74	4108834.62	7.53E-05	1.37E-04	7.54E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.45E-06	1.07E-05	3.54E-07
897	744509.45	4108858.42	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
898	744514.16	4108882.21	7.21E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
899	744518.87	4108906	7.04E-05	1.28E-04	7.05E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.98E-06	3.31E-07
900	744523.58	4108929.8	6.87E-05	1.25E-04	6.87E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.74E-06	3.23E-07
901	744528.29	4108953.59	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
902	744533	4108977.39	6.53E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.79E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.25E-06	3.07E-07
903	744537.7	4109001.18	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.01E-06	2.99E-07
904	744542.41	4109024.98	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.34E-06	1.59E-05	1.18E-06	5.30E-06	8.78E-06	2.91E-07
905	744547.12	4109048.77	6.03E-05	1.10E-04	6.03E-06	9.35E-06	1.80E-05	9.05E-07	9.10E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.83E-07
906	744551.83	4109072.56	5.88E-05	1.07E-04	5.88E-06	9.12E-06	1.76E-05	8.82E-07	8.87E-06	1.51E-05	1.12E-06	5.04E-06	8.34E-06	2.76E-07
907	744556.54	4109096.36	5.74E-05	1.05E-04	5.74E-06	8.89E-06	1.71E-05	8.61E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.70E-07
908	744561.25	4109120.15	5.60E-05	1.02E-04	5.60E-06	8.69E-06	1.67E-05	8.41E-07	8.45E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
909	744565.96	4109143.95	5.48E-05	9.99E-05	5.49E-06	8.50E-06	1.64E-05	8.23E-07	8.27E-06	1.41E-05	1.04E-06	4.70E-06	7.77E-06	2.58E-07
910	744570.67	4109167.74	5.38E-05	9.81E-05	5.38E-06	8.34E-06	1.61E-05	8.08E-07	8.11E-06	1.38E-05	1.03E-06	4.61E-06	7.63E-06	2.53E-07
911	744575.38	4109191.54	5.30E-05	9.66E-05	5.30E-06	8.22E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
912	744580.09	4109215.33	5.24E-05	9.55E-05	5.24E-06	8.13E-06	1.57E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.43E-06	2.46E-07
913	744584.8	4109239.12	5.20E-05	9.48E-05	5.20E-06	8.07E-06	1.55E-05	7.81E-07	7.84E-06	1.34E-05	9.91E-07	4.46E-06	7.37E-06	2.44E-07
914	744589.51	4109262.92	5.18E-05	9.44E-05	5.19E-06	8.04E-06	1.55E-05	7.78E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.35E-06	2.44E-07
915	744594.22	4109286.71	5.19E-05	9.45E-05	5.19E-06	8.04E-06	1.55E-05	7.79E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.36E-06	2.44E-07
916	744598.92	4109310.51	5.21E-05	9.49E-05	5.21E-06	8.08E-06	1.56E-05	7.82E-07	7.86E-06	1.34E-05	9.93E-07	4.46E-06	7.39E-06	2.45E-07
917	744603.63	4109334.3	5.25E-05	9.56E-05	5.25E-06	8.13E-06	1.57E-05	7.87E-07	7.91E-06	1.35E-05	1.00E-06	4.49E-06	7.44E-06	2.46E-07
918	744608.34	4109358.1	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
919	744613.05	4109381.89	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
920	744617.76	4109405.68	5.39E-05	9.82E-05	5.39E-06	8.35E-06	1.61E-05	8.08E-07	8.12E-06	1.38E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
921	744622.47	4109429.48	5.43E-05	9.89E-05	5.43E-06	8.42E-06	1.62E-05	8.14E-07	8.18E-06	1.40E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
922	744627.18	4109453.27	5.46E-05	9.94E-05	5.46E-06	8.46E-06	1.63E-05	8.19E-07	8.23E-06	1.40E-05	1.04E-06	4.67E-06	7.74E-06	2.56E-07
923	744631.89	4109477.07	5.47E-05	9.97E-05	5.48E-06	8.49E-06	1.63E-05	8.21E-07	8.25E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
924	744636.6	4109500.86	5.47E-05	9.97E-05	5.47E-06	8.48E-06	1.63E-05	8.21E-07	8.25E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
925	744641.31	4109524.65	5.45E-05	9.93E-05	5.45E-06	8.45E-06	1.63E-05	8.18E-07	8.22E-06	1.40E-05	1.04E-06	4.67E-06	7.73E-06	2.56E-07
926	744646.02	4109548.45	5.41E-05	9.86E-05	5.42E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
927	744650.73	4109572.24	5.36E-05	9.76E-05	5.36E-06	8.31E-06	1.60E-05	8.04E-07	8.08E-06	1.38E-05	1.02E-06	4.59E-06	7.60E-06	2.52E-07
928	744655.44	4109596.04	5.29E-05	9.63E-05	5.29E-06	8.20E-06	1.58E-05	7.93E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.48E-07
929	744660.14	4109619.83	5.21E-05	9.49E-05	5.21E-06	8.07E-06	1.56E-05	7.81E-07	7.85E-06	1.34E-05	9.92E-07	4.46E-06	7.38E-06	2.45E-07
930	744664.85	4109643.63	5.11E-05	9.32E-05	5.12E-06	7.93E-06	1.53E-05	7.68E-07	7.71E-06	1.31E-05	9.75E-07	4.38E-06	7.25E-06	2.40E-07
931	744669.56	4109667.42	5.02E-05	9.14E-05	5.02E-06	7.78E-06	1.50E-05	7.53E-07	7.57E-06	1.29E-05	9.56E-07	4.30E-06	7.11E-06	2.36E-07
932	744674.27	4109691.21	4.91E-05	8.95E-05	4.92E-06	7.62E-06	1.47E-05	7.37E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.96E-06	2.31E-07

933	744678.98	4109715.01	4.80E-05	8.75E-05	4.81E-06	7.45E-06	1.44E-05	7.21E-07	7.24E-06	1.24E-05	9.15E-07	4.12E-06	6.81E-06	2.26E-07
934	744683.69	4109738.8	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.02E-06	6.66E-06	2.21E-07
935	744688.4	4109762.6	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
936	744693.11	4109786.39	4.49E-05	8.17E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
937	744697.82	4109810.19	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
938	744702.53	4109833.98	4.28E-05	7.79E-05	4.28E-06	6.63E-06	1.28E-05	6.42E-07	6.45E-06	1.10E-05	8.15E-07	3.66E-06	6.06E-06	2.01E-07
939	744707.24	4109857.77	4.21E-05	7.67E-05	4.21E-06	6.53E-06	1.26E-05	6.32E-07	6.35E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
940	744711.95	4109881.57	4.13E-05	7.52E-05	4.13E-06	6.40E-06	1.23E-05	6.20E-07	6.23E-06	1.06E-05	7.87E-07	3.54E-06	5.85E-06	1.94E-07
941	744716.66	4109905.36	4.05E-05	7.38E-05	4.05E-06	6.28E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.75E-06	1.90E-07
942	744721.37	4109929.16	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
943	744726.07	4109952.95	3.91E-05	7.13E-05	3.92E-06	6.07E-06	1.17E-05	5.87E-07	5.90E-06	1.01E-05	7.46E-07	3.35E-06	5.55E-06	1.84E-07
944	744730.78	4109976.75	3.85E-05	7.01E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.80E-06	9.89E-06	7.33E-07	3.30E-06	5.46E-06	1.81E-07
945	744735.49	4110000.54	3.79E-05	6.90E-05	3.79E-06	5.87E-06	1.13E-05	5.68E-07	5.71E-06	9.74E-06	7.22E-07	3.25E-06	5.37E-06	1.78E-07
946	744740.2	4110024.33	3.73E-05	6.80E-05	3.73E-06	5.79E-06	1.11E-05	5.60E-07	5.63E-06	9.59E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
947	744744.91	4110048.13	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.55E-06	9.45E-06	7.01E-07	3.15E-06	5.21E-06	1.73E-07
948	744749.62	4110071.92	3.63E-05	6.61E-05	3.63E-06	5.62E-06	1.08E-05	5.44E-07	5.47E-06	9.32E-06	6.91E-07	3.11E-06	5.14E-06	1.70E-07
949	744754.33	4110095.72	3.58E-05	6.53E-05	3.58E-06	5.55E-06	1.07E-05	5.38E-07	5.40E-06	9.21E-06	6.82E-07	3.07E-06	5.08E-06	1.68E-07
950	744759.04	4110119.51	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.75E-07	3.03E-06	5.02E-06	1.66E-07
951	744763.75	4110143.3	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.26E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.97E-06	1.65E-07
952	744768.46	4110167.1	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.20E-07	5.23E-06	8.91E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
953	744773.17	4110190.89	3.44E-05	6.26E-05	3.44E-06	5.33E-06	1.03E-05	5.16E-07	5.18E-06	8.84E-06	6.55E-07	2.95E-06	4.87E-06	1.62E-07
954	744777.88	4110214.69	3.41E-05	6.21E-05	3.41E-06	5.29E-06	1.02E-05	5.12E-07	5.14E-06	8.76E-06	6.50E-07	2.92E-06	4.83E-06	1.60E-07
955	744782.59	4110238.48	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.08E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.80E-06	1.59E-07
956	744787.29	4110262.28	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
957	744792	4110286.07	3.33E-05	6.08E-05	3.34E-06	5.17E-06	9.96E-06	5.00E-07	5.03E-06	8.57E-06	6.35E-07	2.86E-06	4.73E-06	1.57E-07
958	744796.71	4110309.86	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.89E-06	4.97E-07	4.99E-06	8.51E-06	6.31E-07	2.84E-06	4.69E-06	1.56E-07
959	744801.42	4110333.66	3.29E-05	5.99E-05	3.29E-06	5.10E-06	9.82E-06	4.94E-07	4.96E-06	8.45E-06	6.27E-07	2.82E-06	4.66E-06	1.55E-07
960	744806.13	4110357.45	3.27E-05	5.95E-05	3.27E-06	5.06E-06	9.75E-06	4.90E-07	4.92E-06	8.39E-06	6.22E-07	2.80E-06	4.63E-06	1.53E-07
961	744810.84	4110381.25	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
962	744815.55	4110405.04	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.85E-06	8.28E-06	6.14E-07	2.76E-06	4.56E-06	1.51E-07
963	744820.26	4110428.84	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
964	744824.97	4110452.63	3.17E-05	5.78E-05	3.18E-06	4.92E-06	9.48E-06	4.76E-07	4.79E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
965	744829.68	4110476.42	3.15E-05	5.74E-05	3.15E-06	4.89E-06	9.42E-06	4.73E-07	4.75E-06	8.10E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
966	744834.39	4110500.22	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.35E-06	4.70E-07	4.72E-06	8.05E-06	5.97E-07	2.68E-06	4.44E-06	1.47E-07
967	744825.64	4110544.19	3.12E-05	5.69E-05	3.12E-06	4.84E-06	9.33E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
968	744812.18	4110564.37	3.14E-05	5.71E-05	3.14E-06	4.86E-06	9.37E-06	4.71E-07	4.73E-06	8.06E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
969	744798.73	4110584.55	3.15E-05	5.74E-05	3.15E-06	4.89E-06	9.41E-06	4.73E-07	4.75E-06	8.10E-06	6.00E-07	2.70E-06	4.47E-06	1.48E-07
970	744785.27	4110604.74	3.17E-05	5.77E-05	3.17E-06	4.91E-06	9.47E-06	4.76E-07	4.78E-06	8.14E-06	6.04E-07	2.71E-06	4.49E-06	1.49E-07
971	744771.81	4110624.92	3.19E-05	5.81E-05	3.19E-06	4.95E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
972	744758.36	4110645.1	3.21E-05	5.86E-05	3.22E-06	4.98E-06	9.60E-06	4.82E-07	4.85E-06	8.26E-06	6.12E-07	2.75E-06	4.56E-06	1.51E-07
973	744744.9	4110665.28	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.68E-06	4.87E-07	4.89E-06	8.33E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
974	744731.44	4110685.46	3.27E-05	5.96E-05	3.27E-06	5.08E-06	9.78E-06	4.91E-07	4.94E-06	8.41E-06	6.24E-07	2.80E-06	4.64E-06	1.54E-07
975	744717.99	4110705.64	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.88E-06	4.96E-07	4.99E-06	8.50E-06	6.30E-07	2.83E-06	4.69E-06	1.55E-07
976	744704.53	4110725.82	3.34E-05	6.09E-05	3.35E-06	5.19E-06	9.99E-06	5.02E-07	5.04E-06	8.60E-06	6.37E-07	2.87E-06	4.74E-06	1.57E-07
977	744691.07	4110746	3.38E-05	6.16E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.10E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
978	744677.62	4110766.18	3.42E-05	6.24E-05	3.43E-06	5.31E-06	1.02E-05	5.14E-07	5.16E-06	8.80E-06	6.52E-07	2.93E-06	4.85E-06	1.61E-07
979	744664.16	4110786.36	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.20E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
980	744650.7	4110806.54	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.25E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.96E-06	1.65E-07
981	744637.25	4110826.72	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
982	744623.79	4110846.9	3.56E-05	6.50E-05	3.57E-06	5.53E-06	1.06E-05	5.35E-07	5.38E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.68E-07
983	744610.33	4110867.08	3.59E-05	6.54E-05	3.59E-06	5.56E-06	1.07E-05	5.39E-07	5.41E-06	9.22E-06	6.84E-07	3.07E-06	5.09E-06	1.69E-07
984	744596.88	4110887.26	3.60E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.43E-06	9.26E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
985	744583.42	4110907.45	3.61E-05	6.58E-05	3.61E-06	5.60E-06	1.08E-05	5.42E-07	5.44E-06	9.28E-06	6.88E-07	3.09E-06	5.12E-06	1.70E-07
986	744569.96	4110927.63	3.61E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.44E-06	9.27E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
987	744556.51	4110947.81	3.59E-05	6.55E-05	3.59E-06	5.57E-06	1.07E-05	5.39E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.09E-06	1.69E-07
988	744543.05	4110967.99	3.57E-05	6.50E-05	3.57E-06	5.54E-06	1.07E-05	5.36E-07	5.38E-06	9.18E-06	6.80E-07	3.06E-06	5.06E-06	1.68E-07
989	744529.59	4110988.17	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
990	744516.13	4111008.35	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
991	744502.68	4111028.53	3.44E-05	6.27E-05	3.44E-06	5.34E-06	1.03E-05	5.16E-07	5.19E-06	8.85E-06	6.56E-07	2.95E-06	4.88E-06	1.62E-07
992	744489.22	4111048.71	3.38E-05	6.16E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.10E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
993	744475.76	4111068.89	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.92E-06	4.98E-07	5.01E-06	8.54E-06	6.33E-07	2.85E-06	4.71E-06	1.56E-07
994	744462.31	4111089.07	3.26E-05	5.93E-05	3.26E-06	5.05E-06	9.72E-06	4.89E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.62E-06	1.53E-07
995	744448.85	4111109.25	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
996	744435.39	4111129.43	3.12E-05	5.69E-05	3.12E-06	4.84E-06	9.32E-06	4.68E-07	4.71E-06	8.02E-06	5.95E-07	2.67E-06	4.42E-06	1.47E-07
997	744421.94	4111149.61	3.06E-05	5.57E-05	3.06E-06	4.74E-06	9.13E-06	4.59E-07	4.61E-06	7.86E-06	5.82E-07	2.62E-06	4.33E-06	1.44E-07
998	744408.48	4111169.79	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
999	744395.02	4111189.97	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.59E-07	2.52E-06	4.16E-06	1.38E-07
1000	744381.57	4111210.16	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.61E-06	4.33E-07	4.35E-06	7.41E-06	5.49E-07	2.47E-06	4.09E-06	1.35E-07
1001	744368.11	4111230.34	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.47E-06	4.26E-07	4.28E-06	7.29E-06	5.41E-07	2.43E-06	4.02E-06	1.33E-07
1002	744354.65	4111250.52	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
1003	744341.2	4111270.7	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.15E-07	4.17E-06	7.10E-06	5.26E-07	2.37E-06	3.92E-06	1.30E-07
1004	744327.74	4111290.88	2.74E-05	4.98E-05	2.74E-06	4.24E-06	8.17E-06	4.11E-07	4.12E-06	7.03E-06	5.21E-07	2.34E-06	3.88E-06	1.29E-07

1005	744314.28	4111311.06	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.85E-06	1.27E-07
1006	744300.83	4111331.24	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.05E-06	4.05E-07	4.07E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
1007	744287.37	4111351.42	2.69E-05	4.89E-05	2.69E-06	4.16E-06	8.02E-06	4.03E-07	4.05E-06	6.90E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
1008	744273.91	4111371.6	2.68E-05	4.88E-05	2.68E-06	4.15E-06	7.99E-06	4.02E-07	4.04E-06	6.88E-06	5.10E-07	2.29E-06	3.79E-06	1.26E-07
1009	744260.46	4111391.78	2.67E-05	4.86E-05	2.67E-06	4.14E-06	7.97E-06	4.01E-07	4.03E-06	6.86E-06	5.09E-07	2.29E-06	3.78E-06	1.25E-07
1010	744247	4111411.96	2.66E-05	4.85E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1011	744233.54	4111432.14	2.66E-05	4.85E-05	2.66E-06	4.13E-06	7.95E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
1012	744220.09	4111452.32	2.66E-05	4.85E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
1013	744206.63	4111472.5	2.66E-05	4.84E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.83E-06	5.06E-07	2.28E-06	3.77E-06	1.25E-07
1014	744193.17	4111492.68	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1015	744179.72	4111512.87	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1016	744166.26	4111533.05	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1017	744152.8	4111553.23	2.66E-05	4.84E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.83E-06	5.06E-07	2.28E-06	3.77E-06	1.25E-07
1018	744139.35	4111573.41	2.66E-05	4.85E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1019	744125.89	4111593.59	2.68E-05	4.87E-05	2.68E-06	4.15E-06	7.99E-06	4.01E-07	4.03E-06	6.88E-06	5.10E-07	2.29E-06	3.79E-06	1.26E-07
1020	744112.43	4111613.77	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.81E-06	1.26E-07
1021	744098.98	4111633.95	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.84E-06	1.27E-07
1022	744085.52	4111654.13	2.74E-05	4.99E-05	2.74E-06	4.25E-06	8.18E-06	4.11E-07	4.13E-06	7.04E-06	5.22E-07	2.35E-06	3.88E-06	1.29E-07
1023	744072.06	4111674.31	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.28E-06	4.16E-07	4.18E-06	7.13E-06	5.28E-07	2.38E-06	3.93E-06	1.30E-07
1024	744058.61	4111694.49	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.40E-06	4.22E-07	4.24E-06	7.23E-06	5.36E-07	2.41E-06	3.99E-06	1.32E-07
1025	744045.15	4111714.67	2.86E-05	5.20E-05	2.86E-06	4.43E-06	8.53E-06	4.29E-07	4.31E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
1026	744031.69	4111734.85	2.90E-05	5.29E-05	2.90E-06	4.50E-06	8.67E-06	4.36E-07	4.38E-06	7.46E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
1027	744018.24	4111755.03	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
1028	744004.78	4111775.21	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
1029	743991.32	4111795.39	3.04E-05	5.55E-05	3.05E-06	4.72E-06	9.09E-06	4.57E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.32E-06	1.43E-07
1030	743977.87	4111815.58	3.08E-05	5.62E-05	3.08E-06	4.78E-06	9.21E-06	4.63E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
1031	743964.41	4111835.76	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
1032	743950.95	4111855.94	3.13E-05	5.71E-05	3.13E-06	4.86E-06	9.36E-06	4.70E-07	4.72E-06	8.05E-06	5.97E-07	2.68E-06	4.44E-06	1.47E-07
1033	743937.5	4111876.12	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.38E-06	4.71E-07	4.73E-06	8.07E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
1034	743924.04	4111896.3	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.35E-06	4.70E-07	4.72E-06	8.04E-06	5.96E-07	2.68E-06	4.44E-06	1.47E-07
1035	743910.58	4111916.48	3.11E-05	5.66E-05	3.11E-06	4.82E-06	9.28E-06	4.66E-07	4.68E-06	7.98E-06	5.92E-07	2.66E-06	4.40E-06	1.46E-07
1036	743897.13	4111936.66	3.07E-05	5.59E-05	3.07E-06	4.75E-06	9.16E-06	4.60E-07	4.62E-06	7.88E-06	5.84E-07	2.63E-06	4.35E-06	1.44E-07
1037	743883.67	4111956.84	3.01E-05	5.49E-05	3.01E-06	4.67E-06	8.99E-06	4.52E-07	4.54E-06	7.74E-06	5.74E-07	2.58E-06	4.27E-06	1.41E-07
1038	743870.21	4111977.02	2.94E-05	5.36E-05	2.94E-06	4.56E-06	8.78E-06	4.41E-07	4.43E-06	7.56E-06	5.60E-07	2.52E-06	4.17E-06	1.38E-07
1039	743856.76	4111997.2	2.86E-05	5.21E-05	2.86E-06	4.43E-06	8.53E-06	4.29E-07	4.31E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
1040	743843.3	4112017.38	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.14E-07	4.16E-06	7.10E-06	5.26E-07	2.37E-06	3.91E-06	1.30E-07
1041	743829.84	4112037.56	2.66E-05	4.84E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.83E-06	5.06E-07	2.28E-06	3.77E-06	1.25E-07
1042	743816.39	4112057.74	2.55E-05	4.64E-05	2.55E-06	3.95E-06	7.61E-06	3.82E-07	3.84E-06	6.54E-06	4.85E-07	2.18E-06	3.61E-06	1.20E-07
1043	743802.93	4112077.92	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.27E-06	3.65E-07	3.67E-06	6.25E-06	4.63E-07	2.08E-06	3.45E-06	1.14E-07
1044	743789.47	4112098.1	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.48E-07	3.49E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
1045	743776.01	4112118.29	2.21E-05	4.02E-05	2.21E-06	3.42E-06	6.59E-06	3.31E-07	3.33E-06	5.67E-06	4.20E-07	1.89E-06	3.13E-06	1.04E-07
1046	743762.56	4112138.47	2.10E-05	3.83E-05	2.10E-06	3.26E-06	6.27E-06	3.15E-07	3.17E-06	5.40E-06	4.00E-07	1.80E-06	2.98E-06	9.87E-08
1047	743749.1	4112158.65	2.00E-05	3.64E-05	2.00E-06	3.10E-06	5.98E-06	3.00E-07	3.02E-06	5.14E-06	3.81E-07	1.71E-06	2.84E-06	9.40E-08
1048	743735.64	4112178.83	1.91E-05	3.48E-05	1.91E-06	2.96E-06	5.71E-06	2.87E-07	2.88E-06	4.91E-06	3.64E-07	1.64E-06	2.71E-06	8.98E-08
1049	743722.19	4112199.01	1.83E-05	3.34E-05	1.83E-06	2.84E-06	5.48E-06	2.75E-07	2.76E-06	4.71E-06	3.49E-07	1.57E-06	2.60E-06	8.61E-08
1050	743708.73	4112219.19	1.71E-05	3.12E-05	1.71E-06	2.66E-06	5.12E-06	2.57E-07	2.58E-06	4.40E-06	3.26E-07	1.47E-06	2.43E-06	8.05E-08
1051	744438.81	4108501.5	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1052	744425.26	4108481.14	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1053	744411.71	4108460.78	7.99E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1054	744398.16	4108440.42	7.99E-05	1.46E-04	7.99E-06	1.24E-05	2.39E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
1055	744384.62	4108420.06	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
1056	744371.07	4108399.7	7.95E-05	1.45E-04	7.95E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.81E-06	1.13E-05	3.73E-07
1057	744357.52	4108379.34	7.91E-05	1.44E-04	7.91E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
1058	744343.97	4108358.97	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
1059	744330.42	4108338.61	7.80E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.67E-07
1060	744776.56	4108303.85	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
1061	744781.3	4108327.79	6.64E-05	1.21E-04	6.65E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
1062	744786.04	4108351.73	6.67E-05	1.22E-04	6.67E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.71E-05	1.27E-06	5.71E-06	9.45E-06	3.13E-07
1063	744790.77	4108375.67	6.69E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.49E-06	3.15E-07
1064	744795.51	4108399.61	6.72E-05	1.22E-04	6.72E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.75E-06	9.52E-06	3.16E-07
1065	744800.25	4108423.55	6.73E-05	1.23E-04	6.74E-06	1.04E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.28E-06	5.77E-06	9.55E-06	3.16E-07
1066	744804.99	4108447.49	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.56E-06	3.17E-07
1067	744809.73	4108471.43	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
1068	744814.46	4108495.37	6.74E-05	1.23E-04	6.75E-06	1.05E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.28E-06	5.78E-06	9.56E-06	3.17E-07
1069	744819.2	4108519.31	6.72E-05	1.22E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.76E-06	9.53E-06	3.16E-07
1070	744823.94	4108543.25	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
1071	744828.68	4108567.19	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.69E-06	9.41E-06	3.12E-07
1072	744833.42	4108591.13	6.57E-05	1.20E-04	6.57E-06	1.02E-05	1.96E-05	9.86E-07	9.90E-06	1.69E-05	1.25E-06	5.63E-06	9.31E-06	3.09E-07
1073	744838.15	4108615.06	6.49E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.78E-06	1.67E-05	1.24E-06	5.56E-06	9.20E-06	3.05E-07
1074	744842.89	4108639	6.39E-05	1.16E-04	6.39E-06	9.91E-06	1.91E-05	9.59E-07	9.64E-06	1.64E-05	1.22E-06	5.48E-06	9.06E-06	3.00E-07
1075	744847.63	4108662.94	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.43E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
1076	744852.37	4108686.88	6.17E-05	1.12E-04	6.17E-06	9.57E-06	1.84E-05	9.26E-07	9.31E-06	1.59E-05	1.18E-06	5.29E-06	8.75E-06	2.90E-07

1077	744857.11	4108710.82	6.05E-05	1.10E-04	6.05E-06	9.38E-06	1.81E-05	9.08E-07	9.12E-06	1.56E-05	1.15E-06	5.18E-06	8.58E-06	2.84E-07
1078	744861.84	4108734.76	5.93E-05	1.08E-04	5.93E-06	9.19E-06	1.77E-05	8.90E-07	8.94E-06	1.52E-05	1.13E-06	5.08E-06	8.40E-06	2.79E-07
1079	744866.58	4108758.7	5.80E-05	1.06E-04	5.80E-06	9.00E-06	1.73E-05	8.71E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.22E-06	2.73E-07
1080	744871.32	4108782.64	5.68E-05	1.03E-04	5.68E-06	8.80E-06	1.70E-05	8.52E-07	8.56E-06	1.46E-05	1.08E-06	4.86E-06	8.05E-06	2.67E-07
1081	744876.06	4108806.58	5.55E-05	1.01E-04	5.55E-06	8.61E-06	1.66E-05	8.33E-07	8.37E-06	1.43E-05	1.06E-06	4.76E-06	7.87E-06	2.61E-07
1082	744880.8	4108830.52	5.42E-05	9.88E-05	5.43E-06	8.41E-06	1.62E-05	8.14E-07	8.18E-06	1.39E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
1083	744885.53	4108854.46	5.30E-05	9.66E-05	5.30E-06	8.22E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
1084	744890.27	4108878.4	5.18E-05	9.44E-05	5.18E-06	8.03E-06	1.55E-05	7.77E-07	7.81E-06	1.33E-05	9.87E-07	4.44E-06	7.34E-06	2.43E-07
1085	744895.01	4108902.34	5.06E-05	9.22E-05	5.06E-06	7.85E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.34E-06	7.17E-06	2.38E-07
1086	744899.75	4108926.28	4.94E-05	9.01E-05	4.95E-06	7.67E-06	1.48E-05	7.42E-07	7.45E-06	1.27E-05	9.42E-07	4.24E-06	7.01E-06	2.32E-07
1087	744904.49	4108950.22	4.83E-05	8.80E-05	4.83E-06	7.49E-06	1.44E-05	7.25E-07	7.28E-06	1.24E-05	9.20E-07	4.14E-06	6.85E-06	2.27E-07
1088	744909.22	4108974.16	4.72E-05	8.61E-05	4.73E-06	7.32E-06	1.41E-05	7.09E-07	7.12E-06	1.21E-05	9.00E-07	4.05E-06	6.70E-06	2.22E-07
1089	744913.96	4108998.1	4.62E-05	8.42E-05	4.63E-06	7.17E-06	1.38E-05	6.94E-07	6.97E-06	1.19E-05	8.81E-07	3.96E-06	6.55E-06	2.17E-07
1090	744918.7	4109022.04	4.53E-05	8.26E-05	4.53E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
1091	744923.44	4109045.98	4.45E-05	8.11E-05	4.45E-06	6.90E-06	1.33E-05	6.68E-07	6.71E-06	1.14E-05	8.48E-07	3.81E-06	6.31E-06	2.09E-07
1092	744928.18	4109069.92	4.38E-05	7.98E-05	4.38E-06	6.79E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.75E-06	6.21E-06	2.06E-07
1093	744932.91	4109093.86	4.33E-05	7.89E-05	4.33E-06	6.71E-06	1.29E-05	6.50E-07	6.53E-06	1.11E-05	8.25E-07	3.71E-06	6.14E-06	2.03E-07
1094	744937.65	4109117.8	4.29E-05	7.81E-05	4.29E-06	6.65E-06	1.28E-05	6.44E-07	6.47E-06	1.10E-05	8.17E-07	3.67E-06	6.08E-06	2.02E-07
1095	744942.39	4109141.74	4.27E-05	7.77E-05	4.27E-06	6.62E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.13E-07	3.66E-06	6.05E-06	2.00E-07
1096	744947.13	4109165.68	4.26E-05	7.76E-05	4.26E-06	6.60E-06	1.27E-05	6.39E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.04E-06	2.00E-07
1097	744951.87	4109189.62	4.26E-05	7.77E-05	4.27E-06	6.61E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.13E-07	3.65E-06	6.05E-06	2.00E-07
1098	744956.6	4109213.55	4.28E-05	7.81E-05	4.29E-06	6.64E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.16E-07	3.67E-06	6.07E-06	2.01E-07
1099	744961.34	4109237.49	4.31E-05	7.86E-05	4.32E-06	6.69E-06	1.29E-05	6.47E-07	6.50E-06	1.11E-05	8.22E-07	3.70E-06	6.12E-06	2.03E-07
1100	744966.08	4109261.43	4.35E-05	7.93E-05	4.35E-06	6.75E-06	1.30E-05	6.53E-07	6.56E-06	1.12E-05	8.29E-07	3.73E-06	6.17E-06	2.04E-07
1101	744970.82	4109285.37	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.37E-07	3.76E-06	6.23E-06	2.06E-07
1102	744975.56	4109309.31	4.43E-05	8.08E-05	4.44E-06	6.88E-06	1.32E-05	6.65E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
1103	744980.29	4109333.25	4.47E-05	8.15E-05	4.47E-06	6.94E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
1104	744985.03	4109357.19	4.50E-05	8.21E-05	4.51E-06	6.99E-06	1.35E-05	6.76E-07	6.79E-06	1.16E-05	8.58E-07	3.86E-06	6.39E-06	2.12E-07
1105	744989.77	4109381.13	4.53E-05	8.26E-05	4.53E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
1106	744994.51	4109405.07	4.54E-05	8.28E-05	4.55E-06	7.05E-06	1.36E-05	6.82E-07	6.85E-06	1.17E-05	8.66E-07	3.89E-06	6.44E-06	2.14E-07
1107	744999.25	4109429.01	4.55E-05	8.28E-05	4.55E-06	7.05E-06	1.36E-05	6.82E-07	6.86E-06	1.17E-05	8.66E-07	3.90E-06	6.45E-06	2.14E-07
1108	745003.98	4109452.95	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
1109	745008.72	4109476.89	4.51E-05	8.22E-05	4.51E-06	6.99E-06	1.35E-05	6.77E-07	6.80E-06	1.16E-05	8.59E-07	3.86E-06	6.39E-06	2.12E-07
1110	745013.46	4109500.83	4.47E-05	8.15E-05	4.47E-06	6.94E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
1111	745018.2	4109524.77	4.42E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
1112	745022.94	4109548.71	4.36E-05	7.95E-05	4.37E-06	6.77E-06	1.30E-05	6.55E-07	6.58E-06	1.12E-05	8.32E-07	3.74E-06	6.19E-06	2.05E-07
1113	745027.68	4109572.65	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
1114	745032.41	4109596.59	4.23E-05	7.70E-05	4.23E-06	6.55E-06	1.26E-05	6.34E-07	6.37E-06	1.09E-05	8.05E-07	3.62E-06	5.99E-06	1.99E-07
1115	745037.15	4109620.53	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
1116	745041.89	4109644.47	4.07E-05	7.41E-05	4.07E-06	6.31E-06	1.22E-05	6.11E-07	6.13E-06	1.05E-05	7.75E-07	3.49E-06	5.77E-06	1.91E-07
1117	745046.63	4109668.41	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
1118	745051.37	4109692.35	3.89E-05	7.09E-05	3.90E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
1119	745056.1	4109716.29	3.81E-05	6.94E-05	3.81E-06	5.91E-06	1.14E-05	5.72E-07	5.75E-06	9.80E-06	7.26E-07	3.27E-06	5.40E-06	1.79E-07
1120	745060.84	4109740.23	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
1121	745065.58	4109764.17	3.66E-05	6.67E-05	3.66E-06	5.68E-06	1.09E-05	5.50E-07	5.52E-06	9.41E-06	6.98E-07	3.14E-06	5.19E-06	1.72E-07
1122	745070.32	4109788.11	3.61E-05	6.58E-05	3.62E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.12E-06	1.70E-07
1123	745075.06	4109812.04	3.55E-05	6.47E-05	3.55E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.13E-06	6.77E-07	3.04E-06	5.04E-06	1.67E-07
1124	745079.79	4109835.98	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
1125	745084.53	4109859.92	3.43E-05	6.25E-05	3.43E-06	5.32E-06	1.03E-05	5.15E-07	5.17E-06	8.82E-06	6.54E-07	2.94E-06	4.86E-06	1.61E-07
1126	745089.27	4109883.86	3.37E-05	6.14E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.66E-06	6.42E-07	2.89E-06	4.77E-06	1.58E-07
1127	745094.01	4109907.8	3.30E-05	6.00E-05	3.30E-06	5.11E-06	9.84E-06	4.95E-07	4.97E-06	8.47E-06	6.28E-07	2.82E-06	4.67E-06	1.55E-07
1128	745098.75	4109931.74	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
1129	745103.48	4109955.68	3.19E-05	5.82E-05	3.19E-06	4.95E-06	9.54E-06	4.79E-07	4.81E-06	8.21E-06	6.08E-07	2.74E-06	4.53E-06	1.50E-07
1130	745108.22	4109979.62	3.15E-05	5.73E-05	3.15E-06	4.88E-06	9.40E-06	4.72E-07	4.74E-06	8.09E-06	5.99E-07	2.70E-06	4.46E-06	1.48E-07
1131	745112.96	4110003.56	3.12E-05	5.68E-05	3.12E-06	4.84E-06	9.32E-06	4.68E-07	4.70E-06	8.02E-06	5.94E-07	2.67E-06	4.42E-06	1.47E-07
1132	745117.7	4110027.5	3.08E-05	5.61E-05	3.08E-06	4.77E-06	9.19E-06	4.62E-07	4.64E-06	7.91E-06	5.86E-07	2.64E-06	4.36E-06	1.45E-07
1133	745122.44	4110051.44	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
1134	745127.17	4110075.38	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
1135	745131.91	4110099.32	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.16E-06	1.38E-07
1136	745136.65	4110123.26	2.90E-05	5.29E-05	2.90E-06	4.50E-06	8.67E-06	4.36E-07	4.38E-06	7.46E-06	5.53E-07	2.49E-06	4.11E-06	1.36E-07
1137	745141.39	4110147.2	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
1138	745146.13	4110171.14	2.84E-05	5.18E-05	2.84E-06	4.41E-06	8.49E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
1139	745150.86	4110195.08	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.25E-06	5.37E-07	2.42E-06	4.00E-06	1.32E-07
1140	745155.6	4110219.02	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.36E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.97E-06	1.31E-07
1141	745160.34	4110242.96	2.78E-05	5.06E-05	2.78E-06	4.31E-06	8.30E-06	4.17E-07	4.19E-06	7.14E-06	5.29E-07	2.38E-06	3.94E-06	1.31E-07
1142	745165.08	4110266.9	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.15E-07	4.16E-06	7.10E-06	5.26E-07	2.37E-06	3.92E-06	1.30E-07
1143	745169.82	4110290.84	2.75E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.06E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
1144	745174.55	4110314.78	2.73E-05	4.98E-05	2.73E-06	4.23E-06	8.16E-06	4.10E-07	4.12E-06	7.02E-06	5.20E-07	2.34E-06	3.87E-06	1.28E-07
1145	745179.29	4110338.72	2.72E-05	4.95E-05	2.72E-06	4.21E-06	8.11E-06	4.07E-07	4.09E-06	6.98E-06	5.17E-07	2.33E-06	3.85E-06	1.28E-07
1146	745184.03	4110362.66	2.70E-05	4.92E-05	2.70E-06	4.19E-06	8.07E-06	4.05E-07	4.07E-06	6.94E-06	5.15E-07	2.31E-06	3.83E-06	1.27E-07
1147	745188.77	4110386.6	2.69E-05	4.89E-05	2.69E-06	4.16E-06	8.02E-06	4.03E-07	4.05E-06	6.90E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
1148	745193.51	4110410.53	2.67E-05	4.86E-05	2.67E-06	4.14E-06	7.97E-06	4.01E-07	4.03E-06	6.86E-06	5.09E-07	2.29E-06	3.78E-06	1.25E-07

1149	745198.24	4110434.47	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1150	745202.98	4110458.41	2.64E-05	4.81E-05	2.64E-06	4.09E-06	7.88E-06	3.96E-07	3.98E-06	6.78E-06	5.03E-07	2.26E-06	3.74E-06	1.24E-07
1151	745207.72	4110482.35	2.62E-05	4.78E-05	2.62E-06	4.07E-06	7.84E-06	3.94E-07	3.95E-06	6.74E-06	5.00E-07	2.25E-06	3.72E-06	1.23E-07
1152	745212.46	4110506.29	2.61E-05	4.75E-05	2.61E-06	4.04E-06	7.79E-06	3.91E-07	3.93E-06	6.70E-06	4.97E-07	2.23E-06	3.70E-06	1.23E-07
1153	745217.2	4110530.23	2.59E-05	4.72E-05	2.59E-06	4.02E-06	7.75E-06	3.89E-07	3.91E-06	6.66E-06	4.94E-07	2.22E-06	3.68E-06	1.22E-07
1154	745221.93	4110554.17	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.70E-06	3.87E-07	3.89E-06	6.62E-06	4.91E-07	2.21E-06	3.65E-06	1.21E-07
1155	745226.67	4110578.11	2.56E-05	4.67E-05	2.57E-06	3.98E-06	7.66E-06	3.85E-07	3.87E-06	6.59E-06	4.89E-07	2.20E-06	3.63E-06	1.20E-07
1156	745217.87	4110622.36	2.56E-05	4.66E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
1157	745204.33	4110642.66	2.57E-05	4.68E-05	2.57E-06	3.98E-06	7.67E-06	3.85E-07	3.87E-06	6.60E-06	4.89E-07	2.20E-06	3.64E-06	1.21E-07
1158	745190.79	4110662.96	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.70E-06	3.87E-07	3.89E-06	6.62E-06	4.91E-07	2.21E-06	3.65E-06	1.21E-07
1159	745177.25	4110683.27	2.59E-05	4.71E-05	2.59E-06	4.01E-06	7.73E-06	3.88E-07	3.90E-06	6.65E-06	4.93E-07	2.22E-06	3.67E-06	1.22E-07
1160	745163.72	4110703.57	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.92E-06	6.68E-06	4.95E-07	2.23E-06	3.68E-06	1.22E-07
1161	745150.18	4110723.88	2.61E-05	4.76E-05	2.61E-06	4.05E-06	7.81E-06	3.92E-07	3.94E-06	6.72E-06	4.98E-07	2.24E-06	3.70E-06	1.23E-07
1162	745136.64	4110744.18	2.63E-05	4.79E-05	2.63E-06	4.07E-06	7.85E-06	3.94E-07	3.96E-06	6.75E-06	5.01E-07	2.25E-06	3.72E-06	1.23E-07
1163	745123.1	4110764.48	2.64E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
1164	745109.56	4110784.79	2.66E-05	4.86E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1165	745096.02	4110805.09	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.81E-06	1.26E-07
1166	745082.48	4110825.4	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.12E-06	4.08E-07	4.10E-06	6.99E-06	5.18E-07	2.33E-06	3.86E-06	1.28E-07
1167	745068.94	4110845.7	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.13E-07	4.15E-06	7.07E-06	5.24E-07	2.36E-06	3.90E-06	1.29E-07
1168	745055.4	4110866	2.79E-05	5.08E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
1169	745041.86	4110886.31	2.82E-05	5.14E-05	2.82E-06	4.38E-06	8.43E-06	4.24E-07	4.26E-06	7.26E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
1170	745028.33	4110906.61	2.86E-05	5.21E-05	2.86E-06	4.44E-06	8.55E-06	4.29E-07	4.31E-06	7.35E-06	5.45E-07	2.45E-06	4.06E-06	1.34E-07
1171	745014.79	4110926.91	2.90E-05	5.28E-05	2.90E-06	4.49E-06	8.66E-06	4.35E-07	4.37E-06	7.45E-06	5.52E-07	2.48E-06	4.11E-06	1.36E-07
1172	745001.25	4110947.22	2.93E-05	5.35E-05	2.94E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.54E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
1173	744987.71	4110967.52	2.97E-05	5.40E-05	2.97E-06	4.60E-06	8.86E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
1174	744974.17	4110987.83	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
1175	744960.63	4111008.13	3.01E-05	5.49E-05	3.02E-06	4.67E-06	9.00E-06	4.52E-07	4.54E-06	7.75E-06	5.74E-07	2.58E-06	4.27E-06	1.42E-07
1176	744947.09	4111028.43	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.05E-06	4.54E-07	4.57E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
1177	744933.55	4111048.74	3.03E-05	5.53E-05	3.03E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
1178	744920.01	4111069.04	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.05E-06	4.54E-07	4.57E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
1179	744906.48	4111089.35	3.01E-05	5.49E-05	3.02E-06	4.67E-06	9.00E-06	4.52E-07	4.54E-06	7.75E-06	5.74E-07	2.58E-06	4.27E-06	1.42E-07
1180	744892.94	4111109.65	2.99E-05	5.45E-05	2.99E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.69E-06	5.70E-07	2.56E-06	4.24E-06	1.41E-07
1181	744879.4	4111129.95	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
1182	744865.86	4111150.26	2.92E-05	5.32E-05	2.92E-06	4.53E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
1183	744852.32	4111170.56	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
1184	744838.78	4111190.87	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.25E-06	5.37E-07	2.42E-06	4.00E-06	1.33E-07
1185	744825.24	4111211.17	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.15E-07	4.17E-06	7.10E-06	5.26E-07	2.37E-06	3.92E-06	1.30E-07
1186	744811.7	4111231.47	2.70E-05	4.93E-05	2.71E-06	4.19E-06	8.08E-06	4.06E-07	4.08E-06	6.95E-06	5.15E-07	2.32E-06	3.83E-06	1.27E-07
1187	744798.16	4111251.78	2.64E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
1188	744784.63	4111272.08	2.61E-05	4.76E-05	2.61E-06	4.05E-06	7.80E-06	3.92E-07	3.94E-06	6.71E-06	4.98E-07	2.24E-06	3.70E-06	1.23E-07
1189	744771.09	4111292.39	2.56E-05	4.67E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
1190	744757.55	4111312.69	2.51E-05	4.57E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.45E-06	4.78E-07	2.15E-06	3.56E-06	1.18E-07
1191	744744.01	4111332.99	2.46E-05	4.49E-05	2.46E-06	3.82E-06	7.36E-06	3.70E-07	3.71E-06	6.33E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
1192	744730.47	4111353.3	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.23E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
1193	744716.93	4111373.6	2.38E-05	4.33E-05	2.38E-06	3.69E-06	7.10E-06	3.57E-07	3.59E-06	6.11E-06	4.53E-07	2.04E-06	3.37E-06	1.12E-07
1194	744703.39	4111393.91	2.34E-05	4.27E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
1195	744689.85	4111414.21	2.31E-05	4.21E-05	2.31E-06	3.58E-06	6.90E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
1196	744676.31	4111434.51	2.28E-05	4.16E-05	2.28E-06	3.54E-06	6.81E-06	3.42E-07	3.44E-06	5.86E-06	4.35E-07	1.95E-06	3.23E-06	1.07E-07
1197	744662.77	4111454.82	2.26E-05	4.12E-05	2.26E-06	3.50E-06	6.75E-06	3.39E-07	3.41E-06	5.81E-06	4.30E-07	1.94E-06	3.20E-06	1.06E-07
1198	744649.24	4111475.12	2.24E-05	4.08E-05	2.24E-06	3.47E-06	6.69E-06	3.36E-07	3.38E-06	5.76E-06	4.27E-07	1.92E-06	3.18E-06	1.05E-07
1199	744635.7	4111495.43	2.23E-05	4.05E-05	2.23E-06	3.45E-06	6.65E-06	3.34E-07	3.36E-06	5.72E-06	4.24E-07	1.91E-06	3.15E-06	1.05E-07
1200	744622.16	4111515.73	2.22E-05	4.04E-05	2.22E-06	3.43E-06	6.62E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
1201	744608.62	4111536.03	2.21E-05	4.02E-05	2.21E-06	3.42E-06	6.59E-06	3.31E-07	3.33E-06	5.67E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
1202	744595.08	4111556.34	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.58E-06	3.30E-07	3.32E-06	5.66E-06	4.20E-07	1.89E-06	3.12E-06	1.03E-07
1203	744581.54	4111576.64	2.18E-05	3.98E-05	2.18E-06	3.38E-06	6.52E-06	3.27E-07	3.29E-06	5.61E-06	4.16E-07	1.87E-06	3.09E-06	1.03E-07
1204	744568	4111596.95	2.20E-05	4.00E-05	2.20E-06	3.41E-06	6.56E-06	3.30E-07	3.31E-06	5.65E-06	4.19E-07	1.88E-06	3.12E-06	1.03E-07
1205	744554.46	4111617.25	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1206	744540.92	4111637.55	2.19E-05	4.00E-05	2.20E-06	3.40E-06	6.55E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1207	744527.39	4111657.86	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1208	744513.85	4111678.16	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1209	744500.31	4111698.47	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1210	744486.77	4111718.77	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.29E-06	5.62E-06	4.16E-07	1.87E-06	3.10E-06	1.03E-07
1211	744473.23	4111739.07	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.54E-06	3.29E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.11E-06	1.03E-07
1212	744459.69	4111759.38	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
1213	744446.15	4111779.68	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
1214	744432.61	4111799.98	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
1215	744419.07	4111820.29	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
1216	744405.53	4111840.59	2.20E-05	4.00E-05	2.20E-06	3.41E-06	6.56E-06	3.30E-07	3.31E-06	5.65E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1217	744392	4111860.9	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.60E-06	3.32E-07	3.33E-06	5.68E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
1218	744378.46	4111881.2	2.23E-05	4.06E-05	2.23E-06	3.46E-06	6.66E-06	3.35E-07	3.36E-06	5.73E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
1219	744364.92	4111901.5	2.26E-05	4.11E-05	2.26E-06	3.50E-06	6.74E-06	3.39E-07	3.40E-06	5.80E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
1220	744351.38	4111921.81	2.29E-05	4.17E-05	2.29E-06	3.55E-06	6.83E-06	3.43E-07	3.45E-06	5.88E-06	4.36E-07	1.96E-06	3.24E-06	1.07E-07

1221	744337.84	4111942.11	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.94E-06	3.49E-07	3.50E-06	5.97E-06	4.43E-07	1.99E-06	3.29E-06	1.09E-07
1222	744324.3	4111962.42	2.36E-05	4.31E-05	2.37E-06	3.67E-06	7.06E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.35E-06	1.11E-07
1223	744310.76	4111982.72	2.41E-05	4.39E-05	2.41E-06	3.74E-06	7.20E-06	3.62E-07	3.63E-06	6.20E-06	4.59E-07	2.06E-06	3.42E-06	1.13E-07
1224	744297.22	4112003.02	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.34E-06	3.69E-07	3.70E-06	6.32E-06	4.68E-07	2.11E-06	3.48E-06	1.15E-07
1225	744283.68	4112023.33	2.51E-05	4.57E-05	2.51E-06	3.89E-06	7.49E-06	3.76E-07	3.78E-06	6.44E-06	4.77E-07	2.15E-06	3.55E-06	1.18E-07
1226	744270.15	4112043.63	2.55E-05	4.65E-05	2.55E-06	3.96E-06	7.63E-06	3.83E-07	3.85E-06	6.56E-06	4.86E-07	2.19E-06	3.62E-06	1.20E-07
1227	744256.61	4112063.94	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.91E-06	6.67E-06	4.95E-07	2.22E-06	3.68E-06	1.22E-07
1228	744243.07	4112084.24	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
1229	744229.53	4112104.54	2.67E-05	4.86E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1230	744215.99	4112124.85	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.03E-06	4.03E-07	4.05E-06	6.91E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
1231	744202.45	4112145.15	2.70E-05	4.92E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.94E-06	5.14E-07	2.31E-06	3.83E-06	1.27E-07
1232	744188.91	4112165.46	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
1233	744175.37	4112185.76	2.68E-05	4.89E-05	2.68E-06	4.16E-06	8.01E-06	4.03E-07	4.05E-06	6.90E-06	5.11E-07	2.30E-06	3.80E-06	1.26E-07
1234	744161.83	4112206.06	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1235	744148.29	4112226.37	2.61E-05	4.76E-05	2.62E-06	4.05E-06	7.81E-06	3.92E-07	3.94E-06	6.72E-06	4.98E-07	2.24E-06	3.71E-06	1.23E-07
1236	744134.76	4112246.67	2.56E-05	4.67E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
1237	744121.22	4112266.98	2.49E-05	4.55E-05	2.50E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07
1238	744107.68	4112287.28	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.23E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
1239	744094.14	4112307.58	2.33E-05	4.25E-05	2.34E-06	3.62E-06	6.97E-06	3.50E-07	3.52E-06	6.00E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
1240	744080.6	4112327.89	2.24E-05	4.09E-05	2.24E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.27E-07	1.92E-06	3.18E-06	1.05E-07
1241	744067.06	4112348.19	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.22E-06	5.50E-06	4.07E-07	1.83E-06	3.03E-06	1.00E-07
1242	744053.52	4112368.5	2.03E-05	3.70E-05	2.03E-06	3.15E-06	6.07E-06	3.05E-07	3.06E-06	5.22E-06	3.87E-07	1.74E-06	2.88E-06	9.55E-08
1243	744039.98	4112388.8	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.96E-06	3.67E-07	1.65E-06	2.73E-06	9.06E-08
1244	744026.44	4112409.1	1.83E-05	3.33E-05	1.83E-06	2.83E-06	5.45E-06	2.74E-07	2.75E-06	4.69E-06	3.48E-07	1.56E-06	2.59E-06	8.58E-08
1245	744012.91	4112429.41	1.73E-05	3.15E-05	1.73E-06	2.68E-06	5.16E-06	2.59E-07	2.61E-06	4.44E-06	3.29E-07	1.48E-06	2.45E-06	8.12E-08
1246	743999.37	4112449.71	1.64E-05	2.99E-05	1.64E-06	2.54E-06	4.89E-06	2.46E-07	2.47E-06	4.21E-06	3.12E-07	1.40E-06	2.32E-06	7.70E-08
1247	743985.83	4112470.02	1.56E-05	2.84E-05	1.56E-06	2.42E-06	4.66E-06	2.34E-07	2.35E-06	4.01E-06	2.97E-07	1.34E-06	2.21E-06	7.33E-08
1248	743972.29	4112490.32	1.49E-05	2.72E-05	1.49E-06	2.31E-06	4.45E-06	2.24E-07	2.25E-06	3.83E-06	2.84E-07	1.28E-06	2.11E-06	7.01E-08
1249	743958.75	4112510.62	1.43E-05	2.61E-05	1.43E-06	2.22E-06	4.28E-06	2.15E-07	2.16E-06	3.68E-06	2.73E-07	1.23E-06	2.03E-06	6.73E-08
1250	743945.21	4112530.93	1.38E-05	2.52E-05	1.39E-06	2.15E-06	4.14E-06	2.08E-07	2.09E-06	3.56E-06	2.64E-07	1.19E-06	1.96E-06	6.51E-08
1251	743931.67	4112551.23	1.35E-05	2.46E-05	1.35E-06	2.09E-06	4.03E-06	2.02E-07	2.03E-06	3.46E-06	2.57E-07	1.15E-06	1.91E-06	6.33E-08
1252	744771.82	4108279.91	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.94E-06	1.69E-05	1.26E-06	5.65E-06	9.34E-06	3.10E-07
1253	744758.27	4108259.55	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.93E-06	1.69E-05	1.26E-06	5.64E-06	9.34E-06	3.10E-07
1254	744744.72	4108239.19	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
1255	744731.18	4108218.83	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
1256	744717.63	4108198.47	6.57E-05	1.20E-04	6.57E-06	1.02E-05	1.96E-05	9.86E-07	9.90E-06	1.69E-05	1.25E-06	5.63E-06	9.31E-06	3.09E-07
1257	744704.08	4108178.1	6.55E-05	1.19E-04	6.55E-06	1.02E-05	1.96E-05	9.83E-07	9.88E-06	1.68E-05	1.25E-06	5.61E-06	9.29E-06	3.08E-07
1258	744690.53	4108157.74	6.53E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.80E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.26E-06	3.07E-07
1259	744676.98	4108137.38	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.21E-06	3.05E-07
1260	744663.43	4108117.02	6.46E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.74E-06	1.66E-05	1.23E-06	5.53E-06	9.16E-06	3.03E-07
1261	742069.08	4109813.33	4.70E-03	8.57E-03	4.71E-04	7.29E-04	1.41E-03	7.06E-05	7.09E-04	1.21E-03	8.96E-05	4.03E-04	6.67E-04	2.21E-05
1262	742048.44	4109826.58	5.12E-03	9.33E-03	5.12E-04	7.94E-04	1.53E-03	7.68E-05	7.72E-04	1.32E-03	9.75E-05	4.39E-04	7.26E-04	2.41E-05
1263	742027.8	4109839.84	5.51E-03	1.00E-02	5.51E-04	8.54E-04	1.65E-03	8.27E-05	8.31E-04	1.42E-03	1.05E-04	4.72E-04	7.81E-04	2.59E-05
1264	742007.16	4109853.1	5.93E-03	1.08E-02	5.93E-04	9.19E-04	1.77E-03	8.90E-05	8.94E-04	1.52E-03	1.13E-04	5.08E-04	8.41E-04	2.79E-05
1265	741986.53	4109866.35	6.29E-03	1.15E-02	6.30E-04	9.76E-04	1.88E-03	9.45E-05	9.49E-04	1.62E-03	1.20E-04	5.39E-04	8.92E-04	2.96E-05
1266	741965.89	4109879.61	6.57E-03	1.20E-02	6.58E-04	1.02E-03	1.96E-03	9.87E-05	9.91E-04	1.69E-03	1.25E-04	5.63E-04	9.32E-04	3.09E-05
1267	741945.25	4109892.87	6.79E-03	1.24E-02	6.80E-04	1.05E-03	2.03E-03	1.02E-04	1.02E-03	1.75E-03	1.29E-04	5.82E-04	9.63E-04	3.19E-05
1268	742074.2	4109788.86	3.30E-03	6.02E-03	3.30E-04	5.12E-04	9.87E-04	4.96E-05	4.98E-04	8.49E-04	6.29E-05	2.83E-04	4.68E-04	1.55E-05
1269	742034.93	4109805.55	3.33E-03	6.07E-03	3.33E-04	5.16E-04	9.95E-04	5.00E-05	5.02E-04	8.56E-04	6.34E-05	2.85E-04	4.72E-04	1.56E-05
1270	742014.29	4109818.8	3.53E-03	6.42E-03	3.53E-04	5.47E-04	1.05E-03	5.29E-05	5.32E-04	9.06E-04	6.72E-05	3.02E-04	5.00E-04	1.66E-05
1271	741993.65	4109832.06	3.73E-03	6.80E-03	3.73E-04	5.79E-04	1.12E-03	5.60E-05	5.63E-04	9.60E-04	7.11E-05	3.20E-04	5.29E-04	1.75E-05
1272	741973.01	4109845.32	3.96E-03	7.22E-03	3.96E-04	6.14E-04	1.18E-03	5.95E-05	5.97E-04	1.02E-03	7.55E-05	3.39E-04	5.62E-04	1.86E-05
1273	741952.38	4109858.57	4.19E-03	7.63E-03	4.19E-04	6.49E-04	1.25E-03	6.28E-05	6.31E-04	1.08E-03	7.98E-05	3.59E-04	5.94E-04	1.97E-05
1274	741931.74	4109871.83	4.37E-03	7.96E-03	4.37E-04	6.78E-04	1.31E-03	6.56E-05	6.59E-04	1.12E-03	8.33E-05	3.74E-04	6.20E-04	2.05E-05
1275	742060.69	4109767.82	2.40E-03	4.36E-03	2.40E-04	3.71E-04	7.16E-04	3.60E-05	3.61E-04	6.16E-04	4.56E-05	2.05E-04	3.40E-04	1.13E-05
1276	742113.65	4109771.57	3.13E-03	5.70E-03	3.13E-04	4.85E-04	9.35E-04	4.70E-05	4.72E-04	8.05E-04	5.96E-05	2.68E-04	4.44E-04	1.47E-05
1277	742021.42	4109784.51	2.40E-03	4.38E-03	2.40E-04	3.73E-04	7.18E-04	3.61E-05	3.62E-04	6.18E-04	4.58E-05	2.06E-04	3.41E-04	1.13E-05
1278	742000.78	4109797.77	2.52E-03	4.60E-03	2.52E-04	3.91E-04	7.54E-04	3.79E-05	3.80E-04	6.48E-04	4.81E-05	2.16E-04	3.58E-04	1.19E-05
1279	741980.14	4109811.03	2.65E-03	4.82E-03	2.65E-04	4.10E-04	7.90E-04	3.97E-05	3.99E-04	6.80E-04	5.04E-05	2.27E-04	3.75E-04	1.24E-05
1280	741959.5	4109824.28	2.78E-03	5.07E-03	2.79E-04	4.32E-04	8.32E-04	4.18E-05	4.20E-04	7.16E-04	5.30E-05	2.39E-04	3.95E-04	1.31E-05
1281	741938.86	4109837.54	2.93E-03	5.35E-03	2.94E-04	4.55E-04	8.77E-04	4.40E-05	4.43E-04	7.54E-04	5.59E-05	2.51E-04	4.16E-04	1.38E-05
1282	741918.23	4109850.8	3.07E-03	5.60E-03	3.08E-04	4.77E-04	9.18E-04	4.61E-05	4.64E-04	7.90E-04	5.86E-05	2.63E-04	4.36E-04	1.44E-05
1283	742047.18	4109746.79	1.84E-03	3.35E-03	1.84E-04	2.85E-04	5.50E-04	2.76E-05	2.78E-04	4.73E-04	3.51E-05	1.58E-04	2.61E-04	8.65E-06
1284	742084.45	4109739.92	1.98E-03	3.60E-03	1.98E-04	3.07E-04	5.91E-04	2.97E-05	2.98E-04	5.08E-04	3.77E-05	1.69E-04	2.80E-04	9.29E-06
1285	742118.77	4109747.1	2.39E-03	4.36E-03	2.40E-04	3.71E-04	7.15E-04	3.59E-05	3.61E-04	6.15E-04	4.56E-05	2.05E-04	3.39E-04	1.13E-05
1286	742007.91	4109763.48	1.84E-03	3.36E-03	1.84E-04	2.86E-04	5.50E-04	2.76E-05	2.78E-04	4.74E-04	3.51E-05	1.58E-04	2.61E-04	8.66E-06
1287	741987.27	4109776.74	1.92E-03	3.51E-03	1.93E-04	2.98E-04	5.75E-04	2.89E-05	2.90E-04	4.95E-04	3.67E-05	1.65E-04	2.73E-04	9.04E-06
1288	741966.63	4109789.99	2.01E-03	3.67E-03	2.01E-04	3.12E-04	6.01E-04	3.02E-05	3.03E-04	5.17E-04	3.83E-05	1.72E-04	2.85E-04	9.45E-06
1289	741945.99	4109803.25	2.10E-03	3.83E-03	2.10E-04	3.26E-04	6.28E-04	3.15E-05	3.17E-04	5.40E-04	4.00E-05	1.80E-04	2.98E-04	9.87E-06
1290	741925.35	4109816.51	2.20E-03	4.01E-03	2.20E-04	3.41E-04	6.57E-04	3.30E-05	3.32E-04	5.66E-04	4.19E-05	1.89E-04	3.12E-04	1.03E-05
1291	741904.72	4109829.76	2.30E-03	4.19E-03	2.30E-04	3.57E-04	6.87E-04	3.45E-05	3.47E-04	5.91E-04	4.38E-05	1.97E-04	3.26E-04	1.08E-05
1292	742023.88	4109704.03	1.22E-03	2.23E-03	1.22E-04	1.90E-04	3.65E-04	1.83E-05	1.84E-04	3.14E-04	2.33E-05	1.05E-04	1.73E-04	5.74E-06

1293	742046.24	4109699.91	1.27E-03	2.31E-03	1.27E-04	1.96E-04	3.78E-04	1.90E-05	1.91E-04	3.25E-04	2.41E-05	1.08E-04	1.79E-04	5.95E-06
1294	742068.6	4109695.79	1.31E-03	2.38E-03	1.31E-04	2.03E-04	3.91E-04	1.96E-05	1.97E-04	3.36E-04	2.49E-05	1.12E-04	1.85E-04	6.15E-06
1295	742090.96	4109691.66	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.02E-05	2.03E-04	3.46E-04	2.57E-05	1.15E-04	1.91E-04	6.33E-06
1296	742132.15	4109700.29	1.60E-03	2.92E-03	1.60E-04	2.48E-04	4.78E-04	2.40E-05	2.41E-04	4.11E-04	3.05E-05	1.37E-04	2.27E-04	7.52E-06
1297	742150.98	4109713.03	1.88E-03	3.43E-03	1.88E-04	2.92E-04	5.62E-04	2.82E-05	2.84E-04	4.83E-04	3.58E-05	1.61E-04	2.67E-04	8.84E-06
1298	742169.81	4109725.77	2.23E-03	4.06E-03	2.23E-04	3.46E-04	6.66E-04	3.35E-05	3.36E-04	5.73E-04	4.25E-05	1.91E-04	3.16E-04	1.05E-05
1299	742001.52	4109708.15	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.53E-04	1.77E-05	1.78E-04	3.03E-04	2.25E-05	1.01E-04	1.67E-04	5.55E-06
1300	741980.88	4109721.41	1.22E-03	2.22E-03	1.22E-04	1.89E-04	3.64E-04	1.83E-05	1.84E-04	3.13E-04	2.32E-05	1.04E-04	1.73E-04	5.72E-06
1301	741960.25	4109734.67	1.26E-03	2.30E-03	1.26E-04	1.96E-04	3.77E-04	1.89E-05	1.90E-04	3.24E-04	2.40E-05	1.08E-04	1.79E-04	5.93E-06
1302	741939.61	4109747.92	1.31E-03	2.38E-03	1.31E-04	2.03E-04	3.91E-04	1.96E-05	1.97E-04	3.36E-04	2.49E-05	1.12E-04	1.85E-04	6.14E-06
1303	741918.97	4109761.18	1.35E-03	2.46E-03	1.35E-04	2.10E-04	4.04E-04	2.03E-05	2.04E-04	3.47E-04	2.58E-05	1.16E-04	1.92E-04	6.35E-06
1304	741898.33	4109774.44	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.18E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.57E-06
1305	741877.69	4109787.69	1.45E-03	2.64E-03	1.45E-04	2.25E-04	4.33E-04	2.17E-05	2.18E-04	3.72E-04	2.76E-05	1.24E-04	2.05E-04	6.80E-06
1306	741995.8	4109662.16	8.86E-04	1.61E-03	8.86E-05	1.37E-04	2.65E-04	1.33E-05	1.34E-04	2.28E-04	1.69E-05	7.59E-05	1.26E-04	4.16E-06
1307	742038.39	4109654.31	9.32E-04	1.70E-03	9.33E-05	1.45E-04	2.79E-04	1.40E-05	1.41E-04	2.40E-04	1.78E-05	7.99E-05	1.32E-04	4.38E-06
1308	742080.98	4109646.45	9.74E-04	1.78E-03	9.75E-05	1.51E-04	2.91E-04	1.46E-05	1.47E-04	2.50E-04	1.86E-05	8.35E-05	1.38E-04	4.58E-06
1309	742141.5	4109650.74	1.13E-03	2.06E-03	1.13E-04	1.75E-04	3.38E-04	1.70E-05	1.70E-04	2.91E-04	2.15E-05	9.69E-05	1.60E-04	5.31E-06
1310	742177.37	4109675.01	1.46E-03	2.65E-03	1.46E-04	2.26E-04	4.35E-04	2.19E-05	2.20E-04	3.74E-04	2.78E-05	1.25E-04	2.06E-04	6.84E-06
1311	742213.23	4109699.29	1.93E-03	3.51E-03	1.93E-04	2.99E-04	5.76E-04	2.89E-05	2.91E-04	4.95E-04	3.67E-05	1.65E-04	2.73E-04	9.06E-06
1312	741953.86	4109679.34	8.79E-04	1.60E-03	8.80E-05	1.36E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.53E-05	1.25E-04	4.13E-06
1313	741933.22	4109692.6	9.02E-04	1.64E-03	9.03E-05	1.40E-04	2.70E-04	1.35E-05	1.36E-04	2.32E-04	1.72E-05	7.73E-05	1.28E-04	4.24E-06
1314	741912.59	4109705.85	9.29E-04	1.69E-03	9.30E-05	1.44E-04	2.78E-04	1.39E-05	1.40E-04	2.39E-04	1.77E-05	7.96E-05	1.32E-04	4.37E-06
1315	741891.95	4109719.11	9.56E-04	1.74E-03	9.57E-05	1.48E-04	2.86E-04	1.44E-05	1.44E-04	2.46E-04	1.82E-05	8.19E-05	1.36E-04	4.49E-06
1316	741871.31	4109732.37	9.83E-04	1.79E-03	9.84E-05	1.52E-04	2.94E-04	1.48E-05	1.48E-04	2.53E-04	1.87E-05	8.42E-05	1.39E-04	4.62E-06
1317	741850.67	4109745.62	1.01E-03	1.84E-03	1.01E-04	1.57E-04	3.02E-04	1.52E-05	1.52E-04	2.60E-04	1.93E-05	8.66E-05	1.43E-04	4.75E-06
1318	741970.77	4109619.72	6.78E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.81E-05	9.62E-05	3.19E-06
1319	741994.06	4109615.43	6.97E-04	1.27E-03	6.98E-05	1.08E-04	2.08E-04	1.05E-05	1.05E-04	1.79E-04	1.33E-05	5.98E-05	9.89E-05	3.28E-06
1320	742017.35	4109611.13	7.14E-04	1.30E-03	7.15E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.84E-04	1.36E-05	6.12E-05	1.01E-04	3.36E-06
1321	742040.64	4109606.84	7.29E-04	1.33E-03	7.29E-05	1.13E-04	2.18E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.24E-05	1.03E-04	3.42E-06
1322	742063.94	4109602.55	7.42E-04	1.35E-03	7.43E-05	1.15E-04	2.22E-04	1.11E-05	1.12E-04	1.91E-04	1.41E-05	6.36E-05	1.05E-04	3.49E-06
1323	742087.23	4109598.25	7.56E-04	1.38E-03	7.56E-05	1.17E-04	2.26E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.48E-05	1.07E-04	3.55E-06
1324	742110.52	4109593.96	7.69E-04	1.40E-03	7.70E-05	1.19E-04	2.30E-04	1.15E-05	1.16E-04	1.98E-04	1.47E-05	6.59E-05	1.09E-04	3.61E-06
1325	742153.43	4109602.94	8.64E-04	1.58E-03	8.65E-05	1.34E-04	2.58E-04	1.30E-05	1.30E-04	2.22E-04	1.65E-05	7.41E-05	1.23E-04	4.06E-06
1326	742173.04	4109616.21	9.63E-04	1.76E-03	9.64E-05	1.49E-04	2.88E-04	1.45E-05	1.45E-04	2.48E-04	1.84E-05	8.26E-05	1.37E-04	4.53E-06
1327	742192.65	4109629.49	1.09E-03	1.98E-03	1.09E-04	1.68E-04	3.24E-04	1.63E-05	1.64E-04	2.79E-04	2.07E-05	9.30E-05	1.54E-04	5.10E-06
1328	742212.27	4109642.76	1.24E-03	2.25E-03	1.24E-04	1.92E-04	3.69E-04	1.86E-05	1.87E-04	3.18E-04	2.36E-05	1.06E-04	1.75E-04	5.81E-06
1329	742231.88	4109656.04	1.42E-03	2.58E-03	1.42E-04	2.20E-04	4.24E-04	2.13E-05	2.14E-04	3.64E-04	2.70E-05	1.21E-04	2.01E-04	6.66E-06
1330	742251.49	4109669.31	1.62E-03	2.95E-03	1.62E-04	2.51E-04	4.84E-04	2.43E-05	2.44E-04	4.16E-04	3.09E-05	1.39E-04	2.30E-04	7.61E-06
1331	742271.11	4109682.59	1.83E-03	3.34E-03	1.83E-04	2.84E-04	5.48E-04	2.75E-05	2.76E-04	4.71E-04	3.49E-05	1.57E-04	2.60E-04	8.61E-06
1332	741947.48	4109624.02	6.58E-04	1.20E-03	6.58E-05	1.02E-04	1.97E-04	9.88E-06	9.92E-05	1.69E-04	1.25E-05	5.64E-05	9.33E-05	3.09E-06
1333	741926.84	4109637.27	6.69E-04	1.22E-03	6.70E-05	1.04E-04	2.00E-04	1.00E-05	1.01E-04	1.72E-04	1.28E-05	5.74E-05	9.49E-05	3.15E-06
1334	741906.2	4109650.53	6.84E-04	1.25E-03	6.84E-05	1.06E-04	2.04E-04	1.03E-05	1.03E-04	1.76E-04	1.30E-05	5.86E-05	9.70E-05	3.21E-06
1335	741885.56	4109663.79	7.02E-04	1.28E-03	7.02E-05	1.09E-04	2.10E-04	1.05E-05	1.06E-04	1.80E-04	1.34E-05	6.01E-05	9.95E-05	3.30E-06
1336	741864.93	4109677.04	7.20E-04	1.31E-03	7.21E-05	1.12E-04	2.15E-04	1.08E-05	1.09E-04	1.85E-04	1.37E-05	6.17E-05	1.02E-04	3.39E-06
1337	741844.29	4109690.3	7.38E-04	1.35E-03	7.39E-05	1.14E-04	2.21E-04	1.11E-05	1.11E-04	1.90E-04	1.41E-05	6.33E-05	1.05E-04	3.47E-06
1338	741823.65	4109703.56	7.55E-04	1.38E-03	7.55E-05	1.17E-04	2.25E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.47E-05	1.07E-04	3.55E-06
1339	741942.82	4109577.82	5.36E-04	9.77E-04	5.36E-05	8.31E-05	1.60E-04	8.04E-06	8.08E-05	1.38E-04	1.02E-05	4.59E-05	7.60E-05	2.52E-06
1340	741965.18	4109573.7	5.49E-04	1.00E-03	5.49E-05	8.51E-05	1.64E-04	8.24E-06	8.28E-05	1.41E-04	1.05E-05	4.70E-05	7.78E-05	2.58E-06
1341	741987.54	4109569.58	5.62E-04	1.02E-03	5.62E-05	8.71E-05	1.68E-04	8.43E-06	8.47E-05	1.44E-04	1.07E-05	4.81E-05	7.96E-05	2.64E-06
1342	742009.9	4109565.46	5.73E-04	1.04E-03	5.73E-05	8.89E-05	1.71E-04	8.60E-06	8.64E-05	1.47E-04	1.09E-05	4.91E-05	8.13E-05	2.69E-06
1343	742032.26	4109561.34	5.83E-04	1.06E-03	5.84E-05	9.05E-05	1.74E-04	8.76E-06	8.80E-05	1.50E-04	1.11E-05	5.00E-05	8.27E-05	2.74E-06
1344	742054.62	4109557.21	5.93E-04	1.08E-03	5.93E-05	9.19E-05	1.77E-04	8.90E-06	8.94E-05	1.52E-04	1.13E-05	5.08E-05	8.41E-05	2.79E-06
1345	742076.98	4109553.09	6.02E-04	1.10E-03	6.02E-05	9.34E-05	1.80E-04	9.04E-06	9.08E-05	1.55E-04	1.15E-05	5.16E-05	8.54E-05	2.83E-06
1346	742099.34	4109548.97	6.11E-04	1.11E-03	6.12E-05	9.48E-05	1.83E-04	9.18E-06	9.22E-05	1.57E-04	1.16E-05	5.24E-05	8.67E-05	2.87E-06
1347	742121.7	4109544.85	6.20E-04	1.13E-03	6.20E-05	9.62E-05	1.85E-04	9.31E-06	9.35E-05	1.59E-04	1.18E-05	5.31E-05	8.79E-05	2.91E-06
1348	742162.88	4109553.47	6.81E-04	1.24E-03	6.81E-05	1.06E-04	2.03E-04	1.02E-05	1.03E-04	1.75E-04	1.30E-05	5.83E-05	9.65E-05	3.20E-06
1349	742181.71	4109566.21	7.41E-04	1.35E-03	7.42E-05	1.15E-04	2.21E-04	1.11E-05	1.12E-04	1.91E-04	1.41E-05	6.35E-05	1.05E-04	3.48E-06
1350	742200.54	4109578.96	8.13E-04	1.48E-03	8.13E-05	1.26E-04	2.43E-04	1.22E-05	1.23E-04	2.09E-04	1.55E-05	6.96E-05	1.15E-04	3.82E-06
1351	742219.37	4109591.7	9.00E-04	1.64E-03	9.01E-05	1.40E-04	2.69E-04	1.35E-05	1.36E-04	2.31E-04	1.72E-05	7.71E-05	1.28E-04	4.23E-06
1352	742238.2	4109604.45	1.01E-03	1.83E-03	1.01E-04	1.56E-04	3.01E-04	1.51E-05	1.52E-04	2.59E-04	1.92E-05	8.63E-05	1.43E-04	4.73E-06
1353	742257.03	4109617.19	1.13E-03	2.06E-03	1.13E-04	1.76E-04	3.38E-04	1.70E-05	1.71E-04	2.91E-04	2.16E-05	9.70E-05	1.60E-04	5.32E-06
1354	742275.86	4109629.93	1.27E-03	2.32E-03	1.27E-04	1.97E-04	3.80E-04	1.91E-05	1.92E-04	3.27E-04	2.42E-05	1.09E-04	1.80E-04	5.98E-06
1355	742294.69	4109642.68	1.42E-03	2.59E-03	1.42E-04	2.20E-04	4.24E-04	2.13E-05	2.14E-04	3.65E-04	2.70E-05	1.22E-04	2.01E-04	6.67E-06
1356	742313.52	4109655.42	1.57E-03	2.86E-03	1.57E-04	2.43E-04	4.68E-04	2.35E-05	2.36E-04	4.03E-04	2.99E-05	1.34E-04	2.22E-04	7.36E-06
1357	741920.46	4109581.95	5.23E-04	9.53E-04	5.23E-05	8.11E-05	1.56E-04	7.85E-06	7.89E-05	1.34E-04	9.97E-06	4.48E-05	7.42E-05	2.46E-06
1358	741899.82	4109595.2	5.31E-04	9.68E-04	5.31E-05	8.24E-05	1.59E-04	7.97E-06	8.01E-05	1.37E-04	1.01E-05	4.55E-05	7.53E-05	2.50E-06
1359	741879.18	4109608.46	5.41E-04	9.86E-04	5.41E-05	8.39E-05	1.62E-04	8.12E-06	8.16E-05	1.39E-04	1.03E-05	4.63E-05	7.67E-05	2.54E-06
1360	741858.54	4109621.72	5.53E-04	1.01E-03	5.53E-05	8.58E-05	1.65E-04	8.30E-06	8.34E-05	1.42E-04	1.05E-05	4.74E-05	7.84E-05	2.60E-06
1361	741837.9	4109634.97	5.67E-04	1.03E-03	5.67E-05	8.79E-05	1.69E-04	8.50E-06	8.54E-05	1.46E-04	1.08E-05	4.86E-05	8.03E-05	2.66E-06
1362	741817.26	4109648.23	5.80E-04	1.06E-03	5.80E-05	8.99E-05	1.73E-04	8.70E-06	8.74E-05	1.49E-04	1.10E-05	4.97E-05	8.22E-05	2.72E-06
1363	741796.63	4109661.49	5.91E-04	1.08E-03	5.91E-05	9.16E-05	1.76E-04	8.87E-06	8.91E-05	1.52E-04	1.13E-05	5.06E-05	8.38E-05	2.78E-06
1364	741889.35	4109493.58	3.65E-04	6.65E-04	3.65E-05	5.66E-05	1.09E-04	5.47E-06	5.50E-05	9.38E-05	6.95E-06	3.13E-05	5.17E-05	1.71E-06

1365	741912.28	4109489.35	3.71E-04	6.76E-04	3.71E-05	5.76E-05	1.11E-04	5.57E-06	5.60E-05	9.54E-05	7.07E-06	3.18E-05	5.26E-05	1.74E-06
1366	741935.21	4109485.12	3.77E-04	6.87E-04	3.77E-05	5.85E-05	1.13E-04	5.66E-06	5.69E-05	9.70E-05	7.19E-06	3.23E-05	5.35E-05	1.77E-06
1367	741958.14	4109480.9	3.83E-04	6.99E-04	3.84E-05	5.95E-05	1.15E-04	5.75E-06	5.78E-05	9.86E-05	7.31E-06	3.29E-05	5.44E-05	1.80E-06
1368	741981.08	4109476.67	3.90E-04	7.11E-04	3.90E-05	6.05E-05	1.17E-04	5.86E-06	5.88E-05	1.00E-04	7.44E-06	3.34E-05	5.53E-05	1.83E-06
1369	742004.01	4109472.44	3.97E-04	7.24E-04	3.98E-05	6.16E-05	1.19E-04	5.97E-06	5.99E-05	1.02E-04	7.57E-06	3.41E-05	5.64E-05	1.87E-06
1370	742026.94	4109468.21	4.05E-04	7.38E-04	4.05E-05	6.28E-05	1.21E-04	6.08E-06	6.11E-05	1.04E-04	7.72E-06	3.47E-05	5.74E-05	1.90E-06
1371	742049.88	4109463.99	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.94E-06
1372	742072.81	4109459.76	4.19E-04	7.63E-04	4.19E-05	6.49E-05	1.25E-04	6.28E-06	6.31E-05	1.08E-04	7.98E-06	3.59E-05	5.94E-05	1.97E-06
1373	742095.74	4109455.53	4.24E-04	7.73E-04	4.25E-05	6.58E-05	1.27E-04	6.37E-06	6.40E-05	1.09E-04	8.08E-06	3.64E-05	6.02E-05	1.99E-06
1374	742118.68	4109451.3	4.29E-04	7.82E-04	4.30E-05	6.66E-05	1.28E-04	6.44E-06	6.47E-05	1.10E-04	8.18E-06	3.68E-05	6.09E-05	2.02E-06
1375	742141.61	4109447.07	4.34E-04	7.90E-04	4.34E-05	6.73E-05	1.30E-04	6.51E-06	6.54E-05	1.11E-04	8.26E-06	3.72E-05	6.15E-05	2.04E-06
1376	742183.86	4109455.92	4.65E-04	8.48E-04	4.66E-05	7.22E-05	1.39E-04	6.99E-06	7.02E-05	1.20E-04	8.87E-06	3.99E-05	6.60E-05	2.19E-06
1377	742203.17	4109468.99	4.96E-04	9.03E-04	4.96E-05	7.69E-05	1.48E-04	7.44E-06	7.47E-05	1.27E-04	9.45E-06	4.25E-05	7.03E-05	2.33E-06
1378	742222.48	4109482.06	5.29E-04	9.64E-04	5.30E-05	8.21E-05	1.58E-04	7.94E-06	7.98E-05	1.36E-04	1.01E-05	4.53E-05	7.50E-05	2.49E-06
1379	742241.79	4109495.13	5.69E-04	1.04E-03	5.69E-05	8.82E-05	1.70E-04	8.53E-06	8.57E-05	1.46E-04	1.08E-05	4.87E-05	8.06E-05	2.67E-06
1380	742261.1	4109508.2	6.16E-04	1.12E-03	6.17E-05	9.56E-05	1.84E-04	9.25E-06	9.29E-05	1.58E-04	1.17E-05	5.28E-05	8.74E-05	2.90E-06
1381	742280.42	4109521.27	6.74E-04	1.23E-03	6.75E-05	1.05E-04	2.01E-04	1.01E-05	1.02E-04	1.73E-04	1.28E-05	5.78E-05	9.56E-05	3.17E-06
1382	742299.73	4109534.34	7.43E-04	1.35E-03	7.43E-05	1.15E-04	2.22E-04	1.11E-05	1.12E-04	1.91E-04	1.42E-05	6.37E-05	1.05E-04	3.49E-06
1383	742319.04	4109547.41	8.21E-04	1.50E-03	8.21E-05	1.27E-04	2.45E-04	1.23E-05	1.24E-04	2.11E-04	1.56E-05	7.03E-05	1.16E-04	3.86E-06
1384	742338.35	4109560.48	9.04E-04	1.65E-03	9.05E-05	1.40E-04	2.70E-04	1.36E-05	1.36E-04	2.32E-04	1.72E-05	7.75E-05	1.28E-04	4.25E-06
1385	742357.67	4109573.55	9.91E-04	1.81E-03	9.91E-05	1.54E-04	2.96E-04	1.49E-05	1.49E-04	2.55E-04	1.89E-05	8.49E-05	1.40E-04	4.66E-06
1386	742376.98	4109586.63	1.08E-03	1.96E-03	1.08E-04	1.67E-04	3.22E-04	1.62E-05	1.62E-04	2.77E-04	2.05E-05	9.23E-05	1.53E-04	5.06E-06
1387	742396.29	4109599.7	1.17E-03	2.12E-03	1.17E-04	1.81E-04	3.48E-04	1.75E-05	1.76E-04	3.00E-04	2.22E-05	9.99E-05	1.65E-04	5.48E-06
1388	741866.41	4109497.81	3.58E-04	6.52E-04	3.58E-05	5.55E-05	1.07E-04	5.37E-06	5.40E-05	9.20E-05	6.82E-06	3.07E-05	5.08E-05	1.68E-06
1389	741845.77	4109511.06	3.63E-04	6.61E-04	3.63E-05	5.63E-05	1.08E-04	5.44E-06	5.47E-05	9.33E-05	6.91E-06	3.11E-05	5.14E-05	1.70E-06
1390	741825.14	4109524.32	3.68E-04	6.71E-04	3.69E-05	5.71E-05	1.10E-04	5.53E-06	5.55E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
1391	741804.5	4109537.58	3.75E-04	6.84E-04	3.75E-05	5.82E-05	1.12E-04	5.63E-06	5.66E-05	9.65E-05	7.15E-06	3.22E-05	5.32E-05	1.76E-06
1392	741783.86	4109550.83	3.83E-04	6.98E-04	3.83E-05	5.94E-05	1.14E-04	5.75E-06	5.78E-05	9.85E-05	7.30E-06	3.28E-05	5.43E-05	1.80E-06
1393	741763.22	4109564.09	3.91E-04	7.12E-04	3.91E-05	6.06E-05	1.17E-04	5.87E-06	5.89E-05	1.00E-04	7.45E-06	3.35E-05	5.54E-05	1.84E-06
1394	741742.58	4109577.35	3.97E-04	7.24E-04	3.98E-05	6.16E-05	1.19E-04	5.96E-06	5.99E-05	1.02E-04	7.57E-06	3.41E-05	5.63E-05	1.87E-06
1395	741835.66	4109409.38	2.67E-04	4.87E-04	2.67E-05	4.14E-05	7.98E-05	4.01E-06	4.03E-05	6.87E-05	5.09E-06	2.29E-05	3.79E-05	1.26E-06
1396	741858.95	4109405.08	2.71E-04	4.94E-04	2.71E-05	4.20E-05	8.10E-05	4.07E-06	4.09E-05	6.97E-05	5.16E-06	2.32E-05	3.84E-05	1.27E-06
1397	741882.24	4109400.79	2.75E-04	5.01E-04	2.75E-05	4.26E-05	8.21E-05	4.12E-06	4.14E-05	7.06E-05	5.24E-06	2.35E-05	3.90E-05	1.29E-06
1398	741905.53	4109396.49	2.79E-04	5.08E-04	2.79E-05	4.32E-05	8.32E-05	4.18E-06	4.20E-05	7.16E-05	5.31E-06	2.39E-05	3.95E-05	1.31E-06
1399	741928.83	4109392.2	2.82E-04	5.14E-04	2.82E-05	4.38E-05	8.43E-05	4.24E-06	4.26E-05	7.25E-05	5.38E-06	2.42E-05	4.00E-05	1.33E-06
1400	741952.12	4109387.91	2.86E-04	5.21E-04	2.86E-05	4.44E-05	8.55E-05	4.29E-06	4.31E-05	7.35E-05	5.45E-06	2.45E-05	4.06E-05	1.34E-06
1401	741975.41	4109383.61	2.90E-04	5.29E-04	2.91E-05	4.50E-05	8.67E-05	4.36E-06	4.38E-05	7.46E-05	5.53E-06	2.49E-05	4.12E-05	1.36E-06
1402	741998.7	4109379.32	2.95E-04	5.38E-04	2.95E-05	4.58E-05	8.82E-05	4.43E-06	4.45E-05	7.59E-05	5.63E-06	2.53E-05	4.19E-05	1.39E-06
1403	742021.99	4109375.02	3.01E-04	5.48E-04	3.01E-05	4.66E-05	8.98E-05	4.51E-06	4.53E-05	7.73E-05	5.73E-06	2.58E-05	4.26E-05	1.41E-06
1404	742045.28	4109370.73	3.06E-04	5.57E-04	3.06E-05	4.74E-05	9.13E-05	4.59E-06	4.61E-05	7.86E-05	5.83E-06	2.62E-05	4.34E-05	1.44E-06
1405	742068.57	4109366.44	3.11E-04	5.66E-04	3.11E-05	4.82E-05	9.28E-05	4.66E-06	4.68E-05	7.98E-05	5.92E-06	2.66E-05	4.40E-05	1.46E-06
1406	742091.87	4109362.14	3.15E-04	5.74E-04	3.15E-05	4.88E-05	9.41E-05	4.73E-06	4.75E-05	8.09E-05	6.00E-06	2.70E-05	4.46E-05	1.48E-06
1407	742115.16	4109357.85	3.19E-04	5.81E-04	3.19E-05	4.94E-05	9.52E-05	4.78E-06	4.80E-05	8.19E-05	6.07E-06	2.73E-05	4.52E-05	1.50E-06
1408	742138.45	4109353.55	3.22E-04	5.86E-04	3.22E-05	4.99E-05	9.61E-05	4.83E-06	4.85E-05	8.27E-05	6.13E-06	2.76E-05	4.56E-05	1.51E-06
1409	742161.74	4109349.26	3.25E-04	5.92E-04	3.25E-05	5.03E-05	9.70E-05	4.87E-06	4.90E-05	8.35E-05	6.19E-06	2.78E-05	4.60E-05	1.53E-06
1410	742204.65	4109358.24	3.44E-04	6.27E-04	3.44E-05	5.33E-05	1.03E-04	5.16E-06	5.19E-05	8.84E-05	6.56E-06	2.95E-05	4.88E-05	1.62E-06
1411	742224.26	4109371.52	3.61E-04	6.59E-04	3.62E-05	5.61E-05	1.08E-04	5.43E-06	5.45E-05	9.29E-05	6.89E-06	3.10E-05	5.13E-05	1.70E-06
1412	742243.87	4109384.79	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.72E-05	9.76E-05	7.23E-06	3.25E-05	5.38E-05	1.78E-06
1413	742263.49	4109398.07	4.00E-04	7.28E-04	4.00E-05	6.20E-05	1.19E-04	6.00E-06	6.03E-05	1.03E-04	7.62E-06	3.42E-05	5.67E-05	1.88E-06
1414	742283.1	4109411.34	4.23E-04	7.71E-04	4.23E-05	6.56E-05	1.26E-04	6.35E-06	6.38E-05	1.09E-04	8.06E-06	3.62E-05	6.00E-05	1.99E-06
1415	742302.72	4109424.62	4.51E-04	8.22E-04	4.52E-05	7.00E-05	1.35E-04	6.77E-06	6.81E-05	1.16E-04	8.60E-06	3.87E-05	6.40E-05	2.12E-06
1416	742322.33	4109437.89	4.86E-04	8.85E-04	4.86E-05	7.53E-05	1.45E-04	7.29E-06	7.33E-05	1.25E-04	9.26E-06	4.16E-05	6.89E-05	2.28E-06
1417	742341.94	4109451.17	5.27E-04	9.59E-04	5.27E-05	8.16E-05	1.57E-04	7.90E-06	7.94E-05	1.35E-04	1.00E-05	4.51E-05	7.47E-05	2.47E-06
1418	742361.56	4109464.44	5.73E-04	1.04E-03	5.73E-05	8.88E-05	1.71E-04	8.60E-06	8.64E-05	1.47E-04	1.09E-05	4.91E-05	8.12E-05	2.69E-06
1419	742381.17	4109477.72	6.23E-04	1.14E-03	6.24E-05	9.66E-05	1.86E-04	9.35E-06	9.40E-05	1.60E-04	1.19E-05	5.34E-05	8.84E-05	2.93E-06
1420	742400.79	4109490.99	6.76E-04	1.23E-03	6.77E-05	1.05E-04	2.02E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.79E-05	9.59E-05	3.18E-06
1421	742420.4	4109504.27	7.31E-04	1.33E-03	7.32E-05	1.13E-04	2.19E-04	1.10E-05	1.10E-04	1.88E-04	1.39E-05	6.27E-05	1.04E-04	3.44E-06
1422	742440.01	4109517.54	7.88E-04	1.44E-03	7.89E-05	1.22E-04	2.35E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.75E-05	1.12E-04	3.70E-06
1423	742459.63	4109530.82	8.47E-04	1.54E-03	8.47E-05	1.31E-04	2.53E-04	1.27E-05	1.28E-04	2.18E-04	1.61E-05	7.26E-05	1.20E-04	3.98E-06
1424	742479.24	4109544.09	9.06E-04	1.65E-03	9.06E-05	1.40E-04	2.71E-04	1.36E-05	1.37E-04	2.33E-04	1.73E-05	7.76E-05	1.28E-04	4.26E-06
1425	741812.37	4109413.67	2.63E-04	4.80E-04	2.64E-05	4.08E-05	7.87E-05	3.95E-06	3.97E-05	6.77E-05	5.02E-06	2.26E-05	3.73E-05	1.24E-06
1426	741791.73	4109426.93	2.67E-04	4.87E-04	2.67E-05	4.14E-05	7.98E-05	4.01E-06	4.03E-05	6.87E-05	5.09E-06	2.29E-05	3.79E-05	1.26E-06
1427	741771.09	4109440.18	2.71E-04	4.94E-04	2.71E-05	4.20E-05	8.10E-05	4.07E-06	4.09E-05	6.97E-05	5.17E-06	2.32E-05	3.84E-05	1.27E-06
1428	741750.45	4109453.44	2.76E-04	5.02E-04	2.76E-05	4.27E-05	8.23E-05	4.14E-06	4.16E-05	7.08E-05	5.25E-06	2.36E-05	3.91E-05	1.30E-06
1429	741729.81	4109466.7	2.81E-04	5.12E-04	2.81E-05	4.35E-05	8.39E-05	4.21E-06	4.23E-05	7.22E-05	5.35E-06	2.41E-05	3.98E-05	1.32E-06
1430	741709.18	4109479.95	2.86E-04	5.21E-04	2.86E-05	4.43E-05	8.54E-05	4.29E-06	4.31E-05	7.35E-05	5.45E-06	2.45E-05	4.05E-05	1.34E-06
1431	741688.54	4109493.21	2.90E-04	5.29E-04	2.91E-05	4.50E-05	8.68E-05	4.36E-06	4.38E-05	7.47E-05	5.53E-06	2.49E-05	4.12E-05	1.36E-06
1432	741781.86	4109325.19	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
1433	741805.4	4109320.85	2.08E-04	3.79E-04	2.08E-05	3.22E-05	6.21E-05	3.12E-06	3.14E-05	5.35E-05	3.96E-06	1.78E-05	2.95E-05	9.77E-07
1434	741828.93	4109316.51	2.10E-04	3.83E-04	2.10E-05	3.26E-05	6.28E-05	3.15E-06	3.17E-05	5.40E-05	4.01E-06	1.80E-05	2.98E-05	9.88E-07
1435	741852.47	4109312.18	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.35E-05	3.19E-06	3.21E-05	5.47E-05	4.05E-06	1.82E-05	3.02E-05	1.00E-06
1436	741876.01	4109307.84	2.16E-04	3.93E-04	2.16E-05	3.34E-05	6.44E-05	3.24E-06	3.25E-05	5.54E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06

1437	741899.54	4109303.5	2.19E-04	3.98E-04	2.19E-05	3.39E-05	6.53E-05	3.28E-06	3.30E-05	5.62E-05	4.17E-06	1.87E-05	3.10E-05	1.03E-06
1438	741923.08	4109299.16	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.33E-06	3.34E-05	5.70E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
1439	741946.62	4109294.82	2.24E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
1440	741970.15	4109290.48	2.27E-04	4.14E-04	2.28E-05	3.53E-05	6.79E-05	3.41E-06	3.43E-05	5.85E-05	4.33E-06	1.95E-05	3.22E-05	1.07E-06
1441	741993.69	4109286.14	2.31E-04	4.20E-04	2.31E-05	3.58E-05	6.89E-05	3.46E-06	3.48E-05	5.93E-05	4.39E-06	1.98E-05	3.27E-05	1.08E-06
1442	742017.23	4109281.8	2.34E-04	4.26E-04	2.34E-05	3.63E-05	6.99E-05	3.51E-06	3.53E-05	6.02E-05	4.46E-06	2.01E-05	3.32E-05	1.10E-06
1443	742040.76	4109277.46	2.37E-04	4.33E-04	2.38E-05	3.68E-05	7.10E-05	3.56E-06	3.58E-05	6.11E-05	4.53E-06	2.04E-05	3.37E-05	1.12E-06
1444	742064.3	4109273.12	2.41E-04	4.39E-04	2.41E-05	3.74E-05	7.20E-05	3.62E-06	3.63E-05	6.19E-05	4.59E-06	2.06E-05	3.42E-05	1.13E-06
1445	742087.84	4109268.78	2.44E-04	4.45E-04	2.44E-05	3.79E-05	7.29E-05	3.66E-06	3.68E-05	6.28E-05	4.65E-06	2.09E-05	3.46E-05	1.15E-06
1446	742111.37	4109264.45	2.47E-04	4.50E-04	2.47E-05	3.83E-05	7.38E-05	3.71E-06	3.73E-05	6.35E-05	4.71E-06	2.12E-05	3.50E-05	1.16E-06
1447	742134.91	4109260.11	2.50E-04	4.55E-04	2.50E-05	3.87E-05	7.46E-05	3.75E-06	3.77E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
1448	742158.45	4109255.77	2.52E-04	4.60E-04	2.52E-05	3.91E-05	7.54E-05	3.79E-06	3.80E-05	6.48E-05	4.81E-06	2.16E-05	3.58E-05	1.19E-06
1449	742181.98	4109251.43	2.54E-04	4.64E-04	2.55E-05	3.95E-05	7.60E-05	3.82E-06	3.84E-05	6.54E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
1450	742225.34	4109260.5	2.68E-04	4.88E-04	2.68E-05	4.15E-05	8.00E-05	4.02E-06	4.04E-05	6.88E-05	5.10E-06	2.29E-05	3.79E-05	1.26E-06
1451	742245.16	4109273.92	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.33E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
1452	742264.98	4109287.33	2.90E-04	5.29E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.46E-05	5.53E-06	2.49E-05	4.11E-05	1.36E-06
1453	742284.8	4109300.75	3.01E-04	5.49E-04	3.02E-05	4.67E-05	9.01E-05	4.52E-06	4.55E-05	7.75E-05	5.74E-06	2.58E-05	4.27E-05	1.42E-06
1454	742304.62	4109314.16	3.14E-04	5.72E-04	3.14E-05	4.87E-05	9.38E-05	4.71E-06	4.74E-05	8.07E-05	5.98E-06	2.69E-05	4.45E-05	1.48E-06
1455	742324.44	4109327.58	3.29E-04	6.00E-04	3.29E-05	5.10E-05	9.83E-05	4.94E-06	4.96E-05	8.46E-05	6.27E-06	2.82E-05	4.67E-05	1.55E-06
1456	742344.26	4109340.99	3.47E-04	6.33E-04	3.47E-05	5.38E-05	1.04E-04	5.21E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.92E-05	1.63E-06
1457	742364.08	4109354.41	3.69E-04	6.72E-04	3.69E-05	5.72E-05	1.10E-04	5.54E-06	5.57E-05	9.49E-05	7.03E-06	3.16E-05	5.23E-05	1.73E-06
1458	742383.9	4109367.82	3.95E-04	7.19E-04	3.95E-05	6.12E-05	1.18E-04	5.92E-06	5.95E-05	1.01E-04	7.52E-06	3.38E-05	5.59E-05	1.85E-06
1459	742403.72	4109381.24	4.23E-04	7.72E-04	4.24E-05	6.57E-05	1.27E-04	6.36E-06	6.39E-05	1.09E-04	8.07E-06	3.63E-05	6.00E-05	1.99E-06
1460	742423.54	4109394.65	4.55E-04	8.30E-04	4.56E-05	7.06E-05	1.36E-04	6.83E-06	6.87E-05	1.17E-04	8.68E-06	3.90E-05	6.46E-05	2.14E-06
1461	742443.37	4109408.07	4.90E-04	8.93E-04	4.90E-05	7.60E-05	1.46E-04	7.35E-06	7.39E-05	1.26E-04	9.34E-06	4.20E-05	6.95E-05	2.30E-06
1462	742463.19	4109421.48	5.27E-04	9.59E-04	5.27E-05	8.17E-05	1.57E-04	7.90E-06	7.94E-05	1.35E-04	1.00E-05	4.51E-05	7.47E-05	2.47E-06
1463	742483.01	4109434.9	5.65E-04	1.03E-03	5.66E-05	8.77E-05	1.69E-04	8.49E-06	8.53E-05	1.45E-04	1.08E-05	4.85E-05	8.02E-05	2.66E-06
1464	742502.83	4109448.31	6.06E-04	1.10E-03	6.06E-05	9.40E-05	1.81E-04	9.09E-06	9.14E-05	1.56E-04	1.15E-05	5.19E-05	8.59E-05	2.85E-06
1465	742522.65	4109461.73	6.47E-04	1.18E-03	6.47E-05	1.00E-04	1.93E-04	9.71E-06	9.75E-05	1.66E-04	1.23E-05	5.54E-05	9.17E-05	3.04E-06
1466	742542.47	4109475.14	6.86E-04	1.25E-03	6.87E-05	1.06E-04	2.05E-04	1.03E-05	1.03E-04	1.76E-04	1.31E-05	5.88E-05	9.73E-05	3.22E-06
1467	742562.29	4109488.56	7.23E-04	1.32E-03	7.23E-05	1.12E-04	2.16E-04	1.09E-05	1.09E-04	1.86E-04	1.38E-05	6.19E-05	1.03E-04	3.40E-06
1468	741758.32	4109329.53	2.04E-04	3.71E-04	2.04E-05	3.16E-05	6.09E-05	3.06E-06	3.07E-05	5.24E-05	3.88E-06	1.75E-05	2.89E-05	9.58E-07
1469	741737.68	4109342.79	2.07E-04	3.76E-04	2.07E-05	3.20E-05	6.17E-05	3.10E-06	3.12E-05	5.31E-05	3.94E-06	1.77E-05	2.93E-05	9.71E-07
1470	741717.05	4109356.05	2.10E-04	3.82E-04	2.10E-05	3.25E-05	6.26E-05	3.15E-06	3.16E-05	5.39E-05	3.99E-06	1.80E-05	2.97E-05	9.85E-07
1471	741696.41	4109369.3	2.13E-04	3.88E-04	2.13E-05	3.31E-05	6.37E-05	3.20E-06	3.21E-05	5.48E-05	4.06E-06	1.83E-05	3.02E-05	1.00E-06
1472	741675.77	4109382.56	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.48E-05	3.26E-06	3.27E-05	5.58E-05	4.13E-06	1.86E-05	3.08E-05	1.02E-06
1473	741655.13	4109395.82	2.21E-04	4.02E-04	2.21E-05	3.42E-05	6.60E-05	3.31E-06	3.33E-05	5.68E-05	4.21E-06	1.89E-05	3.13E-05	1.04E-06
1474	741634.49	4109409.07	2.24E-04	4.09E-04	2.24E-05	3.48E-05	6.70E-05	3.37E-06	3.38E-05	5.77E-05	4.27E-06	1.92E-05	3.18E-05	1.05E-06
1475	741727.99	4109241.02	1.65E-04	3.00E-04	1.65E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.23E-05	3.13E-06	1.41E-05	2.33E-05	7.73E-07
1476	741751.71	4109236.65	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.96E-05	2.49E-06	2.50E-05	4.27E-05	3.16E-06	1.42E-05	2.35E-05	7.80E-07
1477	741775.42	4109232.28	1.67E-04	3.05E-04	1.68E-05	2.60E-05	5.00E-05	2.51E-06	2.52E-05	4.30E-05	3.19E-06	1.43E-05	2.37E-05	7.87E-07
1478	741799.14	4109227.91	1.69E-04	3.08E-04	1.69E-05	2.62E-05	5.05E-05	2.54E-06	2.55E-05	4.34E-05	3.22E-06	1.45E-05	2.40E-05	7.94E-07
1479	741822.85	4109223.53	1.71E-04	3.11E-04	1.71E-05	2.65E-05	5.10E-05	2.56E-06	2.57E-05	4.39E-05	3.25E-06	1.46E-05	2.42E-05	8.02E-07
1480	741846.57	4109219.16	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.16E-05	2.59E-06	2.61E-05	4.44E-05	3.29E-06	1.48E-05	2.45E-05	8.12E-07
1481	741870.28	4109214.79	1.75E-04	3.19E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.48E-05	8.24E-07
1482	741894	4109210.42	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.35E-07
1483	741917.71	4109206.05	1.80E-04	3.29E-04	1.80E-05	2.80E-05	5.39E-05	2.71E-06	2.72E-05	4.63E-05	3.44E-06	1.54E-05	2.56E-05	8.47E-07
1484	741941.43	4109201.67	1.82E-04	3.32E-04	1.83E-05	2.83E-05	5.45E-05	2.74E-06	2.75E-05	4.69E-05	3.48E-06	1.56E-05	2.59E-05	8.58E-07
1485	741965.14	4109197.3	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.51E-05	2.77E-06	2.78E-05	4.74E-05	3.52E-06	1.58E-05	2.62E-05	8.67E-07
1486	741988.86	4109192.93	1.87E-04	3.40E-04	1.87E-05	2.89E-05	5.57E-05	2.80E-06	2.81E-05	4.80E-05	3.55E-06	1.60E-05	2.65E-05	8.77E-07
1487	742012.57	4109188.56	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
1488	742036.29	4109184.19	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.71E-05	2.87E-06	2.88E-05	4.91E-05	3.64E-06	1.64E-05	2.71E-05	8.98E-07
1489	742060	4109179.81	1.93E-04	3.52E-04	1.94E-05	3.00E-05	5.78E-05	2.90E-06	2.92E-05	4.97E-05	3.69E-06	1.66E-05	2.74E-05	9.09E-07
1490	742083.72	4109175.44	1.96E-04	3.57E-04	1.96E-05	3.03E-05	5.85E-05	2.94E-06	2.95E-05	5.03E-05	3.73E-06	1.68E-05	2.77E-05	9.20E-07
1491	742107.43	4109171.07	1.98E-04	3.61E-04	1.98E-05	3.07E-05	5.91E-05	2.97E-06	2.98E-05	5.09E-05	3.77E-06	1.70E-05	2.81E-05	9.30E-07
1492	742131.15	4109166.7	2.00E-04	3.65E-04	2.00E-05	3.10E-05	5.98E-05	3.00E-06	3.02E-05	5.15E-05	3.81E-06	1.71E-05	2.84E-05	9.41E-07
1493	742154.86	4109162.33	2.02E-04	3.69E-04	2.02E-05	3.14E-05	6.04E-05	3.04E-06	3.05E-05	5.20E-05	3.85E-06	1.73E-05	2.87E-05	9.50E-07
1494	742178.58	4109157.95	2.04E-04	3.72E-04	2.04E-05	3.17E-05	6.10E-05	3.07E-06	3.08E-05	5.25E-05	3.89E-06	1.75E-05	2.90E-05	9.60E-07
1495	742202.29	4109153.58	2.06E-04	3.76E-04	2.06E-05	3.20E-05	6.16E-05	3.09E-06	3.11E-05	5.30E-05	3.93E-06	1.77E-05	2.92E-05	9.69E-07
1496	742245.98	4109162.73	2.16E-04	3.93E-04	2.16E-05	3.35E-05	6.45E-05	3.24E-06	3.26E-05	5.55E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
1497	742265.95	4109176.24	2.24E-04	4.08E-04	2.24E-05	3.47E-05	6.69E-05	3.36E-06	3.38E-05	5.75E-05	4.27E-06	1.92E-05	3.17E-05	1.05E-06
1498	742285.92	4109189.76	2.31E-04	4.21E-04	2.31E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.95E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
1499	742305.89	4109203.28	2.39E-04	4.35E-04	2.39E-05	3.70E-05	7.13E-05	3.58E-06	3.60E-05	6.13E-05	4.55E-06	2.04E-05	3.38E-05	1.12E-06
1500	742325.86	4109216.79	2.46E-04	4.48E-04	2.46E-05	3.82E-05	7.35E-05	3.69E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
1501	742345.83	4109230.31	2.55E-04	4.64E-04	2.55E-05	3.95E-05	7.61E-05	3.82E-06	3.84E-05	6.55E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
1502	742365.8	4109243.83	2.65E-04	4.83E-04	2.65E-05	4.11E-05	7.92E-05	3.98E-06	4.00E-05	6.81E-05	5.05E-06	2.27E-05	3.76E-05	1.25E-06
1503	742385.77	4109257.34	2.77E-04	5.05E-04	2.77E-05	4.30E-05	8.28E-05	4.16E-06	4.18E-05	7.13E-05	5.28E-06	2.38E-05	3.93E-05	1.30E-06
1504	742405.74	4109270.86	2.92E-04	5.31E-04	2.92E-05	4.52E-05	8.71E-05	4.38E-06	4.40E-05	7.50E-05	5.56E-06	2.50E-05	4.13E-05	1.37E-06
1505	742425.71	4109284.38	3.08E-04	5.62E-04	3.08E-05	4.78E-05	9.21E-05	4.63E-06	4.65E-05	7.92E-05	5.87E-06	2.64E-05	4.37E-05	1.45E-06
1506	742445.69	4109297.89	3.27E-04	5.96E-04	3.27E-05	5.07E-05	9.77E-05	4.91E-06	4.93E-05	8.41E-05	6.23E-06	2.80E-05	4.64E-05	1.54E-06
1507	742465.66	4109311.41	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.94E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
1508	742485.63	4109324.92	3.71E-04	6.77E-04	3.72E-05	5.76E-05	1.11E-04	5.57E-06	5.60E-05	9.55E-05	7.08E-06	3.18E-05	5.27E-05	1.75E-06

1509	742505.6	4109338.44	3.97E-04	7.24E-04	3.97E-05	6.16E-05	1.19E-04	5.96E-06	5.99E-05	1.02E-04	7.57E-06	3.40E-05	5.63E-05	1.87E-06
1510	742525.57	4109351.96	4.25E-04	7.74E-04	4.25E-05	6.59E-05	1.27E-04	6.38E-06	6.41E-05	1.09E-04	8.10E-06	3.64E-05	6.02E-05	2.00E-06
1511	742545.54	4109365.47	4.54E-04	8.27E-04	4.54E-05	7.04E-05	1.36E-04	6.81E-06	6.84E-05	1.17E-04	8.65E-06	3.89E-05	6.43E-05	2.13E-06
1512	742565.51	4109378.99	4.83E-04	8.80E-04	4.83E-05	7.49E-05	1.44E-04	7.25E-06	7.28E-05	1.24E-04	9.20E-06	4.14E-05	6.85E-05	2.27E-06
1513	742585.48	4109392.51	5.12E-04	9.32E-04	5.12E-05	7.94E-05	1.53E-04	7.68E-06	7.72E-05	1.32E-04	9.75E-06	4.38E-05	7.26E-05	2.40E-06
1514	742605.45	4109406.02	5.40E-04	9.83E-04	5.40E-05	8.37E-05	1.61E-04	8.10E-06	8.14E-05	1.39E-04	1.03E-05	4.62E-05	7.65E-05	2.54E-06
1515	742625.42	4109419.54	5.65E-04	1.03E-03	5.66E-05	8.77E-05	1.69E-04	8.49E-06	8.53E-05	1.45E-04	1.08E-05	4.85E-05	8.02E-05	2.66E-06
1516	742645.39	4109433.06	5.88E-04	1.07E-03	5.88E-05	9.12E-05	1.76E-04	8.82E-06	8.87E-05	1.51E-04	1.12E-05	5.04E-05	8.34E-05	2.76E-06
1517	741704.28	4109245.39	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.88E-05	2.45E-06	2.46E-05	4.20E-05	3.11E-06	1.40E-05	2.31E-05	7.67E-07
1518	741683.64	4109258.65	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.94E-05	2.48E-06	2.49E-05	4.25E-05	3.15E-06	1.42E-05	2.34E-05	7.77E-07
1519	741663	4109271.91	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.02E-05	2.52E-06	2.53E-05	4.32E-05	3.20E-06	1.44E-05	2.38E-05	7.89E-07
1520	741642.36	4109285.16	1.71E-04	3.11E-04	1.71E-05	2.65E-05	5.10E-05	2.56E-06	2.58E-05	4.39E-05	3.26E-06	1.46E-05	2.42E-05	8.03E-07
1521	741621.73	4109298.42	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
1522	741601.09	4109311.68	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.29E-05	2.66E-06	2.67E-05	4.55E-05	3.38E-06	1.52E-05	2.51E-05	8.33E-07
1523	741580.45	4109324.93	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.38E-05	2.70E-06	2.71E-05	4.63E-05	3.43E-06	1.54E-05	2.55E-05	8.46E-07
1524	741620.15	4109072.7	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.72E-06	1.61E-05	5.33E-07
1525	741644.1	4109068.29	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.93E-05	2.17E-06	9.78E-06	1.62E-05	5.36E-07
1526	741668.06	4109063.87	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.73E-06	1.73E-05	2.95E-05	2.19E-06	9.85E-06	1.63E-05	5.40E-07
1527	741692.02	4109059.45	1.16E-04	2.11E-04	1.16E-05	1.80E-05	3.46E-05	1.74E-06	1.75E-05	2.98E-05	2.21E-06	9.93E-06	1.64E-05	5.45E-07
1528	741715.97	4109055.04	1.17E-04	2.13E-04	1.17E-05	1.81E-05	3.49E-05	1.75E-06	1.76E-05	3.00E-05	2.23E-06	1.00E-05	1.66E-05	5.49E-07
1529	741739.93	4109050.62	1.18E-04	2.15E-04	1.18E-05	1.83E-05	3.52E-05	1.77E-06	1.78E-05	3.03E-05	2.24E-06	1.01E-05	1.67E-05	5.53E-07
1530	741763.89	4109046.2	1.19E-04	2.17E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
1531	741787.85	4109041.79	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.65E-07
1532	741811.8	4109037.37	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.63E-05	1.83E-06	1.83E-05	3.13E-05	2.32E-06	1.04E-05	1.72E-05	5.72E-07
1533	741835.76	4109032.95	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
1534	741859.72	4109028.54	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.73E-05	1.88E-06	1.88E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.87E-07
1535	741883.67	4109024.12	1.27E-04	2.31E-04	1.27E-05	1.96E-05	3.78E-05	1.90E-06	1.91E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.95E-07
1536	741907.63	4109019.7	1.28E-04	2.33E-04	1.28E-05	1.98E-05	3.82E-05	1.92E-06	1.93E-05	3.29E-05	2.44E-06	1.10E-05	1.81E-05	6.01E-07
1537	741931.59	4109015.29	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
1538	741955.55	4109010.87	1.30E-04	2.38E-04	1.30E-05	2.02E-05	3.89E-05	1.96E-06	1.97E-05	3.35E-05	2.48E-06	1.12E-05	1.85E-05	6.13E-07
1539	741979.5	4109006.45	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.97E-06	1.98E-05	3.38E-05	2.51E-06	1.13E-05	1.87E-05	6.18E-07
1540	742003.46	4109002.04	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.96E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.23E-07
1541	742027.42	4108997.62	1.34E-04	2.44E-04	1.34E-05	2.07E-05	3.99E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.28E-07
1542	742051.37	4108993.2	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.46E-05	2.57E-06	1.15E-05	1.91E-05	6.33E-07
1543	742075.33	4108988.79	1.36E-04	2.47E-04	1.36E-05	2.10E-05	4.06E-05	2.04E-06	2.05E-05	3.49E-05	2.59E-06	1.16E-05	1.92E-05	6.38E-07
1544	742099.29	4108984.37	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
1545	742123.24	4108979.95	1.38E-04	2.51E-04	1.38E-05	2.14E-05	4.12E-05	2.07E-06	2.08E-05	3.54E-05	2.63E-06	1.18E-05	1.95E-05	6.48E-07
1546	742147.2	4108975.54	1.39E-04	2.53E-04	1.39E-05	2.16E-05	4.16E-05	2.09E-06	2.10E-05	3.58E-05	2.65E-06	1.19E-05	1.97E-05	6.54E-07
1547	742171.16	4108971.12	1.41E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.61E-05	2.68E-06	1.20E-05	1.99E-05	6.60E-07
1548	742195.12	4108966.7	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.25E-05	2.13E-06	2.14E-05	3.65E-05	2.71E-06	1.22E-05	2.01E-05	6.68E-07
1549	742219.07	4108962.29	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.16E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
1550	742243.03	4108957.87	1.45E-04	2.65E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.73E-05	2.77E-06	1.24E-05	2.06E-05	6.82E-07
1551	742287.16	4108967.11	1.51E-04	2.76E-04	1.51E-05	2.35E-05	4.52E-05	2.27E-06	2.28E-05	3.89E-05	2.88E-06	1.30E-05	2.15E-05	7.11E-07
1552	742307.34	4108980.76	1.56E-04	2.84E-04	1.56E-05	2.42E-05	4.66E-05	2.34E-06	2.35E-05	4.01E-05	2.97E-06	1.34E-05	2.21E-05	7.33E-07
1553	742327.51	4108994.42	1.60E-04	2.92E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.12E-05	3.05E-06	1.37E-05	2.27E-05	7.53E-07
1554	742347.68	4109008.07	1.64E-04	2.99E-04	1.64E-05	2.54E-05	4.90E-05	2.46E-06	2.47E-05	4.21E-05	3.12E-06	1.40E-05	2.32E-05	7.70E-07
1555	742367.86	4109021.72	1.68E-04	3.05E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.19E-06	1.44E-05	2.38E-05	7.88E-07
1556	742388.03	4109035.38	1.71E-04	3.12E-04	1.71E-05	2.66E-05	5.12E-05	2.57E-06	2.58E-05	4.40E-05	3.26E-06	1.47E-05	2.43E-05	8.05E-07
1557	742408.21	4109049.03	1.75E-04	3.19E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.50E-05	3.34E-06	1.50E-05	2.48E-05	8.24E-07
1558	742428.38	4109062.69	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.37E-05	2.70E-06	2.71E-05	4.62E-05	3.43E-06	1.54E-05	2.55E-05	8.45E-07
1559	742448.56	4109076.34	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.53E-05	2.78E-06	2.79E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.69E-07
1560	742468.73	4109090	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.70E-05	2.87E-06	2.88E-05	4.91E-05	3.64E-06	1.64E-05	2.71E-05	8.97E-07
1561	742488.9	4109103.65	1.98E-04	3.60E-04	1.98E-05	3.07E-05	5.91E-05	2.97E-06	2.98E-05	5.08E-05	3.77E-06	1.69E-05	2.80E-05	9.29E-07
1562	742509.08	4109117.31	2.05E-04	3.74E-04	2.06E-05	3.19E-05	6.14E-05	3.08E-06	3.10E-05	5.28E-05	3.91E-06	1.76E-05	2.91E-05	9.65E-07
1563	742529.25	4109130.96	2.14E-04	3.91E-04	2.15E-05	3.33E-05	6.41E-05	3.22E-06	3.23E-05	5.51E-05	4.09E-06	1.84E-05	3.04E-05	1.01E-06
1564	742549.43	4109144.62	2.25E-04	4.10E-04	2.25E-05	3.49E-05	6.72E-05	3.37E-06	3.39E-05	5.78E-05	4.28E-06	1.93E-05	3.19E-05	1.06E-06
1565	742569.6	4109158.27	2.37E-04	4.32E-04	2.37E-05	3.67E-05	7.08E-05	3.56E-06	3.57E-05	6.09E-05	4.51E-06	2.03E-05	3.36E-05	1.11E-06
1566	742589.78	4109171.92	2.51E-04	4.57E-04	2.51E-05	3.89E-05	7.49E-05	3.76E-06	3.78E-05	6.44E-05	4.77E-06	2.15E-05	3.55E-05	1.18E-06
1567	742609.95	4109185.58	2.65E-04	4.84E-04	2.66E-05	4.12E-05	7.93E-05	3.98E-06	4.00E-05	6.82E-05	5.06E-06	2.27E-05	3.76E-05	1.25E-06
1568	742630.12	4109199.23	2.82E-04	5.13E-04	2.82E-05	4.37E-05	8.41E-05	4.23E-06	4.25E-05	7.24E-05	5.37E-06	2.41E-05	3.99E-05	1.32E-06
1569	742650.3	4109212.89	2.98E-04	5.44E-04	2.99E-05	4.63E-05	8.91E-05	4.48E-06	4.50E-05	7.67E-05	5.69E-06	2.56E-05	4.23E-05	1.40E-06
1570	742670.47	4109226.54	3.15E-04	5.75E-04	3.16E-05	4.89E-05	9.42E-05	4.73E-06	4.76E-05	8.11E-05	6.01E-06	2.70E-05	4.47E-05	1.48E-06
1571	742690.65	4109240.2	3.32E-04	6.05E-04	3.32E-05	5.15E-05	9.91E-05	4.98E-06	5.00E-05	8.53E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
1572	742710.82	4109253.85	3.48E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.94E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
1573	742731	4109267.51	3.63E-04	6.61E-04	3.63E-05	5.62E-05	1.08E-04	5.44E-06	5.47E-05	9.32E-05	6.91E-06	3.11E-05	5.14E-05	1.70E-06
1574	742751.17	4109281.16	3.76E-04	6.85E-04	3.76E-05	5.83E-05	1.12E-04	5.64E-06	5.67E-05	9.66E-05	7.16E-06	3.22E-05	5.33E-05	1.77E-06
1575	742771.34	4109294.81	3.88E-04	7.06E-04	3.88E-05	6.01E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
1576	742791.52	4109308.47	3.98E-04	7.25E-04	3.98E-05	6.17E-05	1.19E-04	5.97E-06	6.00E-05	1.02E-04	7.58E-06	3.41E-05	5.64E-05	1.87E-06
1577	742811.69	4109322.12	4.06E-04	7.40E-04	4.06E-05	6.30E-05	1.21E-04	6.10E-06	6.13E-05	1.04E-04	7.74E-06	3.48E-05	5.76E-05	1.91E-06
1578	741596.19	4109077.12	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.68E-06	1.60E-05	5.31E-07
1579	741575.55	4109090.38	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.42E-05	1.72E-06	1.73E-05	2.94E-05	2.18E-06	9.82E-06	1.62E-05	5.38E-07
1580	741554.91	4109103.63	1.16E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	2.99E-05	2.22E-06	9.98E-06	1.65E-05	5.47E-07

1581	741534.27	4109116.89	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
1582	741513.64	4109130.15	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.10E-05	2.30E-06	1.03E-05	1.71E-05	5.68E-07
1583	741493	4109143.4	1.23E-04	2.24E-04	1.23E-05	1.91E-05	3.67E-05	1.85E-06	1.85E-05	3.16E-05	2.34E-06	1.05E-05	1.74E-05	5.78E-07
1584	741472.36	4109156.66	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.73E-05	1.88E-06	1.89E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.87E-07
1585	741512.21	4108904.4	8.42E-05	1.53E-04	8.42E-06	1.31E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.96E-07
1586	741536.33	4108899.95	8.44E-05	1.54E-04	8.45E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.24E-06	1.20E-05	3.97E-07
1587	741560.44	4108895.51	8.48E-05	1.55E-04	8.49E-06	1.32E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
1588	741584.55	4108891.06	8.53E-05	1.55E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
1589	741608.67	4108886.62	8.60E-05	1.57E-04	8.60E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
1590	741632.78	4108882.17	8.66E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.42E-06	1.23E-05	4.07E-07
1591	741656.9	4108877.72	8.74E-05	1.59E-04	8.74E-06	1.35E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.66E-06	7.49E-06	1.24E-05	4.11E-07
1592	741681.01	4108873.28	8.82E-05	1.61E-04	8.83E-06	1.37E-05	2.64E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.56E-06	1.25E-05	4.15E-07
1593	741705.12	4108868.83	8.90E-05	1.62E-04	8.91E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.63E-06	1.26E-05	4.18E-07
1594	741729.24	4108864.39	8.99E-05	1.64E-04	9.00E-06	1.39E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.23E-07
1595	741753.35	4108859.94	9.08E-05	1.66E-04	9.09E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.34E-05	1.73E-06	7.78E-06	1.29E-05	4.27E-07
1596	741777.46	4108855.5	9.18E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
1597	741801.58	4108851.05	9.28E-05	1.69E-04	9.29E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.95E-06	1.32E-05	4.36E-07
1598	741825.69	4108846.61	9.38E-05	1.71E-04	9.39E-06	1.45E-05	2.80E-05	1.41E-06	1.41E-05	2.41E-05	1.79E-06	8.04E-06	1.33E-05	4.41E-07
1599	741849.8	4108842.16	9.48E-05	1.73E-04	9.49E-06	1.47E-05	2.83E-05	1.42E-06	1.43E-05	2.44E-05	1.81E-06	8.12E-06	1.34E-05	4.46E-07
1600	741873.92	4108837.71	9.58E-05	1.75E-04	9.58E-06	1.49E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.83E-06	8.21E-06	1.36E-05	4.50E-07
1601	741898.03	4108833.27	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
1602	741922.15	4108828.82	9.76E-05	1.78E-04	9.77E-06	1.51E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.38E-05	4.59E-07
1603	741946.26	4108824.38	9.85E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
1604	741970.37	4108819.93	9.93E-05	1.81E-04	9.93E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.51E-06	1.41E-05	4.67E-07
1605	741994.49	4108815.49	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.57E-06	1.42E-05	4.70E-07
1606	742018.6	4108811.04	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.62E-06	1.43E-05	4.73E-07
1607	742042.71	4108806.6	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
1608	742066.83	4108802.15	1.01E-04	1.85E-04	1.02E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.77E-07
1609	742090.94	4108797.7	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.53E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
1610	742115.05	4108793.26	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.76E-06	1.45E-05	4.80E-07
1611	742139.17	4108788.81	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.07E-05	1.54E-06	1.55E-05	2.64E-05	1.96E-06	8.80E-06	1.46E-05	4.83E-07
1612	742163.28	4108784.37	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
1613	742187.4	4108779.92	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.11E-05	1.56E-06	1.57E-05	2.68E-05	1.99E-06	8.93E-06	1.48E-05	4.90E-07
1614	742211.51	4108775.48	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.02E-06	1.49E-05	4.95E-07
1615	742235.62	4108771.03	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.00E-07
1616	742259.74	4108766.59	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.22E-05	1.62E-06	1.62E-05	2.77E-05	2.05E-06	9.23E-06	1.53E-05	5.06E-07
1617	742283.85	4108762.14	1.09E-04	1.98E-04	1.09E-05	1.69E-05	3.25E-05	1.63E-06	1.64E-05	2.80E-05	2.08E-06	9.33E-06	1.54E-05	5.12E-07
1618	742328.27	4108771.44	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.71E-06	1.61E-05	5.33E-07
1619	742348.58	4108785.18	1.17E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	3.00E-05	2.22E-06	9.99E-06	1.65E-05	5.48E-07
1620	742368.88	4108798.93	1.19E-04	2.18E-04	1.20E-05	1.85E-05	3.57E-05	1.79E-06	1.80E-05	3.07E-05	2.28E-06	1.02E-05	1.69E-05	5.61E-07
1621	742389.19	4108812.67	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.73E-07
1622	742409.49	4108826.41	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
1623	742429.8	4108840.16	1.26E-04	2.30E-04	1.27E-05	1.96E-05	3.78E-05	1.90E-06	1.91E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.94E-07
1624	742450.11	4108853.9	1.28E-04	2.34E-04	1.29E-05	1.99E-05	3.84E-05	1.93E-06	1.94E-05	3.30E-05	2.45E-06	1.10E-05	1.82E-05	6.04E-07
1625	742470.41	4108867.65	1.31E-04	2.38E-04	1.31E-05	2.02E-05	3.90E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.13E-07
1626	742490.72	4108881.39	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
1627	742511.03	4108895.13	1.35E-04	2.46E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.35E-07
1628	742531.33	4108908.88	1.38E-04	2.51E-04	1.38E-05	2.14E-05	4.12E-05	2.07E-06	2.08E-05	3.55E-05	2.63E-06	1.18E-05	1.96E-05	6.48E-07
1629	742551.64	4108922.62	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.63E-07
1630	742571.94	4108936.36	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
1631	742592.25	4108950.11	1.49E-04	2.71E-04	1.49E-05	2.31E-05	4.45E-05	2.24E-06	2.25E-05	3.83E-05	2.84E-06	1.28E-05	2.11E-05	7.00E-07
1632	742612.56	4108963.85	1.54E-04	2.81E-04	1.54E-05	2.39E-05	4.60E-05	2.31E-06	2.32E-05	3.96E-05	2.93E-06	1.32E-05	2.18E-05	7.24E-07
1633	742632.86	4108977.59	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.11E-05	3.05E-06	1.37E-05	2.27E-05	7.51E-07
1634	742653.17	4108991.34	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.98E-05	2.50E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.36E-05	7.84E-07
1635	742673.47	4109005.08	1.75E-04	3.18E-04	1.75E-05	2.71E-05	5.22E-05	2.62E-06	2.63E-05	4.49E-05	3.33E-06	1.50E-05	2.48E-05	8.21E-07
1636	742693.78	4109018.83	1.83E-04	3.34E-04	1.84E-05	2.85E-05	5.48E-05	2.75E-06	2.77E-05	4.72E-05	3.50E-06	1.57E-05	2.60E-05	8.62E-07
1637	742714.09	4109032.57	1.93E-04	3.52E-04	1.93E-05	2.99E-05	5.77E-05	2.90E-06	2.91E-05	4.96E-05	3.68E-06	1.65E-05	2.74E-05	9.07E-07
1638	742734.39	4109046.31	2.03E-04	3.70E-04	2.03E-05	3.15E-05	6.07E-05	3.05E-06	3.07E-05	5.23E-05	3.87E-06	1.74E-05	2.88E-05	9.55E-07
1639	742754.7	4109060.06	2.14E-04	3.90E-04	2.14E-05	3.32E-05	6.39E-05	3.21E-06	3.22E-05	5.50E-05	4.08E-06	1.83E-05	3.03E-05	1.00E-06
1640	742775	4109073.8	2.24E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.38E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.05E-06
1641	742795.31	4109087.54	2.35E-04	4.28E-04	2.35E-05	3.64E-05	7.02E-05	3.53E-06	3.54E-05	6.04E-05	4.48E-06	2.01E-05	3.33E-05	1.10E-06
1642	742815.62	4109101.29	2.45E-04	4.47E-04	2.45E-05	3.80E-05	7.32E-05	3.68E-06	3.70E-05	6.30E-05	4.67E-06	2.10E-05	3.48E-05	1.15E-06
1643	742835.92	4109115.03	2.55E-04	4.64E-04	2.55E-05	3.95E-05	7.61E-05	3.82E-06	3.84E-05	6.54E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
1644	742856.23	4109128.78	2.63E-04	4.80E-04	2.64E-05	4.08E-05	7.87E-05	3.95E-06	3.97E-05	6.77E-05	5.02E-06	2.26E-05	3.73E-05	1.24E-06
1645	742876.54	4109142.52	2.71E-04	4.94E-04	2.71E-05	4.21E-05	8.11E-05	4.07E-06	4.09E-05	6.97E-05	5.17E-06	2.32E-05	3.85E-05	1.28E-06
1646	742896.84	4109156.26	2.78E-04	5.07E-04	2.78E-05	4.32E-05	8.32E-05	4.18E-06	4.20E-05	7.15E-05	5.30E-06	2.38E-05	3.95E-05	1.31E-06
1647	742917.15	4109170.01	2.84E-04	5.18E-04	2.85E-05	4.41E-05	8.50E-05	4.27E-06	4.29E-05	7.31E-05	5.42E-06	2.44E-05	4.03E-05	1.34E-06
1648	742937.45	4109183.75	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.45E-05	5.53E-06	2.48E-05	4.11E-05	1.36E-06
1649	742957.76	4109197.49	2.95E-04	5.37E-04	2.95E-05	4.57E-05	8.81E-05	4.42E-06	4.44E-05	7.58E-05	5.62E-06	2.53E-05	4.18E-05	1.39E-06
1650	742978.07	4109211.24	2.99E-04	5.44E-04	2.99E-05	4.63E-05	8.93E-05	4.48E-06	4.51E-05	7.68E-05	5.69E-06	2.56E-05	4.24E-05	1.40E-06
1651	741488.1	4108908.84	8.41E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
1652	741467.46	4108922.1	8.53E-05	1.55E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07

1653	741446.82	4108935.36	8.67E-05	1.58E-04	8.68E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.08E-07
1654	741426.19	4108948.61	8.82E-05	1.61E-04	8.83E-06	1.37E-05	2.64E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.56E-06	1.25E-05	4.15E-07
1655	741405.55	4108961.87	8.98E-05	1.64E-04	8.99E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.22E-07
1656	741384.91	4108975.13	9.14E-05	1.67E-04	9.15E-06	1.42E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.83E-06	1.30E-05	4.30E-07
1657	741364.27	4108988.38	9.30E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.97E-06	1.32E-05	4.37E-07
1658	741403.64	4108736.21	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
1659	741427.28	4108731.85	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.94E-06	1.69E-05	1.26E-06	5.65E-06	9.34E-06	3.10E-07
1660	741450.91	4108727.5	6.60E-05	1.20E-04	6.61E-06	1.02E-05	1.97E-05	9.91E-07	9.96E-06	1.70E-05	1.26E-06	5.66E-06	9.36E-06	3.10E-07
1661	741474.54	4108723.14	6.62E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.68E-06	9.39E-06	3.11E-07
1662	741498.17	4108718.78	6.65E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
1663	741521.81	4108714.43	6.69E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.49E-06	3.15E-07
1664	741545.44	4108710.07	6.74E-05	1.23E-04	6.74E-06	1.05E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.28E-06	5.77E-06	9.55E-06	3.17E-07
1665	741569.07	4108705.71	6.79E-05	1.24E-04	6.79E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
1666	741592.7	4108701.36	6.85E-05	1.25E-04	6.85E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.87E-06	9.71E-06	3.22E-07
1667	741616.34	4108697	6.91E-05	1.26E-04	6.91E-06	1.07E-05	2.06E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.92E-06	9.80E-06	3.25E-07
1668	741639.97	4108692.64	6.97E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.97E-06	9.88E-06	3.28E-07
1669	741663.6	4108688.29	7.03E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.97E-06	3.31E-07
1670	741687.23	4108683.93	7.10E-05	1.29E-04	7.10E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.82E-05	1.35E-06	6.08E-06	1.01E-05	3.34E-07
1671	741710.87	4108679.57	7.16E-05	1.31E-04	7.17E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.14E-06	1.02E-05	3.37E-07
1672	741734.5	4108675.21	7.22E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
1673	741758.13	4108670.86	7.29E-05	1.33E-04	7.29E-06	1.13E-05	2.18E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.24E-06	1.03E-05	3.42E-07
1674	741781.76	4108666.5	7.35E-05	1.34E-04	7.35E-06	1.14E-05	2.20E-05	1.10E-06	1.11E-05	1.89E-05	1.40E-06	6.30E-06	1.04E-05	3.45E-07
1675	741805.39	4108662.14	7.41E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.35E-06	1.05E-05	3.48E-07
1676	741829.03	4108657.79	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
1677	741852.66	4108653.43	7.54E-05	1.37E-04	7.55E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.46E-06	1.07E-05	3.54E-07
1678	741876.29	4108649.07	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
1679	741899.92	4108644.72	7.68E-05	1.40E-04	7.69E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
1680	741923.56	4108640.36	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
1681	741947.19	4108636	7.81E-05	1.42E-04	7.82E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.67E-07
1682	741970.82	4108631.65	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
1683	741994.45	4108627.29	7.91E-05	1.44E-04	7.92E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
1684	742018.09	4108622.93	7.95E-05	1.45E-04	7.95E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.81E-06	1.13E-05	3.73E-07
1685	742041.72	4108618.58	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
1686	742065.35	4108614.22	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
1687	742088.98	4108609.86	7.99E-05	1.46E-04	7.99E-06	1.24E-05	2.39E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.85E-06	1.13E-05	3.75E-07
1688	742112.62	4108605.51	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1689	742136.25	4108601.15	8.01E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.86E-06	1.14E-05	3.76E-07
1690	742159.88	4108596.79	8.03E-05	1.46E-04	8.03E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.06E-05	1.53E-06	6.88E-06	1.14E-05	3.77E-07
1691	742183.51	4108592.44	8.06E-05	1.47E-04	8.07E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.07E-05	1.54E-06	6.91E-06	1.14E-05	3.79E-07
1692	742207.15	4108588.08	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
1693	742230.78	4108583.72	8.18E-05	1.49E-04	8.18E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.01E-06	1.16E-05	3.84E-07
1694	742254.41	4108579.37	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.12E-05	1.57E-06	7.08E-06	1.17E-05	3.88E-07
1695	742278.04	4108575.01	8.35E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.93E-07
1696	742301.68	4108570.65	8.45E-05	1.54E-04	8.45E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.24E-06	1.20E-05	3.97E-07
1697	742325.31	4108566.29	8.55E-05	1.56E-04	8.55E-06	1.33E-05	2.55E-05	1.28E-06	1.29E-05	2.20E-05	1.63E-06	7.32E-06	1.21E-05	4.02E-07
1698	742368.84	4108575.41	8.89E-05	1.62E-04	8.89E-06	1.38E-05	2.66E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.62E-06	1.26E-05	4.18E-07
1699	742388.74	4108588.88	9.13E-05	1.66E-04	9.13E-06	1.42E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.82E-06	1.29E-05	4.29E-07
1700	742408.64	4108602.35	9.35E-05	1.70E-04	9.35E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.01E-06	1.33E-05	4.39E-07
1701	742428.54	4108615.82	9.54E-05	1.74E-04	9.55E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.18E-06	1.35E-05	4.49E-07
1702	742448.45	4108629.29	9.71E-05	1.77E-04	9.72E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.50E-05	1.85E-06	8.32E-06	1.38E-05	4.57E-07
1703	742468.35	4108642.75	9.86E-05	1.80E-04	9.87E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.45E-06	1.40E-05	4.63E-07
1704	742488.25	4108656.22	9.99E-05	1.82E-04	9.99E-06	1.55E-05	2.98E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.69E-07
1705	742508.15	4108669.69	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
1706	742528.05	4108683.16	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
1707	742547.95	4108696.63	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
1708	742567.85	4108710.1	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.91E-07
1709	742587.75	4108723.57	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.59E-05	2.72E-05	2.01E-06	9.06E-06	1.50E-05	4.97E-07
1710	742607.65	4108737.04	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.76E-05	2.04E-06	9.19E-06	1.52E-05	5.04E-07
1711	742627.55	4108750.51	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.25E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.33E-06	1.54E-05	5.12E-07
1712	742647.45	4108763.98	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.67E-06	1.67E-05	2.85E-05	2.11E-06	9.51E-06	1.57E-05	5.21E-07
1713	742667.36	4108777.45	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.72E-06	1.61E-05	5.33E-07
1714	742687.26	4108790.92	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.99E-05	2.21E-06	9.96E-06	1.65E-05	5.46E-07
1715	742707.16	4108804.39	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.57E-05	1.80E-06	1.80E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.62E-07
1716	742727.06	4108817.86	1.24E-04	2.25E-04	1.24E-05	1.92E-05	3.69E-05	1.86E-06	1.86E-05	3.18E-05	2.36E-06	1.06E-05	1.75E-05	5.81E-07
1717	742746.96	4108831.33	1.28E-04	2.34E-04	1.28E-05	1.99E-05	3.83E-05	1.92E-06	1.93E-05	3.29E-05	2.44E-06	1.10E-05	1.82E-05	6.02E-07
1718	742766.86	4108844.8	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.98E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.26E-07
1719	742786.76	4108858.27	1.39E-04	2.53E-04	1.39E-05	2.15E-05	4.15E-05	2.08E-06	2.09E-05	3.57E-05	2.65E-06	1.19E-05	1.97E-05	6.53E-07
1720	742806.66	4108871.74	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.82E-07
1721	742826.56	4108885.2	1.51E-04	2.76E-04	1.52E-05	2.35E-05	4.53E-05	2.27E-06	2.28E-05	3.89E-05	2.89E-06	1.30E-05	2.15E-05	7.12E-07
1722	742846.46	4108898.67	1.58E-04	2.88E-04	1.58E-05	2.45E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.24E-05	7.44E-07
1723	742866.36	4108912.14	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.94E-05	2.48E-06	2.49E-05	4.25E-05	3.15E-06	1.42E-05	2.34E-05	7.77E-07
1724	742886.27	4108925.61	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.15E-05	2.59E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.10E-07

1725	742906.17	4108939.08	1.79E-04	3.27E-04	1.79E-05	2.78E-05	5.36E-05	2.69E-06	2.70E-05	4.61E-05	3.42E-06	1.54E-05	2.54E-05	8.43E-07
1726	742926.07	4108952.55	1.86E-04	3.39E-04	1.86E-05	2.88E-05	5.56E-05	2.79E-06	2.81E-05	4.78E-05	3.54E-06	1.59E-05	2.64E-05	8.74E-07
1727	742945.97	4108966.02	1.92E-04	3.50E-04	1.92E-05	2.98E-05	5.74E-05	2.89E-06	2.90E-05	4.94E-05	3.66E-06	1.65E-05	2.73E-05	9.03E-07
1728	742965.87	4108979.49	1.99E-04	3.62E-04	1.99E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.10E-05	3.78E-06	1.70E-05	2.81E-05	9.33E-07
1729	742985.77	4108992.96	2.04E-04	3.72E-04	2.04E-05	3.16E-05	6.10E-05	3.06E-06	3.08E-05	5.25E-05	3.89E-06	1.75E-05	2.89E-05	9.59E-07
1730	743005.67	4109006.43	2.09E-04	3.81E-04	2.09E-05	3.24E-05	6.24E-05	3.13E-06	3.15E-05	5.37E-05	3.98E-06	1.79E-05	2.96E-05	9.82E-07
1731	743025.57	4109019.9	2.13E-04	3.87E-04	2.13E-05	3.30E-05	6.35E-05	3.19E-06	3.21E-05	5.47E-05	4.05E-06	1.82E-05	3.01E-05	9.99E-07
1732	743045.47	4109033.37	2.16E-04	3.94E-04	2.16E-05	3.35E-05	6.45E-05	3.24E-06	3.26E-05	5.55E-05	4.12E-06	1.85E-05	3.06E-05	1.02E-06
1733	743065.37	4109046.84	2.19E-04	4.00E-04	2.19E-05	3.40E-05	6.55E-05	3.29E-06	3.31E-05	5.64E-05	4.18E-06	1.88E-05	3.11E-05	1.03E-06
1734	743085.27	4109060.31	2.22E-04	4.05E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.71E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
1735	743105.18	4109073.78	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
1736	743125.08	4109087.25	2.27E-04	4.13E-04	2.27E-05	3.52E-05	6.78E-05	3.40E-06	3.42E-05	5.83E-05	4.32E-06	1.94E-05	3.22E-05	1.07E-06
1737	743144.98	4109100.72	2.29E-04	4.17E-04	2.29E-05	3.55E-05	6.84E-05	3.44E-06	3.45E-05	5.89E-05	4.36E-06	1.96E-05	3.25E-05	1.08E-06
1738	741380.01	4108740.57	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.93E-06	1.69E-05	1.26E-06	5.64E-06	9.34E-06	3.10E-07
1739	741359.37	4108753.82	6.67E-05	1.22E-04	6.68E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.72E-06	9.46E-06	3.14E-07
1740	741338.73	4108767.08	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
1741	741318.1	4108780.34	6.88E-05	1.25E-04	6.88E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.75E-06	3.23E-07
1742	741297.46	4108793.59	6.99E-05	1.27E-04	7.00E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.29E-07
1743	741276.82	4108806.85	7.11E-05	1.30E-04	7.12E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.09E-06	1.01E-05	3.34E-07
1744	741256.18	4108820.11	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
1745	741295.71	4108567.91	5.33E-05	9.71E-05	5.33E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.50E-07
1746	741319.5	4108563.52	5.33E-05	9.72E-05	5.34E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.51E-07
1747	741343.28	4108559.14	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
1748	741367.07	4108554.75	5.35E-05	9.75E-05	5.35E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.58E-06	7.59E-06	2.51E-07
1749	741390.86	4108550.36	5.37E-05	9.78E-05	5.37E-06	8.32E-06	1.60E-05	8.05E-07	8.09E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
1750	741414.65	4108545.98	5.39E-05	9.81E-05	5.39E-06	8.35E-06	1.61E-05	8.08E-07	8.12E-06	1.38E-05	1.03E-06	4.61E-06	7.64E-06	2.53E-07
1751	741438.43	4108541.59	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
1752	741462.22	4108537.21	5.44E-05	9.91E-05	5.44E-06	8.44E-06	1.63E-05	8.17E-07	8.21E-06	1.40E-05	1.04E-06	4.66E-06	7.71E-06	2.56E-07
1753	741486.01	4108532.82	5.48E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.77E-06	2.57E-07
1754	741509.79	4108528.44	5.52E-05	1.01E-04	5.52E-06	8.55E-06	1.65E-05	8.28E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.82E-06	2.59E-07
1755	741533.58	4108524.05	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
1756	741557.37	4108519.67	5.61E-05	1.02E-04	5.61E-06	8.70E-06	1.68E-05	8.42E-07	8.46E-06	1.44E-05	1.07E-06	4.80E-06	7.95E-06	2.64E-07
1757	741581.16	4108515.28	5.66E-05	1.03E-04	5.66E-06	8.77E-06	1.69E-05	8.49E-07	8.53E-06	1.45E-05	1.08E-06	4.85E-06	8.02E-06	2.66E-07
1758	741604.94	4108510.9	5.71E-05	1.04E-04	5.71E-06	8.85E-06	1.70E-05	8.56E-07	8.60E-06	1.47E-05	1.09E-06	4.89E-06	8.09E-06	2.68E-07
1759	741628.73	4108506.51	5.76E-05	1.05E-04	5.76E-06	8.93E-06	1.72E-05	8.64E-07	8.68E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.71E-07
1760	741652.52	4108502.13	5.80E-05	1.06E-04	5.81E-06	9.00E-06	1.73E-05	8.71E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.23E-06	2.73E-07
1761	741676.3	4108497.74	5.85E-05	1.07E-04	5.85E-06	9.07E-06	1.75E-05	8.78E-07	8.82E-06	1.50E-05	1.11E-06	5.01E-06	8.30E-06	2.75E-07
1762	741700.09	4108493.36	5.90E-05	1.07E-04	5.90E-06	9.14E-06	1.76E-05	8.85E-07	8.89E-06	1.52E-05	1.12E-06	5.05E-06	8.36E-06	2.77E-07
1763	741723.88	4108488.97	5.94E-05	1.08E-04	5.94E-06	9.21E-06	1.77E-05	8.91E-07	8.96E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
1764	741747.67	4108484.58	5.98E-05	1.09E-04	5.98E-06	9.28E-06	1.79E-05	8.98E-07	9.02E-06	1.54E-05	1.14E-06	5.13E-06	8.48E-06	2.81E-07
1765	741771.45	4108480.2	6.02E-05	1.10E-04	6.03E-06	9.34E-06	1.80E-05	9.04E-07	9.09E-06	1.55E-05	1.15E-06	5.16E-06	8.54E-06	2.83E-07
1766	741795.24	4108475.81	6.07E-05	1.11E-04	6.07E-06	9.41E-06	1.81E-05	9.11E-07	9.15E-06	1.56E-05	1.16E-06	5.20E-06	8.61E-06	2.85E-07
1767	741819.03	4108471.43	6.12E-05	1.11E-04	6.12E-06	9.48E-06	1.83E-05	9.18E-07	9.22E-06	1.57E-05	1.17E-06	5.24E-06	8.67E-06	2.87E-07
1768	741842.81	4108467.04	6.17E-05	1.12E-04	6.17E-06	9.56E-06	1.84E-05	9.25E-07	9.30E-06	1.58E-05	1.17E-06	5.28E-06	8.74E-06	2.90E-07
1769	741866.6	4108462.66	6.22E-05	1.13E-04	6.22E-06	9.64E-06	1.86E-05	9.33E-07	9.38E-06	1.60E-05	1.18E-06	5.33E-06	8.82E-06	2.92E-07
1770	741890.39	4108458.27	6.27E-05	1.14E-04	6.27E-06	9.72E-06	1.87E-05	9.41E-07	9.46E-06	1.61E-05	1.19E-06	5.37E-06	8.89E-06	2.95E-07
1771	741914.17	4108453.89	6.32E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
1772	741937.96	4108449.5	6.37E-05	1.16E-04	6.38E-06	9.89E-06	1.90E-05	9.57E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.04E-06	3.00E-07
1773	741961.75	4108445.12	6.42E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.68E-06	1.65E-05	1.22E-06	5.50E-06	9.10E-06	3.02E-07
1774	741985.54	4108440.73	6.46E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.74E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
1775	742009.32	4108436.35	6.48E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.78E-06	1.67E-05	1.24E-06	5.55E-06	9.19E-06	3.05E-07
1776	742033.11	4108431.96	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.76E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.05E-07
1777	742056.9	4108427.58	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
1778	742080.68	4108423.19	6.51E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.78E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.24E-06	3.06E-07
1779	742104.47	4108418.8	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
1780	742128.26	4108414.42	6.50E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
1781	742152.05	4108410.03	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.05E-07
1782	742175.83	4108405.65	6.50E-05	1.18E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
1783	742199.62	4108401.26	6.51E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
1784	742223.41	4108396.88	6.54E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.81E-07	9.86E-06	1.68E-05	1.25E-06	5.60E-06	9.27E-06	3.07E-07
1785	742247.19	4108392.49	6.57E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.91E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
1786	742270.98	4108388.11	6.63E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.68E-06	9.39E-06	3.11E-07
1787	742294.77	4108383.72	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
1788	742318.56	4108379.34	6.76E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.59E-06	3.18E-07
1789	742342.34	4108374.95	6.84E-05	1.25E-04	6.85E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.86E-06	9.70E-06	3.22E-07
1790	742366.13	4108370.57	6.93E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.94E-06	9.82E-06	3.26E-07
1791	742409.95	4108379.74	7.21E-05	1.31E-04	7.22E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
1792	742429.98	4108393.3	7.41E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.35E-06	1.05E-05	3.48E-07
1793	742450.01	4108406.85	7.59E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.45E-06	6.50E-06	1.08E-05	3.57E-07
1794	742470.04	4108420.41	7.75E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
1795	742490.07	4108433.97	7.90E-05	1.44E-04	7.90E-06	1.22E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.50E-06	6.77E-06	1.12E-05	3.71E-07
1796	742510.1	4108447.53	8.01E-05	1.46E-04	8.02E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07

1797	742530.14	4108461.08	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
1798	742550.17	4108474.64	8.19E-05	1.49E-04	8.19E-06	1.27E-05	2.45E-05	1.23E-06	1.23E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
1799	742570.2	4108488.2	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
1800	742590.23	4108501.76	8.31E-05	1.51E-04	8.32E-06	1.29E-05	2.48E-05	1.25E-06	1.25E-05	2.14E-05	1.58E-06	7.12E-06	1.18E-05	3.91E-07
1801	742610.26	4108515.31	8.37E-05	1.52E-04	8.37E-06	1.30E-05	2.50E-05	1.26E-06	1.26E-05	2.15E-05	1.59E-06	7.17E-06	1.19E-05	3.93E-07
1802	742630.29	4108528.87	8.42E-05	1.53E-04	8.43E-06	1.31E-05	2.52E-05	1.26E-06	1.27E-05	2.17E-05	1.61E-06	7.22E-06	1.19E-05	3.96E-07
1803	742650.32	4108542.43	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
1804	742670.35	4108555.99	8.57E-05	1.56E-04	8.58E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.20E-05	1.63E-06	7.35E-06	1.22E-05	4.03E-07
1805	742690.39	4108569.55	8.67E-05	1.58E-04	8.68E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.07E-07
1806	742710.42	4108583.1	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
1807	742730.45	4108596.66	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
1808	742750.48	4108610.22	9.10E-05	1.66E-04	9.10E-06	1.41E-05	2.72E-05	1.37E-06	1.37E-05	2.34E-05	1.73E-06	7.80E-06	1.29E-05	4.28E-07
1809	742770.51	4108623.78	9.30E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.97E-06	1.32E-05	4.37E-07
1810	742790.54	4108637.33	9.53E-05	1.74E-04	9.54E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.17E-06	1.35E-05	4.48E-07
1811	742810.57	4108650.89	9.80E-05	1.79E-04	9.81E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.40E-06	1.39E-05	4.61E-07
1812	742830.6	4108664.45	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
1813	742850.64	4108678.01	1.05E-04	1.91E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
1814	742870.67	4108691.56	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.24E-05	1.63E-06	1.63E-05	2.78E-05	2.06E-06	9.28E-06	1.54E-05	5.09E-07
1815	742890.7	4108705.12	1.12E-04	2.05E-04	1.12E-05	1.74E-05	3.36E-05	1.69E-06	1.69E-05	2.89E-05	2.14E-06	9.63E-06	1.59E-05	5.28E-07
1816	742910.73	4108718.68	1.17E-04	2.13E-04	1.17E-05	1.81E-05	3.49E-05	1.75E-06	1.76E-05	3.00E-05	2.23E-06	1.00E-05	1.66E-05	5.49E-07
1817	742930.76	4108732.24	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
1818	742950.79	4108745.79	1.26E-04	2.30E-04	1.26E-05	1.96E-05	3.77E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.93E-07
1819	742970.82	4108759.35	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.92E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
1820	742990.85	4108772.91	1.36E-04	2.48E-04	1.36E-05	2.11E-05	4.07E-05	2.04E-06	2.05E-05	3.50E-05	2.59E-06	1.17E-05	1.93E-05	6.40E-07
1821	743010.89	4108786.47	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
1822	743030.92	4108800.02	1.46E-04	2.66E-04	1.46E-05	2.27E-05	4.37E-05	2.19E-06	2.20E-05	3.76E-05	2.79E-06	1.25E-05	2.07E-05	6.87E-07
1823	743050.95	4108813.58	1.51E-04	2.75E-04	1.51E-05	2.34E-05	4.51E-05	2.26E-06	2.28E-05	3.88E-05	2.88E-06	1.29E-05	2.14E-05	7.09E-07
1824	743070.98	4108827.14	1.55E-04	2.83E-04	1.55E-05	2.41E-05	4.64E-05	2.33E-06	2.34E-05	3.99E-05	2.96E-06	1.33E-05	2.20E-05	7.30E-07
1825	743091.01	4108840.7	1.59E-04	2.90E-04	1.59E-05	2.47E-05	4.76E-05	2.39E-06	2.40E-05	4.09E-05	3.03E-06	1.36E-05	2.26E-05	7.48E-07
1826	743111.04	4108854.26	1.63E-04	2.97E-04	1.63E-05	2.52E-05	4.86E-05	2.44E-06	2.45E-05	4.18E-05	3.10E-06	1.39E-05	2.31E-05	7.65E-07
1827	743131.07	4108867.81	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
1828	743151.1	4108881.37	1.69E-04	3.07E-04	1.69E-05	2.61E-05	5.04E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.92E-07
1829	743171.13	4108894.93	1.71E-04	3.12E-04	1.71E-05	2.65E-05	5.11E-05	2.57E-06	2.58E-05	4.40E-05	3.26E-06	1.47E-05	2.43E-05	8.04E-07
1830	743191.17	4108908.49	1.73E-04	3.16E-04	1.73E-05	2.69E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.46E-05	8.14E-07
1831	743211.2	4108922.04	1.75E-04	3.19E-04	1.75E-05	2.71E-05	5.23E-05	2.63E-06	2.64E-05	4.50E-05	3.34E-06	1.50E-05	2.48E-05	8.23E-07
1832	743231.23	4108935.6	1.77E-04	3.22E-04	1.77E-05	2.74E-05	5.28E-05	2.65E-06	2.67E-05	4.54E-05	3.37E-06	1.51E-05	2.51E-05	8.31E-07
1833	743251.26	4108949.16	1.79E-04	3.25E-04	1.79E-05	2.77E-05	5.33E-05	2.68E-06	2.69E-05	4.59E-05	3.40E-06	1.53E-05	2.53E-05	8.39E-07
1834	743271.29	4108962.72	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.38E-05	2.70E-06	2.72E-05	4.63E-05	3.43E-06	1.54E-05	2.56E-05	8.47E-07
1835	743291.32	4108976.27	1.82E-04	3.31E-04	1.82E-05	2.82E-05	5.43E-05	2.73E-06	2.74E-05	4.68E-05	3.47E-06	1.56E-05	2.58E-05	8.55E-07
1836	743311.35	4108989.83	1.83E-04	3.34E-04	1.84E-05	2.85E-05	5.48E-05	2.75E-06	2.77E-05	4.72E-05	3.50E-06	1.57E-05	2.60E-05	8.62E-07
1837	741271.92	4108572.29	5.33E-05	9.72E-05	5.34E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.51E-07
1838	741251.28	4108585.55	5.40E-05	9.83E-05	5.40E-06	8.37E-06	1.61E-05	8.10E-07	8.14E-06	1.39E-05	1.03E-06	4.62E-06	7.65E-06	2.54E-07
1839	741230.65	4108598.8	5.46E-05	9.96E-05	5.47E-06	8.47E-06	1.63E-05	8.20E-07	8.24E-06	1.40E-05	1.04E-06	4.68E-06	7.75E-06	2.57E-07
1840	741210.01	4108612.06	5.54E-05	1.01E-04	5.55E-06	8.60E-06	1.66E-05	8.32E-07	8.36E-06	1.42E-05	1.06E-06	4.75E-06	7.86E-06	2.60E-07
1841	741189.37	4108625.32	5.63E-05	1.03E-04	5.63E-06	8.73E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.82E-06	7.98E-06	2.65E-07
1842	741168.73	4108638.57	5.72E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.12E-06	2.69E-07
1843	741148.09	4108651.83	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.74E-07	8.79E-06	1.50E-05	1.11E-06	4.99E-06	8.26E-06	2.74E-07
1844	741079.75	4108231.31	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.62E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.31E-06	1.76E-07
1845	741103.75	4108226.89	3.75E-05	6.83E-05	3.75E-06	5.81E-06	1.12E-05	5.62E-07	5.65E-06	9.63E-06	7.14E-07	3.21E-06	5.31E-06	1.76E-07
1846	741127.75	4108222.46	3.76E-05	6.84E-05	3.76E-06	5.83E-06	1.12E-05	5.64E-07	5.66E-06	9.66E-06	7.16E-07	3.22E-06	5.33E-06	1.77E-07
1847	741151.75	4108218.04	3.77E-05	6.87E-05	3.77E-06	5.84E-06	1.13E-05	5.65E-07	5.68E-06	9.68E-06	7.18E-07	3.23E-06	5.34E-06	1.77E-07
1848	741175.76	4108213.61	3.78E-05	6.89E-05	3.78E-06	5.86E-06	1.13E-05	5.67E-07	5.70E-06	9.72E-06	7.20E-07	3.24E-06	5.36E-06	1.78E-07
1849	741199.76	4108209.19	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.75E-06	7.23E-07	3.25E-06	5.38E-06	1.78E-07
1850	741223.76	4108204.76	3.81E-05	6.93E-05	3.81E-06	5.90E-06	1.14E-05	5.71E-07	5.74E-06	9.78E-06	7.25E-07	3.26E-06	5.40E-06	1.79E-07
1851	741247.76	4108200.34	3.82E-05	6.96E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.76E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
1852	741271.76	4108195.91	3.83E-05	6.98E-05	3.83E-06	5.94E-06	1.14E-05	5.75E-07	5.78E-06	9.85E-06	7.30E-07	3.28E-06	5.43E-06	1.80E-07
1853	741295.77	4108191.49	3.84E-05	7.00E-05	3.85E-06	5.96E-06	1.15E-05	5.77E-07	5.80E-06	9.88E-06	7.32E-07	3.29E-06	5.45E-06	1.81E-07
1854	741319.77	4108187.06	3.86E-05	7.03E-05	3.86E-06	5.98E-06	1.15E-05	5.79E-07	5.82E-06	9.91E-06	7.35E-07	3.30E-06	5.47E-06	1.81E-07
1855	741343.77	4108182.64	3.87E-05	7.06E-05	3.87E-06	6.00E-06	1.16E-05	5.81E-07	5.84E-06	9.95E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
1856	741367.77	4108178.21	3.89E-05	7.09E-05	3.89E-06	6.03E-06	1.16E-05	5.84E-07	5.86E-06	1.00E-05	7.41E-07	3.33E-06	5.51E-06	1.83E-07
1857	741391.77	4108173.79	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
1858	741415.78	4108169.36	3.93E-05	7.17E-05	3.93E-06	6.10E-06	1.17E-05	5.90E-07	5.93E-06	1.01E-05	7.49E-07	3.37E-06	5.58E-06	1.85E-07
1859	741439.78	4108164.94	3.96E-05	7.21E-05	3.96E-06	6.14E-06	1.18E-05	5.94E-07	5.97E-06	1.02E-05	7.54E-07	3.39E-06	5.61E-06	1.86E-07
1860	741463.78	4108160.51	3.99E-05	7.27E-05	3.99E-06	6.18E-06	1.19E-05	5.99E-07	6.01E-06	1.03E-05	7.60E-07	3.42E-06	5.65E-06	1.87E-07
1861	741487.78	4108156.09	4.02E-05	7.33E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
1862	741511.79	4108151.67	4.05E-05	7.39E-05	4.06E-06	6.29E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.75E-06	1.91E-07
1863	741535.79	4108147.24	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.16E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
1864	741559.79	4108142.82	4.12E-05	7.51E-05	4.13E-06	6.39E-06	1.23E-05	6.19E-07	6.22E-06	1.06E-05	7.86E-07	3.53E-06	5.85E-06	1.94E-07
1865	741583.79	4108138.39	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
1866	741607.79	4108133.97	4.19E-05	7.63E-05	4.19E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.98E-07	3.59E-06	5.94E-06	1.97E-07
1867	741631.8	4108129.54	4.22E-05	7.69E-05	4.22E-06	6.54E-06	1.26E-05	6.33E-07	6.36E-06	1.08E-05	8.04E-07	3.62E-06	5.98E-06	1.98E-07
1868	741655.8	4108125.12	4.25E-05	7.74E-05	4.25E-06	6.59E-06	1.27E-05	6.37E-07	6.40E-06	1.09E-05	8.09E-07	3.64E-06	6.02E-06	2.00E-07

1869	741679.8	4108120.69	4.27E-05	7.79E-05	4.28E-06	6.63E-06	1.28E-05	6.41E-07	6.44E-06	1.10E-05	8.14E-07	3.66E-06	6.06E-06	2.01E-07
1870	741703.8	4108116.27	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
1871	741727.8	4108111.84	4.32E-05	7.87E-05	4.32E-06	6.70E-06	1.29E-05	6.48E-07	6.51E-06	1.11E-05	8.23E-07	3.70E-06	6.12E-06	2.03E-07
1872	741751.81	4108107.42	4.34E-05	7.91E-05	4.34E-06	6.73E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.27E-07	3.72E-06	6.15E-06	2.04E-07
1873	741775.81	4108102.99	4.36E-05	7.95E-05	4.37E-06	6.77E-06	1.30E-05	6.55E-07	6.58E-06	1.12E-05	8.32E-07	3.74E-06	6.19E-06	2.05E-07
1874	741799.81	4108098.57	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.37E-07	3.76E-06	6.22E-06	2.06E-07
1875	741823.81	4108094.14	4.42E-05	8.05E-05	4.42E-06	6.85E-06	1.32E-05	6.63E-07	6.66E-06	1.14E-05	8.42E-07	3.79E-06	6.26E-06	2.08E-07
1876	741847.82	4108089.72	4.45E-05	8.10E-05	4.45E-06	6.90E-06	1.33E-05	6.67E-07	6.71E-06	1.14E-05	8.47E-07	3.81E-06	6.30E-06	2.09E-07
1877	741871.82	4108085.29	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
1878	741895.82	4108080.87	4.51E-05	8.22E-05	4.51E-06	6.99E-06	1.35E-05	6.77E-07	6.80E-06	1.16E-05	8.59E-07	3.86E-06	6.39E-06	2.12E-07
1879	741919.82	4108076.44	4.54E-05	8.28E-05	4.54E-06	7.04E-06	1.36E-05	6.82E-07	6.85E-06	1.17E-05	8.65E-07	3.89E-06	6.44E-06	2.13E-07
1880	741943.82	4108072.02	4.57E-05	8.33E-05	4.58E-06	7.09E-06	1.37E-05	6.86E-07	6.90E-06	1.18E-05	8.71E-07	3.92E-06	6.48E-06	2.15E-07
1881	741967.83	4108067.59	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
1882	741991.83	4108063.17	4.62E-05	8.43E-05	4.63E-06	7.17E-06	1.38E-05	6.94E-07	6.97E-06	1.19E-05	8.81E-07	3.96E-06	6.56E-06	2.17E-07
1883	742015.83	4108058.74	4.64E-05	8.46E-05	4.65E-06	7.20E-06	1.39E-05	6.97E-07	7.00E-06	1.19E-05	8.85E-07	3.98E-06	6.58E-06	2.18E-07
1884	742039.83	4108054.32	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
1885	742063.83	4108049.89	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
1886	742087.84	4108045.47	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
1887	742111.84	4108041.04	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
1888	742135.84	4108036.62	4.64E-05	8.46E-05	4.65E-06	7.20E-06	1.39E-05	6.97E-07	7.00E-06	1.19E-05	8.85E-07	3.98E-06	6.58E-06	2.18E-07
1889	742159.84	4108032.19	4.63E-05	8.44E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.82E-07	3.97E-06	6.56E-06	2.18E-07
1890	742183.85	4108027.77	4.61E-05	8.41E-05	4.62E-06	7.15E-06	1.38E-05	6.92E-07	6.96E-06	1.19E-05	8.79E-07	3.95E-06	6.54E-06	2.17E-07
1891	742207.85	4108023.34	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.76E-07	3.94E-06	6.52E-06	2.16E-07
1892	742231.85	4108018.92	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
1893	742255.85	4108014.49	4.58E-05	8.35E-05	4.59E-06	7.11E-06	1.37E-05	6.88E-07	6.91E-06	1.18E-05	8.74E-07	3.93E-06	6.50E-06	2.15E-07
1894	742279.85	4108010.07	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.74E-07	3.93E-06	6.51E-06	2.16E-07
1895	742303.86	4108005.64	4.60E-05	8.38E-05	4.60E-06	7.14E-06	1.37E-05	6.91E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
1896	742327.86	4108001.22	4.62E-05	8.43E-05	4.63E-06	7.17E-06	1.38E-05	6.94E-07	6.97E-06	1.19E-05	8.81E-07	3.96E-06	6.56E-06	2.17E-07
1897	742351.86	4107996.79	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	6.99E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
1898	742375.86	4107992.37	4.70E-05	8.57E-05	4.71E-06	7.29E-06	1.40E-05	7.06E-07	7.09E-06	1.21E-05	8.96E-07	4.03E-06	6.67E-06	2.21E-07
1899	742399.87	4107987.94	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.17E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
1900	742423.87	4107983.52	4.82E-05	8.78E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.27E-06	1.24E-05	9.18E-07	4.13E-06	6.83E-06	2.26E-07
1901	742447.87	4107979.09	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
1902	742492.08	4107988.35	5.09E-05	9.28E-05	5.10E-06	7.90E-06	1.52E-05	7.65E-07	7.68E-06	1.31E-05	9.71E-07	4.36E-06	7.22E-06	2.39E-07
1903	742512.3	4108002.03	5.23E-05	9.53E-05	5.23E-06	8.11E-06	1.56E-05	7.85E-07	7.89E-06	1.34E-05	9.97E-07	4.48E-06	7.42E-06	2.46E-07
1904	742532.51	4108015.71	5.36E-05	9.77E-05	5.37E-06	8.32E-06	1.60E-05	8.05E-07	8.09E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
1905	742552.72	4108029.39	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.28E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
1906	742572.93	4108043.07	5.60E-05	1.02E-04	5.60E-06	8.68E-06	1.67E-05	8.40E-07	8.44E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
1907	742593.15	4108056.75	5.69E-05	1.04E-04	5.70E-06	8.83E-06	1.70E-05	8.54E-07	8.58E-06	1.46E-05	1.08E-06	4.88E-06	8.07E-06	2.68E-07
1908	742613.36	4108070.43	5.77E-05	1.05E-04	5.77E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.94E-06	8.18E-06	2.71E-07
1909	742633.57	4108084.11	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
1910	742653.78	4108097.79	5.87E-05	1.07E-04	5.88E-06	9.11E-06	1.75E-05	8.82E-07	8.86E-06	1.51E-05	1.12E-06	5.03E-06	8.33E-06	2.76E-07
1911	742673.99	4108111.47	5.90E-05	1.08E-04	5.90E-06	9.15E-06	1.76E-05	8.86E-07	8.90E-06	1.52E-05	1.12E-06	5.06E-06	8.37E-06	2.77E-07
1912	742694.21	4108125.15	5.92E-05	1.08E-04	5.92E-06	9.17E-06	1.77E-05	8.88E-07	8.92E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
1913	742714.42	4108138.83	5.92E-05	1.08E-04	5.93E-06	9.19E-06	1.77E-05	8.89E-07	8.93E-06	1.52E-05	1.13E-06	5.08E-06	8.40E-06	2.78E-07
1914	742734.63	4108152.51	5.93E-05	1.08E-04	5.93E-06	9.20E-06	1.77E-05	8.90E-07	8.94E-06	1.52E-05	1.13E-06	5.08E-06	8.41E-06	2.79E-07
1915	742754.84	4108166.19	5.94E-05	1.08E-04	5.94E-06	9.21E-06	1.77E-05	8.91E-07	8.95E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
1916	742775.06	4108179.87	5.95E-05	1.08E-04	5.95E-06	9.22E-06	1.78E-05	8.93E-07	8.97E-06	1.53E-05	1.13E-06	5.10E-06	8.43E-06	2.80E-07
1917	742795.27	4108193.55	5.97E-05	1.09E-04	5.97E-06	9.25E-06	1.78E-05	8.96E-07	9.00E-06	1.53E-05	1.14E-06	5.11E-06	8.46E-06	2.80E-07
1918	742815.48	4108207.23	6.01E-05	1.09E-04	6.01E-06	9.31E-06	1.79E-05	9.01E-07	9.06E-06	1.54E-05	1.14E-06	5.15E-06	8.52E-06	2.82E-07
1919	742835.69	4108220.91	6.05E-05	1.10E-04	6.06E-06	9.39E-06	1.81E-05	9.09E-07	9.13E-06	1.56E-05	1.15E-06	5.19E-06	8.58E-06	2.84E-07
1920	742855.9	4108234.59	6.12E-05	1.11E-04	6.12E-06	9.48E-06	1.83E-05	9.18E-07	9.22E-06	1.57E-05	1.17E-06	5.24E-06	8.67E-06	2.87E-07
1921	742876.12	4108248.27	6.19E-05	1.13E-04	6.20E-06	9.60E-06	1.85E-05	9.29E-07	9.34E-06	1.59E-05	1.18E-06	5.31E-06	8.78E-06	2.91E-07
1922	742896.33	4108261.95	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
1923	742916.54	4108275.63	6.38E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
1924	742936.75	4108289.31	6.50E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
1925	742956.97	4108302.99	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.69E-06	9.41E-06	3.12E-07
1926	742977.18	4108316.67	6.78E-05	1.24E-04	6.79E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.62E-06	3.19E-07
1927	742997.39	4108330.35	6.95E-05	1.27E-04	6.95E-06	1.08E-05	2.07E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.95E-06	9.85E-06	3.26E-07
1928	743017.6	4108344.03	7.13E-05	1.30E-04	7.13E-06	1.10E-05	2.13E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
1929	743037.82	4108357.71	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
1930	743058.03	4108371.39	7.52E-05	1.37E-04	7.53E-06	1.17E-05	2.25E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.45E-06	1.07E-05	3.54E-07
1931	743078.24	4108385.07	7.74E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.63E-06	1.10E-05	3.64E-07
1932	743098.45	4108398.75	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
1933	743118.66	4108412.43	8.22E-05	1.50E-04	8.22E-06	1.27E-05	2.46E-05	1.23E-06	1.24E-05	2.11E-05	1.57E-06	7.04E-06	1.17E-05	3.86E-07
1934	743138.88	4108426.11	8.47E-05	1.54E-04	8.48E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.26E-06	1.20E-05	3.98E-07
1935	743159.09	4108439.79	8.74E-05	1.59E-04	8.74E-06	1.35E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.66E-06	7.49E-06	1.24E-05	4.11E-07
1936	743179.3	4108453.47	9.01E-05	1.64E-04	9.02E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.72E-06	1.28E-05	4.24E-07
1937	743199.51	4108467.15	9.29E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.96E-06	1.32E-05	4.37E-07
1938	743219.73	4108480.83	9.57E-05	1.74E-04	9.58E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
1939	743239.94	4108494.51	9.85E-05	1.80E-04	9.86E-06	1.53E-05	2.94E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
1940	743260.15	4108508.19	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.68E-06	1.44E-05	4.76E-07

1941	743280.36	4108521.87	1.04E-04	1.90E-04	1.04E-05	1.61E-05	3.11E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.91E-06	1.47E-05	4.89E-07
1942	743300.58	4108535.55	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.14E-06	1.51E-05	5.01E-07
1943	743320.79	4108549.23	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.26E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.34E-06	1.55E-05	5.12E-07
1944	743341	4108562.91	1.11E-04	2.03E-04	1.11E-05	1.73E-05	3.32E-05	1.67E-06	1.68E-05	2.86E-05	2.12E-06	9.53E-06	1.58E-05	5.23E-07
1945	743361.21	4108576.59	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.70E-06	1.61E-05	5.32E-07
1946	743381.42	4108590.27	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.73E-06	1.73E-05	2.96E-05	2.19E-06	9.85E-06	1.63E-05	5.40E-07
1947	743401.64	4108603.95	1.16E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	2.99E-05	2.22E-06	9.98E-06	1.65E-05	5.47E-07
1948	743421.85	4108617.63	1.18E-04	2.14E-04	1.18E-05	1.82E-05	3.51E-05	1.77E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.67E-05	5.53E-07
1949	743442.06	4108631.32	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
1950	743462.27	4108645	1.20E-04	2.18E-04	1.20E-05	1.85E-05	3.57E-05	1.79E-06	1.80E-05	3.07E-05	2.28E-06	1.02E-05	1.70E-05	5.62E-07
1951	743482.49	4108658.68	1.20E-04	2.19E-04	1.20E-05	1.87E-05	3.60E-05	1.81E-06	1.82E-05	3.09E-05	2.29E-06	1.03E-05	1.71E-05	5.66E-07
1952	743502.7	4108672.36	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.62E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
1953	743522.91	4108686.04	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
1954	743543.12	4108699.72	1.23E-04	2.24E-04	1.23E-05	1.91E-05	3.67E-05	1.85E-06	1.85E-05	3.16E-05	2.34E-06	1.05E-05	1.74E-05	5.78E-07
1955	743563.33	4108713.4	1.24E-04	2.26E-04	1.24E-05	1.92E-05	3.70E-05	1.86E-06	1.87E-05	3.19E-05	2.36E-06	1.06E-05	1.76E-05	5.83E-07
1956	743583.55	4108727.08	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
1957	743603.76	4108740.76	1.26E-04	2.30E-04	1.26E-05	1.96E-05	3.77E-05	1.90E-06	1.90E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.94E-07
1958	743623.97	4108754.44	1.27E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	5.99E-07
1959	743644.18	4108768.12	1.28E-04	2.34E-04	1.29E-05	1.99E-05	3.84E-05	1.93E-06	1.94E-05	3.30E-05	2.45E-06	1.10E-05	1.82E-05	6.04E-07
1960	741055.74	4108235.74	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.30E-06	1.76E-07
1961	741035.11	4108249	3.78E-05	6.88E-05	3.78E-06	5.85E-06	1.13E-05	5.67E-07	5.69E-06	9.70E-06	7.19E-07	3.23E-06	5.35E-06	1.77E-07
1962	741014.47	4108262.25	3.82E-05	6.96E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.76E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
1963	740993.83	4108275.51	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.80E-07	5.83E-06	9.94E-06	7.37E-07	3.31E-06	5.48E-06	1.82E-07
1964	740973.19	4108288.77	3.93E-05	7.15E-05	3.93E-06	6.09E-06	1.17E-05	5.89E-07	5.92E-06	1.01E-05	7.48E-07	3.36E-06	5.57E-06	1.84E-07
1965	740952.55	4108302.02	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.60E-07	3.42E-06	5.66E-06	1.88E-07
1966	740931.91	4108315.28	4.06E-05	7.40E-05	4.06E-06	6.30E-06	1.21E-05	6.10E-07	6.12E-06	1.04E-05	7.74E-07	3.48E-06	5.76E-06	1.91E-07
1967	740863.38	4107894.8	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
1968	740887.18	4107890.41	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.37E-06	4.20E-07	4.22E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
1969	740910.99	4107886.02	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
1970	740934.8	4107881.63	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.43E-06	4.23E-07	4.25E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
1971	740958.61	4107877.24	2.83E-05	5.16E-05	2.84E-06	4.40E-06	8.47E-06	4.25E-07	4.27E-06	7.29E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
1972	740982.42	4107872.85	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.28E-07	4.30E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
1973	741006.23	4107868.46	2.86E-05	5.22E-05	2.87E-06	4.44E-06	8.56E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
1974	741030.04	4107864.07	2.88E-05	5.24E-05	2.88E-06	4.46E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.48E-07	2.47E-06	4.08E-06	1.35E-07
1975	741053.85	4107859.68	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
1976	741077.66	4107855.29	2.90E-05	5.29E-05	2.90E-06	4.50E-06	8.67E-06	4.36E-07	4.38E-06	7.46E-06	5.53E-07	2.49E-06	4.11E-06	1.36E-07
1977	741101.47	4107850.9	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.70E-06	4.37E-07	4.39E-06	7.48E-06	5.55E-07	2.49E-06	4.13E-06	1.37E-07
1978	741125.28	4107846.51	2.92E-05	5.32E-05	2.92E-06	4.52E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
1979	741149.09	4107842.13	2.92E-05	5.33E-05	2.93E-06	4.53E-06	8.73E-06	4.39E-07	4.41E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
1980	741172.89	4107837.74	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
1981	741196.7	4107833.35	2.93E-05	5.34E-05	2.93E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.53E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
1982	741220.51	4107828.96	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.16E-06	1.38E-07
1983	741244.32	4107824.57	2.94E-05	5.36E-05	2.95E-06	4.56E-06	8.79E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
1984	741268.13	4107820.18	2.95E-05	5.38E-05	2.95E-06	4.57E-06	8.81E-06	4.43E-07	4.45E-06	7.58E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
1985	741291.94	4107815.79	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
1986	741315.75	4107811.4	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.88E-06	4.46E-07	4.48E-06	7.64E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
1987	741339.56	4107807.01	2.99E-05	5.45E-05	2.99E-06	4.64E-06	8.93E-06	4.49E-07	4.51E-06	7.68E-06	5.70E-07	2.56E-06	4.24E-06	1.40E-07
1988	741363.37	4107802.62	3.01E-05	5.48E-05	3.01E-06	4.67E-06	8.99E-06	4.52E-07	4.54E-06	7.74E-06	5.73E-07	2.58E-06	4.27E-06	1.41E-07
1989	741387.18	4107798.23	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.79E-06	5.78E-07	2.60E-06	4.30E-06	1.42E-07
1990	741410.99	4107793.84	3.06E-05	5.57E-05	3.06E-06	4.74E-06	9.13E-06	4.59E-07	4.61E-06	7.86E-06	5.83E-07	2.62E-06	4.33E-06	1.44E-07
1991	741434.8	4107789.45	3.08E-05	5.62E-05	3.09E-06	4.78E-06	9.21E-06	4.63E-07	4.65E-06	7.93E-06	5.88E-07	2.64E-06	4.37E-06	1.45E-07
1992	741458.6	4107785.06	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
1993	741482.41	4107780.67	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.39E-06	4.72E-07	4.74E-06	8.08E-06	5.99E-07	2.69E-06	4.45E-06	1.48E-07
1994	741506.22	4107776.28	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.47E-06	4.76E-07	4.78E-06	8.15E-06	6.04E-07	2.72E-06	4.50E-06	1.49E-07
1995	741530.03	4107771.9	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
1996	741553.84	4107767.51	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.85E-06	8.28E-06	6.14E-07	2.76E-06	4.56E-06	1.51E-07
1997	741577.65	4107763.12	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.68E-06	4.87E-07	4.89E-06	8.33E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
1998	741601.46	4107758.73	3.26E-05	5.94E-05	3.26E-06	5.05E-06	9.74E-06	4.89E-07	4.92E-06	8.38E-06	6.21E-07	2.79E-06	4.62E-06	1.53E-07
1999	741625.27	4107754.34	3.28E-05	5.97E-05	3.28E-06	5.08E-06	9.78E-06	4.92E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.64E-06	1.54E-07
2000	741649.08	4107749.95	3.29E-05	5.99E-05	3.29E-06	5.10E-06	9.82E-06	4.94E-07	4.96E-06	8.45E-06	6.27E-07	2.82E-06	4.66E-06	1.55E-07
2001	741672.89	4107745.56	3.30E-05	6.01E-05	3.30E-06	5.12E-06	9.85E-06	4.95E-07	4.97E-06	8.48E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
2002	741696.7	4107741.17	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.88E-06	4.97E-07	4.99E-06	8.51E-06	6.30E-07	2.84E-06	4.69E-06	1.55E-07
2003	741720.51	4107736.78	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.71E-06	1.56E-07
2004	741744.31	4107732.39	3.33E-05	6.06E-05	3.33E-06	5.16E-06	9.94E-06	4.99E-07	5.02E-06	8.55E-06	6.34E-07	2.85E-06	4.72E-06	1.56E-07
2005	741768.12	4107728	3.34E-05	6.09E-05	3.34E-06	5.18E-06	9.98E-06	5.01E-07	5.04E-06	8.59E-06	6.36E-07	2.86E-06	4.74E-06	1.57E-07
2006	741791.93	4107723.61	3.35E-05	6.11E-05	3.36E-06	5.20E-06	1.00E-05	5.03E-07	5.06E-06	8.62E-06	6.39E-07	2.87E-06	4.75E-06	1.58E-07
2007	741815.74	4107719.22	3.37E-05	6.14E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.66E-06	6.42E-07	2.89E-06	4.77E-06	1.58E-07
2008	741839.55	4107714.83	3.39E-05	6.17E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.11E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
2009	741863.36	4107710.44	3.41E-05	6.21E-05	3.41E-06	5.28E-06	1.02E-05	5.11E-07	5.14E-06	8.75E-06	6.49E-07	2.92E-06	4.83E-06	1.60E-07
2010	741887.17	4107706.05	3.43E-05	6.24E-05	3.43E-06	5.31E-06	1.02E-05	5.14E-07	5.17E-06	8.81E-06	6.53E-07	2.94E-06	4.86E-06	1.61E-07
2011	741910.98	4107701.67	3.45E-05	6.28E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.20E-06	8.87E-06	6.57E-07	2.96E-06	4.89E-06	1.62E-07
2012	741934.79	4107697.28	3.47E-05	6.33E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.92E-06	1.63E-07

2013	741958.6	4107692.89	3.49E-05	6.37E-05	3.50E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
2014	741982.41	4107688.5	3.52E-05	6.41E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.04E-06	6.70E-07	3.01E-06	4.99E-06	1.65E-07
2015	742006.21	4107684.11	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2016	742030.02	4107679.72	3.55E-05	6.47E-05	3.55E-06	5.50E-06	1.06E-05	5.33E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
2017	742053.83	4107675.33	3.56E-05	6.48E-05	3.56E-06	5.52E-06	1.06E-05	5.34E-07	5.37E-06	9.15E-06	6.78E-07	3.05E-06	5.04E-06	1.67E-07
2018	742077.64	4107670.94	3.56E-05	6.49E-05	3.56E-06	5.52E-06	1.06E-05	5.35E-07	5.37E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.67E-07
2019	742101.45	4107666.55	3.56E-05	6.49E-05	3.57E-06	5.53E-06	1.06E-05	5.35E-07	5.37E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.67E-07
2020	742125.26	4107662.16	3.56E-05	6.48E-05	3.56E-06	5.52E-06	1.06E-05	5.34E-07	5.37E-06	9.15E-06	6.78E-07	3.05E-06	5.04E-06	1.67E-07
2021	742149.07	4107657.77	3.55E-05	6.46E-05	3.55E-06	5.50E-06	1.06E-05	5.32E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
2022	742172.88	4107653.38	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.30E-07	5.33E-06	9.08E-06	6.73E-07	3.03E-06	5.01E-06	1.66E-07
2023	742196.69	4107648.99	3.52E-05	6.41E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.04E-06	6.70E-07	3.01E-06	4.99E-06	1.65E-07
2024	742220.5	4107644.6	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.25E-07	5.28E-06	8.99E-06	6.67E-07	3.00E-06	4.96E-06	1.64E-07
2025	742244.31	4107640.21	3.48E-05	6.34E-05	3.48E-06	5.40E-06	1.04E-05	5.22E-07	5.25E-06	8.95E-06	6.63E-07	2.98E-06	4.94E-06	1.64E-07
2026	742268.12	4107635.82	3.47E-05	6.32E-05	3.47E-06	5.37E-06	1.04E-05	5.20E-07	5.23E-06	8.91E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
2027	742291.92	4107631.44	3.45E-05	6.29E-05	3.46E-06	5.36E-06	1.03E-05	5.18E-07	5.21E-06	8.88E-06	6.58E-07	2.96E-06	4.90E-06	1.62E-07
2028	742315.73	4107627.05	3.45E-05	6.28E-05	3.45E-06	5.34E-06	1.03E-05	5.17E-07	5.20E-06	8.86E-06	6.57E-07	2.95E-06	4.89E-06	1.62E-07
2029	742339.54	4107622.66	3.44E-05	6.27E-05	3.45E-06	5.34E-06	1.03E-05	5.17E-07	5.19E-06	8.85E-06	6.56E-07	2.95E-06	4.88E-06	1.62E-07
2030	742363.35	4107618.27	3.45E-05	6.28E-05	3.45E-06	5.35E-06	1.03E-05	5.17E-07	5.20E-06	8.86E-06	6.57E-07	2.95E-06	4.89E-06	1.62E-07
2031	742387.16	4107613.88	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.21E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
2032	742410.97	4107609.49	3.47E-05	6.33E-05	3.48E-06	5.39E-06	1.04E-05	5.21E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.92E-06	1.63E-07
2033	742434.78	4107605.1	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.26E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.97E-06	1.65E-07
2034	742458.59	4107600.71	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.74E-07	3.03E-06	5.02E-06	1.66E-07
2035	742482.4	4107596.32	3.59E-05	6.53E-05	3.59E-06	5.56E-06	1.07E-05	5.38E-07	5.41E-06	9.22E-06	6.83E-07	3.07E-06	5.08E-06	1.69E-07
2036	742506.21	4107591.93	3.63E-05	6.62E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.34E-06	6.93E-07	3.11E-06	5.15E-06	1.71E-07
2037	742530.02	4107587.54	3.69E-05	6.71E-05	3.69E-06	5.71E-06	1.10E-05	5.53E-07	5.56E-06	9.47E-06	7.02E-07	3.16E-06	5.22E-06	1.73E-07
2038	742573.88	4107596.72	3.84E-05	7.00E-05	3.85E-06	5.96E-06	1.15E-05	5.77E-07	5.80E-06	9.88E-06	7.32E-07	3.29E-06	5.45E-06	1.81E-07
2039	742593.93	4107610.29	3.95E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.52E-07	3.38E-06	5.60E-06	1.85E-07
2040	742613.97	4107623.86	4.05E-05	7.37E-05	4.05E-06	6.28E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.71E-07	3.47E-06	5.74E-06	1.90E-07
2041	742634.02	4107637.43	4.14E-05	7.55E-05	4.15E-06	6.42E-06	1.24E-05	6.22E-07	6.25E-06	1.06E-05	7.89E-07	3.55E-06	5.87E-06	1.95E-07
2042	742654.07	4107651	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.62E-06	6.00E-06	1.99E-07
2043	742674.12	4107664.57	4.31E-05	7.85E-05	4.31E-06	6.68E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.21E-07	3.69E-06	6.11E-06	2.02E-07
2044	742694.17	4107678.14	4.37E-05	7.96E-05	4.37E-06	6.78E-06	1.31E-05	6.56E-07	6.59E-06	1.12E-05	8.33E-07	3.75E-06	6.20E-06	2.05E-07
2045	742714.22	4107691.71	4.43E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
2046	742734.27	4107705.28	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
2047	742754.32	4107718.85	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.86E-06	6.38E-06	2.11E-07
2048	742774.37	4107732.42	4.52E-05	8.23E-05	4.52E-06	7.00E-06	1.35E-05	6.78E-07	6.81E-06	1.16E-05	8.61E-07	3.87E-06	6.40E-06	2.12E-07
2049	742794.42	4107745.99	4.52E-05	8.24E-05	4.53E-06	7.01E-06	1.35E-05	6.79E-07	6.82E-06	1.16E-05	8.62E-07	3.88E-06	6.41E-06	2.13E-07
2050	742814.47	4107759.56	4.52E-05	8.24E-05	4.52E-06	7.01E-06	1.35E-05	6.78E-07	6.82E-06	1.16E-05	8.61E-07	3.87E-06	6.41E-06	2.12E-07
2051	742834.52	4107773.13	4.51E-05	8.22E-05	4.51E-06	7.00E-06	1.35E-05	6.77E-07	6.80E-06	1.16E-05	8.60E-07	3.87E-06	6.40E-06	2.12E-07
2052	742854.57	4107786.7	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.86E-06	6.38E-06	2.11E-07
2053	742874.62	4107800.27	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.77E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
2054	742894.67	4107813.85	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
2055	742914.72	4107827.42	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
2056	742934.77	4107840.99	4.48E-05	8.17E-05	4.49E-06	6.95E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.54E-07	3.84E-06	6.36E-06	2.11E-07
2057	742954.82	4107854.56	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.85E-06	6.38E-06	2.11E-07
2058	742974.87	4107868.13	4.52E-05	8.24E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.82E-06	1.16E-05	8.62E-07	3.88E-06	6.42E-06	2.13E-07
2059	742994.92	4107881.7	4.56E-05	8.31E-05	4.56E-06	7.07E-06	1.36E-05	6.85E-07	6.88E-06	1.17E-05	8.69E-07	3.91E-06	6.47E-06	2.14E-07
2060	743014.97	4107895.27	4.61E-05	8.40E-05	4.61E-06	7.15E-06	1.38E-05	6.92E-07	6.95E-06	1.19E-05	8.79E-07	3.95E-06	6.54E-06	2.17E-07
2061	743035.02	4107908.84	4.67E-05	8.51E-05	4.67E-06	7.24E-06	1.39E-05	7.01E-07	7.04E-06	1.20E-05	8.90E-07	4.00E-06	6.62E-06	2.19E-07
2062	743055.07	4107922.41	4.73E-05	8.63E-05	4.74E-06	7.34E-06	1.41E-05	7.11E-07	7.14E-06	1.22E-05	9.02E-07	4.06E-06	6.71E-06	2.22E-07
2063	743075.12	4107935.98	4.81E-05	8.76E-05	4.81E-06	7.45E-06	1.44E-05	7.21E-07	7.25E-06	1.24E-05	9.16E-07	4.12E-06	6.82E-06	2.26E-07
2064	743095.17	4107949.55	4.89E-05	8.90E-05	4.89E-06	7.58E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
2065	743115.22	4107963.12	4.97E-05	9.05E-05	4.97E-06	7.71E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.05E-06	2.34E-07
2066	743135.27	4107976.69	5.06E-05	9.22E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.33E-06	7.17E-06	2.38E-07
2067	743155.32	4107990.26	5.15E-05	9.39E-05	5.16E-06	7.99E-06	1.54E-05	7.73E-07	7.77E-06	1.32E-05	9.82E-07	4.42E-06	7.31E-06	2.42E-07
2068	743175.37	4108003.83	5.25E-05	9.57E-05	5.26E-06	8.15E-06	1.57E-05	7.88E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
2069	743195.42	4108017.4	5.36E-05	9.77E-05	5.36E-06	8.31E-06	1.60E-05	8.05E-07	8.08E-06	1.38E-05	1.02E-06	4.59E-06	7.60E-06	2.52E-07
2070	743215.47	4108030.97	5.48E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.77E-06	2.57E-07
2071	743235.52	4108044.54	5.60E-05	1.02E-04	5.60E-06	8.68E-06	1.67E-05	8.40E-07	8.44E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
2072	743255.57	4108058.11	5.73E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.64E-06	1.47E-05	1.09E-06	4.91E-06	8.12E-06	2.69E-07
2073	743275.62	4108071.68	5.86E-05	1.07E-04	5.86E-06	9.09E-06	1.75E-05	8.80E-07	8.84E-06	1.51E-05	1.12E-06	5.02E-06	8.31E-06	2.75E-07
2074	743295.67	4108085.25	6.01E-05	1.09E-04	6.01E-06	9.31E-06	1.79E-05	9.01E-07	9.06E-06	1.54E-05	1.14E-06	5.15E-06	8.52E-06	2.82E-07
2075	743315.72	4108098.82	6.16E-05	1.12E-04	6.16E-06	9.55E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.28E-06	8.73E-06	2.89E-07
2076	743335.77	4108112.39	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.96E-07
2077	743355.82	4108125.96	6.47E-05	1.18E-04	6.47E-06	1.00E-05	1.93E-05	9.71E-07	9.75E-06	1.66E-05	1.23E-06	5.54E-06	9.17E-06	3.04E-07
2078	743375.87	4108139.53	6.63E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.95E-07	1.00E-05	1.70E-05	1.26E-06	5.68E-06	9.40E-06	3.12E-07
2079	743395.92	4108153.1	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
2080	743415.97	4108166.67	6.96E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.33E-06	5.96E-06	9.87E-06	3.27E-07
2081	743436.01	4108180.24	7.13E-05	1.30E-04	7.13E-06	1.11E-05	2.13E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
2082	743456.06	4108193.81	7.30E-05	1.33E-04	7.30E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.43E-07
2083	743476.11	4108207.38	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
2084	743496.16	4108220.95	7.64E-05	1.39E-04	7.65E-06	1.19E-05	2.28E-05	1.15E-06	1.15E-05	1.96E-05	1.46E-06	6.55E-06	1.08E-05	3.59E-07

2085	743516.21	4108234.52	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
2086	743536.26	4108248.09	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
2087	743556.31	4108261.66	8.13E-05	1.48E-04	8.13E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.97E-06	1.15E-05	3.82E-07
2088	743576.36	4108275.23	8.28E-05	1.51E-04	8.28E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.09E-06	1.17E-05	3.89E-07
2089	743596.41	4108288.8	8.41E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
2090	743616.46	4108302.37	8.53E-05	1.55E-04	8.53E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
2091	743636.51	4108315.94	8.63E-05	1.57E-04	8.64E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.64E-06	7.40E-06	1.22E-05	4.06E-07
2092	743656.56	4108329.51	8.72E-05	1.59E-04	8.72E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.47E-06	1.24E-05	4.10E-07
2093	743676.61	4108343.08	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
2094	743696.66	4108356.65	8.85E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.69E-06	7.58E-06	1.25E-05	4.16E-07
2095	743716.71	4108370.22	8.89E-05	1.62E-04	8.89E-06	1.38E-05	2.66E-05	1.33E-06	1.34E-05	2.29E-05	1.69E-06	7.62E-06	1.26E-05	4.18E-07
2096	743736.76	4108383.79	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
2097	743756.81	4108397.36	8.96E-05	1.63E-04	8.97E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.30E-05	1.71E-06	7.68E-06	1.27E-05	4.21E-07
2098	743776.86	4108410.93	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.71E-06	1.28E-05	4.23E-07
2099	743796.91	4108424.5	9.04E-05	1.65E-04	9.05E-06	1.40E-05	2.70E-05	1.36E-06	1.36E-05	2.32E-05	1.72E-06	7.75E-06	1.28E-05	4.25E-07
2100	743816.96	4108438.07	9.09E-05	1.66E-04	9.10E-06	1.41E-05	2.72E-05	1.36E-06	1.37E-05	2.34E-05	1.73E-06	7.79E-06	1.29E-05	4.27E-07
2101	743837.01	4108451.64	9.16E-05	1.67E-04	9.16E-06	1.42E-05	2.74E-05	1.37E-06	1.38E-05	2.35E-05	1.75E-06	7.85E-06	1.30E-05	4.30E-07
2102	743857.06	4108465.21	9.23E-05	1.68E-04	9.24E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.37E-05	1.76E-06	7.91E-06	1.31E-05	4.34E-07
2103	743877.11	4108478.78	9.32E-05	1.70E-04	9.32E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.40E-05	1.78E-06	7.98E-06	1.32E-05	4.38E-07
2104	743897.16	4108492.35	9.41E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
2105	743917.21	4108505.92	9.50E-05	1.73E-04	9.50E-06	1.47E-05	2.84E-05	1.43E-06	1.43E-05	2.44E-05	1.81E-06	8.14E-06	1.35E-05	4.46E-07
2106	743937.26	4108519.49	9.58E-05	1.75E-04	9.59E-06	1.49E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.83E-06	8.21E-06	1.36E-05	4.50E-07
2107	743957.31	4108533.06	9.66E-05	1.76E-04	9.66E-06	1.50E-05	2.88E-05	1.45E-06	1.46E-05	2.48E-05	1.84E-06	8.27E-06	1.37E-05	4.54E-07
2108	743977.36	4108546.63	9.72E-05	1.77E-04	9.73E-06	1.51E-05	2.90E-05	1.46E-06	1.47E-05	2.50E-05	1.85E-06	8.33E-06	1.38E-05	4.57E-07
2109	740839.57	4107899.19	2.80E-05	5.09E-05	2.80E-06	4.33E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
2110	740818.93	4107912.44	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.43E-06	4.23E-07	4.25E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
2111	740798.29	4107925.7	2.85E-05	5.20E-05	2.85E-06	4.42E-06	8.52E-06	4.28E-07	4.30E-06	7.33E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
2112	740777.65	4107938.96	2.89E-05	5.26E-05	2.89E-06	4.48E-06	8.63E-06	4.34E-07	4.36E-06	7.43E-06	5.50E-07	2.48E-06	4.10E-06	1.36E-07
2113	740757.01	4107952.21	2.93E-05	5.35E-05	2.94E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.54E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
2114	740736.37	4107965.47	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.91E-06	4.48E-07	4.50E-06	7.67E-06	5.68E-07	2.56E-06	4.23E-06	1.40E-07
2115	740715.74	4107978.73	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
2116	740647.35	4107558.22	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
2117	740671.3	4107553.8	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.54E-06	3.29E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.11E-06	1.03E-07
2118	740695.26	4107549.39	2.20E-05	4.00E-05	2.20E-06	3.41E-06	6.56E-06	3.30E-07	3.31E-06	5.65E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
2119	740719.22	4107544.97	2.21E-05	4.02E-05	2.21E-06	3.42E-06	6.59E-06	3.31E-07	3.33E-06	5.67E-06	4.20E-07	1.89E-06	3.13E-06	1.04E-07
2120	740743.17	4107540.55	2.22E-05	4.04E-05	2.22E-06	3.44E-06	6.62E-06	3.33E-07	3.34E-06	5.70E-06	4.23E-07	1.90E-06	3.14E-06	1.04E-07
2121	740767.13	4107536.14	2.23E-05	4.07E-05	2.23E-06	3.46E-06	6.67E-06	3.35E-07	3.37E-06	5.74E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
2122	740791.09	4107531.72	2.25E-05	4.10E-05	2.25E-06	3.49E-06	6.71E-06	3.37E-07	3.39E-06	5.78E-06	4.28E-07	1.93E-06	3.19E-06	1.06E-07
2123	740815.04	4107527.3	2.26E-05	4.13E-05	2.27E-06	3.51E-06	6.76E-06	3.40E-07	3.41E-06	5.82E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
2124	740839	4107522.89	2.28E-05	4.15E-05	2.28E-06	3.54E-06	6.81E-06	3.42E-07	3.44E-06	5.86E-06	4.34E-07	1.95E-06	3.23E-06	1.07E-07
2125	740862.96	4107518.47	2.29E-05	4.18E-05	2.29E-06	3.56E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
2126	740886.92	4107514.05	2.31E-05	4.20E-05	2.31E-06	3.57E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.39E-07	1.98E-06	3.27E-06	1.08E-07
2127	740910.87	4107509.64	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.47E-07	3.49E-06	5.95E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
2128	740934.83	4107505.22	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.94E-06	3.49E-07	3.50E-06	5.97E-06	4.43E-07	1.99E-06	3.29E-06	1.09E-07
2129	740958.79	4107500.8	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2130	740982.74	4107496.39	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.10E-07
2131	741006.7	4107491.97	2.33E-05	4.25E-05	2.33E-06	3.62E-06	6.97E-06	3.50E-07	3.52E-06	5.99E-06	4.44E-07	2.00E-06	3.31E-06	1.10E-07
2132	741030.66	4107487.55	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.10E-07
2133	741054.62	4107483.14	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2134	741078.57	4107478.72	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.44E-07	1.99E-06	3.30E-06	1.09E-07
2135	741102.53	4107474.3	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
2136	741126.49	4107469.89	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
2137	741150.44	4107465.47	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
2138	741174.4	4107461.05	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2139	741198.36	4107456.64	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
2140	741222.31	4107452.22	2.35E-05	4.28E-05	2.35E-06	3.64E-06	7.01E-06	3.52E-07	3.54E-06	6.03E-06	4.47E-07	2.01E-06	3.33E-06	1.10E-07
2141	741246.27	4107447.8	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
2142	741270.23	4107443.39	2.38E-05	4.33E-05	2.38E-06	3.69E-06	7.10E-06	3.57E-07	3.58E-06	6.11E-06	4.53E-07	2.04E-06	3.37E-06	1.12E-07
2143	741294.19	4107438.97	2.40E-05	4.36E-05	2.40E-06	3.71E-06	7.16E-06	3.60E-07	3.61E-06	6.16E-06	4.56E-07	2.05E-06	3.40E-06	1.13E-07
2144	741318.14	4107434.55	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
2145	741342.1	4107430.14	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.29E-06	3.66E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
2146	741366.06	4107425.72	2.47E-05	4.49E-05	2.47E-06	3.82E-06	7.37E-06	3.70E-07	3.72E-06	6.34E-06	4.70E-07	2.11E-06	3.50E-06	1.16E-07
2147	741390.01	4107421.3	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.44E-06	3.74E-07	3.76E-06	6.40E-06	4.75E-07	2.13E-06	3.53E-06	1.17E-07
2148	741413.97	4107416.89	2.52E-05	4.58E-05	2.52E-06	3.90E-06	7.52E-06	3.78E-07	3.79E-06	6.47E-06	4.79E-07	2.16E-06	3.57E-06	1.18E-07
2149	741437.93	4107412.47	2.54E-05	4.63E-05	2.54E-06	3.94E-06	7.59E-06	3.81E-07	3.83E-06	6.53E-06	4.84E-07	2.18E-06	3.60E-06	1.19E-07
2150	741461.88	4107408.05	2.56E-05	4.67E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
2151	741485.84	4107403.64	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.71E-06	3.87E-07	3.89E-06	6.63E-06	4.92E-07	2.21E-06	3.66E-06	1.21E-07
2152	741509.8	4107399.22	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.92E-06	6.68E-06	4.95E-07	2.23E-06	3.68E-06	1.22E-07
2153	741533.76	4107394.8	2.61E-05	4.76E-05	2.61E-06	4.05E-06	7.80E-06	3.92E-07	3.94E-06	6.71E-06	4.97E-07	2.24E-06	3.70E-06	1.23E-07
2154	741557.71	4107390.39	2.62E-05	4.78E-05	2.62E-06	4.07E-06	7.83E-06	3.93E-07	3.95E-06	6.74E-06	5.00E-07	2.25E-06	3.72E-06	1.23E-07
2155	741581.67	4107385.97	2.63E-05	4.79E-05	2.63E-06	4.08E-06	7.86E-06	3.95E-07	3.96E-06	6.76E-06	5.01E-07	2.25E-06	3.73E-06	1.24E-07
2156	741605.63	4107381.55	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07

2157	741629.58	4107377.14	2.64E-05	4.81E-05	2.64E-06	4.09E-06	7.88E-06	3.96E-07	3.98E-06	6.78E-06	5.03E-07	2.26E-06	3.74E-06	1.24E-07
2158	741653.54	4107372.72	2.64E-05	4.81E-05	2.64E-06	4.10E-06	7.89E-06	3.96E-07	3.98E-06	6.79E-06	5.03E-07	2.26E-06	3.75E-06	1.24E-07
2159	741677.5	4107368.3	2.64E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
2160	741701.46	4107363.89	2.65E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
2161	741725.41	4107359.47	2.65E-05	4.83E-05	2.65E-06	4.11E-06	7.91E-06	3.98E-07	4.00E-06	6.81E-06	5.05E-07	2.27E-06	3.76E-06	1.25E-07
2162	741749.37	4107355.05	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
2163	741773.33	4107350.64	2.66E-05	4.85E-05	2.66E-06	4.13E-06	7.95E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
2164	741797.28	4107346.22	2.67E-05	4.86E-05	2.67E-06	4.14E-06	7.97E-06	4.01E-07	4.03E-06	6.86E-06	5.09E-07	2.29E-06	3.78E-06	1.25E-07
2165	741821.24	4107341.8	2.68E-05	4.88E-05	2.68E-06	4.16E-06	8.01E-06	4.02E-07	4.04E-06	6.89E-06	5.11E-07	2.30E-06	3.80E-06	1.26E-07
2166	741845.2	4107337.39	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.05E-06	4.04E-07	4.06E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
2167	741869.15	4107332.97	2.71E-05	4.94E-05	2.71E-06	4.20E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.84E-06	1.27E-07
2168	741893.11	4107328.55	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.15E-06	4.10E-07	4.11E-06	7.01E-06	5.20E-07	2.34E-06	3.87E-06	1.28E-07
2169	741917.07	4107324.14	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.12E-07	4.14E-06	7.06E-06	5.24E-07	2.35E-06	3.90E-06	1.29E-07
2170	741941.03	4107319.72	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.26E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
2171	741964.98	4107315.3	2.78E-05	5.07E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
2172	741988.94	4107310.89	2.80E-05	5.11E-05	2.80E-06	4.35E-06	8.37E-06	4.21E-07	4.23E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
2173	742012.9	4107306.47	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
2174	742036.85	4107302.05	2.83E-05	5.16E-05	2.83E-06	4.39E-06	8.45E-06	4.25E-07	4.27E-06	7.27E-06	5.39E-07	2.42E-06	4.01E-06	1.33E-07
2175	742060.81	4107297.64	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.02E-06	1.33E-07
2176	742084.77	4107293.22	2.84E-05	5.18E-05	2.84E-06	4.41E-06	8.49E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
2177	742108.72	4107288.8	2.84E-05	5.18E-05	2.85E-06	4.41E-06	8.50E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
2178	742132.68	4107284.39	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.03E-06	1.33E-07
2179	742156.64	4107279.97	2.83E-05	5.16E-05	2.83E-06	4.39E-06	8.46E-06	4.25E-07	4.27E-06	7.28E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
2180	742180.6	4107275.55	2.82E-05	5.14E-05	2.82E-06	4.38E-06	8.43E-06	4.24E-07	4.26E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
2181	742204.55	4107271.14	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
2182	742228.51	4107266.72	2.79E-05	5.09E-05	2.79E-06	4.33E-06	8.34E-06	4.19E-07	4.21E-06	7.18E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
2183	742252.47	4107262.3	2.78E-05	5.06E-05	2.78E-06	4.30E-06	8.29E-06	4.17E-07	4.18E-06	7.13E-06	5.29E-07	2.38E-06	3.93E-06	1.30E-07
2184	742276.42	4107257.89	2.76E-05	5.02E-05	2.76E-06	4.27E-06	8.23E-06	4.14E-07	4.16E-06	7.09E-06	5.25E-07	2.36E-06	3.91E-06	1.30E-07
2185	742300.38	4107253.47	2.74E-05	4.99E-05	2.74E-06	4.25E-06	8.18E-06	4.11E-07	4.13E-06	7.04E-06	5.22E-07	2.35E-06	3.88E-06	1.29E-07
2186	742324.34	4107249.05	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.14E-06	4.09E-07	4.11E-06	7.01E-06	5.19E-07	2.34E-06	3.86E-06	1.28E-07
2187	742348.3	4107244.64	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.85E-06	1.27E-07
2188	742372.25	4107240.22	2.71E-05	4.93E-05	2.71E-06	4.19E-06	8.08E-06	4.06E-07	4.08E-06	6.95E-06	5.15E-07	2.32E-06	3.84E-06	1.27E-07
2189	742396.21	4107235.8	2.70E-05	4.92E-05	2.70E-06	4.19E-06	8.07E-06	4.05E-07	4.07E-06	6.95E-06	5.15E-07	2.32E-06	3.83E-06	1.27E-07
2190	742420.17	4107231.39	2.70E-05	4.93E-05	2.71E-06	4.19E-06	8.08E-06	4.06E-07	4.08E-06	6.95E-06	5.15E-07	2.32E-06	3.83E-06	1.27E-07
2191	742444.12	4107226.97	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.84E-06	1.27E-07
2192	742468.08	4107222.55	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.14E-06	4.09E-07	4.11E-06	7.01E-06	5.19E-07	2.34E-06	3.86E-06	1.28E-07
2193	742492.04	4107218.14	2.75E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.06E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
2194	742515.99	4107213.72	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.27E-06	4.16E-07	4.18E-06	7.12E-06	5.28E-07	2.37E-06	3.93E-06	1.30E-07
2195	742539.95	4107209.3	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.36E-06	4.20E-07	4.22E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
2196	742563.91	4107204.89	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.47E-06	4.26E-07	4.28E-06	7.29E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
2197	742587.87	4107200.47	2.87E-05	5.24E-05	2.88E-06	4.46E-06	8.59E-06	4.31E-07	4.33E-06	7.39E-06	5.48E-07	2.46E-06	4.08E-06	1.35E-07
2198	742611.82	4107196.05	2.92E-05	5.31E-05	2.92E-06	4.52E-06	8.71E-06	4.38E-07	4.40E-06	7.49E-06	5.56E-07	2.50E-06	4.13E-06	1.37E-07
2199	742655.95	4107205.29	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
2200	742676.13	4107218.95	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
2201	742696.3	4107232.6	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
2202	742716.48	4107246.26	3.26E-05	5.94E-05	3.26E-06	5.06E-06	9.74E-06	4.90E-07	4.92E-06	8.39E-06	6.22E-07	2.80E-06	4.62E-06	1.53E-07
2203	742736.65	4107259.91	3.33E-05	6.07E-05	3.34E-06	5.17E-06	9.96E-06	5.00E-07	5.03E-06	8.57E-06	6.35E-07	2.86E-06	4.73E-06	1.57E-07
2204	742756.83	4107273.56	3.40E-05	6.19E-05	3.40E-06	5.27E-06	1.02E-05	5.10E-07	5.13E-06	8.74E-06	6.48E-07	2.91E-06	4.82E-06	1.60E-07
2205	742777	4107287.22	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.21E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
2206	742797.17	4107300.87	3.51E-05	6.40E-05	3.51E-06	5.44E-06	1.05E-05	5.27E-07	5.29E-06	9.02E-06	6.69E-07	3.01E-06	4.98E-06	1.65E-07
2207	742817.35	4107314.53	3.55E-05	6.48E-05	3.56E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.14E-06	6.77E-07	3.05E-06	5.04E-06	1.67E-07
2208	742837.52	4107328.18	3.59E-05	6.54E-05	3.59E-06	5.56E-06	1.07E-05	5.39E-07	5.41E-06	9.22E-06	6.84E-07	3.07E-06	5.09E-06	1.69E-07
2209	742857.7	4107341.84	3.61E-05	6.58E-05	3.61E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.88E-07	3.10E-06	5.12E-06	1.70E-07
2210	742877.87	4107355.49	3.63E-05	6.61E-05	3.63E-06	5.62E-06	1.08E-05	5.44E-07	5.47E-06	9.32E-06	6.91E-07	3.11E-06	5.14E-06	1.70E-07
2211	742898.05	4107369.15	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
2212	742918.22	4107382.8	3.63E-05	6.61E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.47E-06	9.33E-06	6.91E-07	3.11E-06	5.14E-06	1.71E-07
2213	742938.39	4107396.45	3.62E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.46E-06	9.30E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
2214	742958.57	4107410.11	3.60E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.43E-06	9.26E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
2215	742978.74	4107423.76	3.59E-05	6.53E-05	3.59E-06	5.56E-06	1.07E-05	5.38E-07	5.41E-06	9.22E-06	6.83E-07	3.07E-06	5.08E-06	1.69E-07
2216	742998.92	4107437.42	3.57E-05	6.50E-05	3.57E-06	5.53E-06	1.07E-05	5.36E-07	5.38E-06	9.17E-06	6.80E-07	3.06E-06	5.06E-06	1.68E-07
2217	743019.09	4107451.07	3.55E-05	6.47E-05	3.55E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.13E-06	6.77E-07	3.04E-06	5.04E-06	1.67E-07
2218	743039.27	4107464.73	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.74E-07	3.03E-06	5.02E-06	1.66E-07
2219	743059.44	4107478.38	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2220	743079.61	4107492.04	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2221	743099.79	4107505.69	3.55E-05	6.46E-05	3.55E-06	5.50E-06	1.06E-05	5.32E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
2222	743119.96	4107519.34	3.57E-05	6.50E-05	3.57E-06	5.53E-06	1.07E-05	5.35E-07	5.38E-06	9.17E-06	6.80E-07	3.06E-06	5.06E-06	1.68E-07
2223	743140.14	4107533	3.60E-05	6.55E-05	3.60E-06	5.58E-06	1.07E-05	5.40E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.10E-06	1.69E-07
2224	743160.31	4107546.65	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.09E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
2225	743180.49	4107560.31	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.55E-06	9.45E-06	7.01E-07	3.15E-06	5.21E-06	1.73E-07
2226	743200.66	4107573.96	3.73E-05	6.79E-05	3.73E-06	5.78E-06	1.11E-05	5.59E-07	5.62E-06	9.58E-06	7.10E-07	3.19E-06	5.28E-06	1.75E-07
2227	743220.83	4107587.62	3.78E-05	6.89E-05	3.78E-06	5.86E-06	1.13E-05	5.68E-07	5.70E-06	9.72E-06	7.21E-07	3.24E-06	5.36E-06	1.78E-07
2228	743241.01	4107601.27	3.84E-05	7.00E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.79E-06	9.87E-06	7.32E-07	3.29E-06	5.44E-06	1.80E-07

2229	743261.18	4107614.93	3.90E-05	7.11E-05	3.90E-06	6.05E-06	1.17E-05	5.85E-07	5.88E-06	1.00E-05	7.43E-07	3.34E-06	5.53E-06	1.83E-07
2230	743281.36	4107628.58	3.96E-05	7.22E-05	3.96E-06	6.14E-06	1.18E-05	5.95E-07	5.97E-06	1.02E-05	7.55E-07	3.39E-06	5.62E-06	1.86E-07
2231	743301.53	4107642.23	4.03E-05	7.34E-05	4.03E-06	6.24E-06	1.20E-05	6.04E-07	6.07E-06	1.03E-05	7.67E-07	3.45E-06	5.71E-06	1.89E-07
2232	743321.71	4107655.89	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
2233	743341.88	4107669.54	4.16E-05	7.57E-05	4.16E-06	6.44E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
2234	743362.05	4107683.2	4.22E-05	7.70E-05	4.23E-06	6.55E-06	1.26E-05	6.34E-07	6.37E-06	1.09E-05	8.05E-07	3.62E-06	5.99E-06	1.99E-07
2235	743382.23	4107696.85	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
2236	743402.4	4107710.51	4.38E-05	7.97E-05	4.38E-06	6.79E-06	1.31E-05	6.57E-07	6.60E-06	1.12E-05	8.34E-07	3.75E-06	6.20E-06	2.06E-07
2237	743422.58	4107724.16	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
2238	743442.75	4107737.82	4.54E-05	8.28E-05	4.54E-06	7.04E-06	1.36E-05	6.82E-07	6.85E-06	1.17E-05	8.65E-07	3.89E-06	6.44E-06	2.13E-07
2239	743462.93	4107751.47	4.63E-05	8.44E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
2240	743483.1	4107765.13	4.73E-05	8.61E-05	4.73E-06	7.33E-06	1.41E-05	7.09E-07	7.13E-06	1.21E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
2241	743503.27	4107778.78	4.83E-05	8.79E-05	4.83E-06	7.48E-06	1.44E-05	7.24E-07	7.28E-06	1.24E-05	9.20E-07	4.14E-06	6.84E-06	2.27E-07
2242	743523.45	4107792.43	4.93E-05	8.98E-05	4.93E-06	7.65E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
2243	743543.62	4107806.09	5.03E-05	9.17E-05	5.04E-06	7.81E-06	1.50E-05	7.55E-07	7.59E-06	1.29E-05	9.59E-07	4.31E-06	7.14E-06	2.37E-07
2244	743563.8	4107819.74	5.14E-05	9.36E-05	5.14E-06	7.97E-06	1.54E-05	7.71E-07	7.75E-06	1.32E-05	9.79E-07	4.40E-06	7.29E-06	2.41E-07
2245	743583.97	4107833.4	5.25E-05	9.56E-05	5.25E-06	8.13E-06	1.57E-05	7.87E-07	7.91E-06	1.35E-05	1.00E-06	4.49E-06	7.44E-06	2.46E-07
2246	743604.15	4107847.05	5.35E-05	9.75E-05	5.36E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.59E-06	7.59E-06	2.52E-07
2247	743624.32	4107860.71	5.46E-05	9.95E-05	5.46E-06	8.47E-06	1.63E-05	8.20E-07	8.24E-06	1.40E-05	1.04E-06	4.68E-06	7.74E-06	2.57E-07
2248	743644.49	4107874.36	5.57E-05	1.02E-04	5.57E-06	8.64E-06	1.66E-05	8.36E-07	8.40E-06	1.43E-05	1.06E-06	4.77E-06	7.90E-06	2.62E-07
2249	743664.67	4107888.02	5.68E-05	1.04E-04	5.68E-06	8.81E-06	1.70E-05	8.53E-07	8.57E-06	1.46E-05	1.08E-06	4.87E-06	8.05E-06	2.67E-07
2250	743684.84	4107901.67	5.79E-05	1.06E-04	5.80E-06	8.98E-06	1.73E-05	8.69E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.21E-06	2.72E-07
2251	743705.02	4107915.32	5.90E-05	1.08E-04	5.91E-06	9.15E-06	1.76E-05	8.86E-07	8.90E-06	1.52E-05	1.12E-06	5.06E-06	8.37E-06	2.77E-07
2252	743725.19	4107928.98	6.02E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
2253	743745.37	4107942.63	6.13E-05	1.12E-04	6.13E-06	9.51E-06	1.83E-05	9.20E-07	9.24E-06	1.58E-05	1.17E-06	5.25E-06	8.69E-06	2.88E-07
2254	743765.54	4107956.29	6.24E-05	1.14E-04	6.24E-06	9.68E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
2255	743785.71	4107969.94	6.35E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.53E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	9.00E-06	2.98E-07
2256	743805.89	4107983.6	6.45E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
2257	743826.06	4107997.25	6.55E-05	1.19E-04	6.56E-06	1.02E-05	1.96E-05	9.84E-07	9.88E-06	1.68E-05	1.25E-06	5.62E-06	9.29E-06	3.08E-07
2258	743846.24	4108010.91	6.64E-05	1.21E-04	6.65E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
2259	743866.41	4108024.56	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.76E-06	9.54E-06	3.16E-07
2260	743886.59	4108038.21	6.80E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.64E-06	3.20E-07
2261	743906.76	4108051.87	6.86E-05	1.25E-04	6.87E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.88E-06	9.73E-06	3.23E-07
2262	743926.93	4108065.52	6.91E-05	1.26E-04	6.92E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.92E-06	9.80E-06	3.25E-07
2263	743947.11	4108079.18	6.95E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.96E-06	9.86E-06	3.27E-07
2264	743967.28	4108092.83	6.98E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.98E-06	9.90E-06	3.28E-07
2265	743987.46	4108106.49	7.00E-05	1.28E-04	7.00E-06	1.09E-05	2.09E-05	1.05E-06	1.06E-05	1.80E-05	1.33E-06	6.00E-06	9.93E-06	3.29E-07
2266	744007.63	4108120.14	7.02E-05	1.28E-04	7.02E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.80E-05	1.34E-06	6.01E-06	9.95E-06	3.30E-07
2267	744027.81	4108133.8	7.03E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.97E-06	3.30E-07
2268	744047.98	4108147.45	7.05E-05	1.28E-04	7.05E-06	1.09E-05	2.11E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.04E-06	1.00E-05	3.31E-07
2269	744068.15	4108161.1	7.07E-05	1.29E-04	7.08E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.06E-06	1.00E-05	3.32E-07
2270	744088.33	4108174.76	7.10E-05	1.29E-04	7.11E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.35E-06	6.09E-06	1.01E-05	3.34E-07
2271	744108.5	4108188.41	7.14E-05	1.30E-04	7.15E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.12E-06	1.01E-05	3.36E-07
2272	744128.68	4108202.07	7.19E-05	1.31E-04	7.20E-06	1.12E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.16E-06	1.02E-05	3.38E-07
2273	744148.85	4108215.72	7.25E-05	1.32E-04	7.25E-06	1.12E-05	2.17E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
2274	744169.03	4108229.38	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
2275	744189.2	4108243.03	7.39E-05	1.35E-04	7.39E-06	1.15E-05	2.21E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.33E-06	1.05E-05	3.47E-07
2276	744209.37	4108256.69	7.46E-05	1.36E-04	7.47E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.39E-06	1.06E-05	3.51E-07
2277	744229.55	4108270.34	7.53E-05	1.37E-04	7.54E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.46E-06	1.07E-05	3.54E-07
2278	744249.72	4108283.99	7.61E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.57E-07
2279	744269.9	4108297.65	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
2280	744290.07	4108311.3	7.72E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.16E-05	1.99E-05	1.47E-06	6.62E-06	1.09E-05	3.63E-07
2281	744310.25	4108324.96	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
2282	740623.39	4107562.64	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.55E-06	3.29E-07	3.30E-06	5.63E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
2283	740602.75	4107575.89	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.61E-06	3.32E-07	3.34E-06	5.69E-06	4.21E-07	1.90E-06	3.14E-06	1.04E-07
2284	740582.11	4107589.15	2.24E-05	4.08E-05	2.24E-06	3.47E-06	6.68E-06	3.36E-07	3.37E-06	5.75E-06	4.26E-07	1.92E-06	3.17E-06	1.05E-07
2285	740561.47	4107602.41	2.27E-05	4.13E-05	2.27E-06	3.52E-06	6.77E-06	3.40E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.21E-06	1.07E-07
2286	740540.84	4107615.66	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
2287	740520.2	4107628.92	2.34E-05	4.27E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
2288	740499.56	4107642.18	2.38E-05	4.34E-05	2.38E-06	3.69E-06	7.12E-06	3.58E-07	3.59E-06	6.12E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
2289	740431.28	4107221.65	1.77E-05	3.23E-05	1.77E-06	2.75E-06	5.29E-06	2.66E-07	2.67E-06	4.55E-06	3.38E-07	1.52E-06	2.51E-06	8.33E-08
2290	740455.35	4107217.21	1.77E-05	3.23E-05	1.77E-06	2.75E-06	5.29E-06	2.66E-07	2.67E-06	4.55E-06	3.37E-07	1.52E-06	2.51E-06	8.32E-08
2291	740479.41	4107212.77	1.77E-05	3.23E-05	1.77E-06	2.75E-06	5.30E-06	2.66E-07	2.67E-06	4.56E-06	3.38E-07	1.52E-06	2.51E-06	8.33E-08
2292	740503.48	4107208.34	1.78E-05	3.24E-05	1.78E-06	2.76E-06	5.31E-06	2.67E-07	2.68E-06	4.57E-06	3.39E-07	1.52E-06	2.52E-06	8.36E-08
2293	740527.55	4107203.9	1.79E-05	3.26E-05	1.79E-06	2.77E-06	5.34E-06	2.68E-07	2.70E-06	4.59E-06	3.41E-07	1.53E-06	2.53E-06	8.40E-08
2294	740551.62	4107199.46	1.80E-05	3.28E-05	1.80E-06	2.79E-06	5.37E-06	2.70E-07	2.71E-06	4.62E-06	3.43E-07	1.54E-06	2.55E-06	8.45E-08
2295	740575.69	4107195.02	1.81E-05	3.30E-05	1.81E-06	2.81E-06	5.41E-06	2.72E-07	2.73E-06	4.66E-06	3.45E-07	1.55E-06	2.57E-06	8.51E-08
2296	740599.75	4107190.59	1.83E-05	3.33E-05	1.83E-06	2.83E-06	5.46E-06	2.74E-07	2.75E-06	4.70E-06	3.48E-07	1.57E-06	2.59E-06	8.58E-08
2297	740623.82	4107186.15	1.84E-05	3.36E-05	1.84E-06	2.86E-06	5.50E-06	2.76E-07	2.78E-06	4.74E-06	3.51E-07	1.58E-06	2.61E-06	8.66E-08
2298	740647.89	4107181.71	1.86E-05	3.38E-05	1.86E-06	2.88E-06	5.55E-06	2.79E-07	2.80E-06	4.77E-06	3.54E-07	1.59E-06	2.63E-06	8.72E-08
2299	740671.96	4107177.28	1.87E-05	3.41E-05	1.87E-06	2.90E-06	5.59E-06	2.81E-07	2.82E-06	4.81E-06	3.57E-07	1.60E-06	2.65E-06	8.80E-08
2300	740696.03	4107172.84	1.89E-05	3.44E-05	1.89E-06	2.92E-06	5.63E-06	2.83E-07	2.84E-06	4.85E-06	3.59E-07	1.62E-06	2.67E-06	8.86E-08

2301	740720.09	4107168.4	1.90E-05	3.46E-05	1.90E-06	2.94E-06	5.67E-06	2.85E-07	2.86E-06	4.88E-06	3.61E-07	1.63E-06	2.69E-06	8.91E-08
2302	740744.16	4107163.96	1.91E-05	3.47E-05	1.91E-06	2.96E-06	5.70E-06	2.86E-07	2.88E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.96E-08
2303	740768.23	4107159.53	1.91E-05	3.49E-05	1.92E-06	2.97E-06	5.72E-06	2.87E-07	2.89E-06	4.92E-06	3.65E-07	1.64E-06	2.71E-06	9.00E-08
2304	740792.3	4107155.09	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.72E-06	9.02E-08
2305	740816.37	4107150.65	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.73E-06	9.03E-08
2306	740840.43	4107146.22	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.73E-06	9.03E-08
2307	740864.5	4107141.78	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.72E-06	9.02E-08
2308	740888.57	4107137.34	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.73E-06	2.88E-07	2.89E-06	4.93E-06	3.65E-07	1.64E-06	2.72E-06	9.01E-08
2309	740912.64	4107132.91	1.91E-05	3.48E-05	1.91E-06	2.97E-06	5.71E-06	2.87E-07	2.88E-06	4.92E-06	3.64E-07	1.64E-06	2.71E-06	8.99E-08
2310	740936.71	4107128.47	1.91E-05	3.47E-05	1.91E-06	2.96E-06	5.70E-06	2.86E-07	2.88E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.96E-08
2311	740960.77	4107124.03	1.90E-05	3.46E-05	1.90E-06	2.95E-06	5.68E-06	2.85E-07	2.87E-06	4.89E-06	3.62E-07	1.63E-06	2.70E-06	8.93E-08
2312	740984.84	4107119.59	1.90E-05	3.46E-05	1.90E-06	2.94E-06	5.67E-06	2.85E-07	2.86E-06	4.88E-06	3.61E-07	1.63E-06	2.69E-06	8.91E-08
2313	741008.91	4107115.16	1.89E-05	3.45E-05	1.89E-06	2.94E-06	5.66E-06	2.84E-07	2.85E-06	4.87E-06	3.61E-07	1.62E-06	2.68E-06	8.90E-08
2314	741032.98	4107110.72	1.89E-05	3.45E-05	1.89E-06	2.93E-06	5.65E-06	2.84E-07	2.85E-06	4.86E-06	3.61E-07	1.62E-06	2.68E-06	8.89E-08
2315	741057.04	4107106.28	1.89E-05	3.45E-05	1.89E-06	2.94E-06	5.66E-06	2.84E-07	2.85E-06	4.87E-06	3.61E-07	1.62E-06	2.68E-06	8.90E-08
2316	741081.11	4107101.85	1.90E-05	3.46E-05	1.90E-06	2.94E-06	5.67E-06	2.85E-07	2.86E-06	4.88E-06	3.61E-07	1.63E-06	2.69E-06	8.91E-08
2317	741105.18	4107097.41	1.90E-05	3.47E-05	1.90E-06	2.95E-06	5.69E-06	2.86E-07	2.87E-06	4.89E-06	3.63E-07	1.63E-06	2.70E-06	8.94E-08
2318	741129.25	4107092.97	1.91E-05	3.48E-05	1.91E-06	2.97E-06	5.71E-06	2.87E-07	2.88E-06	4.92E-06	3.64E-07	1.64E-06	2.71E-06	8.99E-08
2319	741153.32	4107088.53	1.92E-05	3.51E-05	1.93E-06	2.98E-06	5.75E-06	2.89E-07	2.90E-06	4.95E-06	3.67E-07	1.65E-06	2.73E-06	9.04E-08
2320	741177.38	4107084.1	1.94E-05	3.53E-05	1.94E-06	3.01E-06	5.79E-06	2.91E-07	2.92E-06	4.98E-06	3.69E-07	1.66E-06	2.75E-06	9.11E-08
2321	741201.45	4107079.66	1.96E-05	3.56E-05	1.96E-06	3.03E-06	5.84E-06	2.94E-07	2.95E-06	5.03E-06	3.73E-07	1.68E-06	2.77E-06	9.19E-08
2322	741225.52	4107075.22	1.98E-05	3.60E-05	1.98E-06	3.06E-06	5.90E-06	2.97E-07	2.98E-06	5.08E-06	3.76E-07	1.69E-06	2.80E-06	9.28E-08
2323	741249.59	4107070.79	2.00E-05	3.64E-05	2.00E-06	3.09E-06	5.96E-06	3.00E-07	3.01E-06	5.13E-06	3.80E-07	1.71E-06	2.83E-06	9.38E-08
2324	741273.66	4107066.35	2.02E-05	3.68E-05	2.02E-06	3.13E-06	6.03E-06	3.03E-07	3.04E-06	5.19E-06	3.85E-07	1.73E-06	2.86E-06	9.48E-08
2325	741297.72	4107061.91	2.04E-05	3.72E-05	2.04E-06	3.16E-06	6.10E-06	3.06E-07	3.08E-06	5.24E-06	3.89E-07	1.75E-06	2.89E-06	9.59E-08
2326	741321.79	4107057.47	2.06E-05	3.76E-05	2.06E-06	3.20E-06	6.16E-06	3.10E-07	3.11E-06	5.30E-06	3.93E-07	1.77E-06	2.92E-06	9.69E-08
2327	741345.86	4107053.04	2.08E-05	3.80E-05	2.08E-06	3.23E-06	6.22E-06	3.13E-07	3.14E-06	5.36E-06	3.97E-07	1.79E-06	2.95E-06	9.79E-08
2328	741369.93	4107048.6	2.10E-05	3.83E-05	2.10E-06	3.26E-06	6.28E-06	3.16E-07	3.17E-06	5.41E-06	4.01E-07	1.80E-06	2.98E-06	9.89E-08
2329	741394	4107044.16	2.12E-05	3.87E-05	2.12E-06	3.29E-06	6.34E-06	3.18E-07	3.20E-06	5.45E-06	4.04E-07	1.82E-06	3.01E-06	9.97E-08
2330	741418.06	4107039.73	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.22E-06	5.50E-06	4.07E-07	1.83E-06	3.03E-06	1.00E-07
2331	741442.13	4107035.29	2.15E-05	3.92E-05	2.15E-06	3.33E-06	6.42E-06	3.23E-07	3.24E-06	5.53E-06	4.10E-07	1.84E-06	3.05E-06	1.01E-07
2332	741466.2	4107030.85	2.16E-05	3.94E-05	2.16E-06	3.35E-06	6.46E-06	3.24E-07	3.26E-06	5.56E-06	4.12E-07	1.85E-06	3.06E-06	1.02E-07
2333	741490.27	4107026.41	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.48E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
2334	741514.34	4107021.98	2.17E-05	3.96E-05	2.18E-06	3.37E-06	6.49E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2335	741538.4	4107017.54	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2336	741562.47	4107013.1	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2337	741586.54	4107008.67	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2338	741610.61	4107004.23	2.17E-05	3.96E-05	2.18E-06	3.37E-06	6.50E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2339	741634.68	4106999.79	2.17E-05	3.96E-05	2.18E-06	3.37E-06	6.49E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2340	741658.74	4106995.36	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.49E-06	3.26E-07	3.27E-06	5.58E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2341	741682.81	4106990.92	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.48E-06	3.26E-07	3.27E-06	5.58E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2342	741706.88	4106986.48	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.48E-06	3.26E-07	3.27E-06	5.58E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2343	741730.95	4106982.04	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.49E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2344	741755.02	4106977.61	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2345	741779.08	4106973.17	2.18E-05	3.98E-05	2.19E-06	3.39E-06	6.52E-06	3.28E-07	3.29E-06	5.61E-06	4.16E-07	1.87E-06	3.10E-06	1.03E-07
2346	741803.15	4106968.73	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.55E-06	3.29E-07	3.30E-06	5.63E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
2347	741827.22	4106964.3	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.58E-06	3.30E-07	3.32E-06	5.66E-06	4.20E-07	1.89E-06	3.12E-06	1.03E-07
2348	741851.29	4106959.86	2.22E-05	4.04E-05	2.22E-06	3.43E-06	6.62E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
2349	741875.36	4106955.42	2.23E-05	4.06E-05	2.23E-06	3.46E-06	6.66E-06	3.34E-07	3.36E-06	5.73E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
2350	741899.42	4106950.98	2.24E-05	4.09E-05	2.25E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.05E-07
2351	741923.49	4106946.55	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.75E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
2352	741947.56	4106942.11	2.28E-05	4.15E-05	2.28E-06	3.53E-06	6.80E-06	3.42E-07	3.43E-06	5.85E-06	4.34E-07	1.95E-06	3.23E-06	1.07E-07
2353	741971.63	4106937.67	2.29E-05	4.18E-05	2.29E-06	3.55E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
2354	741995.7	4106933.24	2.31E-05	4.20E-05	2.31E-06	3.58E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
2355	742019.76	4106928.8	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
2356	742043.83	4106924.36	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.10E-07
2357	742067.9	4106919.92	2.34E-05	4.26E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.01E-06	4.46E-07	2.00E-06	3.32E-06	1.10E-07
2358	742091.97	4106915.49	2.34E-05	4.27E-05	2.34E-06	3.63E-06	7.00E-06	3.52E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
2359	742116.03	4106911.05	2.34E-05	4.27E-05	2.35E-06	3.64E-06	7.00E-06	3.52E-07	3.54E-06	6.03E-06	4.47E-07	2.01E-06	3.32E-06	1.10E-07
2360	742140.1	4106906.61	2.34E-05	4.27E-05	2.34E-06	3.63E-06	7.00E-06	3.52E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
2361	742164.17	4106902.18	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
2362	742188.24	4106897.74	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2363	742212.31	4106893.3	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
2364	742236.37	4106888.87	2.31E-05	4.20E-05	2.31E-06	3.58E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.39E-07	1.98E-06	3.27E-06	1.08E-07
2365	742260.44	4106884.43	2.29E-05	4.18E-05	2.29E-06	3.55E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
2366	742284.51	4106879.99	2.28E-05	4.15E-05	2.28E-06	3.53E-06	6.80E-06	3.42E-07	3.43E-06	5.85E-06	4.34E-07	1.95E-06	3.23E-06	1.07E-07
2367	742308.58	4106875.55	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.76E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
2368	742332.65	4106871.12	2.25E-05	4.09E-05	2.25E-06	3.48E-06	6.71E-06	3.37E-07	3.39E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.06E-07
2369	742356.71	4106866.68	2.23E-05	4.07E-05	2.23E-06	3.46E-06	6.67E-06	3.35E-07	3.37E-06	5.74E-06	4.25E-07	1.91E-06	3.17E-06	1.05E-07
2370	742380.78	4106862.24	2.22E-05	4.05E-05	2.22E-06	3.44E-06	6.63E-06	3.33E-07	3.35E-06	5.71E-06	4.23E-07	1.90E-06	3.15E-06	1.04E-07
2371	742404.85	4106857.81	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.60E-06	3.32E-07	3.33E-06	5.68E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
2372	742428.92	4106853.37	2.20E-05	4.02E-05	2.21E-06	3.42E-06	6.58E-06	3.31E-07	3.32E-06	5.67E-06	4.20E-07	1.89E-06	3.12E-06	1.04E-07

2373	742452.99	4106848.93	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.57E-06	3.30E-07	3.32E-06	5.65E-06	4.19E-07	1.88E-06	3.12E-06	1.03E-07
2374	742477.05	4106844.49	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.57E-06	3.30E-07	3.32E-06	5.65E-06	4.19E-07	1.88E-06	3.12E-06	1.03E-07
2375	742501.12	4106840.06	2.20E-05	4.02E-05	2.21E-06	3.42E-06	6.58E-06	3.31E-07	3.32E-06	5.67E-06	4.20E-07	1.89E-06	3.12E-06	1.04E-07
2376	742525.19	4106835.62	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.61E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
2377	742549.26	4106831.18	2.23E-05	4.06E-05	2.23E-06	3.45E-06	6.65E-06	3.34E-07	3.36E-06	5.72E-06	4.24E-07	1.91E-06	3.16E-06	1.05E-07
2378	742573.33	4106826.75	2.24E-05	4.09E-05	2.25E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.05E-07
2379	742597.39	4106822.31	2.27E-05	4.13E-05	2.27E-06	3.51E-06	6.77E-06	3.40E-07	3.42E-06	5.82E-06	4.32E-07	1.94E-06	3.21E-06	1.06E-07
2380	742621.46	4106817.87	2.29E-05	4.17E-05	2.29E-06	3.55E-06	6.84E-06	3.44E-07	3.45E-06	5.89E-06	4.36E-07	1.96E-06	3.25E-06	1.08E-07
2381	742645.53	4106813.43	2.32E-05	4.22E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
2382	742669.6	4106809	2.35E-05	4.28E-05	2.35E-06	3.65E-06	7.02E-06	3.53E-07	3.55E-06	6.04E-06	4.48E-07	2.01E-06	3.33E-06	1.10E-07
2383	742693.67	4106804.56	2.38E-05	4.34E-05	2.39E-06	3.70E-06	7.12E-06	3.58E-07	3.60E-06	6.13E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
2384	742738	4106813.84	2.48E-05	4.51E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.73E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
2385	742758.27	4106827.56	2.54E-05	4.62E-05	2.54E-06	3.93E-06	7.58E-06	3.81E-07	3.82E-06	6.52E-06	4.83E-07	2.17E-06	3.60E-06	1.19E-07
2386	742778.54	4106841.28	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.91E-06	6.67E-06	4.95E-07	2.22E-06	3.68E-06	1.22E-07
2387	742798.8	4106854.99	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
2388	742819.07	4106868.71	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.85E-06	1.27E-07
2389	742839.34	4106882.43	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.26E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
2390	742859.61	4106896.15	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
2391	742879.88	4106909.86	2.86E-05	5.22E-05	2.87E-06	4.44E-06	8.56E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
2392	742900.14	4106923.58	2.90E-05	5.29E-05	2.91E-06	4.50E-06	8.68E-06	4.36E-07	4.38E-06	7.47E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
2393	742920.41	4106937.3	2.94E-05	5.36E-05	2.94E-06	4.56E-06	8.78E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.17E-06	1.38E-07
2394	742940.68	4106951.02	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.86E-06	4.45E-07	4.47E-06	7.63E-06	5.65E-07	2.54E-06	4.21E-06	1.39E-07
2395	742960.95	4106964.74	2.99E-05	5.44E-05	2.99E-06	4.63E-06	8.93E-06	4.48E-07	4.51E-06	7.68E-06	5.69E-07	2.56E-06	4.24E-06	1.40E-07
2396	742981.21	4106978.45	3.00E-05	5.47E-05	3.00E-06	4.65E-06	8.97E-06	4.50E-07	4.53E-06	7.72E-06	5.72E-07	2.57E-06	4.26E-06	1.41E-07
2397	743001.48	4106992.17	3.01E-05	5.48E-05	3.01E-06	4.66E-06	8.98E-06	4.51E-07	4.53E-06	7.73E-06	5.73E-07	2.58E-06	4.26E-06	1.41E-07
2398	743021.75	4107005.89	3.00E-05	5.47E-05	3.01E-06	4.66E-06	8.98E-06	4.51E-07	4.53E-06	7.72E-06	5.73E-07	2.57E-06	4.26E-06	1.41E-07
2399	743042.02	4107019.61	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.95E-06	4.50E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
2400	743062.28	4107033.32	2.98E-05	5.44E-05	2.99E-06	4.63E-06	8.92E-06	4.48E-07	4.50E-06	7.67E-06	5.69E-07	2.56E-06	4.23E-06	1.40E-07
2401	743082.55	4107047.04	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.45E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.39E-07
2402	743102.82	4107060.76	2.95E-05	5.37E-05	2.95E-06	4.57E-06	8.81E-06	4.43E-07	4.45E-06	7.58E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
2403	743123.09	4107074.48	2.93E-05	5.34E-05	2.93E-06	4.54E-06	8.75E-06	4.40E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
2404	743143.36	4107088.19	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.70E-06	4.37E-07	4.39E-06	7.48E-06	5.55E-07	2.49E-06	4.13E-06	1.37E-07
2405	743163.62	4107101.91	2.90E-05	5.28E-05	2.90E-06	4.49E-06	8.65E-06	4.35E-07	4.37E-06	7.44E-06	5.52E-07	2.48E-06	4.11E-06	1.36E-07
2406	743183.89	4107115.63	2.88E-05	5.26E-05	2.89E-06	4.47E-06	8.62E-06	4.33E-07	4.35E-06	7.41E-06	5.50E-07	2.47E-06	4.09E-06	1.36E-07
2407	743204.16	4107129.35	2.88E-05	5.25E-05	2.88E-06	4.46E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.49E-07	2.47E-06	4.08E-06	1.35E-07
2408	743224.43	4107143.07	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.49E-07	2.47E-06	4.08E-06	1.35E-07
2409	743244.69	4107156.78	2.89E-05	5.26E-05	2.89E-06	4.48E-06	8.63E-06	4.34E-07	4.36E-06	7.43E-06	5.50E-07	2.48E-06	4.10E-06	1.36E-07
2410	743264.96	4107170.5	2.90E-05	5.29E-05	2.91E-06	4.50E-06	8.68E-06	4.36E-07	4.38E-06	7.47E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
2411	743285.23	4107184.22	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
2412	743305.5	4107197.94	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.60E-06	5.64E-07	2.53E-06	4.19E-06	1.39E-07
2413	743325.76	4107211.65	2.99E-05	5.46E-05	3.00E-06	4.64E-06	8.95E-06	4.49E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
2414	743346.03	4107225.37	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
2415	743366.3	4107239.09	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.21E-06	4.62E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
2416	743386.57	4107252.81	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.35E-06	4.70E-07	4.72E-06	8.04E-06	5.96E-07	2.68E-06	4.44E-06	1.47E-07
2417	743406.84	4107266.52	3.18E-05	5.79E-05	3.18E-06	4.93E-06	9.49E-06	4.77E-07	4.79E-06	8.17E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
2418	743427.1	4107280.24	3.23E-05	5.88E-05	3.23E-06	5.00E-06	9.64E-06	4.84E-07	4.87E-06	8.29E-06	6.15E-07	2.76E-06	4.57E-06	1.52E-07
2419	743447.37	4107293.96	3.27E-05	5.97E-05	3.28E-06	5.08E-06	9.78E-06	4.91E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.64E-06	1.54E-07
2420	743467.64	4107307.68	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.92E-06	4.98E-07	5.01E-06	8.54E-06	6.33E-07	2.85E-06	4.71E-06	1.56E-07
2421	743487.91	4107321.4	3.37E-05	6.14E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.66E-06	6.42E-07	2.89E-06	4.77E-06	1.58E-07
2422	743508.17	4107335.11	3.41E-05	6.22E-05	3.42E-06	5.29E-06	1.02E-05	5.12E-07	5.15E-06	8.77E-06	6.50E-07	2.92E-06	4.84E-06	1.60E-07
2423	743528.44	4107348.83	3.46E-05	6.30E-05	3.46E-06	5.37E-06	1.03E-05	5.19E-07	5.22E-06	8.89E-06	6.59E-07	2.96E-06	4.91E-06	1.63E-07
2424	743548.71	4107362.55	3.51E-05	6.40E-05	3.51E-06	5.44E-06	1.05E-05	5.27E-07	5.29E-06	9.02E-06	6.69E-07	3.01E-06	4.98E-06	1.65E-07
2425	743568.98	4107376.27	3.56E-05	6.49E-05	3.56E-06	5.52E-06	1.06E-05	5.35E-07	5.37E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.67E-07
2426	743589.24	4107389.98	3.61E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
2427	743609.51	4107403.7	3.67E-05	6.69E-05	3.67E-06	5.69E-06	1.10E-05	5.51E-07	5.54E-06	9.44E-06	7.00E-07	3.15E-06	5.21E-06	1.73E-07
2428	743629.78	4107417.42	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
2429	743650.05	4107431.14	3.80E-05	6.92E-05	3.80E-06	5.89E-06	1.13E-05	5.70E-07	5.73E-06	9.76E-06	7.24E-07	3.25E-06	5.39E-06	1.79E-07
2430	743670.32	4107444.85	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.80E-07	5.83E-06	9.94E-06	7.37E-07	3.31E-06	5.48E-06	1.82E-07
2431	743690.58	4107458.57	3.94E-05	7.17E-05	3.94E-06	6.10E-06	1.18E-05	5.91E-07	5.94E-06	1.01E-05	7.50E-07	3.37E-06	5.58E-06	1.85E-07
2432	743710.85	4107472.29	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.68E-06	1.88E-07
2433	743731.12	4107486.01	4.08E-05	7.44E-05	4.08E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
2434	743751.39	4107499.72	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
2435	743771.65	4107513.44	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.63E-06	6.00E-06	1.99E-07
2436	743791.92	4107527.16	4.31E-05	7.85E-05	4.31E-06	6.68E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.21E-07	3.69E-06	6.11E-06	2.02E-07
2437	743812.19	4107540.88	4.38E-05	7.98E-05	4.38E-06	6.79E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.75E-06	6.21E-06	2.06E-07
2438	743832.46	4107554.6	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
2439	743852.72	4107568.31	4.53E-05	8.26E-05	4.53E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
2440	743872.99	4107582.03	4.61E-05	8.40E-05	4.61E-06	7.14E-06	1.38E-05	6.91E-07	6.95E-06	1.18E-05	8.78E-07	3.95E-06	6.53E-06	2.17E-07
2441	743893.26	4107595.75	4.68E-05	8.53E-05	4.68E-06	7.26E-06	1.40E-05	7.03E-07	7.06E-06	1.20E-05	8.92E-07	4.01E-06	6.64E-06	2.20E-07
2442	743913.53	4107609.47	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.18E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
2443	743933.79	4107623.18	4.84E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.26E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.86E-06	2.27E-07
2444	743954.06	4107636.9	4.91E-05	8.96E-05	4.92E-06	7.62E-06	1.47E-05	7.38E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.97E-06	2.31E-07

2445	743974.33	4107650.62	4.99E-05	9.10E-05	5.00E-06	7.74E-06	1.49E-05	7.49E-07	7.53E-06	1.28E-05	9.52E-07	4.28E-06	7.08E-06	2.35E-07
2446	743994.6	4107664.34	5.07E-05	9.25E-05	5.08E-06	7.87E-06	1.52E-05	7.62E-07	7.65E-06	1.30E-05	9.67E-07	4.35E-06	7.20E-06	2.38E-07
2447	744014.87	4107678.05	5.16E-05	9.40E-05	5.16E-06	8.00E-06	1.54E-05	7.74E-07	7.78E-06	1.33E-05	9.83E-07	4.42E-06	7.31E-06	2.42E-07
2448	744035.13	4107691.77	5.24E-05	9.54E-05	5.24E-06	8.12E-06	1.56E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.42E-06	2.46E-07
2449	744055.4	4107705.49	5.31E-05	9.68E-05	5.32E-06	8.24E-06	1.59E-05	7.98E-07	8.01E-06	1.37E-05	1.01E-06	4.55E-06	7.54E-06	2.50E-07
2450	744075.67	4107719.21	5.39E-05	9.82E-05	5.39E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
2451	744095.94	4107732.93	5.46E-05	9.95E-05	5.46E-06	8.47E-06	1.63E-05	8.19E-07	8.23E-06	1.40E-05	1.04E-06	4.68E-06	7.74E-06	2.57E-07
2452	744116.2	4107746.64	5.52E-05	1.01E-04	5.53E-06	8.57E-06	1.65E-05	8.29E-07	8.33E-06	1.42E-05	1.05E-06	4.73E-06	7.83E-06	2.60E-07
2453	744136.47	4107760.36	5.58E-05	1.02E-04	5.58E-06	8.66E-06	1.67E-05	8.38E-07	8.42E-06	1.43E-05	1.06E-06	4.78E-06	7.91E-06	2.62E-07
2454	744156.74	4107774.08	5.63E-05	1.03E-04	5.63E-06	8.73E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.82E-06	7.98E-06	2.65E-07
2455	744177.01	4107787.8	5.67E-05	1.03E-04	5.67E-06	8.79E-06	1.69E-05	8.50E-07	8.54E-06	1.46E-05	1.08E-06	4.86E-06	8.03E-06	2.66E-07
2456	744197.27	4107801.51	5.70E-05	1.04E-04	5.70E-06	8.84E-06	1.70E-05	8.55E-07	8.59E-06	1.46E-05	1.09E-06	4.88E-06	8.08E-06	2.68E-07
2457	744217.54	4107815.23	5.72E-05	1.04E-04	5.72E-06	8.87E-06	1.71E-05	8.58E-07	8.62E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
2458	744237.81	4107828.95	5.73E-05	1.04E-04	5.74E-06	8.89E-06	1.71E-05	8.60E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.69E-07
2459	744258.08	4107842.67	5.74E-05	1.05E-04	5.74E-06	8.90E-06	1.71E-05	8.61E-07	8.66E-06	1.48E-05	1.09E-06	4.92E-06	8.14E-06	2.70E-07
2460	744278.35	4107856.38	5.74E-05	1.05E-04	5.75E-06	8.91E-06	1.72E-05	8.62E-07	8.66E-06	1.48E-05	1.09E-06	4.92E-06	8.14E-06	2.70E-07
2461	744298.61	4107870.1	5.75E-05	1.05E-04	5.75E-06	8.91E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.15E-06	2.70E-07
2462	744318.88	4107883.82	5.75E-05	1.05E-04	5.76E-06	8.92E-06	1.72E-05	8.64E-07	8.68E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.70E-07
2463	744339.15	4107897.54	5.76E-05	1.05E-04	5.77E-06	8.94E-06	1.72E-05	8.65E-07	8.69E-06	1.48E-05	1.10E-06	4.94E-06	8.17E-06	2.71E-07
2464	744359.42	4107911.26	5.78E-05	1.05E-04	5.78E-06	8.96E-06	1.73E-05	8.67E-07	8.71E-06	1.48E-05	1.10E-06	4.95E-06	8.19E-06	2.71E-07
2465	744379.68	4107924.97	5.80E-05	1.06E-04	5.80E-06	8.99E-06	1.73E-05	8.70E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.22E-06	2.73E-07
2466	744399.95	4107938.69	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
2467	744420.22	4107952.41	5.87E-05	1.07E-04	5.87E-06	9.10E-06	1.75E-05	8.81E-07	8.85E-06	1.51E-05	1.12E-06	5.03E-06	8.32E-06	2.76E-07
2468	744440.49	4107966.13	5.92E-05	1.08E-04	5.92E-06	9.18E-06	1.77E-05	8.88E-07	8.93E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
2469	744460.75	4107979.84	5.97E-05	1.09E-04	5.98E-06	9.26E-06	1.78E-05	8.96E-07	9.01E-06	1.54E-05	1.14E-06	5.12E-06	8.47E-06	2.81E-07
2470	744481.02	4107993.56	6.03E-05	1.10E-04	6.03E-06	9.35E-06	1.80E-05	9.05E-07	9.10E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.83E-07
2471	744501.29	4108007.28	6.09E-05	1.11E-04	6.10E-06	9.45E-06	1.82E-05	9.14E-07	9.19E-06	1.57E-05	1.16E-06	5.22E-06	8.64E-06	2.86E-07
2472	744521.56	4108021	6.16E-05	1.12E-04	6.16E-06	9.55E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.28E-06	8.73E-06	2.89E-07
2473	744541.83	4108034.71	6.22E-05	1.13E-04	6.22E-06	9.64E-06	1.86E-05	9.33E-07	9.37E-06	1.60E-05	1.18E-06	5.33E-06	8.81E-06	2.92E-07
2474	744562.09	4108048.43	6.27E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.42E-07	9.46E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
2475	744582.36	4108062.15	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
2476	744602.63	4108075.87	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
2477	744622.9	4108089.59	6.41E-05	1.17E-04	6.41E-06	9.94E-06	1.91E-05	9.62E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
2478	744643.16	4108103.3	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.70E-06	1.65E-05	1.23E-06	5.51E-06	9.13E-06	3.02E-07
2479	740407.21	4107226.08	1.78E-05	3.24E-05	1.78E-06	2.76E-06	5.31E-06	2.67E-07	2.68E-06	4.57E-06	3.39E-07	1.52E-06	2.52E-06	8.35E-08
2480	740386.57	4107239.34	1.80E-05	3.27E-05	1.80E-06	2.78E-06	5.36E-06	2.69E-07	2.71E-06	4.61E-06	3.42E-07	1.54E-06	2.55E-06	8.44E-08
2481	740365.93	4107252.6	1.82E-05	3.31E-05	1.82E-06	2.82E-06	5.43E-06	2.73E-07	2.74E-06	4.67E-06	3.46E-07	1.56E-06	2.58E-06	8.54E-08
2482	740345.3	4107265.85	1.84E-05	3.36E-05	1.84E-06	2.86E-06	5.51E-06	2.77E-07	2.78E-06	4.74E-06	3.51E-07	1.58E-06	2.61E-06	8.66E-08
2483	740324.66	4107279.11	1.87E-05	3.41E-05	1.87E-06	2.90E-06	5.59E-06	2.81E-07	2.82E-06	4.81E-06	3.57E-07	1.60E-06	2.65E-06	8.80E-08
2484	740304.02	4107292.37	1.90E-05	3.47E-05	1.90E-06	2.95E-06	5.69E-06	2.86E-07	2.87E-06	4.89E-06	3.63E-07	1.63E-06	2.70E-06	8.94E-08
2485	740283.38	4107305.62	1.94E-05	3.53E-05	1.94E-06	3.00E-06	5.78E-06	2.90E-07	2.92E-06	4.98E-06	3.69E-07	1.66E-06	2.74E-06	9.10E-08
2486	741943.03	4109938.39	1.48E-02	2.70E-02	1.48E-03	2.30E-03	4.43E-03	2.23E-04	2.24E-03	3.81E-03	2.83E-04	1.27E-03	2.10E-03	6.97E-05
2487	741960.55	4109963.31	1.93E-02	3.52E-02	1.93E-03	2.99E-03	5.77E-03	2.90E-04	2.91E-03	4.96E-03	3.68E-04	1.65E-03	2.74E-03	9.08E-05
2488	741977.05	4109990.24	2.15E-02	3.93E-02	2.16E-03	3.34E-03	6.44E-03	3.23E-04	3.25E-03	5.54E-03	4.11E-04	1.85E-03	3.06E-03	1.01E-04
2489	741913.25	4109921.94	7.82E-03	1.43E-02	7.83E-04	1.21E-03	2.34E-03	1.17E-04	1.18E-03	2.01E-03	1.49E-04	6.70E-04	1.11E-03	3.68E-05
2490	741934.39	4109952.35	1.86E-02	3.40E-02	1.86E-03	2.89E-03	5.57E-03	2.80E-04	2.81E-03	4.79E-03	3.55E-04	1.60E-03	2.64E-03	8.76E-05
2491	741957.94	4109988.34	2.21E-02	4.02E-02	2.21E-03	3.42E-03	6.59E-03	3.31E-04	3.33E-03	5.67E-03	4.21E-04	1.89E-03	3.13E-03	1.04E-04
2492	741892.15	4109935.35	7.45E-03	1.36E-02	7.46E-04	1.16E-03	2.23E-03	1.12E-04	1.12E-03	1.92E-03	1.42E-04	6.39E-04	1.06E-03	3.50E-05
2493	741896.42	4109882.11	3.87E-03	7.05E-03	3.87E-04	6.00E-04	1.16E-03	5.81E-05	5.83E-04	9.94E-04	7.37E-05	3.31E-04	5.48E-04	1.82E-05
2494	741871.05	4109948.76	7.17E-03	1.31E-02	7.17E-04	1.11E-03	2.14E-03	1.08E-04	1.08E-03	1.84E-03	1.37E-04	6.14E-04	1.02E-03	3.37E-05
2495	741864.42	4109911.18	4.15E-03	7.57E-03	4.16E-04	6.44E-04	1.24E-03	6.23E-05	6.26E-04	1.07E-03	7.92E-05	3.56E-04	5.89E-04	1.95E-05
2496	741872	4109876.74	3.11E-03	5.68E-03	3.12E-04	4.83E-04	9.31E-04	4.68E-05	4.70E-04	8.01E-04	5.94E-05	2.67E-04	4.42E-04	1.46E-05
2497	741828.86	4109975.59	6.41E-03	1.17E-02	6.41E-04	9.93E-04	1.91E-03	9.61E-05	9.66E-04	1.65E-03	1.22E-04	5.49E-04	9.08E-04	3.01E-05
2498	741822.22	4109938.01	3.93E-03	7.17E-03	3.93E-04	6.10E-04	1.17E-03	5.90E-05	5.93E-04	1.01E-03	7.49E-05	3.37E-04	5.58E-04	1.85E-05
2499	741815.59	4109900.43	2.76E-03	5.02E-03	2.76E-04	4.28E-04	8.24E-04	4.14E-05	4.16E-04	7.09E-04	5.25E-05	2.36E-04	3.91E-04	1.30E-05
2500	741823.17	4109865.98	2.21E-03	4.02E-03	2.21E-04	3.42E-04	6.59E-04	3.31E-05	3.33E-04	5.67E-04	4.20E-05	1.89E-04	3.13E-04	1.04E-05
2501	741844.98	4109834.67	1.88E-03	3.42E-03	1.88E-04	2.91E-04	5.61E-04	2.82E-05	2.83E-04	4.82E-04	3.58E-05	1.61E-04	2.66E-04	8.82E-06
2502	741773.39	4109927.26	2.70E-03	4.92E-03	2.70E-04	4.19E-04	8.07E-04	4.05E-05	4.07E-04	6.94E-04	5.15E-05	2.31E-04	3.83E-04	1.27E-05
2503	741766.76	4109889.68	2.03E-03	3.70E-03	2.03E-04	3.15E-04	6.06E-04	3.04E-05	3.06E-04	5.21E-04	3.87E-05	1.74E-04	2.88E-04	9.53E-06
2504	741774.34	4109855.23	1.68E-03	3.07E-03	1.68E-04	2.61E-04	5.03E-04	2.53E-05	2.54E-04	4.33E-04	3.21E-05	1.44E-04	2.39E-04	7.91E-06
2505	741796.15	4109823.91	1.47E-03	2.68E-03	1.47E-04	2.28E-04	4.39E-04	2.21E-05	2.22E-04	3.78E-04	2.80E-05	1.26E-04	2.09E-04	6.91E-06
2506	741817.96	4109792.6	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.75E-04	1.88E-05	1.89E-04	3.23E-04	2.39E-05	1.08E-04	1.78E-04	5.90E-06
2507	741801.43	4110039.2	7.18E-03	1.31E-02	7.18E-04	1.11E-03	2.14E-03	1.08E-04	1.08E-03	1.84E-03	1.37E-04	6.15E-04	1.02E-03	3.37E-05
2508	741824.31	4110075.2	8.38E-03	1.53E-02	8.38E-04	1.30E-03	2.50E-03	1.26E-04	1.26E-03	2.15E-03	1.60E-04	7.18E-04	1.19E-03	3.94E-05
2509	741744.1	4110027.15	3.87E-03	7.06E-03	3.88E-04	6.01E-04	1.16E-03	5.81E-05	5.84E-04	9.96E-04	7.38E-05	3.32E-04	5.49E-04	1.82E-05
2510	741736.73	4109985.4	3.18E-03	5.80E-03	3.18E-04	4.93E-04	9.51E-04	4.78E-05	4.80E-04	8.18E-04	6.06E-05	2.73E-04	4.51E-04	1.50E-05
2511	741729.36	4109943.64	2.42E-03	4.40E-03	2.42E-04	3.75E-04	7.22E-04	3.63E-05	3.65E-04	6.21E-04	4.61E-05	2.07E-04	3.43E-04	1.14E-05
2512	741726.73	4109842.74	1.34E-03	2.44E-03	1.34E-04	2.08E-04	4.00E-04	2.01E-05	2.02E-04	3.44E-04	2.55E-05	1.15E-04	1.90E-04	6.29E-06
2513	741750.96	4109807.94	1.18E-03	2.14E-03	1.18E-04	1.82E-04	3.51E-04	1.76E-05	1.77E-04	3.02E-04	2.24E-05	1.01E-04	1.67E-04	5.53E-06
2514	741775.19	4109773.15	9.99E-04	1.82E-03	1.00E-04	1.55E-04	2.99E-04	1.50E-05	1.51E-04	2.57E-04	1.90E-05	8.56E-05	1.42E-04	4.70E-06
2515	741799.42	4109738.35	8.57E-04	1.56E-03	8.58E-05	1.33E-04	2.56E-04	1.29E-05	1.29E-04	2.20E-04	1.63E-05	7.35E-05	1.22E-04	4.03E-06
2516	741759.23	4110066.03	4.44E-03	8.09E-03	4.44E-04	6.89E-04	1.33E-03	6.66E-05	6.70E-04	1.14E-03	8.46E-05	3.81E-04	6.30E-04	2.09E-05

2517	741782.12	4110102.02	4.81E-03	8.76E-03	4.81E-04	7.45E-04	1.44E-03	7.21E-05	7.25E-04	1.24E-03	9.16E-05	4.12E-04	6.82E-04	2.26E-05
2518	741701.98	4110054.36	2.89E-03	5.27E-03	2.90E-04	4.49E-04	8.65E-04	4.34E-05	4.36E-04	7.44E-04	5.51E-05	2.48E-04	4.10E-04	1.36E-05
2519	741694.74	4110013.36	2.69E-03	4.89E-03	2.69E-04	4.16E-04	8.02E-04	4.03E-05	4.05E-04	6.90E-04	5.12E-05	2.30E-04	3.81E-04	1.26E-05
2520	741687.5	4109972.37	2.28E-03	4.15E-03	2.28E-04	3.53E-04	6.81E-04	3.42E-05	3.44E-04	5.86E-04	4.34E-05	1.95E-04	3.23E-04	1.07E-05
2521	741680.26	4109931.37	1.83E-03	3.33E-03	1.83E-04	2.84E-04	5.46E-04	2.75E-05	2.76E-04	4.70E-04	3.49E-05	1.57E-04	2.59E-04	8.60E-06
2522	741673.02	4109890.38	1.44E-03	2.62E-03	1.44E-04	2.23E-04	4.29E-04	2.15E-05	2.16E-04	3.69E-04	2.74E-05	1.23E-04	2.04E-04	6.75E-06
2523	741701.47	4109798.14	9.92E-04	1.81E-03	9.93E-05	1.54E-04	2.96E-04	1.49E-05	1.50E-04	2.55E-04	1.89E-05	8.50E-05	1.41E-04	4.66E-06
2524	741725.26	4109763.97	8.63E-04	1.57E-03	8.63E-05	1.34E-04	2.58E-04	1.30E-05	1.30E-04	2.22E-04	1.64E-05	7.39E-05	1.22E-04	4.06E-06
2525	741749.05	4109729.81	7.42E-04	1.35E-03	7.42E-05	1.15E-04	2.22E-04	1.11E-05	1.12E-04	1.91E-04	1.41E-05	6.36E-05	1.05E-04	3.49E-06
2526	741772.84	4109695.65	6.55E-04	1.19E-03	6.55E-05	1.02E-04	1.96E-04	9.82E-06	9.87E-05	1.68E-04	1.25E-05	5.61E-05	9.28E-05	3.08E-06
2527	741717.04	4110092.86	3.06E-03	5.57E-03	3.06E-04	4.74E-04	9.13E-04	4.59E-05	4.61E-04	7.86E-04	5.82E-05	2.62E-04	4.33E-04	1.44E-05
2528	741739.92	4110128.85	3.17E-03	5.77E-03	3.17E-04	4.91E-04	9.46E-04	4.75E-05	4.77E-04	8.14E-04	6.03E-05	2.71E-04	4.49E-04	1.49E-05
2529	741617.67	4110108.47	1.72E-03	3.13E-03	1.72E-04	2.67E-04	5.13E-04	2.58E-05	2.59E-04	4.42E-04	3.28E-05	1.47E-04	2.44E-04	8.08E-06
2530	741610.59	4110068.38	1.76E-03	3.21E-03	1.76E-04	2.73E-04	5.26E-04	2.64E-05	2.66E-04	4.53E-04	3.36E-05	1.51E-04	2.50E-04	8.28E-06
2531	741603.51	4110028.3	1.72E-03	3.14E-03	1.72E-04	2.67E-04	5.15E-04	2.59E-05	2.60E-04	4.43E-04	3.28E-05	1.48E-04	2.44E-04	8.09E-06
2532	741596.43	4109988.21	1.59E-03	2.89E-03	1.59E-04	2.46E-04	4.74E-04	2.38E-05	2.39E-04	4.08E-04	3.02E-05	1.36E-04	2.25E-04	7.46E-06
2533	741589.35	4109948.13	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.17E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.57E-06
2534	741582.28	4109908.04	1.19E-03	2.16E-03	1.19E-04	1.84E-04	3.54E-04	1.78E-05	1.79E-04	3.05E-04	2.26E-05	1.02E-04	1.68E-04	5.57E-06
2535	741575.2	4109867.96	9.86E-04	1.80E-03	9.87E-05	1.53E-04	2.95E-04	1.48E-05	1.49E-04	2.53E-04	1.88E-05	8.45E-05	1.40E-04	4.63E-06
2536	741579.75	4109811.17	7.93E-04	1.44E-03	7.93E-05	1.23E-04	2.37E-04	1.19E-05	1.20E-04	2.04E-04	1.51E-05	6.79E-05	1.12E-04	3.73E-06
2537	741603.01	4109777.77	7.29E-04	1.33E-03	7.29E-05	1.13E-04	2.18E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.25E-05	1.03E-04	3.43E-06
2538	741649.54	4109710.96	5.89E-04	1.07E-03	5.89E-05	9.14E-05	1.76E-04	8.84E-06	8.88E-05	1.51E-04	1.12E-05	5.05E-05	8.35E-05	2.77E-06
2539	741672.8	4109677.56	5.19E-04	9.46E-04	5.19E-05	8.05E-05	1.55E-04	7.79E-06	7.83E-05	1.33E-04	9.89E-06	4.45E-05	7.36E-05	2.44E-06
2540	741696.06	4109644.16	4.65E-04	8.48E-04	4.65E-05	7.21E-05	1.39E-04	6.98E-06	7.02E-05	1.20E-04	8.86E-06	3.99E-05	6.60E-05	2.19E-06
2541	741719.32	4109610.75	4.28E-04	7.80E-04	4.29E-05	6.64E-05	1.28E-04	6.43E-06	6.46E-05	1.10E-04	8.16E-06	3.67E-05	6.07E-05	2.01E-06
2542	741632.65	4110146.51	1.70E-03	3.09E-03	1.70E-04	2.63E-04	5.07E-04	2.55E-05	2.56E-04	4.36E-04	3.24E-05	1.45E-04	2.41E-04	7.98E-06
2543	741655.53	4110182.5	1.71E-03	3.11E-03	1.71E-04	2.65E-04	5.10E-04	2.56E-05	2.57E-04	4.38E-04	3.25E-05	1.46E-04	2.42E-04	8.02E-06
2544	741533.13	4110161.29	1.11E-03	2.03E-03	1.12E-04	1.73E-04	3.33E-04	1.67E-05	1.68E-04	2.87E-04	2.12E-05	9.55E-05	1.58E-04	5.24E-06
2545	741525.76	4110119.53	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.53E-04	1.77E-05	1.78E-04	3.04E-04	2.25E-05	1.01E-04	1.67E-04	5.55E-06
2546	741518.39	4110077.78	1.22E-03	2.23E-03	1.22E-04	1.90E-04	3.65E-04	1.84E-05	1.84E-04	3.14E-04	2.33E-05	1.05E-04	1.73E-04	5.75E-06
2547	741511.01	4110036.02	1.21E-03	2.21E-03	1.21E-04	1.88E-04	3.62E-04	1.82E-05	1.83E-04	3.11E-04	2.31E-05	1.04E-04	1.72E-04	5.69E-06
2548	741503.64	4109994.27	1.14E-03	2.08E-03	1.14E-04	1.77E-04	3.41E-04	1.71E-05	1.72E-04	2.93E-04	2.17E-05	9.78E-05	1.62E-04	5.36E-06
2549	741496.27	4109952.51	1.04E-03	1.89E-03	1.04E-04	1.61E-04	3.10E-04	1.56E-05	1.57E-04	2.67E-04	1.98E-05	8.89E-05	1.47E-04	4.88E-06
2550	741488.89	4109910.76	9.19E-04	1.67E-03	9.19E-05	1.42E-04	2.74E-04	1.38E-05	1.39E-04	2.36E-04	1.75E-05	7.87E-05	1.30E-04	4.32E-06
2551	741481.52	4109869	7.97E-04	1.45E-03	7.97E-05	1.24E-04	2.38E-04	1.20E-05	1.20E-04	2.05E-04	1.52E-05	6.83E-05	1.13E-04	3.74E-06
2552	741474.15	4109827.25	6.86E-04	1.25E-03	6.86E-05	1.06E-04	2.05E-04	1.03E-05	1.03E-04	1.76E-04	1.31E-05	5.88E-05	9.72E-05	3.22E-06
2553	741482.58	4109788.97	6.13E-04	1.12E-03	6.13E-05	9.50E-05	1.83E-04	9.19E-06	9.24E-05	1.57E-04	1.17E-05	5.25E-05	8.69E-05	2.88E-06
2554	741506.81	4109754.18	5.62E-04	1.02E-03	5.62E-05	8.71E-05	1.68E-04	8.43E-06	8.47E-05	1.44E-04	1.07E-05	4.81E-05	7.96E-05	2.64E-06
2555	741531.04	4109719.38	5.11E-04	9.30E-04	5.11E-05	7.92E-05	1.53E-04	7.66E-06	7.70E-05	1.31E-04	9.73E-06	4.38E-05	7.24E-05	2.40E-06
2556	741555.27	4109684.58	4.64E-04	8.45E-04	4.64E-05	7.19E-05	1.39E-04	6.96E-06	6.99E-05	1.19E-04	8.84E-06	3.97E-05	6.57E-05	2.18E-06
2557	741603.73	4109614.99	3.77E-04	6.86E-04	3.77E-05	5.84E-05	1.13E-04	5.65E-06	5.68E-05	9.68E-05	7.18E-06	3.23E-05	5.34E-05	1.77E-06
2558	741627.96	4109580.2	3.43E-04	6.25E-04	3.43E-05	5.32E-05	1.03E-04	5.15E-06	5.18E-05	8.82E-05	6.54E-06	2.94E-05	4.87E-05	1.61E-06
2559	741652.19	4109545.4	3.20E-04	5.83E-04	3.20E-05	4.96E-05	9.55E-05	4.80E-06	4.82E-05	8.22E-05	6.09E-06	2.74E-05	4.53E-05	1.50E-06
2560	741548.26	4110200.16	1.09E-03	1.98E-03	1.09E-04	1.69E-04	3.25E-04	1.63E-05	1.64E-04	2.80E-04	2.07E-05	9.32E-05	1.54E-04	5.11E-06
2561	741571.15	4110236.16	1.10E-03	2.01E-03	1.10E-04	1.71E-04	3.29E-04	1.65E-05	1.66E-04	2.83E-04	2.10E-05	9.43E-05	1.56E-04	5.17E-06
2562	741448.81	4110215.32	7.80E-04	1.42E-03	7.81E-05	1.21E-04	2.33E-04	1.17E-05	1.18E-04	2.01E-04	1.49E-05	6.69E-05	1.11E-04	3.67E-06
2563	741441.57	4110174.32	8.25E-04	1.50E-03	8.25E-05	1.28E-04	2.46E-04	1.24E-05	1.24E-04	2.12E-04	1.57E-05	7.07E-05	1.17E-04	3.88E-06
2564	741434.33	4110133.33	8.77E-04	1.60E-03	8.77E-05	1.36E-04	2.62E-04	1.32E-05	1.32E-04	2.25E-04	1.67E-05	7.51E-05	1.24E-04	4.12E-06
2565	741427.09	4110092.33	9.15E-04	1.67E-03	9.15E-05	1.42E-04	2.73E-04	1.37E-05	1.38E-04	2.35E-04	1.74E-05	7.84E-05	1.30E-04	4.30E-06
2566	741419.85	4110051.33	9.18E-04	1.67E-03	9.18E-05	1.42E-04	2.74E-04	1.38E-05	1.38E-04	2.36E-04	1.75E-05	7.86E-05	1.30E-04	4.31E-06
2567	741412.61	4110010.34	8.81E-04	1.61E-03	8.82E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.27E-04	1.68E-05	7.55E-05	1.25E-04	4.14E-06
2568	741405.38	4109969.34	8.21E-04	1.50E-03	8.22E-05	1.27E-04	2.45E-04	1.23E-05	1.24E-04	2.11E-04	1.56E-05	7.04E-05	1.16E-04	3.86E-06
2569	741398.14	4109928.35	7.53E-04	1.37E-03	7.53E-05	1.17E-04	2.25E-04	1.13E-05	1.13E-04	1.93E-04	1.43E-05	6.45E-05	1.07E-04	3.54E-06
2570	741390.9	4109887.35	6.81E-04	1.24E-03	6.82E-05	1.06E-04	2.04E-04	1.02E-05	1.03E-04	1.75E-04	1.30E-05	5.84E-05	9.66E-05	3.20E-06
2571	741383.66	4109846.36	6.10E-04	1.11E-03	6.11E-05	9.46E-05	1.82E-04	9.16E-06	9.20E-05	1.57E-04	1.16E-05	5.23E-05	8.65E-05	2.87E-06
2572	741376.42	4109805.36	5.43E-04	9.89E-04	5.43E-05	8.42E-05	1.62E-04	8.15E-06	8.19E-05	1.40E-04	1.03E-05	4.65E-05	7.70E-05	2.55E-06
2573	741384.7	4109767.78	4.96E-04	9.03E-04	4.96E-05	7.69E-05	1.48E-04	7.44E-06	7.47E-05	1.27E-04	9.44E-06	4.25E-05	7.03E-05	2.33E-06
2574	741408.49	4109733.62	4.59E-04	8.37E-04	4.59E-05	7.12E-05	1.37E-04	6.89E-06	6.92E-05	1.18E-04	8.75E-06	3.93E-05	6.51E-05	2.16E-06
2575	741432.28	4109699.45	4.18E-04	7.62E-04	4.18E-05	6.49E-05	1.25E-04	6.28E-06	6.31E-05	1.08E-04	7.97E-06	3.58E-05	5.93E-05	1.97E-06
2576	741456.07	4109665.29	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.73E-05	9.76E-05	7.24E-06	3.25E-05	5.39E-05	1.78E-06
2577	741479.86	4109631.13	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.95E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
2578	741503.65	4109596.97	3.21E-04	5.85E-04	3.21E-05	4.98E-05	9.58E-05	4.82E-06	4.84E-05	8.25E-05	6.11E-06	2.75E-05	4.55E-05	1.51E-06
2579	741551.23	4109528.64	2.74E-04	4.99E-04	2.74E-05	4.25E-05	8.19E-05	4.11E-06	4.13E-05	7.04E-05	5.22E-06	2.35E-05	3.88E-05	1.29E-06
2580	741575.02	4109494.48	2.57E-04	4.68E-04	2.57E-05	3.98E-05	7.68E-05	3.86E-06	3.87E-05	6.60E-05	4.90E-06	2.20E-05	3.64E-05	1.21E-06
2581	741598.81	4109460.32	2.43E-04	4.44E-04	2.44E-05	3.78E-05	7.27E-05	3.65E-06	3.67E-05	6.26E-05	4.64E-06	2.09E-05	3.45E-05	1.14E-06
2582	741463.87	4110253.81	7.70E-04	1.40E-03	7.71E-05	1.19E-04	2.30E-04	1.16E-05	1.16E-04	1.98E-04	1.47E-05	6.60E-05	1.09E-04	3.62E-06
2583	741486.76	4110289.81	7.85E-04	1.43E-03	7.85E-05	1.22E-04	2.34E-04	1.18E-05	1.18E-04	2.02E-04	1.50E-05	6.72E-05	1.11E-04	3.69E-06
2584	741364.47	4110269.23	5.86E-04	1.07E-03	5.87E-05	9.09E-05	1.75E-04	8.80E-06	8.84E-05	1.51E-04	1.12E-05	5.02E-05	8.31E-05	2.75E-06
2585	741357.32	4110228.76	6.09E-04	1.11E-03	6.10E-05	9.45E-05	1.82E-04	9.14E-06	9.19E-05	1.57E-04	1.16E-05	5.22E-05	8.64E-05	2.86E-06
2586	741350.18	4110188.29	6.45E-04	1.17E-03	6.45E-05	1.00E-04	1.93E-04	9.67E-06	9.72E-05	1.66E-04	1.23E-05	5.52E-05	9.14E-05	3.03E-06
2587	741343.03	4110147.82	6.86E-04	1.25E-03	6.86E-05	1.06E-04	2.05E-04	1.03E-05	1.03E-04	1.76E-04	1.31E-05	5.88E-05	9.73E-05	3.22E-06
2588	741335.88	4110107.35	7.19E-04	1.31E-03	7.19E-05	1.11E-04	2.15E-04	1.08E-05	1.08E-04	1.85E-04	1.37E-05	6.16E-05	1.02E-04	3.38E-06

2589	741328.74	4110066.88	7.27E-04	1.33E-03	7.28E-05	1.13E-04	2.17E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.23E-05	1.03E-04	3.42E-06
2590	741321.59	4110026.41	7.07E-04	1.29E-03	7.07E-05	1.10E-04	2.11E-04	1.06E-05	1.07E-04	1.82E-04	1.35E-05	6.06E-05	1.00E-04	3.32E-06
2591	741314.44	4109985.94	6.67E-04	1.21E-03	6.67E-05	1.03E-04	1.99E-04	1.00E-05	1.01E-04	1.71E-04	1.27E-05	5.71E-05	9.45E-05	3.13E-06
2592	741307.3	4109945.47	6.20E-04	1.13E-03	6.21E-05	9.62E-05	1.85E-04	9.31E-06	9.36E-05	1.59E-04	1.18E-05	5.32E-05	8.80E-05	2.92E-06
2593	741300.15	4109905	5.75E-04	1.05E-03	5.75E-05	8.92E-05	1.72E-04	8.63E-06	8.67E-05	1.48E-04	1.10E-05	4.93E-05	8.15E-05	2.70E-06
2594	741293.01	4109864.53	5.31E-04	9.67E-04	5.31E-05	8.23E-05	1.59E-04	7.97E-06	8.01E-05	1.36E-04	1.01E-05	4.55E-05	7.53E-05	2.49E-06
2595	741285.86	4109824.06	4.87E-04	8.87E-04	4.87E-05	7.55E-05	1.45E-04	7.31E-06	7.34E-05	1.25E-04	9.28E-06	4.17E-05	6.90E-05	2.29E-06
2596	741278.71	4109783.59	4.43E-04	8.08E-04	4.44E-05	6.88E-05	1.32E-04	6.66E-06	6.69E-05	1.14E-04	8.45E-06	3.80E-05	6.29E-05	2.08E-06
2597	741286.88	4109746.49	4.12E-04	7.50E-04	4.12E-05	6.38E-05	1.23E-04	6.18E-06	6.21E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.93E-06
2598	741310.37	4109712.77	3.86E-04	7.04E-04	3.87E-05	5.99E-05	1.15E-04	5.80E-06	5.83E-05	9.93E-05	7.36E-06	3.31E-05	5.48E-05	1.82E-06
2599	741333.85	4109679.04	3.55E-04	6.47E-04	3.55E-05	5.51E-05	1.06E-04	5.33E-06	5.36E-05	9.13E-05	6.77E-06	3.04E-05	5.04E-05	1.67E-06
2600	741357.34	4109645.32	3.23E-04	5.88E-04	3.23E-05	5.00E-05	9.64E-05	4.84E-06	4.87E-05	8.29E-05	6.15E-06	2.76E-05	4.57E-05	1.52E-06
2601	741380.82	4109611.59	2.94E-04	5.36E-04	2.94E-05	4.56E-05	8.78E-05	4.41E-06	4.43E-05	7.55E-05	5.60E-06	2.52E-05	4.17E-05	1.38E-06
2602	741404.31	4109577.87	2.71E-04	4.95E-04	2.72E-05	4.21E-05	8.11E-05	4.07E-06	4.09E-05	6.98E-05	5.17E-06	2.33E-05	3.85E-05	1.28E-06
2603	741427.79	4109544.14	2.54E-04	4.62E-04	2.54E-05	3.94E-05	7.58E-05	3.81E-06	3.83E-05	6.52E-05	4.84E-06	2.17E-05	3.60E-05	1.19E-06
2604	741451.28	4109510.42	2.38E-04	4.35E-04	2.39E-05	3.70E-05	7.12E-05	3.58E-06	3.60E-05	6.13E-05	4.54E-06	2.04E-05	3.38E-05	1.12E-06
2605	741498.25	4109442.97	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.20E-06	3.21E-05	5.47E-05	4.06E-06	1.82E-05	3.02E-05	1.00E-06
2606	741521.74	4109409.25	2.03E-04	3.70E-04	2.03E-05	3.15E-05	6.06E-05	3.04E-06	3.06E-05	5.21E-05	3.87E-06	1.74E-05	2.88E-05	9.53E-07
2607	741545.22	4109375.52	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.11E-07
2608	741379.48	4110307.47	5.85E-04	1.07E-03	5.85E-05	9.06E-05	1.75E-04	8.77E-06	8.81E-05	1.50E-04	1.11E-05	5.01E-05	8.29E-05	2.75E-06
2609	741402.37	4110343.46	5.97E-04	1.09E-03	5.97E-05	9.25E-05	1.78E-04	8.96E-06	9.00E-05	1.53E-04	1.14E-05	5.11E-05	8.46E-05	2.80E-06
2610	741195.65	4110376.28	3.78E-04	6.89E-04	3.78E-05	5.86E-05	1.13E-04	5.67E-06	5.70E-05	9.72E-05	7.20E-06	3.24E-05	5.36E-05	1.78E-06
2611	741188.41	4110335.28	3.85E-04	7.01E-04	3.85E-05	5.97E-05	1.15E-04	5.77E-06	5.80E-05	9.89E-05	7.33E-06	3.30E-05	5.45E-05	1.81E-06
2612	741181.17	4110294.28	3.96E-04	7.21E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.54E-06	3.39E-05	5.61E-05	1.86E-06
2613	741173.93	4110253.29	4.14E-04	7.54E-04	4.14E-05	6.41E-05	1.24E-04	6.21E-06	6.24E-05	1.06E-04	7.88E-06	3.54E-05	5.86E-05	1.94E-06
2614	741166.69	4110212.29	4.39E-04	8.00E-04	4.39E-05	6.81E-05	1.31E-04	6.59E-06	6.62E-05	1.13E-04	8.36E-06	3.76E-05	6.22E-05	2.06E-06
2615	741159.45	4110171.3	4.68E-04	8.52E-04	4.68E-05	7.25E-05	1.40E-04	7.02E-06	7.05E-05	1.20E-04	8.91E-06	4.01E-05	6.63E-05	2.20E-06
2616	741152.21	4110130.3	4.91E-04	8.95E-04	4.91E-05	7.62E-05	1.47E-04	7.37E-06	7.41E-05	1.26E-04	9.36E-06	4.21E-05	6.96E-05	2.31E-06
2617	741144.97	4110089.31	5.00E-04	9.11E-04	5.00E-05	7.75E-05	1.49E-04	7.50E-06	7.54E-05	1.28E-04	9.53E-06	4.28E-05	7.09E-05	2.35E-06
2618	741137.73	4110048.31	4.90E-04	8.93E-04	4.91E-05	7.60E-05	1.46E-04	7.36E-06	7.39E-05	1.26E-04	9.34E-06	4.20E-05	6.95E-05	2.30E-06
2619	741130.49	4110007.31	4.67E-04	8.50E-04	4.67E-05	7.24E-05	1.39E-04	7.00E-06	7.04E-05	1.20E-04	8.89E-06	4.00E-05	6.62E-05	2.19E-06
2620	741123.25	4109966.32	4.37E-04	7.97E-04	4.38E-05	6.78E-05	1.31E-04	6.57E-06	6.60E-05	1.12E-04	8.34E-06	3.75E-05	6.20E-05	2.06E-06
2621	741116.02	4109925.32	4.10E-04	7.47E-04	4.10E-05	6.36E-05	1.22E-04	6.15E-06	6.18E-05	1.05E-04	7.81E-06	3.51E-05	5.81E-05	1.93E-06
2622	741108.78	4109884.33	3.87E-04	7.05E-04	3.87E-05	6.00E-05	1.16E-04	5.81E-06	5.83E-05	9.94E-05	7.37E-06	3.31E-05	5.48E-05	1.82E-06
2623	741101.54	4109843.33	3.67E-04	6.69E-04	3.67E-05	5.69E-05	1.10E-04	5.51E-06	5.53E-05	9.43E-05	6.99E-06	3.14E-05	5.20E-05	1.72E-06
2624	741094.3	4109802.33	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.94E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
2625	741087.06	4109761.34	3.28E-04	5.97E-04	3.28E-05	5.08E-05	9.79E-05	4.92E-06	4.94E-05	8.42E-05	6.24E-06	2.81E-05	4.65E-05	1.54E-06
2626	741091.72	4109703.26	3.00E-04	5.47E-04	3.00E-05	4.65E-05	8.97E-05	4.50E-06	4.53E-05	7.71E-05	5.72E-06	2.57E-05	4.25E-05	1.41E-06
2627	741115.51	4109669.1	2.86E-04	5.22E-04	2.87E-05	4.44E-05	8.56E-05	4.30E-06	4.32E-05	7.36E-05	5.46E-06	2.45E-05	4.06E-05	1.35E-06
2628	741139.3	4109634.94	2.69E-04	4.90E-04	2.69E-05	4.17E-05	8.03E-05	4.03E-06	4.05E-05	6.91E-05	5.12E-06	2.30E-05	3.81E-05	1.26E-06
2629	741163.09	4109600.77	2.48E-04	4.52E-04	2.48E-05	3.84E-05	7.40E-05	3.72E-06	3.74E-05	6.37E-05	4.72E-06	2.12E-05	3.51E-05	1.16E-06
2630	741186.88	4109566.61	2.26E-04	4.12E-04	2.26E-05	3.50E-05	6.75E-05	3.39E-06	3.41E-05	5.81E-05	4.31E-06	1.94E-05	3.20E-05	1.06E-06
2631	741210.67	4109532.45	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
2632	741234.46	4109498.29	1.90E-04	3.46E-04	1.90E-05	2.94E-05	5.67E-05	2.85E-06	2.86E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.92E-07
2633	741258.25	4109464.12	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.36E-07
2634	741282.04	4109429.96	1.69E-04	3.08E-04	1.69E-05	2.62E-05	5.05E-05	2.54E-06	2.55E-05	4.35E-05	3.22E-06	1.45E-05	2.40E-05	7.95E-07
2635	741305.83	4109395.8	1.63E-04	2.96E-04	1.63E-05	2.52E-05	4.86E-05	2.44E-06	2.45E-05	4.18E-05	3.10E-06	1.39E-05	2.30E-05	7.64E-07
2636	741329.62	4109361.63	1.57E-04	2.86E-04	1.57E-05	2.44E-05	4.69E-05	2.36E-06	2.37E-05	4.04E-05	2.99E-06	1.35E-05	2.23E-05	7.38E-07
2637	741353.41	4109327.47	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.91E-05	2.90E-06	1.30E-05	2.16E-05	7.16E-07
2638	741377.2	4109293.31	1.47E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.93E-07
2639	741400.99	4109259.15	1.42E-04	2.59E-04	1.42E-05	2.21E-05	4.25E-05	2.14E-06	2.15E-05	3.66E-05	2.71E-06	1.22E-05	2.02E-05	6.69E-07
2640	741424.78	4109224.98	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
2641	741448.57	4109190.82	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.92E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
2642	741210.71	4110414.77	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.72E-05	9.76E-05	7.23E-06	3.25E-05	5.38E-05	1.78E-06
2643	741233.59	4110450.77	3.88E-04	7.07E-04	3.88E-05	6.01E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
2644	741026.84	4110483.41	2.71E-04	4.94E-04	2.71E-05	4.20E-05	8.09E-05	4.07E-06	4.09E-05	6.97E-05	5.16E-06	2.32E-05	3.84E-05	1.27E-06
2645	741019.54	4110442.07	2.74E-04	4.99E-04	2.74E-05	4.24E-05	8.18E-05	4.11E-06	4.13E-05	7.04E-05	5.22E-06	2.35E-05	3.88E-05	1.29E-06
2646	741012.24	4110400.74	2.78E-04	5.06E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.14E-05	5.29E-06	2.38E-05	3.94E-05	1.31E-06
2647	741004.94	4110359.4	2.84E-04	5.17E-04	2.84E-05	4.40E-05	8.47E-05	4.26E-06	4.28E-05	7.29E-05	5.41E-06	2.43E-05	4.02E-05	1.33E-06
2648	740997.64	4110318.06	2.93E-04	5.34E-04	2.93E-05	4.54E-05	8.75E-05	4.40E-06	4.42E-05	7.53E-05	5.58E-06	2.51E-05	4.16E-05	1.38E-06
2649	740990.34	4110276.72	3.07E-04	5.60E-04	3.08E-05	4.77E-05	9.18E-05	4.61E-06	4.64E-05	7.90E-05	5.86E-06	2.63E-05	4.36E-05	1.44E-06
2650	740983.04	4110235.39	3.27E-04	5.95E-04	3.27E-05	5.07E-05	9.76E-05	4.90E-06	4.93E-05	8.40E-05	6.22E-06	2.80E-05	4.63E-05	1.53E-06
2651	740975.74	4110194.05	3.47E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
2652	740968.44	4110152.71	3.64E-04	6.64E-04	3.64E-05	5.65E-05	1.09E-04	5.47E-06	5.49E-05	9.36E-05	6.94E-06	3.12E-05	5.16E-05	1.71E-06
2653	740961.14	4110111.37	3.71E-04	6.76E-04	3.71E-05	5.76E-05	1.11E-04	5.57E-06	5.60E-05	9.54E-05	7.07E-06	3.18E-05	5.26E-05	1.74E-06
2654	740953.84	4110070.04	3.66E-04	6.67E-04	3.66E-05	5.68E-05	1.09E-04	5.50E-06	5.52E-05	9.41E-05	6.98E-06	3.14E-05	5.19E-05	1.72E-06
2655	740946.55	4110028.7	3.52E-04	6.40E-04	3.52E-05	5.45E-05	1.05E-04	5.28E-06	5.30E-05	9.04E-05	6.70E-06	3.01E-05	4.98E-05	1.65E-06
2656	740939.25	4109987.36	3.32E-04	6.04E-04	3.32E-05	5.14E-05	9.91E-05	4.98E-06	5.00E-05	8.52E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
2657	740931.95	4109946.02	3.11E-04	5.67E-04	3.11E-05	4.83E-05	9.30E-05	4.67E-06	4.69E-05	8.00E-05	5.93E-06	2.67E-05	4.41E-05	1.46E-06
2658	740924.65	4109904.69	2.94E-04	5.36E-04	2.94E-05	4.56E-05	8.78E-05	4.41E-06	4.43E-05	7.55E-05	5.60E-06	2.52E-05	4.17E-05	1.38E-06
2659	740917.35	4109863.35	2.80E-04	5.11E-04	2.81E-05	4.35E-05	8.38E-05	4.21E-06	4.23E-05	7.21E-05	5.34E-06	2.40E-05	3.98E-05	1.32E-06
2660	740910.05	4109822.01	2.70E-04	4.92E-04	2.70E-05	4.19E-05	8.07E-05	4.06E-06	4.08E-05	6.95E-05	5.15E-06	2.32E-05	3.83E-05	1.27E-06

2661	740902.75	4109780.67	2.61E-04	4.76E-04	2.61E-05	4.05E-05	7.81E-05	3.92E-06	3.94E-05	6.72E-05	4.98E-06	2.24E-05	3.71E-05	1.23E-06
2662	740895.45	4109739.34	2.52E-04	4.59E-04	2.52E-05	3.91E-05	7.52E-05	3.78E-06	3.80E-05	6.47E-05	4.80E-06	2.16E-05	3.57E-05	1.18E-06
2663	740888.15	4109698	2.41E-04	4.38E-04	2.41E-05	3.73E-05	7.19E-05	3.61E-06	3.63E-05	6.18E-05	4.58E-06	2.06E-05	3.41E-05	1.13E-06
2664	740896.49	4109660.11	2.31E-04	4.22E-04	2.32E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.95E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
2665	740920.48	4109625.66	2.23E-04	4.07E-04	2.24E-05	3.46E-05	6.67E-05	3.35E-06	3.37E-05	5.74E-05	4.26E-06	1.91E-05	3.17E-05	1.05E-06
2666	740944.47	4109591.21	2.12E-04	3.87E-04	2.12E-05	3.29E-05	6.34E-05	3.18E-06	3.20E-05	5.45E-05	4.04E-06	1.82E-05	3.01E-05	9.97E-07
2667	740968.46	4109556.76	1.99E-04	3.63E-04	1.99E-05	3.09E-05	5.94E-05	2.99E-06	3.00E-05	5.12E-05	3.79E-06	1.71E-05	2.82E-05	9.35E-07
2668	740992.45	4109522.32	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.51E-05	2.77E-06	2.78E-05	4.74E-05	3.52E-06	1.58E-05	2.62E-05	8.67E-07
2669	741016.44	4109487.87	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.41E-05	7.97E-07
2670	741040.43	4109453.42	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.31E-07
2671	741064.41	4109418.97	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.15E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
2672	741088.4	4109384.53	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.45E-05	2.55E-06	1.15E-05	1.90E-05	6.30E-07
2673	741112.39	4109350.08	1.27E-04	2.31E-04	1.27E-05	1.97E-05	3.79E-05	1.91E-06	1.92E-05	3.26E-05	2.42E-06	1.09E-05	1.80E-05	5.97E-07
2674	741136.38	4109315.63	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.14E-05	2.32E-06	1.05E-05	1.73E-05	5.73E-07
2675	741160.37	4109281.19	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
2676	741184.36	4109246.74	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.48E-05	1.75E-06	1.75E-05	2.99E-05	2.22E-06	9.97E-06	1.65E-05	5.47E-07
2677	741208.35	4109212.29	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.83E-06	1.63E-05	5.39E-07
2678	741232.33	4109177.84	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.15E-06	9.69E-06	1.60E-05	5.31E-07
2679	741256.32	4109143.4	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.49E-06	1.57E-05	5.21E-07
2680	741280.31	4109108.95	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.22E-05	1.62E-06	1.62E-05	2.77E-05	2.05E-06	9.23E-06	1.53E-05	5.06E-07
2681	741304.3	4109074.5	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
2682	741328.29	4109040.05	9.97E-05	1.82E-04	9.98E-06	1.55E-05	2.98E-05	1.50E-06	1.50E-05	2.56E-05	1.90E-06	8.54E-06	1.41E-05	4.69E-07
2683	741041.93	4110522.08	2.73E-04	4.97E-04	2.73E-05	4.23E-05	8.14E-05	4.09E-06	4.11E-05	7.01E-05	5.19E-06	2.34E-05	3.87E-05	1.28E-06
2684	741064.82	4110558.07	2.78E-04	5.06E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.14E-05	5.29E-06	2.38E-05	3.94E-05	1.31E-06
2685	740858.04	4110590.6	2.07E-04	3.77E-04	2.07E-05	3.21E-05	6.18E-05	3.10E-06	3.12E-05	5.31E-05	3.94E-06	1.77E-05	2.93E-05	9.72E-07
2686	740850.7	4110549.02	2.08E-04	3.79E-04	2.08E-05	3.22E-05	6.21E-05	3.12E-06	3.14E-05	5.35E-05	3.96E-06	1.78E-05	2.95E-05	9.77E-07
2687	740843.36	4110507.44	2.10E-04	3.83E-04	2.10E-05	3.26E-05	6.27E-05	3.15E-06	3.17E-05	5.40E-05	4.00E-06	1.80E-05	2.98E-05	9.87E-07
2688	740836.02	4110465.86	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.19E-06	3.21E-05	5.47E-05	4.06E-06	1.82E-05	3.02E-05	1.00E-06
2689	740828.67	4110424.29	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.27E-05	5.57E-05	4.13E-06	1.86E-05	3.07E-05	1.02E-06
2690	740821.33	4110382.71	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.70E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
2691	740813.99	4110341.13	2.30E-04	4.19E-04	2.30E-05	3.57E-05	6.87E-05	3.45E-06	3.47E-05	5.91E-05	4.38E-06	1.97E-05	3.26E-05	1.08E-06
2692	740806.65	4110299.55	2.42E-04	4.41E-04	2.42E-05	3.75E-05	7.23E-05	3.63E-06	3.65E-05	6.22E-05	4.61E-06	2.07E-05	3.43E-05	1.14E-06
2693	740799.31	4110257.98	2.57E-04	4.68E-04	2.57E-05	3.99E-05	7.68E-05	3.86E-06	3.88E-05	6.61E-05	4.90E-06	2.20E-05	3.65E-05	1.21E-06
2694	740791.96	4110216.4	2.73E-04	4.97E-04	2.73E-05	4.23E-05	8.15E-05	4.09E-06	4.11E-05	7.01E-05	5.20E-06	2.34E-05	3.87E-05	1.28E-06
2695	740784.62	4110174.82	2.85E-04	5.19E-04	2.85E-05	4.42E-05	8.51E-05	4.27E-06	4.29E-05	7.32E-05	5.43E-06	2.44E-05	4.04E-05	1.34E-06
2696	740777.28	4110133.24	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.46E-05	5.53E-06	2.49E-05	4.11E-05	1.36E-06
2697	740769.94	4110091.67	2.87E-04	5.24E-04	2.88E-05	4.46E-05	8.59E-05	4.31E-06	4.33E-05	7.39E-05	5.48E-06	2.46E-05	4.08E-05	1.35E-06
2698	740762.6	4110050.09	2.78E-04	5.07E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.15E-05	5.30E-06	2.38E-05	3.94E-05	1.31E-06
2699	740755.26	4110008.51	2.64E-04	4.81E-04	2.64E-05	4.10E-05	7.89E-05	3.97E-06	3.98E-05	6.79E-05	5.03E-06	2.26E-05	3.75E-05	1.24E-06
2700	740747.91	4109966.94	2.49E-04	4.54E-04	2.49E-05	3.86E-05	7.44E-05	3.74E-06	3.76E-05	6.40E-05	4.75E-06	2.13E-05	3.53E-05	1.17E-06
2701	740740.57	4109925.36	2.35E-04	4.28E-04	2.35E-05	3.64E-05	7.01E-05	3.52E-06	3.54E-05	6.04E-05	4.47E-06	2.01E-05	3.33E-05	1.10E-06
2702	740733.23	4109883.78	2.23E-04	4.06E-04	2.23E-05	3.46E-05	6.66E-05	3.35E-06	3.36E-05	5.73E-05	4.25E-06	1.91E-05	3.16E-05	1.05E-06
2703	740725.89	4109842.2	2.14E-04	3.91E-04	2.15E-05	3.32E-05	6.41E-05	3.22E-06	3.23E-05	5.51E-05	4.09E-06	1.84E-05	3.04E-05	1.01E-06
2704	740718.55	4109800.63	2.08E-04	3.80E-04	2.09E-05	3.23E-05	6.23E-05	3.13E-06	3.14E-05	5.36E-05	3.97E-06	1.79E-05	2.96E-05	9.80E-07
2705	740711.21	4109759.05	2.04E-04	3.72E-04	2.04E-05	3.16E-05	6.09E-05	3.06E-06	3.07E-05	5.24E-05	3.89E-06	1.75E-05	2.89E-05	9.58E-07
2706	740703.86	4109717.47	1.99E-04	3.63E-04	2.00E-05	3.09E-05	5.96E-05	2.99E-06	3.01E-05	5.13E-05	3.80E-06	1.71E-05	2.83E-05	9.37E-07
2707	740696.52	4109675.89	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.11E-07
2708	740701.24	4109616.99	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.53E-05	2.78E-06	2.79E-05	4.76E-05	3.53E-06	1.59E-05	2.62E-05	8.70E-07
2709	740725.37	4109582.35	1.80E-04	3.29E-04	1.80E-05	2.80E-05	5.39E-05	2.71E-06	2.72E-05	4.64E-05	3.44E-06	1.55E-05	2.56E-05	8.47E-07
2710	740749.5	4109547.7	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.45E-05	8.13E-07
2711	740773.63	4109513.05	1.64E-04	2.99E-04	1.64E-05	2.54E-05	4.90E-05	2.46E-06	2.47E-05	4.22E-05	3.13E-06	1.41E-05	2.33E-05	7.71E-07
2712	740797.75	4109478.4	1.54E-04	2.81E-04	1.54E-05	2.39E-05	4.60E-05	2.31E-06	2.32E-05	3.96E-05	2.94E-06	1.32E-05	2.18E-05	7.24E-07
2713	740821.88	4109443.76	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.16E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
2714	740846.01	4109409.11	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.98E-05	2.00E-06	2.01E-05	3.42E-05	2.54E-06	1.14E-05	1.89E-05	6.26E-07
2715	740870.14	4109374.46	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
2716	740894.27	4109339.82	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.72E-06	1.72E-05	2.94E-05	2.18E-06	9.79E-06	1.62E-05	5.37E-07
2717	740918.39	4109305.17	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.19E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.14E-06	1.51E-05	5.01E-07
2718	740942.52	4109270.52	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.58E-05	1.92E-06	8.61E-06	1.43E-05	4.72E-07
2719	740966.65	4109235.87	9.60E-05	1.75E-04	9.60E-06	1.49E-05	2.87E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.22E-06	1.36E-05	4.51E-07
2720	740990.78	4109201.23	9.28E-05	1.69E-04	9.28E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.95E-06	1.32E-05	4.36E-07
2721	741014.9	4109166.58	9.08E-05	1.65E-04	9.09E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.78E-06	1.29E-05	4.27E-07
2722	741039.03	4109131.93	8.98E-05	1.64E-04	8.99E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.22E-07
2723	741063.16	4109097.28	8.95E-05	1.63E-04	8.95E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.67E-06	1.27E-05	4.20E-07
2724	741087.29	4109062.64	8.92E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.19E-07
2725	741111.42	4109027.99	8.87E-05	1.62E-04	8.87E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
2726	741135.54	4108993.34	8.74E-05	1.59E-04	8.75E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
2727	741159.67	4108958.7	8.53E-05	1.56E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
2728	741183.8	4108924.05	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
2729	741207.93	4108889.4	7.93E-05	1.44E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.79E-06	1.12E-05	3.73E-07
2730	741232.05	4108854.75	7.58E-05	1.38E-04	7.59E-06	1.18E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.50E-06	1.07E-05	3.56E-07
2731	740873.15	4110629.38	2.08E-04	3.79E-04	2.08E-05	3.23E-05	6.22E-05	3.13E-06	3.14E-05	5.35E-05	3.97E-06	1.78E-05	2.95E-05	9.79E-07
2732	740896.04	4110665.38	2.12E-04	3.86E-04	2.12E-05	3.28E-05	6.32E-05	3.18E-06	3.19E-05	5.44E-05	4.03E-06	1.81E-05	3.00E-05	9.95E-07

2733	740689.25	4110697.81	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.75E-07
2734	740681.88	4110656.06	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.48E-06	2.50E-05	4.26E-05	3.15E-06	1.42E-05	2.35E-05	7.78E-07
2735	740674.5	4110614.3	1.67E-04	3.04E-04	1.67E-05	2.58E-05	4.98E-05	2.50E-06	2.51E-05	4.28E-05	3.17E-06	1.43E-05	2.36E-05	7.83E-07
2736	740667.13	4110572.55	1.68E-04	3.06E-04	1.68E-05	2.61E-05	5.02E-05	2.52E-06	2.54E-05	4.32E-05	3.21E-06	1.44E-05	2.38E-05	7.90E-07
2737	740659.76	4110530.79	1.70E-04	3.10E-04	1.70E-05	2.64E-05	5.09E-05	2.56E-06	2.57E-05	4.38E-05	3.25E-06	1.46E-05	2.41E-05	8.00E-07
2738	740652.38	4110489.04	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.16E-05	2.59E-06	2.61E-05	4.44E-05	3.29E-06	1.48E-05	2.45E-05	8.12E-07
2739	740645.01	4110447.28	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.26E-05	2.64E-06	2.65E-05	4.53E-05	3.35E-06	1.51E-05	2.50E-05	8.27E-07
2740	740637.64	4110405.53	1.81E-04	3.29E-04	1.81E-05	2.80E-05	5.40E-05	2.71E-06	2.73E-05	4.65E-05	3.44E-06	1.55E-05	2.56E-05	8.50E-07
2741	740630.26	4110363.77	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.62E-05	2.82E-06	2.84E-05	4.84E-05	3.58E-06	1.61E-05	2.67E-05	8.84E-07
2742	740622.89	4110322.02	1.98E-04	3.61E-04	1.98E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.10E-05	3.78E-06	1.70E-05	2.81E-05	9.32E-07
2743	740615.52	4110280.26	2.11E-04	3.84E-04	2.11E-05	3.26E-05	6.29E-05	3.16E-06	3.17E-05	5.41E-05	4.01E-06	1.80E-05	2.98E-05	9.89E-07
2744	740608.14	4110238.51	2.22E-04	4.05E-04	2.22E-05	3.45E-05	6.64E-05	3.34E-06	3.35E-05	5.72E-05	4.24E-06	1.91E-05	3.15E-05	1.04E-06
2745	740600.77	4110196.75	2.31E-04	4.21E-04	2.31E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.94E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
2746	740593.4	4110155	2.35E-04	4.29E-04	2.35E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.48E-06	2.02E-05	3.33E-05	1.11E-06
2747	740586.02	4110113.24	2.34E-04	4.26E-04	2.34E-05	3.62E-05	6.98E-05	3.51E-06	3.52E-05	6.01E-05	4.45E-06	2.00E-05	3.31E-05	1.10E-06
2748	740578.65	4110071.49	2.27E-04	4.14E-04	2.27E-05	3.52E-05	6.78E-05	3.41E-06	3.42E-05	5.83E-05	4.33E-06	1.94E-05	3.22E-05	1.07E-06
2749	740571.28	4110029.73	2.17E-04	3.96E-04	2.17E-05	3.37E-05	6.49E-05	3.26E-06	3.28E-05	5.58E-05	4.14E-06	1.86E-05	3.08E-05	1.02E-06
2750	740563.9	4109987.98	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.11E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
2751	740556.53	4109946.22	1.95E-04	3.55E-04	1.95E-05	3.02E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.71E-06	1.67E-05	2.76E-05	9.15E-07
2752	740549.16	4109904.47	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.52E-05	2.77E-06	2.78E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.68E-07
2753	740541.79	4109862.71	1.77E-04	3.22E-04	1.77E-05	2.74E-05	5.27E-05	2.65E-06	2.66E-05	4.54E-05	3.36E-06	1.51E-05	2.50E-05	8.30E-07
2754	740534.41	4109820.96	1.71E-04	3.11E-04	1.71E-05	2.65E-05	5.10E-05	2.56E-06	2.57E-05	4.39E-05	3.25E-06	1.46E-05	2.42E-05	8.02E-07
2755	740527.04	4109779.2	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.98E-05	2.50E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.84E-07
2756	740519.67	4109737.45	1.64E-04	2.99E-04	1.64E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.22E-05	3.13E-06	1.41E-05	2.33E-05	7.72E-07
2757	740512.29	4109695.69	1.62E-04	2.95E-04	1.62E-05	2.51E-05	4.84E-05	2.43E-06	2.45E-05	4.17E-05	3.09E-06	1.39E-05	2.30E-05	7.62E-07
2758	740504.92	4109653.94	1.60E-04	2.91E-04	1.60E-05	2.47E-05	4.77E-05	2.39E-06	2.41E-05	4.10E-05	3.04E-06	1.37E-05	2.26E-05	7.50E-07
2759	740497.55	4109612.18	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.32E-07
2760	740505.98	4109573.91	1.53E-04	2.78E-04	1.53E-05	2.37E-05	4.56E-05	2.29E-06	2.30E-05	3.92E-05	2.91E-06	1.31E-05	2.16E-05	7.17E-07
2761	740530.21	4109539.11	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.47E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.03E-07
2762	740554.44	4109504.32	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
2763	740578.67	4109469.52	1.38E-04	2.52E-04	1.38E-05	2.15E-05	4.13E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.50E-07
2764	740602.9	4109434.73	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
2765	740627.13	4109399.93	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
2766	740651.36	4109365.13	1.15E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.90E-06	1.64E-05	5.43E-07
2767	740675.59	4109330.34	1.08E-04	1.97E-04	1.08E-05	1.67E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.25E-06	1.53E-05	5.07E-07
2768	740699.82	4109295.54	1.01E-04	1.84E-04	1.01E-05	1.56E-05	3.01E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.64E-06	1.43E-05	4.74E-07
2769	740724.05	4109260.75	9.41E-05	1.72E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.07E-06	1.33E-05	4.42E-07
2770	740748.28	4109225.95	8.81E-05	1.61E-04	8.82E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
2771	740772.51	4109191.16	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
2772	740796.75	4109156.36	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
2773	740820.98	4109121.57	7.55E-05	1.38E-04	7.55E-06	1.17E-05	2.26E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.47E-06	1.07E-05	3.55E-07
2774	740845.21	4109086.77	7.33E-05	1.34E-04	7.34E-06	1.14E-05	2.19E-05	1.10E-06	1.11E-05	1.89E-05	1.40E-06	6.28E-06	1.04E-05	3.45E-07
2775	740869.44	4109051.98	7.21E-05	1.31E-04	7.22E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
2776	740893.67	4109017.18	7.17E-05	1.31E-04	7.17E-06	1.11E-05	2.14E-05	1.08E-06	1.08E-05	1.84E-05	1.37E-06	6.14E-06	1.02E-05	3.37E-07
2777	740917.9	4108982.39	7.18E-05	1.31E-04	7.19E-06	1.11E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.15E-06	1.02E-05	3.38E-07
2778	740942.13	4108947.59	7.22E-05	1.32E-04	7.22E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.18E-06	1.02E-05	3.39E-07
2779	740966.36	4108912.8	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
2780	740990.59	4108878	7.22E-05	1.32E-04	7.22E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.18E-06	1.02E-05	3.39E-07
2781	741014.82	4108843.21	7.14E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.12E-06	1.01E-05	3.35E-07
2782	741039.05	4108808.41	6.99E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.28E-07
2783	741063.28	4108773.61	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
2784	741087.52	4108738.82	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.78E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
2785	741111.75	4108704.02	6.24E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
2786	740704.38	4110736.69	1.66E-04	3.03E-04	1.66E-05	2.58E-05	4.96E-05	2.49E-06	2.50E-05	4.27E-05	3.16E-06	1.42E-05	2.35E-05	7.80E-07
2787	740727.26	4110772.68	1.68E-04	3.07E-04	1.68E-05	2.61E-05	5.03E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.91E-07
2788	740351.67	4110912.3	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.82E-06	1.63E-05	5.39E-07
2789	740344.26	4110870.3	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.84E-06	1.63E-05	5.40E-07
2790	740336.84	4110828.3	1.15E-04	2.10E-04	1.15E-05	1.78E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.86E-06	1.63E-05	5.41E-07
2791	740329.42	4110786.3	1.16E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.90E-06	1.64E-05	5.43E-07
2792	740322.01	4110744.3	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.99E-05	2.22E-06	9.96E-06	1.65E-05	5.46E-07
2793	740314.59	4110702.3	1.17E-04	2.14E-04	1.17E-05	1.82E-05	3.51E-05	1.76E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.66E-05	5.52E-07
2794	740307.17	4110660.3	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
2795	740299.76	4110618.3	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.64E-07
2796	740292.34	4110576.29	1.21E-04	2.21E-04	1.22E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.71E-07
2797	740284.92	4110534.29	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
2798	740277.51	4110492.29	1.26E-04	2.30E-04	1.26E-05	1.95E-05	3.77E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.92E-07
2799	740270.09	4110450.29	1.30E-04	2.38E-04	1.31E-05	2.02E-05	3.90E-05	1.96E-06	1.97E-05	3.35E-05	2.49E-06	1.12E-05	1.85E-05	6.13E-07
2800	740262.68	4110408.29	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.94E-05	6.42E-07
2801	740255.26	4110366.29	1.44E-04	2.63E-04	1.44E-05	2.24E-05	4.31E-05	2.16E-06	2.17E-05	3.71E-05	2.75E-06	1.24E-05	2.04E-05	6.77E-07
2802	740247.84	4110324.29	1.52E-04	2.77E-04	1.52E-05	2.36E-05	4.55E-05	2.28E-06	2.29E-05	3.91E-05	2.90E-06	1.30E-05	2.16E-05	7.15E-07
2803	740240.43	4110282.29	1.59E-04	2.90E-04	1.59E-05	2.47E-05	4.76E-05	2.39E-06	2.40E-05	4.09E-05	3.04E-06	1.36E-05	2.26E-05	7.49E-07
2804	740233.01	4110240.29	1.64E-04	3.00E-04	1.64E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.23E-05	3.13E-06	1.41E-05	2.33E-05	7.73E-07

2805	740225.59	4110198.29	1.67E-04	3.04E-04	1.67E-05	2.58E-05	4.98E-05	2.50E-06	2.51E-05	4.28E-05	3.18E-06	1.43E-05	2.36E-05	7.83E-07
2806	740218.18	4110156.29	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
2807	740210.76	4110114.29	1.62E-04	2.96E-04	1.63E-05	2.52E-05	4.85E-05	2.44E-06	2.45E-05	4.18E-05	3.10E-06	1.39E-05	2.30E-05	7.63E-07
2808	740203.34	4110072.29	1.57E-04	2.86E-04	1.57E-05	2.44E-05	4.69E-05	2.36E-06	2.37E-05	4.04E-05	2.99E-06	1.35E-05	2.23E-05	7.38E-07
2809	740195.93	4110030.29	1.51E-04	2.74E-04	1.51E-05	2.34E-05	4.50E-05	2.26E-06	2.27E-05	3.87E-05	2.87E-06	1.29E-05	2.14E-05	7.08E-07
2810	740188.51	4109988.29	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.15E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
2811	740181.09	4109946.29	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.94E-05	6.42E-07
2812	740173.68	4109904.28	1.30E-04	2.37E-04	1.30E-05	2.02E-05	3.89E-05	1.95E-06	1.96E-05	3.35E-05	2.48E-06	1.12E-05	1.85E-05	6.12E-07
2813	740166.26	4109862.28	1.25E-04	2.27E-04	1.25E-05	1.93E-05	3.72E-05	1.87E-06	1.88E-05	3.20E-05	2.37E-06	1.07E-05	1.77E-05	5.86E-07
2814	740158.84	4109820.28	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.65E-07
2815	740151.43	4109778.28	1.17E-04	2.13E-04	1.17E-05	1.82E-05	3.50E-05	1.76E-06	1.77E-05	3.01E-05	2.23E-06	1.00E-05	1.66E-05	5.50E-07
2816	740144.01	4109736.28	1.15E-04	2.10E-04	1.15E-05	1.79E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.87E-06	1.63E-05	5.41E-07
2817	740136.59	4109694.28	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.93E-05	2.17E-06	9.78E-06	1.62E-05	5.36E-07
2818	740129.18	4109652.28	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.40E-05	1.71E-06	1.71E-05	2.92E-05	2.17E-06	9.74E-06	1.61E-05	5.34E-07
2819	740121.76	4109610.28	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.70E-06	1.61E-05	5.32E-07
2820	740114.34	4109568.28	1.12E-04	2.05E-04	1.13E-05	1.74E-05	3.36E-05	1.69E-06	1.70E-05	2.89E-05	2.14E-06	9.64E-06	1.59E-05	5.29E-07
2821	740106.93	4109526.28	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.67E-05	2.85E-05	2.11E-06	9.51E-06	1.57E-05	5.22E-07
2822	740115.41	4109487.78	1.10E-04	2.00E-04	1.10E-05	1.70E-05	3.28E-05	1.65E-06	1.66E-05	2.82E-05	2.09E-06	9.42E-06	1.56E-05	5.16E-07
2823	740139.78	4109452.78	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.25E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.34E-06	1.54E-05	5.12E-07
2824	740164.15	4109417.78	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.19E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.15E-06	1.51E-05	5.02E-07
2825	740188.53	4109382.78	1.03E-04	1.89E-04	1.04E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.87E-06	1.47E-05	4.86E-07
2826	740212.9	4109347.78	9.93E-05	1.81E-04	9.93E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.51E-06	1.41E-05	4.67E-07
2827	740237.27	4109312.78	9.46E-05	1.72E-04	9.46E-06	1.47E-05	2.83E-05	1.42E-06	1.43E-05	2.43E-05	1.80E-06	8.10E-06	1.34E-05	4.44E-07
2828	740261.65	4109277.78	8.97E-05	1.63E-04	8.97E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.68E-06	1.27E-05	4.21E-07
2829	740286.02	4109242.78	8.49E-05	1.55E-04	8.49E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
2830	740310.39	4109207.78	8.03E-05	1.46E-04	8.04E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.07E-05	1.53E-06	6.88E-06	1.14E-05	3.78E-07
2831	740334.77	4109172.78	7.61E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
2832	740359.14	4109137.78	7.20E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.17E-06	1.02E-05	3.39E-07
2833	740383.51	4109102.78	6.82E-05	1.24E-04	6.82E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.84E-06	9.67E-06	3.20E-07
2834	740407.89	4109067.78	6.45E-05	1.17E-04	6.45E-06	1.00E-05	1.93E-05	9.68E-07	9.72E-06	1.66E-05	1.23E-06	5.53E-06	9.14E-06	3.03E-07
2835	740432.26	4109032.78	6.10E-05	1.11E-04	6.11E-06	9.47E-06	1.82E-05	9.16E-07	9.20E-06	1.57E-05	1.16E-06	5.23E-06	8.65E-06	2.87E-07
2836	740456.63	4108997.78	5.78E-05	1.05E-04	5.78E-06	8.96E-06	1.73E-05	8.67E-07	8.72E-06	1.49E-05	1.10E-06	4.95E-06	8.20E-06	2.72E-07
2837	740481.01	4108962.78	5.49E-05	1.00E-04	5.50E-06	8.52E-06	1.64E-05	8.25E-07	8.28E-06	1.41E-05	1.05E-06	4.71E-06	7.79E-06	2.58E-07
2838	740505.38	4108927.78	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
2839	740529.75	4108892.78	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
2840	740554.13	4108857.78	4.97E-05	9.05E-05	4.97E-06	7.71E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.05E-06	2.34E-07
2841	740578.5	4108822.78	4.92E-05	8.97E-05	4.93E-06	7.63E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
2842	740602.87	4108787.78	4.92E-05	8.97E-05	4.93E-06	7.64E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
2843	740627.25	4108752.78	4.96E-05	9.04E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.48E-06	1.28E-05	9.46E-07	4.25E-06	7.04E-06	2.33E-07
2844	740651.62	4108717.78	5.02E-05	9.15E-05	5.02E-06	7.78E-06	1.50E-05	7.53E-07	7.57E-06	1.29E-05	9.56E-07	4.30E-06	7.12E-06	2.36E-07
2845	740675.99	4108682.78	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.63E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.21E-06	2.39E-07
2846	740700.37	4108647.78	5.13E-05	9.34E-05	5.13E-06	7.95E-06	1.53E-05	7.70E-07	7.73E-06	1.32E-05	9.77E-07	4.39E-06	7.27E-06	2.41E-07
2847	740724.74	4108612.78	5.15E-05	9.38E-05	5.15E-06	7.98E-06	1.54E-05	7.72E-07	7.76E-06	1.32E-05	9.81E-07	4.41E-06	7.30E-06	2.42E-07
2848	740749.11	4108577.78	5.13E-05	9.35E-05	5.13E-06	7.96E-06	1.53E-05	7.70E-07	7.74E-06	1.32E-05	9.78E-07	4.40E-06	7.27E-06	2.41E-07
2849	740773.49	4108542.78	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
2850	740797.86	4108507.78	4.99E-05	9.09E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.52E-06	1.28E-05	9.50E-07	4.27E-06	7.07E-06	2.34E-07
2851	740822.23	4108472.78	4.86E-05	8.85E-05	4.86E-06	7.53E-06	1.45E-05	7.29E-07	7.33E-06	1.25E-05	9.26E-07	4.16E-06	6.89E-06	2.28E-07
2852	740846.61	4108437.78	4.70E-05	8.56E-05	4.70E-06	7.29E-06	1.40E-05	7.05E-07	7.09E-06	1.21E-05	8.96E-07	4.03E-06	6.66E-06	2.21E-07
2853	740870.98	4108402.78	4.52E-05	8.24E-05	4.52E-06	7.01E-06	1.35E-05	6.78E-07	6.82E-06	1.16E-05	8.61E-07	3.87E-06	6.41E-06	2.12E-07
2854	740895.35	4108367.78	4.33E-05	7.90E-05	4.34E-06	6.72E-06	1.29E-05	6.51E-07	6.54E-06	1.11E-05	8.26E-07	3.71E-06	6.15E-06	2.04E-07
2855	740366.82	4110951.3	1.15E-04	2.10E-04	1.15E-05	1.79E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.87E-06	1.63E-05	5.41E-07
2856	740389.71	4110987.29	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.48E-05	1.75E-06	1.75E-05	2.99E-05	2.22E-06	9.97E-06	1.65E-05	5.47E-07
2857	740014.15	4111127.08	8.59E-05	1.56E-04	8.59E-06	1.33E-05	2.57E-05	1.29E-06	1.29E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
2858	740006.8	4111085.43	8.61E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.38E-06	1.22E-05	4.05E-07
2859	739999.44	4111043.77	8.62E-05	1.57E-04	8.63E-06	1.34E-05	2.58E-05	1.29E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.05E-07
2860	739992.08	4111002.12	8.63E-05	1.57E-04	8.63E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.06E-07
2861	739984.73	4110960.47	8.65E-05	1.58E-04	8.65E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.65E-06	7.41E-06	1.23E-05	4.06E-07
2862	739977.37	4110918.81	8.68E-05	1.58E-04	8.68E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
2863	739970.02	4110877.16	8.74E-05	1.59E-04	8.74E-06	1.35E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.66E-06	7.49E-06	1.24E-05	4.11E-07
2864	739962.66	4110835.5	8.82E-05	1.61E-04	8.82E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
2865	739955.31	4110793.85	8.91E-05	1.62E-04	8.91E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.63E-06	1.26E-05	4.19E-07
2866	739947.95	4110752.19	8.99E-05	1.64E-04	9.00E-06	1.39E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.23E-07
2867	739940.6	4110710.54	9.07E-05	1.65E-04	9.07E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.77E-06	1.29E-05	4.26E-07
2868	739933.24	4110668.89	9.15E-05	1.67E-04	9.15E-06	1.42E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.84E-06	1.30E-05	4.30E-07
2869	739925.89	4110627.23	9.25E-05	1.69E-04	9.26E-06	1.43E-05	2.76E-05	1.39E-06	1.40E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
2870	739918.53	4110585.58	9.42E-05	1.72E-04	9.43E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.80E-06	8.07E-06	1.34E-05	4.43E-07
2871	739911.18	4110543.92	9.69E-05	1.77E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
2872	739903.82	4110502.27	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.01E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.62E-06	1.43E-05	4.73E-07
2873	739896.46	4110460.61	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.03E-06	1.49E-05	4.95E-07
2874	739889.11	4110418.96	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.49E-06	1.57E-05	5.21E-07
2875	739881.75	4110377.3	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.98E-05	2.21E-06	9.95E-06	1.65E-05	5.46E-07
2876	739874.4	4110335.65	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.11E-05	2.30E-06	1.04E-05	1.71E-05	5.68E-07

2877	739867.04	4110294	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
2878	739859.69	4110252.34	1.26E-04	2.30E-04	1.26E-05	1.96E-05	3.77E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.93E-07
2879	739852.33	4110210.69	1.26E-04	2.30E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.92E-07
2880	739844.98	4110169.03	1.24E-04	2.26E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
2881	739837.62	4110127.38	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
2882	739830.27	4110085.72	1.18E-04	2.14E-04	1.18E-05	1.82E-05	3.51E-05	1.76E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.67E-05	5.52E-07
2883	739822.91	4110044.07	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.70E-06	1.61E-05	5.32E-07
2884	739815.56	4110002.41	1.09E-04	1.98E-04	1.09E-05	1.68E-05	3.25E-05	1.63E-06	1.64E-05	2.79E-05	2.07E-06	9.31E-06	1.54E-05	5.11E-07
2885	739808.2	4109960.76	1.04E-04	1.90E-04	1.04E-05	1.61E-05	3.11E-05	1.56E-06	1.57E-05	2.68E-05	1.98E-06	8.92E-06	1.48E-05	4.89E-07
2886	739800.84	4109919.11	9.97E-05	1.82E-04	9.98E-06	1.55E-05	2.98E-05	1.50E-06	1.50E-05	2.56E-05	1.90E-06	8.54E-06	1.41E-05	4.69E-07
2887	739793.49	4109877.45	9.57E-05	1.74E-04	9.57E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
2888	739786.13	4109835.8	9.22E-05	1.68E-04	9.22E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.76E-06	7.90E-06	1.31E-05	4.33E-07
2889	739778.78	4109794.14	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.19E-07
2890	739771.42	4109752.49	8.71E-05	1.59E-04	8.71E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.46E-06	1.23E-05	4.09E-07
2891	739764.07	4109710.83	8.56E-05	1.56E-04	8.57E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.20E-05	1.63E-06	7.34E-06	1.21E-05	4.02E-07
2892	739756.71	4109669.18	8.49E-05	1.55E-04	8.49E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
2893	739749.36	4109627.52	8.46E-05	1.54E-04	8.47E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.17E-05	1.61E-06	7.25E-06	1.20E-05	3.98E-07
2894	739742	4109585.87	8.47E-05	1.54E-04	8.47E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.25E-06	1.20E-05	3.98E-07
2895	739734.65	4109544.22	8.48E-05	1.55E-04	8.48E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.98E-07
2896	739727.29	4109502.56	8.47E-05	1.54E-04	8.48E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.26E-06	1.20E-05	3.98E-07
2897	739719.94	4109460.91	8.43E-05	1.54E-04	8.44E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.23E-06	1.20E-05	3.96E-07
2898	739724.67	4109401.9	8.36E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.19E-05	3.93E-07
2899	739748.84	4109367.19	8.34E-05	1.52E-04	8.35E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.15E-06	1.18E-05	3.92E-07
2900	739773.01	4109332.47	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
2901	739797.18	4109297.76	8.09E-05	1.47E-04	8.10E-06	1.25E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.93E-06	1.15E-05	3.80E-07
2902	739821.36	4109263.05	7.86E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
2903	739845.53	4109228.34	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
2904	739869.7	4109193.63	7.26E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.09E-05	1.87E-05	1.38E-06	6.22E-06	1.03E-05	3.41E-07
2905	739893.87	4109158.92	6.93E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.94E-06	9.82E-06	3.26E-07
2906	739918.05	4109124.21	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
2907	739942.22	4109089.49	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.42E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
2908	739966.39	4109054.78	5.99E-05	1.09E-04	5.99E-06	9.29E-06	1.79E-05	8.99E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.81E-07
2909	739990.56	4109020.07	5.72E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
2910	740014.74	4108985.36	5.48E-05	9.99E-05	5.48E-06	8.50E-06	1.64E-05	8.23E-07	8.27E-06	1.41E-05	1.04E-06	4.70E-06	7.77E-06	2.58E-07
2911	740038.91	4108950.65	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
2912	740063.08	4108915.94	5.04E-05	9.18E-05	5.04E-06	7.81E-06	1.50E-05	7.56E-07	7.59E-06	1.29E-05	9.60E-07	4.32E-06	7.14E-06	2.37E-07
2913	740087.25	4108881.23	4.82E-05	8.78E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.27E-06	1.24E-05	9.18E-07	4.13E-06	6.83E-06	2.26E-07
2914	740111.43	4108846.51	4.60E-05	8.38E-05	4.60E-06	7.14E-06	1.37E-05	6.91E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
2915	740135.6	4108811.8	4.39E-05	7.99E-05	4.39E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
2916	740159.77	4108777.09	4.18E-05	7.62E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.96E-07	3.58E-06	5.93E-06	1.96E-07
2917	740183.94	4108742.38	3.99E-05	7.28E-05	4.00E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
2918	740208.12	4108707.67	3.84E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.79E-06	9.87E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07
2919	740232.29	4108672.96	3.72E-05	6.78E-05	3.73E-06	5.77E-06	1.11E-05	5.59E-07	5.61E-06	9.57E-06	7.09E-07	3.19E-06	5.28E-06	1.75E-07
2920	740256.46	4108638.25	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.51E-06	9.39E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
2921	740280.63	4108603.53	3.62E-05	6.60E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.46E-06	9.31E-06	6.90E-07	3.10E-06	5.13E-06	1.70E-07
2922	740304.8	4108568.82	3.63E-05	6.61E-05	3.63E-06	5.62E-06	1.08E-05	5.44E-07	5.47E-06	9.32E-06	6.91E-07	3.11E-06	5.14E-06	1.70E-07
2923	740328.98	4108534.11	3.66E-05	6.67E-05	3.66E-06	5.67E-06	1.09E-05	5.49E-07	5.52E-06	9.40E-06	6.97E-07	3.13E-06	5.19E-06	1.72E-07
2924	740353.15	4108499.4	3.71E-05	6.75E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.53E-06	7.06E-07	3.18E-06	5.25E-06	1.74E-07
2925	740377.32	4108464.69	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.65E-07	5.67E-06	9.67E-06	7.17E-07	3.22E-06	5.33E-06	1.77E-07
2926	740401.49	4108429.98	3.82E-05	6.95E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.75E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
2927	740425.67	4108395.27	3.86E-05	7.03E-05	3.86E-06	5.99E-06	1.15E-05	5.79E-07	5.82E-06	9.92E-06	7.36E-07	3.31E-06	5.47E-06	1.81E-07
2928	740449.84	4108360.55	3.89E-05	7.08E-05	3.89E-06	6.03E-06	1.16E-05	5.83E-07	5.86E-06	9.99E-06	7.41E-07	3.33E-06	5.51E-06	1.83E-07
2929	740474.01	4108325.84	3.90E-05	7.10E-05	3.90E-06	6.04E-06	1.16E-05	5.85E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
2930	740498.18	4108291.13	3.88E-05	7.08E-05	3.89E-06	6.02E-06	1.16E-05	5.83E-07	5.86E-06	9.99E-06	7.40E-07	3.33E-06	5.51E-06	1.83E-07
2931	740522.36	4108256.42	3.85E-05	7.02E-05	3.86E-06	5.98E-06	1.15E-05	5.78E-07	5.81E-06	9.91E-06	7.34E-07	3.30E-06	5.46E-06	1.81E-07
2932	740546.53	4108221.71	3.80E-05	6.93E-05	3.81E-06	5.90E-06	1.14E-05	5.71E-07	5.73E-06	9.78E-06	7.25E-07	3.26E-06	5.39E-06	1.79E-07
2933	740570.7	4108187	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
2934	740594.87	4108152.28	3.64E-05	6.64E-05	3.64E-06	5.65E-06	1.09E-05	5.47E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
2935	740619.05	4108117.57	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2936	740643.22	4108082.86	3.42E-05	6.22E-05	3.42E-06	5.30E-06	1.02E-05	5.13E-07	5.15E-06	8.78E-06	6.51E-07	2.93E-06	4.84E-06	1.61E-07
2937	740667.39	4108048.15	3.29E-05	5.99E-05	3.29E-06	5.10E-06	9.82E-06	4.93E-07	4.96E-06	8.45E-06	6.26E-07	2.82E-06	4.66E-06	1.54E-07
2938	740691.56	4108013.44	3.16E-05	5.76E-05	3.16E-06	4.90E-06	9.44E-06	4.74E-07	4.76E-06	8.12E-06	6.02E-07	2.71E-06	4.48E-06	1.48E-07
2939	740029.27	4111165.91	8.61E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.38E-06	1.22E-05	4.05E-07
2940	740052.16	4111201.9	8.68E-05	1.58E-04	8.68E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.08E-07
2941	739676.58	4111341.6	6.76E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.58E-06	3.18E-07
2942	739669.19	4111299.76	6.78E-05	1.24E-04	6.78E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.61E-06	3.19E-07
2943	739661.8	4111257.92	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
2944	739654.42	4111216.08	6.80E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.64E-06	3.20E-07
2945	739647.03	4111174.24	6.80E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
2946	739639.64	4111132.4	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
2947	739632.25	4111090.55	6.82E-05	1.24E-04	6.83E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.85E-06	9.68E-06	3.21E-07
2948	739624.86	4111048.71	6.86E-05	1.25E-04	6.86E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.87E-06	9.72E-06	3.22E-07

2949	739617.47	4111006.87	6.90E-05	1.26E-04	6.91E-06	1.07E-05	2.06E-05	1.04E-06	1.04E-05	1.77E-05	1.32E-06	5.92E-06	9.79E-06	3.24E-07
2950	739610.09	4110965.03	6.96E-05	1.27E-04	6.97E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.97E-06	9.87E-06	3.27E-07
2951	739602.7	4110923.19	7.03E-05	1.28E-04	7.03E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.81E-05	1.34E-06	6.02E-06	9.97E-06	3.30E-07
2952	739595.31	4110881.35	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.01E-05	3.33E-07
2953	739587.92	4110839.51	7.14E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.12E-06	1.01E-05	3.35E-07
2954	739580.53	4110797.67	7.18E-05	1.31E-04	7.18E-06	1.11E-05	2.14E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.15E-06	1.02E-05	3.37E-07
2955	739573.14	4110755.83	7.23E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
2956	739565.76	4110713.98	7.30E-05	1.33E-04	7.30E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.43E-07
2957	739558.37	4110672.14	7.42E-05	1.35E-04	7.43E-06	1.15E-05	2.22E-05	1.11E-06	1.12E-05	1.91E-05	1.41E-06	6.36E-06	1.05E-05	3.49E-07
2958	739550.98	4110630.3	7.61E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
2959	739543.59	4110588.46	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
2960	739536.2	4110546.62	8.20E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
2961	739528.81	4110504.78	8.57E-05	1.56E-04	8.58E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.20E-05	1.63E-06	7.34E-06	1.22E-05	4.03E-07
2962	739521.43	4110462.94	8.97E-05	1.63E-04	8.97E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.68E-06	1.27E-05	4.21E-07
2963	739514.04	4110421.1	9.35E-05	1.70E-04	9.35E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.01E-06	1.33E-05	4.39E-07
2964	739506.65	4110379.26	9.66E-05	1.76E-04	9.67E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.48E-05	1.84E-06	8.28E-06	1.37E-05	4.54E-07
2965	739499.26	4110337.41	9.89E-05	1.80E-04	9.89E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.47E-06	1.40E-05	4.65E-07
2966	739491.87	4110295.57	9.99E-05	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.70E-07
2967	739484.48	4110253.73	9.99E-05	1.82E-04	9.99E-06	1.55E-05	2.98E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.69E-07
2968	739477.1	4110211.89	9.87E-05	1.80E-04	9.88E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.46E-06	1.40E-05	4.64E-07
2969	739469.71	4110170.05	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.54E-07
2970	739462.32	4110128.21	9.41E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
2971	739454.93	4110086.37	9.11E-05	1.66E-04	9.11E-06	1.41E-05	2.72E-05	1.37E-06	1.37E-05	2.34E-05	1.74E-06	7.81E-06	1.29E-05	4.28E-07
2972	739447.54	4110044.53	8.80E-05	1.60E-04	8.80E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
2973	739440.15	4110002.69	8.48E-05	1.55E-04	8.49E-06	1.32E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
2974	739432.77	4109960.84	8.16E-05	1.49E-04	8.17E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.00E-06	1.16E-05	3.84E-07
2975	739425.38	4109919	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
2976	739417.99	4109877.16	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
2977	739410.6	4109835.32	7.31E-05	1.33E-04	7.31E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.44E-07
2978	739403.21	4109793.48	7.08E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
2979	739395.82	4109751.64	6.89E-05	1.26E-04	6.90E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.91E-06	9.77E-06	3.24E-07
2980	739388.44	4109709.8	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
2981	739381.05	4109667.96	6.65E-05	1.21E-04	6.65E-06	1.03E-05	1.99E-05	9.98E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.12E-07
2982	739373.66	4109626.12	6.59E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.89E-07	9.94E-06	1.69E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
2983	739366.27	4109584.27	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
2984	739358.88	4109542.43	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
2985	739351.49	4109500.59	6.61E-05	1.20E-04	6.61E-06	1.03E-05	1.97E-05	9.92E-07	9.97E-06	1.70E-05	1.26E-06	5.66E-06	9.37E-06	3.11E-07
2986	739344.11	4109458.75	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.69E-06	9.41E-06	3.12E-07
2987	739336.72	4109416.91	6.65E-05	1.21E-04	6.65E-06	1.03E-05	1.99E-05	9.98E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
2988	739329.33	4109375.07	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.41E-06	3.12E-07
2989	739334.08	4109315.79	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
2990	739358.36	4109280.93	6.62E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.67E-06	9.39E-06	3.11E-07
2991	739382.64	4109246.06	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
2992	739406.92	4109211.19	6.49E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.79E-06	1.67E-05	1.24E-06	5.57E-06	9.21E-06	3.05E-07
2993	739431.2	4109176.33	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
2994	739455.48	4109141.46	6.20E-05	1.13E-04	6.20E-06	9.61E-06	1.85E-05	9.30E-07	9.34E-06	1.59E-05	1.18E-06	5.31E-06	8.78E-06	2.91E-07
2995	739479.77	4109106.59	5.99E-05	1.09E-04	6.00E-06	9.29E-06	1.79E-05	9.00E-07	9.04E-06	1.54E-05	1.14E-06	5.14E-06	8.50E-06	2.82E-07
2996	739504.05	4109071.72	5.77E-05	1.05E-04	5.77E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.94E-06	8.18E-06	2.71E-07
2997	739528.33	4109036.86	5.53E-05	1.01E-04	5.53E-06	8.58E-06	1.65E-05	8.30E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.84E-06	2.60E-07
2998	739552.61	4109001.99	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
2999	739576.89	4108967.12	5.06E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
3000	739601.17	4108932.26	4.84E-05	8.82E-05	4.84E-06	7.50E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
3001	739625.45	4108897.39	4.64E-05	8.46E-05	4.65E-06	7.20E-06	1.39E-05	6.97E-07	7.00E-06	1.19E-05	8.85E-07	3.98E-06	6.58E-06	2.18E-07
3002	739649.73	4108862.52	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
3003	739674.01	4108827.66	4.31E-05	7.86E-05	4.31E-06	6.69E-06	1.29E-05	6.47E-07	6.50E-06	1.11E-05	8.22E-07	3.69E-06	6.11E-06	2.03E-07
3004	739698.29	4108792.79	4.17E-05	7.60E-05	4.17E-06	6.46E-06	1.25E-05	6.26E-07	6.29E-06	1.07E-05	7.94E-07	3.57E-06	5.91E-06	1.96E-07
3005	739722.57	4108757.92	4.03E-05	7.34E-05	4.03E-06	6.25E-06	1.20E-05	6.05E-07	6.08E-06	1.04E-05	7.68E-07	3.45E-06	5.71E-06	1.89E-07
3006	739746.85	4108723.05	3.89E-05	7.09E-05	3.89E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
3007	739771.13	4108688.19	3.75E-05	6.83E-05	3.75E-06	5.81E-06	1.12E-05	5.63E-07	5.65E-06	9.64E-06	7.15E-07	3.21E-06	5.32E-06	1.76E-07
3008	739795.42	4108653.32	3.60E-05	6.56E-05	3.60E-06	5.59E-06	1.08E-05	5.41E-07	5.43E-06	9.26E-06	6.86E-07	3.09E-06	5.11E-06	1.69E-07
3009	739819.7	4108618.45	3.45E-05	6.28E-05	3.45E-06	5.35E-06	1.03E-05	5.17E-07	5.20E-06	8.86E-06	6.57E-07	2.95E-06	4.89E-06	1.62E-07
3010	739843.98	4108583.59	3.30E-05	6.01E-05	3.30E-06	5.11E-06	9.85E-06	4.95E-07	4.97E-06	8.47E-06	6.28E-07	2.82E-06	4.67E-06	1.55E-07
3011	739868.26	4108548.72	3.15E-05	5.75E-05	3.16E-06	4.89E-06	9.42E-06	4.73E-07	4.76E-06	8.11E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
3012	739892.54	4108513.85	3.03E-05	5.52E-05	3.03E-06	4.69E-06	9.04E-06	4.54E-07	4.56E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
3013	739916.82	4108478.98	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.74E-06	4.39E-07	4.41E-06	7.52E-06	5.57E-07	2.51E-06	4.15E-06	1.37E-07
3014	739941.1	4108444.12	2.85E-05	5.20E-05	2.85E-06	4.42E-06	8.52E-06	4.28E-07	4.30E-06	7.33E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
3015	739965.38	4108409.25	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
3016	739989.66	4108374.38	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
3017	740013.94	4108339.52	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
3018	740038.22	4108304.65	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.02E-06	1.33E-07
3019	740062.5	4108269.78	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.61E-06	4.32E-07	4.34E-06	7.41E-06	5.49E-07	2.47E-06	4.08E-06	1.35E-07
3020	740086.78	4108234.92	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07

3021	740111.07	4108200.05	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.89E-06	4.46E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
3022	740135.35	4108165.18	3.02E-05	5.50E-05	3.02E-06	4.68E-06	9.01E-06	4.53E-07	4.55E-06	7.75E-06	5.75E-07	2.58E-06	4.28E-06	1.42E-07
3023	740159.63	4108130.31	3.05E-05	5.55E-05	3.05E-06	4.73E-06	9.10E-06	4.57E-07	4.59E-06	7.83E-06	5.81E-07	2.61E-06	4.32E-06	1.43E-07
3024	740183.91	4108095.45	3.07E-05	5.59E-05	3.07E-06	4.75E-06	9.16E-06	4.60E-07	4.62E-06	7.88E-06	5.84E-07	2.63E-06	4.35E-06	1.44E-07
3025	740208.19	4108060.58	3.07E-05	5.60E-05	3.08E-06	4.77E-06	9.19E-06	4.61E-07	4.64E-06	7.90E-06	5.86E-07	2.63E-06	4.36E-06	1.44E-07
3026	740232.47	4108025.71	3.07E-05	5.60E-05	3.07E-06	4.76E-06	9.18E-06	4.61E-07	4.63E-06	7.90E-06	5.85E-07	2.63E-06	4.35E-06	1.44E-07
3027	740256.75	4107990.85	3.06E-05	5.57E-05	3.06E-06	4.74E-06	9.14E-06	4.59E-07	4.61E-06	7.86E-06	5.83E-07	2.62E-06	4.34E-06	1.44E-07
3028	740281.03	4107955.98	3.03E-05	5.53E-05	3.04E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
3029	740305.31	4107921.11	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
3030	740329.59	4107886.25	2.95E-05	5.38E-05	2.96E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3031	740353.87	4107851.38	2.90E-05	5.28E-05	2.90E-06	4.49E-06	8.65E-06	4.35E-07	4.37E-06	7.45E-06	5.52E-07	2.48E-06	4.11E-06	1.36E-07
3032	740378.15	4107816.51	2.83E-05	5.15E-05	2.83E-06	4.39E-06	8.45E-06	4.25E-07	4.27E-06	7.27E-06	5.39E-07	2.42E-06	4.01E-06	1.33E-07
3033	740402.44	4107781.64	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.13E-07	4.15E-06	7.07E-06	5.24E-07	2.36E-06	3.90E-06	1.29E-07
3034	740426.72	4107746.78	2.66E-05	4.85E-05	2.66E-06	4.13E-06	7.95E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
3035	740451	4107711.91	2.57E-05	4.68E-05	2.57E-06	3.99E-06	7.68E-06	3.86E-07	3.88E-06	6.61E-06	4.90E-07	2.20E-06	3.64E-06	1.21E-07
3036	740475.28	4107677.04	2.47E-05	4.51E-05	2.48E-06	3.84E-06	7.39E-06	3.71E-07	3.73E-06	6.36E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3037	739691.72	4111380.52	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.59E-06	3.18E-07
3038	739714.6	4111416.51	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
3039	739339.01	4111556.14	5.50E-05	1.00E-04	5.51E-06	8.53E-06	1.64E-05	8.26E-07	8.30E-06	1.41E-05	1.05E-06	4.71E-06	7.80E-06	2.59E-07
3040	739331.6	4111514.16	5.53E-05	1.01E-04	5.53E-06	8.57E-06	1.65E-05	8.29E-07	8.33E-06	1.42E-05	1.05E-06	4.74E-06	7.83E-06	2.60E-07
3041	739324.19	4111472.18	5.54E-05	1.01E-04	5.55E-06	8.60E-06	1.66E-05	8.32E-07	8.36E-06	1.43E-05	1.06E-06	4.75E-06	7.86E-06	2.61E-07
3042	739316.78	4111430.2	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.34E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3043	739309.36	4111388.22	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3044	739301.95	4111346.24	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3045	739294.54	4111304.26	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.34E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3046	739287.12	4111262.28	5.56E-05	1.01E-04	5.57E-06	8.63E-06	1.66E-05	8.35E-07	8.39E-06	1.43E-05	1.06E-06	4.77E-06	7.89E-06	2.62E-07
3047	739279.71	4111220.3	5.58E-05	1.02E-04	5.58E-06	8.65E-06	1.67E-05	8.38E-07	8.42E-06	1.43E-05	1.06E-06	4.78E-06	7.91E-06	2.62E-07
3048	739272.3	4111178.32	5.61E-05	1.02E-04	5.61E-06	8.70E-06	1.68E-05	8.42E-07	8.46E-06	1.44E-05	1.07E-06	4.81E-06	7.95E-06	2.64E-07
3049	739264.88	4111136.33	5.65E-05	1.03E-04	5.65E-06	8.76E-06	1.69E-05	8.48E-07	8.52E-06	1.45E-05	1.08E-06	4.84E-06	8.01E-06	2.66E-07
3050	739257.47	4111094.35	5.70E-05	1.04E-04	5.70E-06	8.84E-06	1.70E-05	8.55E-07	8.59E-06	1.46E-05	1.09E-06	4.88E-06	8.08E-06	2.68E-07
3051	739250.06	4111052.37	5.75E-05	1.05E-04	5.75E-06	8.91E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.92E-06	8.15E-06	2.70E-07
3052	739242.65	4111010.39	5.79E-05	1.06E-04	5.80E-06	8.98E-06	1.73E-05	8.69E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.21E-06	2.72E-07
3053	739235.23	4110968.41	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	4.99E-06	8.26E-06	2.74E-07
3054	739227.82	4110926.43	5.85E-05	1.07E-04	5.86E-06	9.08E-06	1.75E-05	8.78E-07	8.82E-06	1.50E-05	1.12E-06	5.01E-06	8.30E-06	2.75E-07
3055	739220.41	4110884.45	5.87E-05	1.07E-04	5.88E-06	9.11E-06	1.75E-05	8.82E-07	8.86E-06	1.51E-05	1.12E-06	5.03E-06	8.33E-06	2.76E-07
3056	739212.99	4110842.47	5.91E-05	1.08E-04	5.91E-06	9.16E-06	1.76E-05	8.87E-07	8.91E-06	1.52E-05	1.13E-06	5.06E-06	8.37E-06	2.78E-07
3057	739205.58	4110800.49	5.96E-05	1.09E-04	5.96E-06	9.24E-06	1.78E-05	8.95E-07	8.99E-06	1.53E-05	1.14E-06	5.11E-06	8.45E-06	2.80E-07
3058	739198.17	4110758.51	6.05E-05	1.10E-04	6.06E-06	9.38E-06	1.81E-05	9.08E-07	9.13E-06	1.56E-05	1.15E-06	5.19E-06	8.58E-06	2.84E-07
3059	739190.75	4110716.53	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.78E-06	2.91E-07
3060	739183.34	4110674.55	6.38E-05	1.16E-04	6.38E-06	9.89E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
3061	739175.93	4110632.57	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
3062	739168.52	4110590.59	6.89E-05	1.26E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.77E-06	3.24E-07
3063	739161.1	4110548.6	7.18E-05	1.31E-04	7.19E-06	1.11E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.15E-06	1.02E-05	3.38E-07
3064	739153.69	4110506.62	7.48E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.41E-06	1.06E-05	3.51E-07
3065	739146.28	4110464.64	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
3066	739138.86	4110422.66	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.74E-07
3067	739131.45	4110380.68	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.81E-07
3068	739124.04	4110338.7	8.19E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
3069	739116.62	4110296.72	8.18E-05	1.49E-04	8.18E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.01E-06	1.16E-05	3.84E-07
3070	739109.21	4110254.74	8.09E-05	1.47E-04	8.09E-06	1.25E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.93E-06	1.15E-05	3.80E-07
3071	739101.8	4110212.76	7.94E-05	1.45E-04	7.95E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
3072	739094.39	4110170.78	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
3073	739086.97	4110128.8	7.53E-05	1.37E-04	7.53E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.43E-06	6.45E-06	1.07E-05	3.54E-07
3074	739079.56	4110086.82	7.30E-05	1.33E-04	7.31E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.43E-07
3075	739072.15	4110044.84	7.07E-05	1.29E-04	7.08E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.06E-06	1.00E-05	3.32E-07
3076	739064.73	4110002.85	6.84E-05	1.25E-04	6.85E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.86E-06	9.70E-06	3.22E-07
3077	739057.32	4109960.87	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.39E-06	3.11E-07
3078	739049.91	4109918.89	6.40E-05	1.17E-04	6.40E-06	9.93E-06	1.91E-05	9.61E-07	9.65E-06	1.65E-05	1.22E-06	5.48E-06	9.07E-06	3.01E-07
3079	739042.5	4109876.91	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
3080	739035.08	4109834.93	5.99E-05	1.09E-04	5.99E-06	9.29E-06	1.79E-05	8.99E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.82E-07
3081	739027.67	4109792.95	5.81E-05	1.06E-04	5.82E-06	9.01E-06	1.74E-05	8.72E-07	8.77E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
3082	739020.26	4109750.97	5.66E-05	1.03E-04	5.66E-06	8.77E-06	1.69E-05	8.49E-07	8.53E-06	1.45E-05	1.08E-06	4.85E-06	8.02E-06	2.66E-07
3083	739012.84	4109708.99	5.53E-05	1.01E-04	5.53E-06	8.57E-06	1.65E-05	8.30E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.84E-06	2.60E-07
3084	739005.43	4109667.01	5.43E-05	9.89E-05	5.43E-06	8.42E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.03E-06	4.65E-06	7.70E-06	2.55E-07
3085	738998.02	4109625.03	5.36E-05	9.77E-05	5.36E-06	8.31E-06	1.60E-05	8.05E-07	8.08E-06	1.38E-05	1.02E-06	4.59E-06	7.60E-06	2.52E-07
3086	738990.6	4109583.05	5.32E-05	9.70E-05	5.32E-06	8.25E-06	1.59E-05	7.99E-07	8.02E-06	1.37E-05	1.01E-06	4.56E-06	7.54E-06	2.50E-07
3087	738983.19	4109541.07	5.31E-05	9.67E-05	5.31E-06	8.23E-06	1.58E-05	7.96E-07	8.00E-06	1.36E-05	1.01E-06	4.55E-06	7.52E-06	2.49E-07
3088	738975.78	4109499.09	5.31E-05	9.68E-05	5.32E-06	8.24E-06	1.59E-05	7.98E-07	8.01E-06	1.37E-05	1.01E-06	4.55E-06	7.54E-06	2.50E-07
3089	738968.37	4109457.11	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
3090	738960.95	4109415.12	5.37E-05	9.79E-05	5.37E-06	8.33E-06	1.60E-05	8.06E-07	8.10E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
3091	738953.54	4109373.14	5.40E-05	9.84E-05	5.40E-06	8.37E-06	1.61E-05	8.10E-07	8.14E-06	1.39E-05	1.03E-06	4.63E-06	7.66E-06	2.54E-07
3092	738946.13	4109331.16	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07

3093	738938.71	4109289.18	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
3094	738943.48	4109229.71	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
3095	738967.84	4109194.73	5.43E-05	9.89E-05	5.43E-06	8.42E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.03E-06	4.65E-06	7.70E-06	2.55E-07
3096	738992.2	4109159.74	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
3097	739016.57	4109124.76	5.37E-05	9.78E-05	5.37E-06	8.33E-06	1.60E-05	8.06E-07	8.10E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
3098	739040.93	4109089.78	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
3099	739065.29	4109054.79	5.19E-05	9.45E-05	5.19E-06	8.04E-06	1.55E-05	7.78E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.35E-06	2.44E-07
3100	739089.65	4109019.81	5.05E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
3101	739114.01	4108984.83	4.90E-05	8.93E-05	4.91E-06	7.60E-06	1.46E-05	7.36E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
3102	739138.38	4108949.84	4.74E-05	8.63E-05	4.74E-06	7.34E-06	1.41E-05	7.11E-07	7.14E-06	1.22E-05	9.03E-07	4.06E-06	6.72E-06	2.23E-07
3103	739162.74	4108914.86	4.56E-05	8.31E-05	4.56E-06	7.07E-06	1.36E-05	6.84E-07	6.87E-06	1.17E-05	8.69E-07	3.91E-06	6.46E-06	2.14E-07
3104	739187.1	4108879.88	4.38E-05	7.98E-05	4.38E-06	6.79E-06	1.31E-05	6.57E-07	6.60E-06	1.13E-05	8.34E-07	3.75E-06	6.21E-06	2.06E-07
3105	739211.46	4108844.89	4.20E-05	7.65E-05	4.20E-06	6.51E-06	1.25E-05	6.30E-07	6.33E-06	1.08E-05	8.00E-07	3.60E-06	5.95E-06	1.97E-07
3106	739235.82	4108809.91	4.03E-05	7.34E-05	4.03E-06	6.24E-06	1.20E-05	6.04E-07	6.07E-06	1.04E-05	7.67E-07	3.45E-06	5.71E-06	1.89E-07
3107	739260.18	4108774.93	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.81E-07	5.83E-06	9.95E-06	7.37E-07	3.32E-06	5.49E-06	1.82E-07
3108	739284.55	4108739.94	3.73E-05	6.79E-05	3.73E-06	5.78E-06	1.11E-05	5.60E-07	5.62E-06	9.58E-06	7.10E-07	3.19E-06	5.29E-06	1.75E-07
3109	739308.91	4108704.96	3.60E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.44E-06	9.27E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
3110	739333.27	4108669.98	3.50E-05	6.37E-05	3.50E-06	5.42E-06	1.05E-05	5.25E-07	5.27E-06	8.99E-06	6.67E-07	3.00E-06	4.96E-06	1.64E-07
3111	739357.63	4108634.99	3.40E-05	6.20E-05	3.40E-06	5.28E-06	1.02E-05	5.11E-07	5.13E-06	8.75E-06	6.48E-07	2.92E-06	4.82E-06	1.60E-07
3112	739381.99	4108600.01	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.89E-06	4.97E-07	4.99E-06	8.51E-06	6.31E-07	2.84E-06	4.69E-06	1.56E-07
3113	739406.36	4108565.03	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.86E-06	8.28E-06	6.14E-07	2.76E-06	4.57E-06	1.51E-07
3114	739430.72	4108530.04	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.34E-06	4.69E-07	4.71E-06	8.04E-06	5.96E-07	2.68E-06	4.43E-06	1.47E-07
3115	739455.08	4108495.06	3.03E-05	5.52E-05	3.03E-06	4.69E-06	9.04E-06	4.54E-07	4.56E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
3116	739479.44	4108460.08	2.92E-05	5.32E-05	2.92E-06	4.53E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
3117	739503.8	4108425.09	2.81E-05	5.11E-05	2.81E-06	4.35E-06	8.38E-06	4.21E-07	4.23E-06	7.21E-06	5.35E-07	2.40E-06	3.98E-06	1.32E-07
3118	739528.16	4108390.11	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.81E-06	1.26E-07
3119	739552.53	4108355.13	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.70E-06	3.87E-07	3.89E-06	6.63E-06	4.91E-07	2.21E-06	3.66E-06	1.21E-07
3120	739576.89	4108320.14	2.48E-05	4.51E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.73E-06	6.36E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3121	739601.25	4108285.16	2.39E-05	4.35E-05	2.39E-06	3.70E-06	7.13E-06	3.58E-07	3.60E-06	6.14E-06	4.55E-07	2.05E-06	3.39E-06	1.12E-07
3122	739625.61	4108250.18	2.32E-05	4.22E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
3123	739649.97	4108215.19	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.78E-06	3.41E-07	3.42E-06	5.84E-06	4.33E-07	1.95E-06	3.22E-06	1.07E-07
3124	739674.34	4108180.21	2.25E-05	4.09E-05	2.25E-06	3.48E-06	6.71E-06	3.37E-07	3.39E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.06E-07
3125	739698.7	4108145.23	2.24E-05	4.08E-05	2.24E-06	3.47E-06	6.69E-06	3.36E-07	3.38E-06	5.76E-06	4.27E-07	1.92E-06	3.18E-06	1.05E-07
3126	739723.06	4108110.24	2.25E-05	4.11E-05	2.26E-06	3.50E-06	6.73E-06	3.38E-07	3.40E-06	5.79E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
3127	739747.42	4108075.26	2.28E-05	4.16E-05	2.28E-06	3.54E-06	6.81E-06	3.42E-07	3.44E-06	5.86E-06	4.35E-07	1.95E-06	3.23E-06	1.07E-07
3128	739771.78	4108040.28	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.48E-07	3.49E-06	5.95E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
3129	739796.14	4108005.29	2.36E-05	4.29E-05	2.36E-06	3.65E-06	7.04E-06	3.54E-07	3.55E-06	6.06E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
3130	739820.51	4107970.31	2.40E-05	4.37E-05	2.40E-06	3.72E-06	7.16E-06	3.60E-07	3.61E-06	6.16E-06	4.57E-07	2.05E-06	3.40E-06	1.13E-07
3131	739844.87	4107935.32	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.26E-06	3.65E-07	3.67E-06	6.25E-06	4.63E-07	2.08E-06	3.45E-06	1.14E-07
3132	739869.23	4107900.34	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.35E-06	3.69E-07	3.71E-06	6.32E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
3133	739893.59	4107865.36	2.48E-05	4.52E-05	2.48E-06	3.85E-06	7.41E-06	3.72E-07	3.74E-06	6.38E-06	4.73E-07	2.13E-06	3.52E-06	1.17E-07
3134	739917.95	4107830.37	2.49E-05	4.55E-05	2.50E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07
3135	739942.32	4107795.39	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.43E-06	4.76E-07	2.14E-06	3.54E-06	1.17E-07
3136	739966.68	4107760.41	2.50E-05	4.55E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.42E-06	4.76E-07	2.14E-06	3.54E-06	1.17E-07
3137	739991.04	4107725.42	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.44E-06	3.74E-07	3.76E-06	6.40E-06	4.75E-07	2.13E-06	3.53E-06	1.17E-07
3138	740015.4	4107690.44	2.48E-05	4.52E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.74E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3139	740039.76	4107655.46	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.35E-06	3.69E-07	3.71E-06	6.32E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
3140	740064.12	4107620.47	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.15E-07
3141	740088.49	4107585.49	2.41E-05	4.39E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.19E-06	4.59E-07	2.06E-06	3.41E-06	1.13E-07
3142	740112.85	4107550.51	2.37E-05	4.32E-05	2.37E-06	3.67E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
3143	740137.21	4107515.52	2.32E-05	4.24E-05	2.33E-06	3.60E-06	6.94E-06	3.49E-07	3.50E-06	5.97E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
3144	740161.57	4107480.54	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.79E-06	3.41E-07	3.43E-06	5.84E-06	4.33E-07	1.95E-06	3.22E-06	1.07E-07
3145	740185.93	4107445.56	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.61E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
3146	740210.29	4107410.57	2.15E-05	3.91E-05	2.15E-06	3.33E-06	6.42E-06	3.22E-07	3.24E-06	5.52E-06	4.09E-07	1.84E-06	3.05E-06	1.01E-07
3147	740234.66	4107375.59	2.08E-05	3.79E-05	2.08E-06	3.22E-06	6.21E-06	3.12E-07	3.13E-06	5.34E-06	3.96E-07	1.78E-06	2.95E-06	9.77E-08
3148	740259.02	4107340.61	2.01E-05	3.66E-05	2.01E-06	3.11E-06	6.00E-06	3.01E-07	3.03E-06	5.16E-06	3.82E-07	1.72E-06	2.85E-06	9.43E-08
3149	739354.16	4111595.13	5.50E-05	1.00E-04	5.51E-06	8.54E-06	1.64E-05	8.26E-07	8.30E-06	1.42E-05	1.05E-06	4.72E-06	7.81E-06	2.59E-07
3150	739377.05	4111631.12	5.53E-05	1.01E-04	5.54E-06	8.58E-06	1.65E-05	8.31E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.85E-06	2.60E-07
3151	741983.3	4109969.55	2.02E-02	3.68E-02	2.02E-03	3.13E-03	6.03E-03	3.03E-04	3.04E-03	5.18E-03	3.84E-04	1.73E-03	2.86E-03	9.48E-05
3152	741969.79	4109948.52	1.81E-02	3.29E-02	1.81E-03	2.80E-03	5.40E-03	2.71E-04	2.73E-03	4.65E-03	3.45E-04	1.55E-03	2.56E-03	8.50E-05
3153	741956.96	4109930.17	1.44E-02	2.63E-02	1.44E-03	2.24E-03	4.31E-03	2.17E-04	2.18E-03	3.71E-03	2.75E-04	1.24E-03	2.05E-03	6.79E-05
3154	741881.9	4109826.95	2.03E-03	3.71E-03	2.03E-04	3.15E-04	6.08E-04	3.05E-05	3.07E-04	5.23E-04	3.88E-05	1.74E-04	2.88E-04	9.56E-06
3155	741854.89	4109784.88	1.32E-03	2.41E-03	1.32E-04	2.05E-04	3.95E-04	1.98E-05	1.99E-04	3.40E-04	2.52E-05	1.13E-04	1.88E-04	6.21E-06
3156	741827.87	4109742.8	9.40E-04	1.71E-03	9.40E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.42E-04	1.79E-05	8.05E-05	1.33E-04	4.42E-06
3157	741798.74	4109761.51	9.79E-04	1.78E-03	9.79E-05	1.52E-04	2.92E-04	1.47E-05	1.48E-04	2.52E-04	1.87E-05	8.39E-05	1.39E-04	4.60E-06
3158	741773.84	4109658.66	5.60E-04	1.02E-03	5.60E-05	8.68E-05	1.67E-04	8.40E-06	8.44E-05	1.44E-04	1.07E-05	4.80E-05	7.94E-05	2.63E-06
3159	741744.71	4109677.36	5.73E-04	1.04E-03	5.74E-05	8.89E-05	1.71E-04	8.61E-06	8.65E-05	1.47E-04	1.09E-05	4.91E-05	8.13E-05	2.69E-06
3160	741719.81	4109574.51	3.81E-04	6.95E-04	3.82E-05	5.92E-05	1.14E-04	5.72E-06	5.75E-05	9.81E-05	7.27E-06	3.27E-05	5.41E-05	1.79E-06
3161	741690.68	4109593.22	3.87E-04	7.06E-04	3.87E-05	6.00E-05	1.16E-04	5.81E-06	5.84E-05	9.95E-05	7.38E-06	3.32E-05	5.49E-05	1.82E-06
3162	741665.78	4109490.36	2.81E-04	5.13E-04	2.82E-05	4.36E-05	8.40E-05	4.22E-06	4.24E-05	7.23E-05	5.36E-06	2.41E-05	3.99E-05	1.32E-06
3163	741636.64	4109509.07	2.85E-04	5.20E-04	2.85E-05	4.42E-05	8.52E-05	4.28E-06	4.30E-05	7.33E-05	5.43E-06	2.44E-05	4.04E-05	1.34E-06
3164	741611.75	4109406.22	2.19E-04	3.98E-04	2.19E-05	3.39E-05	6.53E-05	3.28E-06	3.30E-05	5.62E-05	4.17E-06	1.87E-05	3.10E-05	1.03E-06

3165	741582.61	4109424.92	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.33E-06	3.34E-05	5.70E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
3166	741518.25	4109228.57	1.45E-04	2.63E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
3167	741489.12	4109247.28	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.92E-07
3168	741410.19	4109060.28	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.13E-05	1.57E-06	1.58E-05	2.69E-05	2.00E-06	8.98E-06	1.49E-05	4.93E-07
3169	741381.06	4109078.98	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.03E-07
3170	741302.13	4108891.98	8.02E-05	1.46E-04	8.02E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
3171	741272.99	4108910.69	8.21E-05	1.50E-04	8.22E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.04E-06	1.16E-05	3.86E-07
3172	741194.07	4108723.69	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
3173	741164.93	4108742.4	6.53E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.80E-07	9.85E-06	1.68E-05	1.24E-06	5.60E-06	9.26E-06	3.07E-07
3174	740977.94	4108387.1	4.36E-05	7.94E-05	4.36E-06	6.76E-06	1.30E-05	6.54E-07	6.57E-06	1.12E-05	8.30E-07	3.73E-06	6.18E-06	2.05E-07
3175	740948.81	4108405.81	4.47E-05	8.15E-05	4.47E-06	6.94E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
3176	740761.82	4108050.52	3.21E-05	5.86E-05	3.22E-06	4.98E-06	9.60E-06	4.82E-07	4.85E-06	8.26E-06	6.12E-07	2.75E-06	4.56E-06	1.51E-07
3177	740732.68	4108069.22	3.30E-05	6.01E-05	3.30E-06	5.12E-06	9.86E-06	4.95E-07	4.98E-06	8.48E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
3178	740545.69	4107713.93	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.43E-06	4.77E-07	2.14E-06	3.55E-06	1.18E-07
3179	740516.56	4107732.64	2.57E-05	4.68E-05	2.57E-06	3.98E-06	7.67E-06	3.85E-07	3.87E-06	6.60E-06	4.89E-07	2.20E-06	3.64E-06	1.21E-07
3180	740329.57	4107377.34	2.02E-05	3.68E-05	2.02E-06	3.13E-06	6.03E-06	3.03E-07	3.04E-06	5.19E-06	3.85E-07	1.73E-06	2.86E-06	9.49E-08
3181	740300.44	4107396.05	2.07E-05	3.77E-05	2.07E-06	3.21E-06	6.18E-06	3.11E-07	3.12E-06	5.32E-06	3.94E-07	1.77E-06	2.93E-06	9.72E-08
3182	741990.48	4109983.24	2.09E-02	3.81E-02	2.09E-03	3.24E-03	6.25E-03	3.14E-04	3.15E-03	5.37E-03	3.98E-04	1.79E-03	2.96E-03	9.83E-05
3183	743559.57	4108987.29	1.60E-04	2.92E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.12E-05	3.05E-06	1.37E-05	2.27E-05	7.52E-07
3184	743536.45	4108951.29	1.58E-04	2.88E-04	1.58E-05	2.46E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.24E-05	7.44E-07
3185	743513.34	4108915.3	1.55E-04	2.83E-04	1.55E-05	2.41E-05	4.64E-05	2.33E-06	2.34E-05	3.99E-05	2.96E-06	1.33E-05	2.20E-05	7.30E-07
3186	743896.14	4108771.15	1.16E-04	2.11E-04	1.16E-05	1.79E-05	3.45E-05	1.74E-06	1.74E-05	2.97E-05	2.20E-06	9.91E-06	1.64E-05	5.43E-07
3187	743873.03	4108735.15	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.84E-06	1.63E-05	5.39E-07
3188	743849.91	4108699.16	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.71E-06	1.61E-05	5.32E-07
3189	744232.72	4108555.01	8.93E-05	1.63E-04	8.94E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
3190	744209.6	4108519.01	8.88E-05	1.62E-04	8.89E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.61E-06	1.26E-05	4.17E-07
3191	744186.49	4108483.02	8.80E-05	1.60E-04	8.81E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
3192	744569.3	4108338.87	7.23E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
3193	744546.18	4108302.87	7.20E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.17E-06	1.02E-05	3.39E-07
3194	744523.07	4108266.88	7.15E-05	1.30E-04	7.16E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.13E-06	1.01E-05	3.36E-07
3195	741844.75	4109956.74	5.92E-03	1.08E-02	5.92E-04	9.18E-04	1.77E-03	8.88E-05	8.92E-04	1.52E-03	1.13E-04	5.07E-04	8.39E-04	2.78E-05
3196	741799.11	4109926.51	3.08E-03	5.61E-03	3.08E-04	4.78E-04	9.21E-04	4.62E-05	4.65E-04	7.92E-04	5.87E-05	2.64E-04	4.37E-04	1.45E-05
3197	741879.74	4109854.25	2.60E-03	4.74E-03	2.60E-04	4.04E-04	7.77E-04	3.91E-05	3.92E-04	6.69E-04	4.96E-05	2.23E-04	3.69E-04	1.22E-05
3198	741785.7	4109905.41	2.45E-03	4.47E-03	2.46E-04	3.81E-04	7.33E-04	3.68E-05	3.70E-04	6.31E-04	4.68E-05	2.10E-04	3.48E-04	1.15E-05
3199	741852.92	4109812.06	1.61E-03	2.94E-03	1.61E-04	2.50E-04	4.81E-04	2.42E-05	2.43E-04	4.14E-04	3.07E-05	1.38E-04	2.28E-04	7.57E-06
3200	741740.06	4109875.17	1.67E-03	3.05E-03	1.67E-04	2.59E-04	5.00E-04	2.51E-05	2.52E-04	4.30E-04	3.19E-05	1.43E-04	2.37E-04	7.86E-06
3201	741828.78	4109769.39	1.11E-03	2.02E-03	1.11E-04	1.72E-04	3.31E-04	1.66E-05	1.67E-04	2.85E-04	2.11E-05	9.49E-05	1.57E-04	5.20E-06
3202	741871.73	4109761.81	1.18E-03	2.16E-03	1.18E-04	1.84E-04	3.54E-04	1.78E-05	1.78E-04	3.04E-04	2.26E-05	1.01E-04	1.68E-04	5.56E-06
3203	741843.12	4109719.93	8.58E-04	1.56E-03	8.58E-05	1.33E-04	2.56E-04	1.29E-05	1.29E-04	2.20E-04	1.63E-05	7.35E-05	1.22E-04	4.03E-06
3204	742020.58	4109734.17	1.51E-03	2.74E-03	1.51E-04	2.34E-04	4.50E-04	2.26E-05	2.27E-04	3.87E-04	2.87E-05	1.29E-04	2.13E-04	7.08E-06
3205	741815.15	4109677.93	6.57E-04	1.20E-03	6.58E-05	1.02E-04	1.96E-04	9.86E-06	9.91E-05	1.69E-04	1.25E-05	5.63E-05	9.32E-05	3.09E-06
3206	741958.65	4109652.6	7.73E-04	1.41E-03	7.73E-05	1.20E-04	2.31E-04	1.16E-05	1.17E-04	1.99E-04	1.47E-05	6.62E-05	1.10E-04	3.63E-06
3207	741734.84	4109700.75	6.26E-04	1.14E-03	6.27E-05	9.72E-05	1.87E-04	9.40E-06	9.45E-05	1.61E-04	1.19E-05	5.37E-05	8.88E-05	2.94E-06
3208	741697.22	4109724.67	6.69E-04	1.22E-03	6.70E-05	1.04E-04	2.00E-04	1.00E-05	1.01E-04	1.72E-04	1.28E-05	5.74E-05	9.49E-05	3.15E-06
3209	741659.59	4109748.59	7.15E-04	1.30E-03	7.15E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.84E-04	1.36E-05	6.12E-05	1.01E-04	3.36E-06
3210	741764.43	4109593.02	4.32E-04	7.88E-04	4.32E-05	6.70E-05	1.29E-04	6.49E-06	6.52E-05	1.11E-04	8.24E-06	3.70E-05	6.13E-05	2.03E-06
3211	741807.38	4109585.44	4.46E-04	8.12E-04	4.46E-05	6.91E-05	1.33E-04	6.69E-06	6.72E-05	1.15E-04	8.49E-06	3.82E-05	6.32E-05	2.09E-06
3212	741850.33	4109577.86	4.59E-04	8.37E-04	4.59E-05	7.12E-05	1.37E-04	6.89E-06	6.92E-05	1.18E-04	8.75E-06	3.93E-05	6.51E-05	2.16E-06
3213	741893.28	4109570.28	4.77E-04	8.69E-04	4.77E-05	7.39E-05	1.42E-04	7.16E-06	7.19E-05	1.23E-04	9.09E-06	4.09E-05	6.76E-05	2.24E-06
3214	742108.02	4109626.11	9.11E-04	1.66E-03	9.12E-05	1.41E-04	2.72E-04	1.37E-05	1.37E-04	2.34E-04	1.74E-05	7.81E-05	1.29E-04	4.28E-06
3215	741681.2	4109616.35	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.86E-06	3.53E-05	5.85E-05	1.94E-06
3216	741643.57	4109640.27	4.31E-04	7.85E-04	4.31E-05	6.68E-05	1.29E-04	6.46E-06	6.49E-05	1.11E-04	8.21E-06	3.69E-05	6.11E-05	2.02E-06
3217	741605.94	4109664.19	4.56E-04	8.32E-04	4.57E-05	7.08E-05	1.36E-04	6.85E-06	6.88E-05	1.17E-04	8.70E-06	3.91E-05	6.47E-05	2.15E-06
3218	741667.24	4109516.32	3.02E-04	5.50E-04	3.02E-05	4.68E-05	9.01E-05	4.53E-06	4.55E-05	7.75E-05	5.75E-06	2.58E-05	4.28E-05	1.42E-06
3219	741709	4109508.95	3.10E-04	5.65E-04	3.10E-05	4.81E-05	9.26E-05	4.65E-06	4.67E-05	7.97E-05	5.91E-06	2.66E-05	4.40E-05	1.46E-06
3220	741750.75	4109501.58	3.16E-04	5.77E-04	3.17E-05	4.91E-05	9.45E-05	4.75E-06	4.77E-05	8.13E-05	6.03E-06	2.71E-05	4.49E-05	1.49E-06
3221	741792.51	4109494.21	3.23E-04	5.89E-04	3.23E-05	5.01E-05	9.65E-05	4.85E-06	4.87E-05	8.30E-05	6.16E-06	2.77E-05	4.58E-05	1.52E-06
3222	741834.27	4109486.84	3.32E-04	6.05E-04	3.32E-05	5.15E-05	9.91E-05	4.98E-06	5.00E-05	8.53E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
3223	742074.37	4109490.02	4.67E-04	8.51E-04	4.67E-05	7.24E-05	1.40E-04	7.01E-06	7.04E-05	1.20E-04	8.90E-06	4.00E-05	6.62E-05	2.19E-06
3224	742109.16	4109514.26	5.36E-04	9.77E-04	5.36E-05	8.31E-05	1.60E-04	8.05E-06	8.09E-05	1.38E-04	1.02E-05	4.59E-05	7.60E-05	2.52E-06
3225	742143.95	4109538.49	6.21E-04	1.13E-03	6.21E-05	9.63E-05	1.86E-04	9.32E-06	9.37E-05	1.60E-04	1.18E-05	5.32E-05	8.81E-05	2.92E-06
3226	741627.55	4109531.96	2.99E-04	5.45E-04	2.99E-05	4.64E-05	8.94E-05	4.49E-06	4.51E-05	7.69E-05	5.70E-06	2.56E-05	4.24E-05	1.41E-06
3227	741589.92	4109555.88	3.07E-04	5.59E-04	3.07E-05	4.76E-05	9.16E-05	4.60E-06	4.62E-05	7.88E-05	5.84E-06	2.63E-05	4.35E-05	1.44E-06
3228	741552.29	4109579.8	3.19E-04	5.81E-04	3.19E-05	4.95E-05	9.53E-05	4.79E-06	4.81E-05	8.20E-05	6.08E-06	2.73E-05	4.52E-05	1.50E-06
3229	741614.19	4109431.82	2.32E-04	4.23E-04	2.32E-05	3.60E-05	6.93E-05	3.48E-06	3.50E-05	5.96E-05	4.42E-06	1.99E-05	3.29E-05	1.09E-06
3230	741657.14	4109424.24	2.37E-04	4.31E-04	2.37E-05	3.67E-05	7.07E-05	3.55E-06	3.57E-05	6.08E-05	4.51E-06	2.03E-05	3.36E-05	1.11E-06
3231	741700.09	4109416.66	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.17E-05	3.60E-06	3.62E-05	6.17E-05	4.57E-06	2.06E-05	3.40E-05	1.13E-06
3232	741743.04	4109409.08	2.44E-04	4.44E-04	2.44E-05	3.78E-05	7.28E-05	3.65E-06	3.67E-05	6.26E-05	4.64E-06	2.09E-05	3.45E-05	1.14E-06
3233	741785.99	4109401.5	2.48E-04	4.53E-04	2.49E-05	3.85E-05	7.42E-05	3.73E-06	3.75E-05	6.39E-05	4.73E-06	2.13E-05	3.52E-05	1.17E-06
3234	742097.37	4109393.4	3.48E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
3235	742133.16	4109418.33	3.90E-04	7.11E-04	3.91E-05	6.05E-05	1.17E-04	5.86E-06	5.89E-05	1.00E-04	7.44E-06	3.34E-05	5.53E-05	1.83E-06
3236	741573.9	4109447.57	2.31E-04	4.20E-04	2.31E-05	3.58E-05	6.89E-05	3.46E-06	3.48E-05	5.93E-05	4.39E-06	1.98E-05	3.27E-05	1.08E-06

3237	741536.27	4109471.49	2.34E-04	4.27E-04	2.35E-05	3.64E-05	7.00E-05	3.52E-06	3.53E-05	6.03E-05	4.47E-06	2.01E-05	3.32E-05	1.10E-06
3238	741498.65	4109495.41	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.17E-05	3.60E-06	3.62E-05	6.17E-05	4.57E-06	2.06E-05	3.40E-05	1.13E-06
3239	741560.99	4109347.35	1.86E-04	3.38E-04	1.86E-05	2.88E-05	5.55E-05	2.79E-06	2.80E-05	4.77E-05	3.54E-06	1.59E-05	2.63E-05	8.73E-07
3240	741604.83	4109339.61	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.63E-05	2.83E-06	2.84E-05	4.84E-05	3.59E-06	1.61E-05	2.67E-05	8.85E-07
3241	741648.68	4109331.87	1.90E-04	3.46E-04	1.90E-05	2.94E-05	5.67E-05	2.85E-06	2.86E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.92E-07
3242	741692.52	4109324.13	1.91E-04	3.49E-04	1.92E-05	2.97E-05	5.72E-05	2.87E-06	2.89E-05	4.92E-05	3.65E-06	1.64E-05	2.71E-05	9.00E-07
3243	741736.37	4109316.39	1.94E-04	3.54E-04	1.95E-05	3.01E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.70E-06	1.67E-05	2.76E-05	9.14E-07
3244	742120	4109296.52	2.70E-04	4.93E-04	2.71E-05	4.19E-05	8.08E-05	4.06E-06	4.08E-05	6.95E-05	5.15E-06	2.32E-05	3.83E-05	1.27E-06
3245	742156.54	4109321.97	2.99E-04	5.45E-04	3.00E-05	4.64E-05	8.94E-05	4.49E-06	4.51E-05	7.69E-05	5.70E-06	2.56E-05	4.24E-05	1.41E-06
3246	741520.25	4109363.18	1.85E-04	3.38E-04	1.86E-05	2.88E-05	5.54E-05	2.78E-06	2.80E-05	4.77E-05	3.53E-06	1.59E-05	2.63E-05	8.71E-07
3247	741482.63	4109387.1	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.62E-05	2.82E-06	2.84E-05	4.83E-05	3.58E-06	1.61E-05	2.67E-05	8.84E-07
3248	741445	4109411.02	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.70E-05	2.86E-06	2.88E-05	4.90E-05	3.63E-06	1.63E-05	2.70E-05	8.96E-07
3249	741497.24	4109170.88	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
3250	741540.88	4109163.18	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
3251	741584.52	4109155.47	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.94E-06	1.94E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.06E-07
3252	741628.16	4109147.77	1.29E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.08E-07
3253	741671.81	4109140.07	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
3254	741715.45	4109132.37	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.42E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
3255	741759.09	4109124.66	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.34E-07
3256	741802.74	4109116.96	1.38E-04	2.51E-04	1.38E-05	2.13E-05	4.11E-05	2.06E-06	2.07E-05	3.54E-05	2.62E-06	1.18E-05	1.95E-05	6.47E-07
3257	741846.38	4109109.26	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.21E-05	2.12E-06	2.13E-05	3.62E-05	2.69E-06	1.21E-05	2.00E-05	6.63E-07
3258	741890.02	4109101.55	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
3259	741933.66	4109093.85	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.42E-05	2.22E-06	2.23E-05	3.80E-05	2.82E-06	1.27E-05	2.10E-05	6.95E-07
3260	741977.31	4109086.15	1.51E-04	2.74E-04	1.51E-05	2.33E-05	4.50E-05	2.26E-06	2.27E-05	3.87E-05	2.87E-06	1.29E-05	2.13E-05	7.07E-07
3261	742020.95	4109078.44	1.53E-04	2.79E-04	1.53E-05	2.38E-05	4.58E-05	2.30E-06	2.31E-05	3.94E-05	2.92E-06	1.31E-05	2.17E-05	7.20E-07
3262	742064.59	4109070.74	1.56E-04	2.84E-04	1.56E-05	2.42E-05	4.66E-05	2.34E-06	2.35E-05	4.01E-05	2.97E-06	1.34E-05	2.21E-05	7.33E-07
3263	742126.42	4109075.7	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.76E-07
3264	742162.78	4109101.03	1.79E-04	3.26E-04	1.79E-05	2.77E-05	5.34E-05	2.68E-06	2.70E-05	4.60E-05	3.41E-06	1.53E-05	2.54E-05	8.40E-07
3265	742199.15	4109126.36	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.91E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.12E-07
3266	741412.96	4109194.4	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.95E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
3267	741375.33	4109218.32	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
3268	741337.7	4109242.24	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	2.00E-06	2.01E-05	3.42E-05	2.53E-06	1.14E-05	1.89E-05	6.25E-07
3269	741346.24	4109009.81	9.57E-05	1.74E-04	9.58E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
3270	741389.75	4109002.13	9.53E-05	1.74E-04	9.54E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.17E-06	1.35E-05	4.48E-07
3271	741433.27	4108994.45	9.48E-05	1.73E-04	9.49E-06	1.47E-05	2.83E-05	1.42E-06	1.43E-05	2.44E-05	1.81E-06	8.13E-06	1.34E-05	4.46E-07
3272	741476.78	4108986.77	9.43E-05	1.72E-04	9.43E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.42E-05	1.80E-06	8.08E-06	1.34E-05	4.43E-07
3273	741520.3	4108979.09	9.40E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
3274	741563.81	4108971.41	9.44E-05	1.72E-04	9.45E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.43E-05	1.80E-06	8.09E-06	1.34E-05	4.44E-07
3275	741607.33	4108963.73	9.54E-05	1.74E-04	9.54E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.17E-06	1.35E-05	4.48E-07
3276	741650.84	4108956.05	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
3277	741694.36	4108948.37	9.83E-05	1.79E-04	9.83E-06	1.52E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.87E-06	8.42E-06	1.39E-05	4.62E-07
3278	741737.87	4108940.69	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.57E-06	1.42E-05	4.70E-07
3279	741781.39	4108933.01	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.74E-06	1.45E-05	4.79E-07
3280	741824.9	4108925.33	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
3281	741868.42	4108917.64	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
3282	741911.93	4108909.96	1.09E-04	1.98E-04	1.09E-05	1.68E-05	3.24E-05	1.63E-06	1.64E-05	2.79E-05	2.07E-06	9.30E-06	1.54E-05	5.10E-07
3283	741955.45	4108902.28	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.66E-05	2.84E-05	2.10E-06	9.46E-06	1.57E-05	5.19E-07
3284	741998.96	4108894.6	1.12E-04	2.04E-04	1.12E-05	1.74E-05	3.35E-05	1.68E-06	1.69E-05	2.88E-05	2.13E-06	9.60E-06	1.59E-05	5.26E-07
3285	742042.48	4108886.92	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.71E-06	1.61E-05	5.33E-07
3286	742085.99	4108879.24	1.14E-04	2.09E-04	1.15E-05	1.77E-05	3.42E-05	1.72E-06	1.73E-05	2.94E-05	2.18E-06	9.81E-06	1.62E-05	5.38E-07
3287	742129.51	4108871.56	1.16E-04	2.11E-04	1.16E-05	1.79E-05	3.46E-05	1.74E-06	1.74E-05	2.97E-05	2.20E-06	9.91E-06	1.64E-05	5.44E-07
3288	742169.39	4108880.35	1.20E-04	2.19E-04	1.20E-05	1.87E-05	3.59E-05	1.81E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.71E-05	5.65E-07
3289	742205.65	4108905.6	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.94E-06	1.94E-05	3.31E-05	2.46E-06	1.10E-05	1.83E-05	6.06E-07
3290	742241.91	4108930.86	1.38E-04	2.52E-04	1.38E-05	2.15E-05	4.14E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.50E-07
3291	741305.66	4109025.61	9.71E-05	1.77E-04	9.71E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
3292	741268.04	4109049.53	9.92E-05	1.81E-04	9.92E-06	1.54E-05	2.96E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.50E-06	1.41E-05	4.66E-07
3293	741230.41	4109073.45	1.00E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.61E-06	1.42E-05	4.72E-07
3294	741282.32	4108833.37	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
3295	741325.75	4108825.71	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
3296	741369.18	4108818.04	7.27E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.38E-06	6.23E-06	1.03E-05	3.42E-07
3297	741412.6	4108810.38	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
3298	741456.03	4108802.71	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
3299	741499.46	4108795.05	7.27E-05	1.33E-04	7.28E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.23E-06	1.03E-05	3.42E-07
3300	741542.89	4108787.38	7.35E-05	1.34E-04	7.35E-06	1.14E-05	2.19E-05	1.10E-06	1.11E-05	1.89E-05	1.40E-06	6.29E-06	1.04E-05	3.45E-07
3301	741586.31	4108779.72	7.45E-05	1.36E-04	7.45E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
3302	741629.74	4108772.05	7.56E-05	1.38E-04	7.57E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.94E-05	1.44E-06	6.48E-06	1.07E-05	3.55E-07
3303	741673.17	4108764.39	7.69E-05	1.40E-04	7.70E-06	1.19E-05	2.30E-05	1.15E-06	1.16E-05	1.98E-05	1.47E-06	6.59E-06	1.09E-05	3.62E-07
3304	741716.6	4108756.72	7.83E-05	1.43E-04	7.83E-06	1.21E-05	2.34E-05	1.18E-06	1.18E-05	2.01E-05	1.49E-06	6.71E-06	1.11E-05	3.68E-07
3305	741760.02	4108749.06	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.74E-07
3306	741803.45	4108741.39	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
3307	741846.88	4108733.73	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
3308	741890.3	4108726.06	8.40E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.20E-06	1.19E-05	3.95E-07

3309	741933.73	4108718.39	8.54E-05	1.56E-04	8.55E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.20E-05	1.63E-06	7.32E-06	1.21E-05	4.01E-07
3310	741977.16	4108710.73	8.66E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.42E-06	1.23E-05	4.07E-07
3311	742020.59	4108703.06	8.75E-05	1.59E-04	8.76E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.50E-06	1.24E-05	4.11E-07
3312	742064.01	4108695.4	8.80E-05	1.60E-04	8.81E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
3313	742107.44	4108687.73	8.84E-05	1.61E-04	8.84E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
3314	742150.87	4108680.07	8.89E-05	1.62E-04	8.89E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.61E-06	1.26E-05	4.18E-07
3315	742212.39	4108685.01	9.25E-05	1.69E-04	9.26E-06	1.43E-05	2.76E-05	1.39E-06	1.40E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
3316	742248.57	4108710.21	9.84E-05	1.79E-04	9.84E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.87E-06	8.43E-06	1.39E-05	4.62E-07
3317	742284.76	4108735.42	1.05E-04	1.91E-04	1.05E-05	1.62E-05	3.13E-05	1.57E-06	1.58E-05	2.69E-05	2.00E-06	8.98E-06	1.49E-05	4.92E-07
3318	741198.37	4108856.83	7.59E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.45E-06	6.50E-06	1.08E-05	3.57E-07
3319	741160.74	4108880.75	7.79E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.68E-06	1.10E-05	3.66E-07
3320	741123.11	4108904.67	7.94E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
3321	741131.57	4108672.26	5.99E-05	1.09E-04	5.99E-06	9.28E-06	1.79E-05	8.98E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.81E-07
3322	741174.93	4108664.6	5.91E-05	1.08E-04	5.91E-06	9.17E-06	1.77E-05	8.87E-07	8.91E-06	1.52E-05	1.13E-06	5.07E-06	8.38E-06	2.78E-07
3323	741218.29	4108656.95	5.85E-05	1.07E-04	5.86E-06	9.08E-06	1.75E-05	8.78E-07	8.82E-06	1.50E-05	1.12E-06	5.01E-06	8.30E-06	2.75E-07
3324	741261.66	4108649.3	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
3325	741305.02	4108641.64	5.79E-05	1.05E-04	5.79E-06	8.98E-06	1.73E-05	8.69E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.21E-06	2.72E-07
3326	741348.38	4108633.99	5.78E-05	1.05E-04	5.79E-06	8.97E-06	1.73E-05	8.68E-07	8.72E-06	1.49E-05	1.10E-06	4.95E-06	8.20E-06	2.72E-07
3327	741391.75	4108626.34	5.80E-05	1.06E-04	5.80E-06	8.99E-06	1.73E-05	8.70E-07	8.74E-06	1.49E-05	1.10E-06	4.97E-06	8.22E-06	2.72E-07
3328	741435.11	4108618.68	5.83E-05	1.06E-04	5.84E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
3329	741478.47	4108611.03	5.89E-05	1.07E-04	5.89E-06	9.13E-06	1.76E-05	8.84E-07	8.88E-06	1.51E-05	1.12E-06	5.04E-06	8.35E-06	2.77E-07
3330	741521.84	4108603.37	5.96E-05	1.09E-04	5.96E-06	9.24E-06	1.78E-05	8.95E-07	8.99E-06	1.53E-05	1.14E-06	5.11E-06	8.45E-06	2.80E-07
3331	741565.2	4108595.72	6.05E-05	1.10E-04	6.06E-06	9.38E-06	1.81E-05	9.08E-07	9.13E-06	1.56E-05	1.15E-06	5.19E-06	8.58E-06	2.84E-07
3332	741608.56	4108588.07	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.23E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
3333	741651.92	4108580.41	6.26E-05	1.14E-04	6.26E-06	9.70E-06	1.87E-05	9.39E-07	9.43E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
3334	741695.29	4108572.76	6.35E-05	1.16E-04	6.36E-06	9.85E-06	1.90E-05	9.54E-07	9.58E-06	1.63E-05	1.21E-06	5.44E-06	9.01E-06	2.99E-07
3335	741738.65	4108565.11	6.45E-05	1.18E-04	6.45E-06	1.00E-05	1.93E-05	9.68E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.14E-06	3.03E-07
3336	741782.01	4108557.45	6.54E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.82E-07	9.86E-06	1.68E-05	1.25E-06	5.60E-06	9.27E-06	3.07E-07
3337	741825.38	4108549.8	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
3338	741868.74	4108542.15	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
3339	741912.1	4108534.49	6.86E-05	1.25E-04	6.86E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.88E-06	9.72E-06	3.22E-07
3340	741955.46	4108526.84	6.96E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.33E-06	5.96E-06	9.87E-06	3.27E-07
3341	741998.83	4108519.18	7.04E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.98E-06	3.31E-07
3342	742042.19	4108511.53	7.08E-05	1.29E-04	7.08E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
3343	742085.55	4108503.88	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.01E-05	3.33E-07
3344	742128.92	4108496.22	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.01E-05	3.33E-07
3345	742172.28	4108488.57	7.10E-05	1.29E-04	7.11E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.35E-06	6.09E-06	1.01E-05	3.34E-07
3346	742215.64	4108480.92	7.16E-05	1.30E-04	7.16E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.13E-06	1.01E-05	3.36E-07
3347	742255.39	4108489.67	7.39E-05	1.35E-04	7.39E-06	1.15E-05	2.21E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.33E-06	1.05E-05	3.47E-07
3348	742291.52	4108514.84	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
3349	742327.65	4108540.01	8.28E-05	1.51E-04	8.28E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.09E-06	1.17E-05	3.89E-07
3350	741091.07	4108688.05	6.13E-05	1.12E-04	6.13E-06	9.50E-06	1.83E-05	9.19E-07	9.24E-06	1.57E-05	1.17E-06	5.25E-06	8.68E-06	2.88E-07
3351	741053.45	4108711.97	6.31E-05	1.15E-04	6.31E-06	9.79E-06	1.89E-05	9.47E-07	9.52E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.97E-07
3352	741015.82	4108735.89	6.45E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.68E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
3353	740916.94	4108334.7	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
3354	740960.21	4108327.06	4.09E-05	7.46E-05	4.10E-06	6.35E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.80E-07	3.51E-06	5.80E-06	1.92E-07
3355	741003.49	4108319.42	4.04E-05	7.36E-05	4.04E-06	6.26E-06	1.21E-05	6.06E-07	6.09E-06	1.04E-05	7.69E-07	3.46E-06	5.73E-06	1.90E-07
3356	741046.76	4108311.79	4.00E-05	7.30E-05	4.01E-06	6.21E-06	1.20E-05	6.01E-07	6.04E-06	1.03E-05	7.63E-07	3.43E-06	5.68E-06	1.88E-07
3357	741090.04	4108304.15	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.60E-07	3.42E-06	5.66E-06	1.88E-07
3358	741133.31	4108296.51	3.99E-05	7.28E-05	4.00E-06	6.19E-06	1.19E-05	6.00E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
3359	741176.59	4108288.87	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.69E-06	1.88E-07
3360	741219.86	4108281.23	4.03E-05	7.35E-05	4.04E-06	6.26E-06	1.21E-05	6.05E-07	6.08E-06	1.04E-05	7.69E-07	3.46E-06	5.72E-06	1.90E-07
3361	741263.14	4108273.59	4.06E-05	7.39E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.73E-07	3.48E-06	5.75E-06	1.91E-07
3362	741306.41	4108265.96	4.08E-05	7.44E-05	4.08E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
3363	741349.69	4108258.32	4.11E-05	7.49E-05	4.11E-06	6.38E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.83E-07	3.52E-06	5.83E-06	1.93E-07
3364	741392.96	4108250.68	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
3365	741436.24	4108243.04	4.19E-05	7.64E-05	4.20E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.99E-07	3.59E-06	5.95E-06	1.97E-07
3366	741479.51	4108235.4	4.25E-05	7.75E-05	4.25E-06	6.59E-06	1.27E-05	6.38E-07	6.41E-06	1.09E-05	8.10E-07	3.64E-06	6.03E-06	2.00E-07
3367	741522.79	4108227.76	4.31E-05	7.86E-05	4.32E-06	6.69E-06	1.29E-05	6.48E-07	6.51E-06	1.11E-05	8.22E-07	3.70E-06	6.12E-06	2.03E-07
3368	741566.07	4108220.13	4.38E-05	7.99E-05	4.38E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.76E-06	6.21E-06	2.06E-07
3369	741609.34	4108212.49	4.45E-05	8.10E-05	4.45E-06	6.90E-06	1.33E-05	6.67E-07	6.71E-06	1.14E-05	8.47E-07	3.81E-06	6.30E-06	2.09E-07
3370	741652.62	4108204.85	4.51E-05	8.21E-05	4.51E-06	6.99E-06	1.35E-05	6.76E-07	6.79E-06	1.16E-05	8.59E-07	3.86E-06	6.39E-06	2.12E-07
3371	741695.89	4108197.21	4.56E-05	8.31E-05	4.56E-06	7.07E-06	1.36E-05	6.84E-07	6.87E-06	1.17E-05	8.69E-07	3.91E-06	6.46E-06	2.14E-07
3372	741739.17	4108189.57	4.61E-05	8.39E-05	4.61E-06	7.14E-06	1.38E-05	6.91E-07	6.95E-06	1.18E-05	8.78E-07	3.95E-06	6.53E-06	2.16E-07
3373	741782.44	4108181.93	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
3374	741825.72	4108174.3	4.71E-05	8.59E-05	4.72E-06	7.31E-06	1.41E-05	7.07E-07	7.11E-06	1.21E-05	8.98E-07	4.04E-06	6.68E-06	2.21E-07
3375	741868.99	4108166.66	4.78E-05	8.70E-05	4.78E-06	7.41E-06	1.43E-05	7.17E-07	7.20E-06	1.23E-05	9.10E-07	4.09E-06	6.77E-06	2.24E-07
3376	741912.27	4108159.02	4.84E-05	8.82E-05	4.84E-06	7.51E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
3377	741955.54	4108151.38	4.90E-05	8.93E-05	4.90E-06	7.60E-06	1.46E-05	7.35E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
3378	741998.82	4108143.74	4.95E-05	9.02E-05	4.95E-06	7.67E-06	1.48E-05	7.43E-07	7.46E-06	1.27E-05	9.43E-07	4.24E-06	7.02E-06	2.33E-07
3379	742042.09	4108136.1	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
3380	742085.37	4108128.47	4.98E-05	9.08E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07

3381	742128.64	4108120.83	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.04E-06	2.33E-07
3382	742171.92	4108113.19	4.94E-05	9.01E-05	4.95E-06	7.67E-06	1.48E-05	7.42E-07	7.46E-06	1.27E-05	9.42E-07	4.24E-06	7.01E-06	2.32E-07
3383	742215.19	4108105.55	4.93E-05	8.98E-05	4.93E-06	7.64E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
3384	742258.47	4108097.91	4.93E-05	8.98E-05	4.93E-06	7.65E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
3385	742301.75	4108090.27	4.96E-05	9.04E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.48E-06	1.28E-05	9.46E-07	4.25E-06	7.04E-06	2.33E-07
3386	742341.41	4108099.01	5.10E-05	9.29E-05	5.10E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
3387	742377.47	4108124.13	5.35E-05	9.75E-05	5.35E-06	8.29E-06	1.60E-05	8.03E-07	8.07E-06	1.37E-05	1.02E-06	4.58E-06	7.58E-06	2.51E-07
3388	742413.53	4108149.25	5.63E-05	1.03E-04	5.64E-06	8.74E-06	1.68E-05	8.46E-07	8.50E-06	1.45E-05	1.07E-06	4.83E-06	7.99E-06	2.65E-07
3389	742449.59	4108174.36	5.94E-05	1.08E-04	5.94E-06	9.20E-06	1.77E-05	8.91E-07	8.95E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
3390	742485.65	4108199.48	6.23E-05	1.13E-04	6.23E-06	9.66E-06	1.86E-05	9.35E-07	9.39E-06	1.60E-05	1.19E-06	5.34E-06	8.83E-06	2.93E-07
3391	742521.71	4108224.6	6.48E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.77E-06	1.67E-05	1.24E-06	5.55E-06	9.19E-06	3.05E-07
3392	742557.77	4108249.71	6.68E-05	1.22E-04	6.68E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.72E-06	9.47E-06	3.14E-07
3393	742593.83	4108274.83	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.84E-06	9.66E-06	3.20E-07
3394	742629.89	4108299.94	6.89E-05	1.26E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.77E-06	3.24E-07
3395	742665.95	4108325.06	6.94E-05	1.26E-04	6.94E-06	1.08E-05	2.07E-05	1.04E-06	1.05E-05	1.78E-05	1.32E-06	5.94E-06	9.83E-06	3.26E-07
3396	742702	4108350.18	6.99E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.28E-07
3397	742738.06	4108375.29	7.06E-05	1.29E-04	7.07E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.05E-06	1.00E-05	3.32E-07
3398	742774.12	4108400.41	7.19E-05	1.31E-04	7.19E-06	1.11E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.16E-06	1.02E-05	3.38E-07
3399	742810.18	4108425.53	7.37E-05	1.34E-04	7.37E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.89E-05	1.40E-06	6.32E-06	1.05E-05	3.46E-07
3400	742846.24	4108450.64	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
3401	742882.3	4108475.76	7.93E-05	1.45E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.12E-05	3.73E-07
3402	742918.36	4108500.88	8.32E-05	1.52E-04	8.33E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.13E-06	1.18E-05	3.91E-07
3403	742954.42	4108525.99	8.79E-05	1.60E-04	8.80E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.53E-06	1.25E-05	4.13E-07
3404	742990.48	4108551.11	9.33E-05	1.70E-04	9.33E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	7.99E-06	1.32E-05	4.38E-07
3405	743026.54	4108576.22	9.92E-05	1.81E-04	9.93E-06	1.54E-05	2.96E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.50E-06	1.41E-05	4.66E-07
3406	743062.6	4108601.34	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.59E-05	2.72E-05	2.01E-06	9.05E-06	1.50E-05	4.96E-07
3407	743098.66	4108626.46	1.12E-04	2.05E-04	1.12E-05	1.74E-05	3.36E-05	1.69E-06	1.69E-05	2.89E-05	2.14E-06	9.63E-06	1.59E-05	5.28E-07
3408	743134.72	4108651.57	1.19E-04	2.17E-04	1.19E-05	1.85E-05	3.56E-05	1.79E-06	1.80E-05	3.06E-05	2.27E-06	1.02E-05	1.69E-05	5.60E-07
3409	743170.77	4108676.69	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.75E-05	1.88E-06	1.89E-05	3.23E-05	2.39E-06	1.08E-05	1.78E-05	5.90E-07
3410	743206.83	4108701.81	1.31E-04	2.39E-04	1.31E-05	2.04E-05	3.92E-05	1.97E-06	1.98E-05	3.38E-05	2.50E-06	1.13E-05	1.86E-05	6.17E-07
3411	743242.89	4108726.92	1.36E-04	2.48E-04	1.36E-05	2.11E-05	4.06E-05	2.04E-06	2.05E-05	3.50E-05	2.59E-06	1.17E-05	1.93E-05	6.39E-07
3412	743278.95	4108752.04	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.59E-05	2.66E-06	1.20E-05	1.98E-05	6.57E-07
3413	743315.01	4108777.16	1.43E-04	2.60E-04	1.43E-05	2.21E-05	4.26E-05	2.14E-06	2.15E-05	3.67E-05	2.72E-06	1.22E-05	2.02E-05	6.70E-07
3414	743351.07	4108802.27	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.81E-07
3415	743387.13	4108827.39	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.92E-07
3416	743423.19	4108852.5	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.48E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.04E-07
3417	743459.25	4108877.62	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
3418	740876.48	4108350.48	4.27E-05	7.78E-05	4.27E-06	6.62E-06	1.28E-05	6.41E-07	6.44E-06	1.10E-05	8.14E-07	3.66E-06	6.05E-06	2.01E-07
3419	740838.86	4108374.4	4.41E-05	8.03E-05	4.41E-06	6.84E-06	1.32E-05	6.62E-07	6.65E-06	1.13E-05	8.40E-07	3.78E-06	6.25E-06	2.07E-07
3420	740801.23	4108398.32	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.82E-06	1.16E-05	8.62E-07	3.88E-06	6.42E-06	2.13E-07
3421	740746.36	4107989.37	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.57E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
3422	740790.12	4107981.64	2.99E-05	5.46E-05	3.00E-06	4.64E-06	8.95E-06	4.49E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
3423	740833.89	4107973.92	2.96E-05	5.40E-05	2.96E-06	4.59E-06	8.85E-06	4.45E-07	4.47E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
3424	740877.65	4107966.19	2.95E-05	5.37E-05	2.95E-06	4.57E-06	8.81E-06	4.43E-07	4.45E-06	7.58E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
3425	740921.42	4107958.47	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3426	740965.18	4107950.74	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
3427	741008.95	4107943.02	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
3428	741052.71	4107935.29	3.02E-05	5.51E-05	3.02E-06	4.69E-06	9.03E-06	4.53E-07	4.56E-06	7.77E-06	5.76E-07	2.59E-06	4.28E-06	1.42E-07
3429	741096.48	4107927.57	3.04E-05	5.55E-05	3.05E-06	4.72E-06	9.10E-06	4.57E-07	4.59E-06	7.83E-06	5.80E-07	2.61E-06	4.32E-06	1.43E-07
3430	741140.24	4107919.84	3.06E-05	5.58E-05	3.07E-06	4.75E-06	9.15E-06	4.60E-07	4.62E-06	7.88E-06	5.84E-07	2.63E-06	4.34E-06	1.44E-07
3431	741184.01	4107912.12	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.20E-06	4.62E-07	4.64E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
3432	741227.78	4107904.39	3.09E-05	5.63E-05	3.09E-06	4.79E-06	9.23E-06	4.64E-07	4.66E-06	7.94E-06	5.89E-07	2.65E-06	4.38E-06	1.45E-07
3433	741271.54	4107896.67	3.10E-05	5.66E-05	3.11E-06	4.81E-06	9.27E-06	4.66E-07	4.68E-06	7.98E-06	5.91E-07	2.66E-06	4.40E-06	1.46E-07
3434	741315.31	4107888.94	3.12E-05	5.69E-05	3.13E-06	4.84E-06	9.33E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
3435	741359.07	4107881.22	3.15E-05	5.75E-05	3.16E-06	4.89E-06	9.42E-06	4.73E-07	4.76E-06	8.11E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
3436	741402.84	4107873.49	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
3437	741446.6	4107865.77	3.25E-05	5.92E-05	3.25E-06	5.04E-06	9.70E-06	4.87E-07	4.90E-06	8.35E-06	6.19E-07	2.78E-06	4.60E-06	1.53E-07
3438	741490.37	4107858.04	3.30E-05	6.02E-05	3.30E-06	5.12E-06	9.86E-06	4.96E-07	4.98E-06	8.49E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
3439	741534.13	4107850.32	3.35E-05	6.11E-05	3.36E-06	5.20E-06	1.00E-05	5.03E-07	5.06E-06	8.62E-06	6.39E-07	2.87E-06	4.76E-06	1.58E-07
3440	741577.9	4107842.59	3.40E-05	6.20E-05	3.40E-06	5.27E-06	1.02E-05	5.10E-07	5.13E-06	8.74E-06	6.48E-07	2.91E-06	4.82E-06	1.60E-07
3441	741621.66	4107834.87	3.44E-05	6.27E-05	3.44E-06	5.33E-06	1.03E-05	5.16E-07	5.19E-06	8.84E-06	6.55E-07	2.95E-06	4.88E-06	1.62E-07
3442	741665.43	4107827.14	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.23E-06	8.92E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
3443	741709.2	4107819.42	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
3444	741752.96	4107811.7	3.52E-05	6.41E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.04E-06	6.70E-07	3.01E-06	4.98E-06	1.65E-07
3445	741796.73	4107803.97	3.54E-05	6.46E-05	3.54E-06	5.49E-06	1.06E-05	5.32E-07	5.34E-06	9.11E-06	6.75E-07	3.04E-06	5.02E-06	1.66E-07
3446	741840.49	4107796.25	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.39E-06	9.19E-06	6.81E-07	3.06E-06	5.07E-06	1.68E-07
3447	741884.26	4107788.52	3.62E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.46E-06	9.30E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
3448	741928.02	4107780.8	3.66E-05	6.68E-05	3.67E-06	5.68E-06	1.09E-05	5.50E-07	5.53E-06	9.42E-06	6.98E-07	3.14E-06	5.19E-06	1.72E-07
3449	741971.79	4107773.07	3.71E-05	6.76E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.53E-06	7.06E-07	3.18E-06	5.26E-06	1.74E-07
3450	742015.55	4107765.35	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.62E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.31E-06	1.76E-07
3451	742059.32	4107757.62	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.65E-07	5.67E-06	9.67E-06	7.17E-07	3.22E-06	5.33E-06	1.77E-07
3452	742103.08	4107749.9	3.76E-05	6.86E-05	3.77E-06	5.84E-06	1.12E-05	5.65E-07	5.68E-06	9.68E-06	7.17E-07	3.23E-06	5.34E-06	1.77E-07

3453	742146.85	4107742.17	3.75E-05	6.83E-05	3.75E-06	5.81E-06	1.12E-05	5.63E-07	5.65E-06	9.64E-06	7.15E-07	3.21E-06	5.32E-06	1.76E-07
3454	742190.62	4107734.45	3.72E-05	6.78E-05	3.72E-06	5.77E-06	1.11E-05	5.59E-07	5.61E-06	9.57E-06	7.09E-07	3.19E-06	5.28E-06	1.75E-07
3455	742234.38	4107726.72	3.69E-05	6.72E-05	3.69E-06	5.72E-06	1.10E-05	5.54E-07	5.57E-06	9.49E-06	7.03E-07	3.16E-06	5.23E-06	1.73E-07
3456	742278.15	4107719	3.67E-05	6.68E-05	3.67E-06	5.69E-06	1.10E-05	5.50E-07	5.53E-06	9.42E-06	6.99E-07	3.14E-06	5.20E-06	1.72E-07
3457	742321.91	4107711.27	3.66E-05	6.66E-05	3.66E-06	5.67E-06	1.09E-05	5.49E-07	5.51E-06	9.40E-06	6.97E-07	3.13E-06	5.19E-06	1.72E-07
3458	742365.68	4107703.55	3.67E-05	6.69E-05	3.67E-06	5.69E-06	1.10E-05	5.51E-07	5.54E-06	9.44E-06	7.00E-07	3.15E-06	5.21E-06	1.73E-07
3459	742427.68	4107708.52	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.74E-06	7.22E-07	3.25E-06	5.37E-06	1.78E-07
3460	742464.14	4107733.92	3.96E-05	7.22E-05	3.97E-06	6.15E-06	1.18E-05	5.95E-07	5.98E-06	1.02E-05	7.55E-07	3.40E-06	5.62E-06	1.86E-07
3461	742500.61	4107759.33	4.16E-05	7.59E-05	4.17E-06	6.46E-06	1.24E-05	6.25E-07	6.28E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
3462	742537.08	4107784.73	4.38E-05	7.97E-05	4.38E-06	6.79E-06	1.31E-05	6.57E-07	6.60E-06	1.12E-05	8.34E-07	3.75E-06	6.20E-06	2.06E-07
3463	742573.55	4107810.13	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.74E-07	3.93E-06	6.51E-06	2.16E-07
3464	742610.01	4107835.53	4.78E-05	8.71E-05	4.78E-06	7.41E-06	1.43E-05	7.17E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
3465	742646.48	4107860.93	4.93E-05	8.99E-05	4.94E-06	7.65E-06	1.47E-05	7.41E-07	7.44E-06	1.27E-05	9.40E-07	4.23E-06	7.00E-06	2.32E-07
3466	742682.95	4107886.33	5.04E-05	9.19E-05	5.04E-06	7.82E-06	1.51E-05	7.57E-07	7.60E-06	1.30E-05	9.61E-07	4.32E-06	7.15E-06	2.37E-07
3467	742719.42	4107911.73	5.10E-05	9.29E-05	5.10E-06	7.91E-06	1.52E-05	7.65E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
3468	742755.89	4107937.13	5.12E-05	9.32E-05	5.12E-06	7.93E-06	1.53E-05	7.68E-07	7.71E-06	1.32E-05	9.75E-07	4.38E-06	7.25E-06	2.40E-07
3469	742792.35	4107962.53	5.11E-05	9.31E-05	5.11E-06	7.92E-06	1.53E-05	7.67E-07	7.70E-06	1.31E-05	9.74E-07	4.38E-06	7.24E-06	2.40E-07
3470	742828.82	4107987.93	5.10E-05	9.30E-05	5.11E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
3471	742865.29	4108013.33	5.12E-05	9.33E-05	5.12E-06	7.94E-06	1.53E-05	7.68E-07	7.72E-06	1.32E-05	9.75E-07	4.39E-06	7.26E-06	2.41E-07
3472	742901.76	4108038.73	5.17E-05	9.42E-05	5.17E-06	8.02E-06	1.54E-05	7.76E-07	7.80E-06	1.33E-05	9.85E-07	4.43E-06	7.33E-06	2.43E-07
3473	742938.22	4108064.13	5.26E-05	9.59E-05	5.26E-06	8.16E-06	1.57E-05	7.90E-07	7.93E-06	1.35E-05	1.00E-06	4.51E-06	7.46E-06	2.47E-07
3474	742974.69	4108089.54	5.39E-05	9.83E-05	5.40E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.65E-06	2.53E-07
3475	743011.16	4108114.94	5.55E-05	1.01E-04	5.56E-06	8.61E-06	1.66E-05	8.34E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3476	743047.63	4108140.34	5.75E-05	1.05E-04	5.75E-06	8.92E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.15E-06	2.70E-07
3477	743084.09	4108165.74	5.97E-05	1.09E-04	5.98E-06	9.26E-06	1.78E-05	8.97E-07	9.01E-06	1.54E-05	1.14E-06	5.12E-06	8.47E-06	2.81E-07
3478	743120.56	4108191.14	6.23E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.40E-06	1.60E-05	1.19E-06	5.34E-06	8.84E-06	2.93E-07
3479	743157.03	4108216.54	6.52E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.79E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.25E-06	3.07E-07
3480	743193.5	4108241.94	6.85E-05	1.25E-04	6.85E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.87E-06	9.71E-06	3.22E-07
3481	743229.96	4108267.34	7.20E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.17E-06	1.02E-05	3.38E-07
3482	743266.43	4108292.74	7.58E-05	1.38E-04	7.58E-06	1.18E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
3483	743302.9	4108318.14	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
3484	743339.37	4108343.54	8.37E-05	1.53E-04	8.38E-06	1.30E-05	2.50E-05	1.26E-06	1.26E-05	2.15E-05	1.60E-06	7.17E-06	1.19E-05	3.93E-07
3485	743375.83	4108368.94	8.77E-05	1.60E-04	8.78E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.26E-05	1.67E-06	7.52E-06	1.24E-05	4.12E-07
3486	743412.3	4108394.35	9.16E-05	1.67E-04	9.17E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.85E-06	1.30E-05	4.31E-07
3487	743448.77	4108419.75	9.51E-05	1.73E-04	9.52E-06	1.48E-05	2.84E-05	1.43E-06	1.43E-05	2.45E-05	1.81E-06	8.15E-06	1.35E-05	4.47E-07
3488	743485.24	4108445.15	9.81E-05	1.79E-04	9.82E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.41E-06	1.39E-05	4.61E-07
3489	743521.7	4108470.55	1.00E-04	1.83E-04	1.00E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.60E-06	1.42E-05	4.72E-07
3490	743558.17	4108495.95	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.74E-06	1.45E-05	4.80E-07
3491	743594.64	4108521.35	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
3492	743631.11	4108546.75	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
3493	743667.57	4108572.15	1.06E-04	1.92E-04	1.06E-05	1.64E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.05E-06	1.50E-05	4.96E-07
3494	743704.04	4108597.55	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.03E-07
3495	743740.51	4108622.95	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.26E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.34E-06	1.55E-05	5.12E-07
3496	743776.98	4108648.35	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.50E-06	1.57E-05	5.21E-07
3497	743813.45	4108673.75	1.12E-04	2.05E-04	1.12E-05	1.74E-05	3.36E-05	1.69E-06	1.69E-05	2.89E-05	2.14E-06	9.63E-06	1.59E-05	5.28E-07
3498	740661.89	4108012.91	3.18E-05	5.80E-05	3.19E-06	4.94E-06	9.51E-06	4.78E-07	4.80E-06	8.18E-06	6.07E-07	2.73E-06	4.51E-06	1.50E-07
3499	740624.27	4108036.83	3.29E-05	5.99E-05	3.29E-06	5.09E-06	9.81E-06	4.93E-07	4.95E-06	8.45E-06	6.26E-07	2.82E-06	4.66E-06	1.54E-07
3500	740586.64	4108060.75	3.38E-05	6.15E-05	3.38E-06	5.23E-06	1.01E-05	5.07E-07	5.09E-06	8.68E-06	6.43E-07	2.89E-06	4.79E-06	1.59E-07
3501	740531.58	4107651.83	2.38E-05	4.33E-05	2.38E-06	3.69E-06	7.11E-06	3.57E-07	3.59E-06	6.11E-06	4.53E-07	2.04E-06	3.37E-06	1.12E-07
3502	740575.22	4107644.13	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
3503	740618.87	4107636.43	2.31E-05	4.20E-05	2.31E-06	3.58E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
3504	740662.51	4107628.72	2.29E-05	4.18E-05	2.29E-06	3.55E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
3505	740706.15	4107621.02	2.29E-05	4.17E-05	2.29E-06	3.55E-06	6.84E-06	3.44E-07	3.45E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
3506	740749.8	4107613.32	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
3507	740793.44	4107605.61	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
3508	740837.08	4107597.91	2.36E-05	4.29E-05	2.36E-06	3.65E-06	7.04E-06	3.54E-07	3.55E-06	6.05E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
3509	740880.72	4107590.21	2.38E-05	4.34E-05	2.38E-06	3.70E-06	7.12E-06	3.58E-07	3.59E-06	6.13E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
3510	740924.37	4107582.5	2.41E-05	4.39E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.19E-06	4.59E-07	2.06E-06	3.41E-06	1.13E-07
3511	740968.01	4107574.8	2.42E-05	4.42E-05	2.43E-06	3.76E-06	7.24E-06	3.64E-07	3.66E-06	6.23E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
3512	741011.65	4107567.1	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3513	741055.29	4107559.39	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3514	741098.94	4107551.69	2.43E-05	4.44E-05	2.44E-06	3.78E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3515	741142.58	4107543.99	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3516	741186.22	4107536.28	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.29E-06	3.66E-07	3.68E-06	6.27E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
3517	741229.86	4107528.58	2.45E-05	4.47E-05	2.45E-06	3.80E-06	7.33E-06	3.68E-07	3.70E-06	6.30E-06	4.67E-07	2.10E-06	3.48E-06	1.15E-07
3518	741273.51	4107520.88	2.48E-05	4.51E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.73E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3519	741317.15	4107513.18	2.51E-05	4.58E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.46E-06	4.79E-07	2.15E-06	3.56E-06	1.18E-07
3520	741360.79	4107505.47	2.55E-05	4.66E-05	2.56E-06	3.96E-06	7.63E-06	3.83E-07	3.85E-06	6.57E-06	4.87E-07	2.19E-06	3.62E-06	1.20E-07
3521	741404.44	4107497.77	2.60E-05	4.74E-05	2.60E-06	4.04E-06	7.78E-06	3.91E-07	3.92E-06	6.69E-06	4.96E-07	2.23E-06	3.69E-06	1.22E-07
3522	741448.08	4107490.07	2.65E-05	4.83E-05	2.65E-06	4.11E-06	7.91E-06	3.98E-07	4.00E-06	6.81E-06	5.05E-07	2.27E-06	3.76E-06	1.25E-07
3523	741491.72	4107482.36	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.03E-06	4.04E-07	4.06E-06	6.91E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
3524	741535.36	4107474.66	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.13E-06	4.08E-07	4.10E-06	7.00E-06	5.19E-07	2.33E-06	3.86E-06	1.28E-07

3525	741579.01	4107466.96	2.74E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.05E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
3526	741622.65	4107459.25	2.76E-05	5.02E-05	2.76E-06	4.28E-06	8.24E-06	4.14E-07	4.16E-06	7.09E-06	5.25E-07	2.36E-06	3.91E-06	1.30E-07
3527	741666.29	4107451.55	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.26E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
3528	741709.93	4107443.85	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.28E-06	4.16E-07	4.18E-06	7.13E-06	5.28E-07	2.38E-06	3.93E-06	1.30E-07
3529	741753.58	4107436.14	2.78E-05	5.07E-05	2.78E-06	4.31E-06	8.31E-06	4.18E-07	4.20E-06	7.15E-06	5.30E-07	2.38E-06	3.94E-06	1.31E-07
3530	741797.22	4107428.44	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.36E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.97E-06	1.31E-07
3531	741840.86	4107420.74	2.82E-05	5.14E-05	2.82E-06	4.38E-06	8.43E-06	4.24E-07	4.26E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
3532	741884.5	4107413.03	2.85E-05	5.20E-05	2.86E-06	4.43E-06	8.53E-06	4.28E-07	4.30E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
3533	741928.15	4107405.33	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
3534	741971.79	4107397.63	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.74E-06	4.39E-07	4.41E-06	7.52E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
3535	742015.43	4107389.93	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.83E-06	4.44E-07	4.46E-06	7.60E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3536	742059.08	4107382.22	2.98E-05	5.42E-05	2.98E-06	4.62E-06	8.89E-06	4.47E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
3537	742102.72	4107374.52	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.91E-06	4.48E-07	4.50E-06	7.67E-06	5.68E-07	2.56E-06	4.23E-06	1.40E-07
3538	742146.36	4107366.82	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.89E-06	4.46E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
3539	742190	4107359.11	2.95E-05	5.38E-05	2.96E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3540	742233.65	4107351.41	2.92E-05	5.33E-05	2.93E-06	4.53E-06	8.73E-06	4.39E-07	4.41E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
3541	742277.29	4107343.71	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
3542	742320.93	4107336	2.86E-05	5.22E-05	2.86E-06	4.44E-06	8.55E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
3543	742364.57	4107328.3	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.27E-07	4.29E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
3544	742408.22	4107320.6	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.28E-07	4.30E-06	7.33E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
3545	742451.86	4107312.89	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
3546	742513.69	4107317.86	2.97E-05	5.42E-05	2.97E-06	4.61E-06	8.88E-06	4.46E-07	4.48E-06	7.64E-06	5.66E-07	2.55E-06	4.21E-06	1.40E-07
3547	742550.05	4107343.19	3.10E-05	5.65E-05	3.10E-06	4.81E-06	9.26E-06	4.65E-07	4.68E-06	7.97E-06	5.91E-07	2.66E-06	4.40E-06	1.46E-07
3548	742586.42	4107368.51	3.25E-05	5.91E-05	3.25E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.53E-07
3549	742622.78	4107393.84	3.40E-05	6.20E-05	3.40E-06	5.28E-06	1.02E-05	5.11E-07	5.13E-06	8.75E-06	6.48E-07	2.92E-06	4.82E-06	1.60E-07
3550	742659.15	4107419.17	3.56E-05	6.49E-05	3.56E-06	5.52E-06	1.06E-05	5.34E-07	5.37E-06	9.15E-06	6.78E-07	3.05E-06	5.05E-06	1.67E-07
3551	742695.51	4107444.5	3.71E-05	6.76E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.53E-06	7.06E-07	3.18E-06	5.26E-06	1.74E-07
3552	742731.88	4107469.83	3.83E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.75E-07	5.78E-06	9.86E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07
3553	742768.24	4107495.16	3.93E-05	7.17E-05	3.93E-06	6.10E-06	1.17E-05	5.90E-07	5.93E-06	1.01E-05	7.49E-07	3.37E-06	5.58E-06	1.85E-07
3554	742804.61	4107520.49	3.99E-05	7.28E-05	4.00E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
3555	742840.97	4107545.82	4.02E-05	7.33E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
3556	742877.34	4107571.15	4.02E-05	7.32E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.65E-07	3.44E-06	5.69E-06	1.89E-07
3557	742913.7	4107596.48	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
3558	742950.07	4107621.81	3.97E-05	7.23E-05	3.97E-06	6.15E-06	1.19E-05	5.95E-07	5.98E-06	1.02E-05	7.56E-07	3.40E-06	5.62E-06	1.86E-07
3559	742986.43	4107647.14	3.95E-05	7.20E-05	3.96E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.39E-06	5.61E-06	1.86E-07
3560	743022.8	4107672.47	3.96E-05	7.22E-05	3.97E-06	6.15E-06	1.18E-05	5.95E-07	5.98E-06	1.02E-05	7.55E-07	3.40E-06	5.62E-06	1.86E-07
3561	743059.16	4107697.8	4.01E-05	7.30E-05	4.01E-06	6.21E-06	1.20E-05	6.01E-07	6.04E-06	1.03E-05	7.64E-07	3.43E-06	5.68E-06	1.88E-07
3562	743095.53	4107723.13	4.08E-05	7.44E-05	4.08E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
3563	743131.9	4107748.46	4.18E-05	7.62E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.97E-07	3.59E-06	5.93E-06	1.97E-07
3564	743168.26	4107773.79	4.30E-05	7.84E-05	4.30E-06	6.67E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.20E-07	3.69E-06	6.10E-06	2.02E-07
3565	743204.63	4107799.12	4.43E-05	8.08E-05	4.43E-06	6.87E-06	1.32E-05	6.65E-07	6.68E-06	1.14E-05	8.45E-07	3.80E-06	6.28E-06	2.08E-07
3566	743240.99	4107824.45	4.57E-05	8.33E-05	4.58E-06	7.09E-06	1.37E-05	6.86E-07	6.90E-06	1.18E-05	8.72E-07	3.92E-06	6.48E-06	2.15E-07
3567	743277.36	4107849.78	4.73E-05	8.61E-05	4.73E-06	7.33E-06	1.41E-05	7.10E-07	7.13E-06	1.22E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
3568	743313.72	4107875.11	4.90E-05	8.92E-05	4.90E-06	7.59E-06	1.46E-05	7.35E-07	7.38E-06	1.26E-05	9.33E-07	4.20E-06	6.94E-06	2.30E-07
3569	743350.09	4107900.44	5.08E-05	9.26E-05	5.09E-06	7.88E-06	1.52E-05	7.63E-07	7.67E-06	1.31E-05	9.69E-07	4.36E-06	7.21E-06	2.39E-07
3570	743386.45	4107925.76	5.29E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.54E-06	7.50E-06	2.49E-07
3571	743422.82	4107951.09	5.52E-05	1.01E-04	5.52E-06	8.56E-06	1.65E-05	8.28E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.82E-06	2.59E-07
3572	743459.18	4107976.42	5.75E-05	1.05E-04	5.75E-06	8.92E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.15E-06	2.70E-07
3573	743495.55	4108001.75	5.99E-05	1.09E-04	6.00E-06	9.29E-06	1.79E-05	9.00E-07	9.04E-06	1.54E-05	1.14E-06	5.14E-06	8.50E-06	2.82E-07
3574	743531.91	4108027.08	6.24E-05	1.14E-04	6.25E-06	9.68E-06	1.86E-05	9.37E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
3575	743568.28	4108052.41	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.21E-06	3.05E-07
3576	743604.64	4108077.74	6.75E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.57E-06	3.17E-07
3577	743641.01	4108103.07	7.00E-05	1.28E-04	7.01E-06	1.09E-05	2.09E-05	1.05E-06	1.06E-05	1.80E-05	1.33E-06	6.00E-06	9.93E-06	3.29E-07
3578	743677.37	4108128.4	7.25E-05	1.32E-04	7.25E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
3579	743713.74	4108153.73	7.46E-05	1.36E-04	7.47E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.39E-06	1.06E-05	3.51E-07
3580	743750.11	4108179.06	7.64E-05	1.39E-04	7.65E-06	1.18E-05	2.28E-05	1.15E-06	1.15E-05	1.96E-05	1.46E-06	6.55E-06	1.08E-05	3.59E-07
3581	743786.47	4108204.39	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
3582	743822.84	4108229.72	7.85E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.18E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
3583	743859.2	4108255.05	7.91E-05	1.44E-04	7.92E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
3584	743895.57	4108280.38	7.96E-05	1.45E-04	7.96E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
3585	743931.93	4108305.71	8.02E-05	1.46E-04	8.03E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
3586	743968.3	4108331.04	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
3587	744004.66	4108356.37	8.24E-05	1.50E-04	8.24E-06	1.28E-05	2.46E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.06E-06	1.17E-05	3.87E-07
3588	744041.03	4108381.7	8.39E-05	1.53E-04	8.39E-06	1.30E-05	2.51E-05	1.26E-06	1.26E-05	2.16E-05	1.60E-06	7.19E-06	1.19E-05	3.94E-07
3589	744077.39	4108407.03	8.54E-05	1.56E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.20E-05	1.63E-06	7.32E-06	1.21E-05	4.01E-07
3590	744113.76	4108432.36	8.67E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.07E-07
3591	744150.12	4108457.69	8.76E-05	1.60E-04	8.76E-06	1.36E-05	2.62E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.50E-06	1.24E-05	4.11E-07
3592	740447.3	4107675.35	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.53E-06	1.17E-07
3593	740409.68	4107699.27	2.57E-05	4.68E-05	2.57E-06	3.99E-06	7.68E-06	3.86E-07	3.88E-06	6.61E-06	4.90E-07	2.20E-06	3.64E-06	1.21E-07
3594	740372.05	4107723.19	2.64E-05	4.81E-05	2.64E-06	4.09E-06	7.88E-06	3.96E-07	3.98E-06	6.78E-06	5.03E-07	2.26E-06	3.74E-06	1.24E-07
3595	740316.86	4107314.29	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.96E-06	3.67E-07	1.65E-06	2.73E-06	9.06E-08
3596	740360.41	4107306.6	1.89E-05	3.45E-05	1.89E-06	2.93E-06	5.65E-06	2.84E-07	2.85E-06	4.86E-06	3.61E-07	1.62E-06	2.68E-06	8.89E-08

3597	740403.96	4107298.91	1.86E-05	3.40E-05	1.87E-06	2.89E-06	5.57E-06	2.80E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.76E-08
3598	740447.51	4107291.23	1.85E-05	3.36E-05	1.85E-06	2.86E-06	5.52E-06	2.77E-07	2.78E-06	4.75E-06	3.52E-07	1.58E-06	2.62E-06	8.68E-08
3599	740491.06	4107283.54	1.84E-05	3.35E-05	1.84E-06	2.85E-06	5.50E-06	2.76E-07	2.78E-06	4.73E-06	3.51E-07	1.58E-06	2.61E-06	8.65E-08
3600	740534.62	4107275.85	1.85E-05	3.37E-05	1.85E-06	2.87E-06	5.52E-06	2.77E-07	2.79E-06	4.75E-06	3.52E-07	1.58E-06	2.62E-06	8.68E-08
3601	740578.17	4107268.17	1.86E-05	3.40E-05	1.87E-06	2.89E-06	5.57E-06	2.80E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.76E-08
3602	740621.72	4107260.48	1.89E-05	3.44E-05	1.89E-06	2.93E-06	5.64E-06	2.83E-07	2.85E-06	4.85E-06	3.60E-07	1.62E-06	2.68E-06	8.87E-08
3603	740665.27	4107252.79	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.72E-06	2.87E-07	2.89E-06	4.92E-06	3.65E-07	1.64E-06	2.72E-06	9.00E-08
3604	740708.82	4107245.1	1.94E-05	3.54E-05	1.95E-06	3.02E-06	5.81E-06	2.92E-07	2.93E-06	5.00E-06	3.71E-07	1.67E-06	2.76E-06	9.14E-08
3605	740752.38	4107237.42	1.97E-05	3.59E-05	1.97E-06	3.05E-06	5.88E-06	2.95E-07	2.97E-06	5.06E-06	3.75E-07	1.69E-06	2.79E-06	9.25E-08
3606	740795.93	4107229.73	1.98E-05	3.62E-05	1.99E-06	3.08E-06	5.93E-06	2.98E-07	2.99E-06	5.10E-06	3.78E-07	1.70E-06	2.81E-06	9.33E-08
3607	740839.48	4107222.04	1.99E-05	3.63E-05	1.99E-06	3.09E-06	5.95E-06	2.99E-07	3.00E-06	5.12E-06	3.80E-07	1.71E-06	2.82E-06	9.36E-08
3608	740883.03	4107214.36	1.99E-05	3.63E-05	1.99E-06	3.09E-06	5.96E-06	2.99E-07	3.01E-06	5.12E-06	3.80E-07	1.71E-06	2.83E-06	9.37E-08
3609	740926.58	4107206.67	1.99E-05	3.62E-05	1.99E-06	3.08E-06	5.94E-06	2.98E-07	3.00E-06	5.11E-06	3.79E-07	1.70E-06	2.82E-06	9.34E-08
3610	740970.14	4107198.98	1.98E-05	3.61E-05	1.98E-06	3.07E-06	5.92E-06	2.97E-07	2.99E-06	5.09E-06	3.78E-07	1.70E-06	2.81E-06	9.31E-08
3611	741013.69	4107191.29	1.97E-05	3.60E-05	1.97E-06	3.06E-06	5.90E-06	2.96E-07	2.98E-06	5.07E-06	3.76E-07	1.69E-06	2.80E-06	9.27E-08
3612	741057.24	4107183.61	1.97E-05	3.59E-05	1.97E-06	3.06E-06	5.89E-06	2.96E-07	2.97E-06	5.06E-06	3.75E-07	1.69E-06	2.79E-06	9.26E-08
3613	741100.79	4107175.92	1.97E-05	3.60E-05	1.98E-06	3.06E-06	5.90E-06	2.96E-07	2.98E-06	5.08E-06	3.76E-07	1.69E-06	2.80E-06	9.28E-08
3614	741144.34	4107168.23	1.99E-05	3.62E-05	1.99E-06	3.08E-06	5.94E-06	2.98E-07	3.00E-06	5.11E-06	3.79E-07	1.70E-06	2.82E-06	9.34E-08
3615	741187.9	4107160.55	2.01E-05	3.66E-05	2.01E-06	3.12E-06	6.01E-06	3.02E-07	3.03E-06	5.17E-06	3.83E-07	1.72E-06	2.85E-06	9.45E-08
3616	741231.45	4107152.86	2.04E-05	3.72E-05	2.04E-06	3.17E-06	6.11E-06	3.07E-07	3.08E-06	5.25E-06	3.89E-07	1.75E-06	2.90E-06	9.60E-08
3617	741275	4107145.17	2.08E-05	3.79E-05	2.08E-06	3.23E-06	6.22E-06	3.13E-07	3.14E-06	5.35E-06	3.97E-07	1.78E-06	2.95E-06	9.79E-08
3618	741318.55	4107137.48	2.12E-05	3.87E-05	2.13E-06	3.30E-06	6.35E-06	3.19E-07	3.20E-06	5.46E-06	4.05E-07	1.82E-06	3.01E-06	9.99E-08
3619	741362.1	4107129.8	2.16E-05	3.94E-05	2.17E-06	3.36E-06	6.47E-06	3.25E-07	3.26E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
3620	741405.66	4107122.11	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.58E-06	3.30E-07	3.32E-06	5.66E-06	4.20E-07	1.89E-06	3.12E-06	1.03E-07
3621	741449.21	4107114.42	2.23E-05	4.06E-05	2.23E-06	3.46E-06	6.66E-06	3.35E-07	3.36E-06	5.73E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
3622	741492.76	4107106.74	2.25E-05	4.10E-05	2.25E-06	3.49E-06	6.72E-06	3.38E-07	3.39E-06	5.78E-06	4.29E-07	1.93E-06	3.19E-06	1.06E-07
3623	741536.31	4107099.05	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.75E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3624	741579.87	4107091.36	2.26E-05	4.13E-05	2.27E-06	3.51E-06	6.76E-06	3.40E-07	3.41E-06	5.82E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3625	741623.42	4107083.68	2.26E-05	4.13E-05	2.27E-06	3.51E-06	6.76E-06	3.40E-07	3.41E-06	5.82E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3626	741666.97	4107075.99	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.76E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3627	741710.52	4107068.3	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.76E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3628	741754.07	4107060.61	2.27E-05	4.13E-05	2.27E-06	3.52E-06	6.78E-06	3.40E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.22E-06	1.07E-07
3629	741797.63	4107052.93	2.28E-05	4.16E-05	2.28E-06	3.54E-06	6.82E-06	3.42E-07	3.44E-06	5.87E-06	4.35E-07	1.96E-06	3.24E-06	1.07E-07
3630	741841.18	4107045.24	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
3631	741884.73	4107037.55	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
3632	741928.28	4107029.87	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
3633	741971.83	4107022.18	2.39E-05	4.36E-05	2.39E-06	3.71E-06	7.14E-06	3.59E-07	3.61E-06	6.15E-06	4.56E-07	2.05E-06	3.39E-06	1.12E-07
3634	742015.39	4107014.49	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
3635	742058.94	4107006.8	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.15E-07
3636	742102.49	4106999.12	2.44E-05	4.45E-05	2.45E-06	3.79E-06	7.30E-06	3.67E-07	3.69E-06	6.28E-06	4.66E-07	2.09E-06	3.47E-06	1.15E-07
3637	742146.04	4106991.43	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.29E-06	3.66E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
3638	742189.59	4106983.74	2.43E-05	4.42E-05	2.43E-06	3.76E-06	7.25E-06	3.64E-07	3.66E-06	6.24E-06	4.63E-07	2.08E-06	3.44E-06	1.14E-07
3639	742233.15	4106976.06	2.41E-05	4.38E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.18E-06	4.58E-07	2.06E-06	3.41E-06	1.13E-07
3640	742276.7	4106968.37	2.38E-05	4.34E-05	2.38E-06	3.69E-06	7.11E-06	3.57E-07	3.59E-06	6.12E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
3641	742320.25	4106960.68	2.35E-05	4.29E-05	2.35E-06	3.65E-06	7.03E-06	3.53E-07	3.55E-06	6.05E-06	4.48E-07	2.02E-06	3.34E-06	1.11E-07
3642	742363.8	4106952.99	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
3643	742407.35	4106945.31	2.31E-05	4.21E-05	2.31E-06	3.58E-06	6.90E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
3644	742450.91	4106937.62	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
3645	742494.46	4106929.93	2.31E-05	4.21E-05	2.31E-06	3.58E-06	6.90E-06	3.47E-07	3.48E-06	5.94E-06	4.40E-07	1.98E-06	3.28E-06	1.09E-07
3646	742538.01	4106922.25	2.33E-05	4.25E-05	2.34E-06	3.62E-06	6.97E-06	3.50E-07	3.52E-06	6.00E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
3647	742599.71	4106927.2	2.42E-05	4.40E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.64E-06	6.21E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
3648	742636	4106952.47	2.52E-05	4.58E-05	2.52E-06	3.90E-06	7.52E-06	3.78E-07	3.79E-06	6.47E-06	4.79E-07	2.16E-06	3.57E-06	1.18E-07
3649	742672.29	4106977.75	2.63E-05	4.79E-05	2.63E-06	4.07E-06	7.85E-06	3.94E-07	3.96E-06	6.75E-06	5.00E-07	2.25E-06	3.72E-06	1.23E-07
3650	742708.58	4107003.03	2.74E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.05E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
3651	742744.87	4107028.3	2.86E-05	5.22E-05	2.87E-06	4.44E-06	8.56E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
3652	742781.16	4107053.58	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.90E-06	4.47E-07	4.49E-06	7.66E-06	5.68E-07	2.55E-06	4.23E-06	1.40E-07
3653	742817.45	4107078.86	3.09E-05	5.62E-05	3.09E-06	4.79E-06	9.22E-06	4.63E-07	4.65E-06	7.93E-06	5.88E-07	2.64E-06	4.38E-06	1.45E-07
3654	742853.74	4107104.14	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.48E-06	4.76E-07	4.78E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
3655	742890.03	4107129.41	3.24E-05	5.90E-05	3.24E-06	5.02E-06	9.66E-06	4.86E-07	4.88E-06	8.32E-06	6.16E-07	2.77E-06	4.59E-06	1.52E-07
3656	742926.32	4107154.69	3.27E-05	5.96E-05	3.27E-06	5.07E-06	9.77E-06	4.91E-07	4.93E-06	8.41E-06	6.23E-07	2.80E-06	4.64E-06	1.54E-07
3657	742962.6	4107179.97	3.28E-05	5.98E-05	3.28E-06	5.09E-06	9.80E-06	4.92E-07	4.95E-06	8.43E-06	6.25E-07	2.81E-06	4.65E-06	1.54E-07
3658	742998.89	4107205.24	3.27E-05	5.95E-05	3.27E-06	5.06E-06	9.75E-06	4.90E-07	4.92E-06	8.39E-06	6.22E-07	2.80E-06	4.63E-06	1.53E-07
3659	743035.18	4107230.52	3.24E-05	5.90E-05	3.24E-06	5.02E-06	9.67E-06	4.86E-07	4.88E-06	8.32E-06	6.17E-07	2.77E-06	4.59E-06	1.52E-07
3660	743071.47	4107255.8	3.20E-05	5.84E-05	3.20E-06	4.97E-06	9.57E-06	4.81E-07	4.83E-06	8.23E-06	6.10E-07	2.74E-06	4.54E-06	1.51E-07
3661	743107.76	4107281.07	3.18E-05	5.79E-05	3.18E-06	4.93E-06	9.49E-06	4.77E-07	4.79E-06	8.17E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
3662	743144.05	4107306.35	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.47E-06	4.76E-07	4.78E-06	8.15E-06	6.04E-07	2.72E-06	4.49E-06	1.49E-07
3663	743180.34	4107331.63	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.52E-06	4.78E-07	4.80E-06	8.19E-06	6.07E-07	2.73E-06	4.52E-06	1.50E-07
3664	743216.63	4107356.9	3.23E-05	5.89E-05	3.23E-06	5.01E-06	9.65E-06	4.85E-07	4.87E-06	8.30E-06	6.16E-07	2.77E-06	4.58E-06	1.52E-07
3665	743252.92	4107382.18	3.30E-05	6.01E-05	3.30E-06	5.12E-06	9.86E-06	4.95E-07	4.98E-06	8.48E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
3666	743289.21	4107407.46	3.38E-05	6.17E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.10E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
3667	743325.5	4107432.74	3.48E-05	6.34E-05	3.48E-06	5.40E-06	1.04E-05	5.22E-07	5.25E-06	8.94E-06	6.63E-07	2.98E-06	4.93E-06	1.63E-07
3668	743361.79	4107458.01	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.40E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07

3669	743398.08	4107483.29	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.55E-06	9.45E-06	7.01E-07	3.15E-06	5.21E-06	1.73E-07
3670	743434.37	4107508.57	3.78E-05	6.89E-05	3.78E-06	5.86E-06	1.13E-05	5.67E-07	5.70E-06	9.71E-06	7.20E-07	3.24E-06	5.36E-06	1.78E-07
3671	743470.66	4107533.84	3.89E-05	7.08E-05	3.89E-06	6.03E-06	1.16E-05	5.83E-07	5.86E-06	9.99E-06	7.41E-07	3.33E-06	5.51E-06	1.83E-07
3672	743506.95	4107559.12	4.01E-05	7.30E-05	4.01E-06	6.21E-06	1.20E-05	6.01E-07	6.04E-06	1.03E-05	7.64E-07	3.43E-06	5.68E-06	1.88E-07
3673	743543.24	4107584.4	4.14E-05	7.54E-05	4.14E-06	6.42E-06	1.24E-05	6.21E-07	6.24E-06	1.06E-05	7.89E-07	3.55E-06	5.87E-06	1.94E-07
3674	743579.53	4107609.67	4.28E-05	7.80E-05	4.28E-06	6.64E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.16E-07	3.67E-06	6.07E-06	2.01E-07
3675	743615.82	4107634.95	4.44E-05	8.08E-05	4.44E-06	6.88E-06	1.33E-05	6.66E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
3676	743652.11	4107660.23	4.60E-05	8.37E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.93E-06	1.18E-05	8.76E-07	3.94E-06	6.52E-06	2.16E-07
3677	743688.4	4107685.51	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.17E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
3678	743724.69	4107710.78	4.92E-05	8.97E-05	4.92E-06	7.63E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
3679	743760.98	4107736.06	5.09E-05	9.27E-05	5.09E-06	7.89E-06	1.52E-05	7.63E-07	7.67E-06	1.31E-05	9.69E-07	4.36E-06	7.21E-06	2.39E-07
3680	743797.27	4107761.34	5.25E-05	9.57E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
3681	743833.56	4107786.61	5.43E-05	9.89E-05	5.43E-06	8.41E-06	1.62E-05	8.14E-07	8.18E-06	1.39E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
3682	743869.85	4107811.89	5.60E-05	1.02E-04	5.60E-06	8.68E-06	1.67E-05	8.40E-07	8.44E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
3683	743906.14	4107837.17	5.77E-05	1.05E-04	5.78E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.95E-06	8.18E-06	2.71E-07
3684	743942.43	4107862.44	5.94E-05	1.08E-04	5.94E-06	9.21E-06	1.77E-05	8.91E-07	8.95E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
3685	743978.72	4107887.72	6.08E-05	1.11E-04	6.09E-06	9.43E-06	1.82E-05	9.13E-07	9.17E-06	1.56E-05	1.16E-06	5.21E-06	8.62E-06	2.86E-07
3686	744015.01	4107913	6.20E-05	1.13E-04	6.20E-06	9.61E-06	1.85E-05	9.30E-07	9.35E-06	1.59E-05	1.18E-06	5.31E-06	8.79E-06	2.91E-07
3687	744051.3	4107938.27	6.28E-05	1.14E-04	6.29E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
3688	744087.59	4107963.55	6.33E-05	1.15E-04	6.34E-06	9.82E-06	1.89E-05	9.51E-07	9.55E-06	1.63E-05	1.21E-06	5.43E-06	8.98E-06	2.98E-07
3689	744123.88	4107988.83	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.02E-06	2.99E-07
3690	744160.17	4108014.11	6.38E-05	1.16E-04	6.38E-06	9.89E-06	1.90E-05	9.57E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.04E-06	3.00E-07
3691	744196.46	4108039.38	6.40E-05	1.17E-04	6.41E-06	9.93E-06	1.91E-05	9.61E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
3692	744232.75	4108064.66	6.45E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
3693	744269.04	4108089.94	6.53E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.81E-07	9.85E-06	1.68E-05	1.25E-06	5.60E-06	9.26E-06	3.07E-07
3694	744305.33	4108115.21	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
3695	744341.62	4108140.49	6.76E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.59E-06	3.18E-07
3696	744377.91	4108165.77	6.89E-05	1.26E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.77E-06	3.24E-07
3697	744414.2	4108191.04	7.00E-05	1.27E-04	7.00E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.92E-06	3.29E-07
3698	744450.49	4108216.32	7.08E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
3699	744486.78	4108241.6	7.13E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
3700	740232.71	4107337.78	2.02E-05	3.68E-05	2.02E-06	3.13E-06	6.03E-06	3.03E-07	3.04E-06	5.19E-06	3.85E-07	1.73E-06	2.86E-06	9.49E-08
3701	740195.09	4107361.7	2.08E-05	3.79E-05	2.08E-06	3.22E-06	6.21E-06	3.12E-07	3.14E-06	5.34E-06	3.96E-07	1.78E-06	2.95E-06	9.77E-08
3702	740157.46	4107385.62	2.13E-05	3.89E-05	2.13E-06	3.31E-06	6.37E-06	3.20E-07	3.22E-06	5.48E-06	4.06E-07	1.83E-06	3.02E-06	1.00E-07
3703	741778.38	4110028.65	5.36E-03	9.76E-03	5.36E-04	8.31E-04	1.60E-03	8.04E-05	8.08E-04	1.38E-03	1.02E-04	4.59E-04	7.60E-04	2.52E-05
3704	741802.6	4110066.63	6.80E-03	1.24E-02	6.81E-04	1.06E-03	2.03E-03	1.02E-04	1.03E-03	1.75E-03	1.30E-04	5.83E-04	9.65E-04	3.20E-05
3705	741826.83	4110104.6	7.11E-03	1.30E-02	7.11E-04	1.10E-03	2.12E-03	1.07E-04	1.07E-03	1.83E-03	1.35E-04	6.09E-04	1.01E-03	3.34E-05
3706	741838.94	4110123.59	6.89E-03	1.25E-02	6.89E-04	1.07E-03	2.06E-03	1.03E-04	1.04E-03	1.77E-03	1.31E-04	5.90E-04	9.76E-04	3.24E-05
3707	741851.06	4110142.58	6.40E-03	1.17E-02	6.40E-04	9.92E-04	1.91E-03	9.60E-05	9.65E-04	1.65E-03	1.22E-04	5.48E-04	9.07E-04	3.01E-05
3708	741863.17	4110161.57	5.65E-03	1.03E-02	5.65E-04	8.76E-04	1.69E-03	8.48E-05	8.52E-04	1.45E-03	1.08E-04	4.84E-04	8.01E-04	2.65E-05
3709	741875.28	4110180.55	4.70E-03	8.57E-03	4.70E-04	7.29E-04	1.40E-03	7.06E-05	7.09E-04	1.21E-03	8.96E-05	4.03E-04	6.67E-04	2.21E-05
3710	741887.4	4110199.54	3.72E-03	6.78E-03	3.73E-04	5.77E-04	1.11E-03	5.59E-05	5.61E-04	9.57E-04	7.10E-05	3.19E-04	5.28E-04	1.75E-05
3711	741750.64	4110004.38	3.83E-03	6.98E-03	3.83E-04	5.94E-04	1.14E-03	5.75E-05	5.78E-04	9.85E-04	7.30E-05	3.28E-04	5.43E-04	1.80E-05
3712	741805.75	4110118.05	5.34E-03	9.74E-03	5.35E-04	8.29E-04	1.60E-03	8.02E-05	8.06E-04	1.37E-03	1.02E-04	4.58E-04	7.58E-04	2.51E-05
3713	741817.87	4110137.04	5.15E-03	9.39E-03	5.15E-04	7.99E-04	1.54E-03	7.73E-05	7.77E-04	1.32E-03	9.82E-05	4.41E-04	7.30E-04	2.42E-05
3714	741829.98	4110156.02	4.80E-03	8.75E-03	4.80E-04	7.44E-04	1.43E-03	7.21E-05	7.24E-04	1.23E-03	9.15E-05	4.11E-04	6.81E-04	2.26E-05
3715	741842.09	4110175.01	4.32E-03	7.87E-03	4.32E-04	6.70E-04	1.29E-03	6.48E-05	6.51E-04	1.11E-03	8.23E-05	3.70E-04	6.12E-04	2.03E-05
3716	741854.21	4110194	3.73E-03	6.79E-03	3.73E-04	5.78E-04	1.11E-03	5.59E-05	5.62E-04	9.58E-04	7.10E-05	3.19E-04	5.28E-04	1.75E-05
3717	741866.32	4110212.99	3.09E-03	5.64E-03	3.10E-04	4.80E-04	9.24E-04	4.64E-05	4.67E-04	7.95E-04	5.90E-05	2.65E-04	4.39E-04	1.45E-05
3718	741736.22	4110055.54	3.69E-03	6.73E-03	3.70E-04	5.73E-04	1.10E-03	5.54E-05	5.57E-04	9.50E-04	7.04E-05	3.17E-04	5.24E-04	1.74E-05
3719	741760.45	4110093.52	4.19E-03	7.63E-03	4.19E-04	6.49E-04	1.25E-03	6.28E-05	6.31E-04	1.08E-03	7.97E-05	3.59E-04	5.93E-04	1.97E-05
3720	741784.68	4110131.49	4.19E-03	7.63E-03	4.19E-04	6.49E-04	1.25E-03	6.28E-05	6.31E-04	1.08E-03	7.98E-05	3.59E-04	5.94E-04	1.97E-05
3721	741796.79	4110150.48	4.03E-03	7.34E-03	4.03E-04	6.24E-04	1.20E-03	6.04E-05	6.07E-04	1.04E-03	7.67E-05	3.45E-04	5.71E-04	1.89E-05
3722	741808.9	4110169.47	3.78E-03	6.89E-03	3.78E-04	5.86E-04	1.13E-03	5.67E-05	5.70E-04	9.72E-04	7.20E-05	3.24E-04	5.36E-04	1.78E-05
3723	741821.02	4110188.46	3.46E-03	6.30E-03	3.46E-04	5.36E-04	1.03E-03	5.19E-05	5.21E-04	8.89E-04	6.59E-05	2.96E-04	4.90E-04	1.62E-05
3724	741833.13	4110207.45	3.06E-03	5.57E-03	3.06E-04	4.74E-04	9.13E-04	4.59E-05	4.61E-04	7.86E-04	5.83E-05	2.62E-04	4.33E-04	1.44E-05
3725	741845.24	4110226.43	2.62E-03	4.77E-03	2.62E-04	4.06E-04	7.83E-04	3.93E-05	3.95E-04	6.73E-04	4.99E-05	2.24E-04	3.71E-04	1.23E-05
3726	741707.08	4109922.22	1.93E-03	3.52E-03	1.94E-04	3.00E-04	5.78E-04	2.90E-05	2.92E-04	4.97E-04	3.69E-05	1.66E-04	2.74E-04	9.09E-06
3727	741694.07	4110082.43	2.68E-03	4.88E-03	2.68E-04	4.16E-04	8.01E-04	4.02E-05	4.04E-04	6.89E-04	5.11E-05	2.30E-04	3.80E-04	1.26E-05
3728	741718.3	4110120.41	2.86E-03	5.21E-03	2.86E-04	4.44E-04	8.55E-04	4.29E-05	4.31E-04	7.36E-04	5.45E-05	2.45E-04	4.06E-04	1.34E-05
3729	741742.53	4110158.39	2.81E-03	5.12E-03	2.81E-04	4.35E-04	8.39E-04	4.21E-05	4.23E-04	7.22E-04	5.35E-05	2.41E-04	3.98E-04	1.32E-05
3730	741766.75	4110196.36	2.58E-03	4.70E-03	2.58E-04	4.00E-04	7.71E-04	3.87E-05	3.89E-04	6.63E-04	4.91E-05	2.21E-04	3.66E-04	1.21E-05
3731	741778.87	4110215.35	2.41E-03	4.39E-03	2.41E-04	3.74E-04	7.20E-04	3.62E-05	3.63E-04	6.19E-04	4.59E-05	2.06E-04	3.42E-04	1.13E-05
3732	741790.98	4110234.34	2.20E-03	4.00E-03	2.20E-04	3.41E-04	6.56E-04	3.30E-05	3.31E-04	5.65E-04	4.19E-05	1.88E-04	3.11E-04	1.03E-05
3733	741803.09	4110253.32	1.95E-03	3.56E-03	1.96E-04	3.03E-04	5.84E-04	2.93E-05	2.95E-04	5.02E-04	3.72E-05	1.67E-04	2.77E-04	9.18E-06
3734	741648.11	4110087.77	2.06E-03	3.75E-03	2.06E-04	3.19E-04	6.14E-04	3.09E-05	3.10E-04	5.29E-04	3.92E-05	1.76E-04	2.92E-04	9.66E-06
3735	741640.5	4110044.66	2.05E-03	3.74E-03	2.05E-04	3.18E-04	6.13E-04	3.08E-05	3.09E-04	5.27E-04	3.91E-05	1.76E-04	2.91E-04	9.64E-06
3736	741632.89	4110001.55	1.90E-03	3.47E-03	1.90E-04	2.95E-04	5.69E-04	2.86E-05	2.87E-04	4.89E-04	3.63E-05	1.63E-04	2.70E-04	8.95E-06
3737	741637.84	4109940.51	1.62E-03	2.96E-03	1.62E-04	2.52E-04	4.85E-04	2.44E-05	2.45E-04	4.17E-04	3.09E-05	1.39E-04	2.30E-04	7.63E-06
3738	741688.1	4109868.82	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.03E-05	2.04E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.34E-06
3739	741664.03	4110128.31	2.07E-03	3.77E-03	2.07E-04	3.20E-04	6.17E-04	3.10E-05	3.12E-04	5.31E-04	3.94E-05	1.77E-04	2.93E-04	9.71E-06
3740	741676.15	4110147.3	2.09E-03	3.80E-03	2.09E-04	3.23E-04	6.23E-04	3.13E-05	3.14E-04	5.36E-04	3.97E-05	1.79E-04	2.96E-04	9.80E-06

3741	741688.26	4110166.29	2.07E-03	3.78E-03	2.08E-04	3.22E-04	6.20E-04	3.11E-05	3.13E-04	5.33E-04	3.95E-05	1.78E-04	2.94E-04	9.75E-06
3742	741700.37	4110185.28	2.04E-03	3.72E-03	2.04E-04	3.17E-04	6.10E-04	3.07E-05	3.08E-04	5.25E-04	3.89E-05	1.75E-04	2.90E-04	9.60E-06
3743	741712.49	4110204.26	1.99E-03	3.63E-03	1.99E-04	3.09E-04	5.94E-04	2.99E-05	3.00E-04	5.11E-04	3.79E-05	1.70E-04	2.82E-04	9.35E-06
3744	741724.6	4110223.25	1.91E-03	3.49E-03	1.91E-04	2.97E-04	5.72E-04	2.87E-05	2.89E-04	4.92E-04	3.65E-05	1.64E-04	2.71E-04	8.99E-06
3745	741736.71	4110242.24	1.81E-03	3.30E-03	1.81E-04	2.81E-04	5.41E-04	2.72E-05	2.73E-04	4.65E-04	3.45E-05	1.55E-04	2.57E-04	8.51E-06
3746	741748.83	4110261.23	1.68E-03	3.06E-03	1.68E-04	2.60E-04	5.02E-04	2.52E-05	2.53E-04	4.32E-04	3.20E-05	1.44E-04	2.38E-04	7.89E-06
3747	741760.94	4110280.22	1.53E-03	2.79E-03	1.53E-04	2.37E-04	4.57E-04	2.29E-05	2.30E-04	3.93E-04	2.91E-05	1.31E-04	2.17E-04	7.18E-06
3748	741587.57	4110010.48	1.59E-03	2.89E-03	1.59E-04	2.46E-04	4.74E-04	2.38E-05	2.39E-04	4.08E-04	3.02E-05	1.36E-04	2.25E-04	7.45E-06
3749	741613.11	4109895.33	1.23E-03	2.24E-03	1.23E-04	1.90E-04	3.67E-04	1.84E-05	1.85E-04	3.16E-04	2.34E-05	1.05E-04	1.74E-04	5.77E-06
3750	741637.55	4109860.48	1.12E-03	2.04E-03	1.12E-04	1.73E-04	3.34E-04	1.68E-05	1.68E-04	2.87E-04	2.13E-05	9.57E-05	1.58E-04	5.25E-06
3751	741609.77	4110136.22	1.57E-03	2.86E-03	1.57E-04	2.43E-04	4.69E-04	2.36E-05	2.37E-04	4.04E-04	2.99E-05	1.35E-04	2.23E-04	7.38E-06
3752	741633.99	4110174.19	1.59E-03	2.90E-03	1.60E-04	2.47E-04	4.76E-04	2.39E-05	2.40E-04	4.10E-04	3.04E-05	1.37E-04	2.26E-04	7.49E-06
3753	741658.22	4110212.17	1.58E-03	2.87E-03	1.58E-04	2.45E-04	4.71E-04	2.37E-05	2.38E-04	4.05E-04	3.01E-05	1.35E-04	2.24E-04	7.41E-06
3754	741670.33	4110231.16	1.55E-03	2.82E-03	1.55E-04	2.40E-04	4.62E-04	2.32E-05	2.33E-04	3.98E-04	2.95E-05	1.33E-04	2.19E-04	7.27E-06
3755	741682.45	4110250.14	1.50E-03	2.73E-03	1.50E-04	2.33E-04	4.48E-04	2.25E-05	2.26E-04	3.86E-04	2.86E-05	1.29E-04	2.13E-04	7.05E-06
3756	741694.56	4110269.13	1.43E-03	2.61E-03	1.43E-04	2.22E-04	4.28E-04	2.15E-05	2.16E-04	3.68E-04	2.73E-05	1.23E-04	2.03E-04	6.73E-06
3757	741718.79	4110307.11	1.24E-03	2.26E-03	1.24E-04	1.92E-04	3.70E-04	1.86E-05	1.87E-04	3.18E-04	2.36E-05	1.06E-04	1.76E-04	5.82E-06
3758	741563.98	4110142.53	1.29E-03	2.35E-03	1.29E-04	2.00E-04	3.86E-04	1.94E-05	1.95E-04	3.32E-04	2.46E-05	1.11E-04	1.83E-04	6.07E-06
3759	741556.72	4110101.38	1.36E-03	2.47E-03	1.36E-04	2.10E-04	4.05E-04	2.04E-05	2.05E-04	3.49E-04	2.59E-05	1.16E-04	1.92E-04	6.38E-06
3760	741549.45	4110060.23	1.38E-03	2.52E-03	1.38E-04	2.14E-04	4.13E-04	2.08E-05	2.09E-04	3.55E-04	2.64E-05	1.18E-04	1.96E-04	6.50E-06
3761	741542.18	4110019.08	1.34E-03	2.44E-03	1.34E-04	2.08E-04	4.00E-04	2.01E-05	2.02E-04	3.44E-04	2.55E-05	1.15E-04	1.90E-04	6.30E-06
3762	741534.92	4109977.93	1.24E-03	2.25E-03	1.24E-04	1.92E-04	3.69E-04	1.86E-05	1.86E-04	3.18E-04	2.36E-05	1.06E-04	1.75E-04	5.81E-06
3763	741539.65	4109919.67	1.09E-03	1.98E-03	1.09E-04	1.69E-04	3.25E-04	1.63E-05	1.64E-04	2.80E-04	2.07E-05	9.32E-05	1.54E-04	5.11E-06
3764	741599.62	4109834.13	9.07E-04	1.65E-03	9.08E-05	1.41E-04	2.71E-04	1.36E-05	1.37E-04	2.33E-04	1.73E-05	7.77E-05	1.29E-04	4.26E-06
3765	741623.61	4109799.91	8.34E-04	1.52E-03	8.34E-05	1.29E-04	2.49E-04	1.25E-05	1.26E-04	2.14E-04	1.59E-05	7.15E-05	1.18E-04	3.92E-06
3766	741579.73	4110182.1	1.26E-03	2.30E-03	1.26E-04	1.96E-04	3.77E-04	1.89E-05	1.90E-04	3.24E-04	2.40E-05	1.08E-04	1.79E-04	5.93E-06
3767	741591.84	4110201.08	1.27E-03	2.31E-03	1.27E-04	1.97E-04	3.79E-04	1.90E-05	1.91E-04	3.26E-04	2.42E-05	1.09E-04	1.80E-04	5.96E-06
3768	741603.95	4110220.07	1.27E-03	2.32E-03	1.27E-04	1.97E-04	3.80E-04	1.91E-05	1.92E-04	3.27E-04	2.42E-05	1.09E-04	1.80E-04	5.98E-06
3769	741616.07	4110239.06	1.27E-03	2.31E-03	1.27E-04	1.96E-04	3.78E-04	1.90E-05	1.91E-04	3.26E-04	2.41E-05	1.09E-04	1.80E-04	5.95E-06
3770	741628.18	4110258.05	1.25E-03	2.28E-03	1.25E-04	1.94E-04	3.73E-04	1.88E-05	1.88E-04	3.21E-04	2.38E-05	1.07E-04	1.77E-04	5.87E-06
3771	741640.29	4110277.04	1.22E-03	2.22E-03	1.22E-04	1.89E-04	3.64E-04	1.83E-05	1.84E-04	3.13E-04	2.32E-05	1.04E-04	1.73E-04	5.73E-06
3772	741652.41	4110296.02	1.17E-03	2.13E-03	1.17E-04	1.82E-04	3.50E-04	1.76E-05	1.77E-04	3.01E-04	2.23E-05	1.00E-04	1.66E-04	5.51E-06
3773	741664.52	4110315.01	1.11E-03	2.02E-03	1.11E-04	1.72E-04	3.31E-04	1.66E-05	1.67E-04	2.85E-04	2.11E-05	9.50E-05	1.57E-04	5.21E-06
3774	741676.63	4110334	1.03E-03	1.88E-03	1.03E-04	1.60E-04	3.09E-04	1.55E-05	1.56E-04	2.66E-04	1.97E-05	8.85E-05	1.46E-04	4.85E-06
3775	741479.5	4110195.34	8.80E-04	1.60E-03	8.81E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.54E-05	1.25E-04	4.14E-06
3776	741471.89	4110152.23	9.37E-04	1.71E-03	9.38E-05	1.45E-04	2.80E-04	1.41E-05	1.41E-04	2.41E-04	1.79E-05	8.03E-05	1.33E-04	4.40E-06
3777	741464.28	4110109.11	9.93E-04	1.81E-03	9.94E-05	1.54E-04	2.97E-04	1.49E-05	1.50E-04	2.55E-04	1.89E-05	8.51E-05	1.41E-04	4.67E-06
3778	741456.67	4110066	1.02E-03	1.85E-03	1.02E-04	1.57E-04	3.03E-04	1.52E-05	1.53E-04	2.61E-04	1.94E-05	8.70E-05	1.44E-04	4.77E-06
3779	741449.06	4110022.89	9.88E-04	1.80E-03	9.89E-05	1.53E-04	2.95E-04	1.48E-05	1.49E-04	2.54E-04	1.88E-05	8.47E-05	1.40E-04	4.64E-06
3780	741441.44	4109979.78	9.22E-04	1.68E-03	9.23E-05	1.43E-04	2.76E-04	1.38E-05	1.39E-04	2.37E-04	1.76E-05	7.90E-05	1.31E-04	4.33E-06
3781	741433.83	4109936.67	8.40E-04	1.53E-03	8.41E-05	1.30E-04	2.51E-04	1.26E-05	1.27E-04	2.16E-04	1.60E-05	7.20E-05	1.19E-04	3.95E-06
3782	741442.59	4109897.19	7.88E-04	1.44E-03	7.88E-05	1.22E-04	2.35E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.75E-05	1.12E-04	3.70E-06
3783	741505.42	4109807.58	6.79E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.82E-05	9.62E-05	3.19E-06
3784	741530.55	4109771.73	6.22E-04	1.13E-03	6.22E-05	9.65E-05	1.86E-04	9.33E-06	9.38E-05	1.60E-04	1.19E-05	5.33E-05	8.82E-05	2.92E-06
3785	741555.68	4109735.89	5.66E-04	1.03E-03	5.66E-05	8.78E-05	1.69E-04	8.49E-06	8.53E-05	1.45E-04	1.08E-05	4.85E-05	8.02E-05	2.66E-06
3786	741580.81	4109700.04	5.11E-04	9.32E-04	5.12E-05	7.93E-05	1.53E-04	7.67E-06	7.71E-05	1.31E-04	9.74E-06	4.38E-05	7.25E-05	2.40E-06
3787	741495.42	4110235.88	8.65E-04	1.58E-03	8.65E-05	1.34E-04	2.58E-04	1.30E-05	1.30E-04	2.22E-04	1.65E-05	7.41E-05	1.23E-04	4.06E-06
3788	741519.65	4110273.86	8.80E-04	1.60E-03	8.80E-05	1.36E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.54E-05	1.25E-04	4.14E-06
3789	741531.76	4110292.84	8.82E-04	1.61E-03	8.82E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.27E-04	1.68E-05	7.55E-05	1.25E-04	4.14E-06
3790	741543.88	4110311.83	8.77E-04	1.60E-03	8.77E-05	1.36E-04	2.62E-04	1.32E-05	1.32E-04	2.25E-04	1.67E-05	7.51E-05	1.24E-04	4.12E-06
3791	741555.99	4110330.82	8.63E-04	1.57E-03	8.63E-05	1.34E-04	2.58E-04	1.29E-05	1.30E-04	2.22E-04	1.64E-05	7.39E-05	1.22E-04	4.05E-06
3792	741568.1	4110349.81	8.39E-04	1.53E-03	8.40E-05	1.30E-04	2.51E-04	1.26E-05	1.27E-04	2.16E-04	1.60E-05	7.19E-05	1.19E-04	3.94E-06
3793	741580.22	4110368.79	8.05E-04	1.47E-03	8.06E-05	1.25E-04	2.41E-04	1.21E-05	1.21E-04	2.07E-04	1.53E-05	6.90E-05	1.14E-04	3.78E-06
3794	741592.33	4110387.78	7.63E-04	1.39E-03	7.63E-05	1.18E-04	2.28E-04	1.14E-05	1.15E-04	1.96E-04	1.45E-05	6.54E-05	1.08E-04	3.59E-06
3795	741395.3	4110249.72	6.46E-04	1.18E-03	6.47E-05	1.00E-04	1.93E-04	9.70E-06	9.74E-05	1.66E-04	1.23E-05	5.54E-05	9.16E-05	3.04E-06
3796	741387.9	4110207.8	6.77E-04	1.23E-03	6.77E-05	1.05E-04	2.02E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.80E-05	9.60E-05	3.18E-06
3797	741380.5	4110165.89	7.21E-04	1.31E-03	7.22E-05	1.12E-04	2.15E-04	1.08E-05	1.09E-04	1.85E-04	1.37E-05	6.18E-05	1.02E-04	3.39E-06
3798	741373.1	4110123.98	7.65E-04	1.39E-03	7.66E-05	1.19E-04	2.29E-04	1.15E-05	1.15E-04	1.97E-04	1.46E-05	6.56E-05	1.09E-04	3.60E-06
3799	741365.7	4110082.06	7.89E-04	1.44E-03	7.90E-05	1.22E-04	2.36E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.76E-05	1.12E-04	3.71E-06
3800	741358.3	4110040.15	7.80E-04	1.42E-03	7.80E-05	1.21E-04	2.33E-04	1.17E-05	1.18E-04	2.00E-04	1.49E-05	6.68E-05	1.11E-04	3.66E-06
3801	741350.9	4109998.24	7.40E-04	1.35E-03	7.41E-05	1.15E-04	2.21E-04	1.11E-05	1.12E-04	1.90E-04	1.41E-05	6.34E-05	1.05E-04	3.48E-06
3802	741343.5	4109956.32	6.87E-04	1.25E-03	6.88E-05	1.07E-04	2.05E-04	1.03E-05	1.04E-04	1.77E-04	1.31E-05	5.89E-05	9.74E-05	3.23E-06
3803	741336.1	4109914.41	6.32E-04	1.15E-03	6.33E-05	9.81E-05	1.89E-04	9.49E-06	9.54E-05	1.63E-04	1.21E-05	5.42E-05	8.97E-05	2.97E-06
3804	741344.62	4109876.03	6.02E-04	1.10E-03	6.02E-05	9.34E-05	1.80E-04	9.03E-06	9.08E-05	1.55E-04	1.15E-05	5.16E-05	8.54E-05	2.83E-06
3805	741405.7	4109788.9	5.43E-04	9.90E-04	5.43E-05	8.42E-05	1.62E-04	8.15E-06	8.19E-05	1.40E-04	1.03E-05	4.65E-05	7.70E-05	2.55E-06
3806	741430.13	4109754.05	5.05E-04	9.19E-04	5.05E-05	7.82E-05	1.51E-04	7.57E-06	7.61E-05	1.30E-04	9.61E-06	4.32E-05	7.15E-05	2.37E-06
3807	741454.56	4109719.2	4.61E-04	8.39E-04	4.61E-05	7.14E-05	1.38E-04	6.91E-06	6.95E-05	1.18E-04	8.78E-06	3.95E-05	6.53E-05	2.16E-06
3808	741479	4109684.35	4.18E-04	7.61E-04	4.18E-05	6.48E-05	1.25E-04	6.27E-06	6.30E-05	1.07E-04	7.96E-06	3.58E-05	5.92E-05	1.96E-06
3809	741503.43	4109649.5	3.81E-04	6.95E-04	3.82E-05	5.91E-05	1.14E-04	5.72E-06	5.75E-05	9.80E-05	7.27E-06	3.27E-05	5.41E-05	1.79E-06
3810	741527.86	4109614.65	3.49E-04	6.36E-04	3.49E-05	5.41E-05	1.04E-04	5.24E-06	5.26E-05	8.97E-05	6.65E-06	2.99E-05	4.95E-05	1.64E-06
3811	741411.12	4110289.66	6.43E-04	1.17E-03	6.43E-05	9.97E-05	1.92E-04	9.65E-06	9.69E-05	1.65E-04	1.22E-05	5.51E-05	9.11E-05	3.02E-06
3812	741423.23	4110308.65	6.50E-04	1.18E-03	6.50E-05	1.01E-04	1.94E-04	9.76E-06	9.80E-05	1.67E-04	1.24E-05	5.57E-05	9.22E-05	3.06E-06

3813	741435.34	4110327.64	6.56E-04	1.20E-03	6.57E-05	1.02E-04	1.96E-04	9.85E-06	9.90E-05	1.69E-04	1.25E-05	5.62E-05	9.31E-05	3.08E-06
3814	741447.46	4110346.63	6.60E-04	1.20E-03	6.60E-05	1.02E-04	1.97E-04	9.90E-06	9.95E-05	1.70E-04	1.26E-05	5.65E-05	9.35E-05	3.10E-06
3815	741471.68	4110384.6	6.51E-04	1.19E-03	6.52E-05	1.01E-04	1.95E-04	9.78E-06	9.82E-05	1.67E-04	1.24E-05	5.58E-05	9.24E-05	3.06E-06
3816	741483.8	4110403.59	6.38E-04	1.16E-03	6.38E-05	9.89E-05	1.91E-04	9.57E-06	9.62E-05	1.64E-04	1.22E-05	5.47E-05	9.04E-05	3.00E-06
3817	741495.91	4110422.58	6.18E-04	1.13E-03	6.19E-05	9.59E-05	1.85E-04	9.28E-06	9.32E-05	1.59E-04	1.18E-05	5.30E-05	8.77E-05	2.91E-06
3818	741508.02	4110441.56	5.93E-04	1.08E-03	5.94E-05	9.20E-05	1.77E-04	8.91E-06	8.95E-05	1.53E-04	1.13E-05	5.08E-05	8.41E-05	2.79E-06
3819	741310.89	4110302.9	5.02E-04	9.15E-04	5.02E-05	7.79E-05	1.50E-04	7.54E-06	7.57E-05	1.29E-04	9.57E-06	4.30E-05	7.12E-05	2.36E-06
3820	741303.28	4110259.79	5.18E-04	9.44E-04	5.18E-05	8.03E-05	1.55E-04	7.77E-06	7.81E-05	1.33E-04	9.87E-06	4.44E-05	7.34E-05	2.43E-06
3821	741295.67	4110216.68	5.46E-04	9.94E-04	5.46E-05	8.46E-05	1.63E-04	8.19E-06	8.23E-05	1.40E-04	1.04E-05	4.68E-05	7.74E-05	2.56E-06
3822	741288.06	4110173.57	5.83E-04	1.06E-03	5.84E-05	9.05E-05	1.74E-04	8.76E-06	8.80E-05	1.50E-04	1.11E-05	5.00E-05	8.27E-05	2.74E-06
3823	741280.45	4110130.46	6.20E-04	1.13E-03	6.20E-05	9.61E-05	1.85E-04	9.30E-06	9.34E-05	1.59E-04	1.18E-05	5.31E-05	8.79E-05	2.91E-06
3824	741272.83	4110087.35	6.38E-04	1.16E-03	6.39E-05	9.90E-05	1.91E-04	9.58E-06	9.62E-05	1.64E-04	1.22E-05	5.47E-05	9.05E-05	3.00E-06
3825	741265.22	4110044.24	6.29E-04	1.15E-03	6.30E-05	9.76E-05	1.88E-04	9.44E-06	9.49E-05	1.62E-04	1.20E-05	5.39E-05	8.92E-05	2.96E-06
3826	741257.61	4110001.13	5.97E-04	1.09E-03	5.98E-05	9.26E-05	1.78E-04	8.96E-06	9.01E-05	1.54E-04	1.14E-05	5.12E-05	8.47E-05	2.81E-06
3827	741250	4109958.02	5.56E-04	1.01E-03	5.56E-05	8.62E-05	1.66E-04	8.35E-06	8.39E-05	1.43E-04	1.06E-05	4.77E-05	7.88E-05	2.61E-06
3828	741242.39	4109914.9	5.16E-04	9.41E-04	5.17E-05	8.01E-05	1.54E-04	7.75E-06	7.79E-05	1.33E-04	9.84E-06	4.42E-05	7.32E-05	2.43E-06
3829	741247.34	4109853.87	4.79E-04	8.73E-04	4.79E-05	7.43E-05	1.43E-04	7.19E-06	7.22E-05	1.23E-04	9.12E-06	4.10E-05	6.79E-05	2.25E-06
3830	741310.17	4109764.26	4.43E-04	8.08E-04	4.43E-05	6.87E-05	1.32E-04	6.65E-06	6.68E-05	1.14E-04	8.45E-06	3.80E-05	6.28E-05	2.08E-06
3831	741335.3	4109728.41	4.15E-04	7.57E-04	4.15E-05	6.44E-05	1.24E-04	6.23E-06	6.26E-05	1.07E-04	7.91E-06	3.56E-05	5.89E-05	1.95E-06
3832	741360.43	4109692.56	3.80E-04	6.93E-04	3.81E-05	5.90E-05	1.14E-04	5.71E-06	5.74E-05	9.78E-05	7.25E-06	3.26E-05	5.39E-05	1.79E-06
3833	741385.56	4109656.72	3.43E-04	6.26E-04	3.44E-05	5.32E-05	1.03E-04	5.15E-06	5.18E-05	8.83E-05	6.54E-06	2.94E-05	4.87E-05	1.61E-06
3834	741410.69	4109620.87	3.11E-04	5.67E-04	3.12E-05	4.83E-05	9.30E-05	4.67E-06	4.70E-05	8.00E-05	5.93E-06	2.67E-05	4.41E-05	1.46E-06
3835	741435.82	4109585.03	2.87E-04	5.23E-04	2.87E-05	4.45E-05	8.57E-05	4.30E-06	4.33E-05	7.37E-05	5.47E-06	2.46E-05	4.07E-05	1.35E-06
3836	741460.95	4109549.18	2.66E-04	4.85E-04	2.67E-05	4.13E-05	7.96E-05	4.00E-06	4.02E-05	6.85E-05	5.08E-06	2.28E-05	3.78E-05	1.25E-06
3837	741326.81	4110343.45	5.03E-04	9.16E-04	5.03E-05	7.80E-05	1.50E-04	7.55E-06	7.58E-05	1.29E-04	9.58E-06	4.31E-05	7.13E-05	2.36E-06
3838	741338.92	4110362.43	5.09E-04	9.27E-04	5.09E-05	7.89E-05	1.52E-04	7.63E-06	7.67E-05	1.31E-04	9.69E-06	4.36E-05	7.21E-05	2.39E-06
3839	741351.04	4110381.42	5.14E-04	9.36E-04	5.14E-05	7.97E-05	1.54E-04	7.71E-06	7.75E-05	1.32E-04	9.79E-06	4.40E-05	7.29E-05	2.41E-06
3840	741363.15	4110400.41	5.17E-04	9.43E-04	5.18E-05	8.02E-05	1.55E-04	7.76E-06	7.80E-05	1.33E-04	9.86E-06	4.43E-05	7.33E-05	2.43E-06
3841	741375.26	4110419.4	5.18E-04	9.43E-04	5.18E-05	8.03E-05	1.55E-04	7.77E-06	7.81E-05	1.33E-04	9.87E-06	4.44E-05	7.34E-05	2.43E-06
3842	741387.38	4110438.38	5.14E-04	9.37E-04	5.15E-05	7.98E-05	1.54E-04	7.72E-06	7.76E-05	1.32E-04	9.80E-06	4.41E-05	7.29E-05	2.42E-06
3843	741411.6	4110476.36	4.94E-04	9.00E-04	4.94E-05	7.66E-05	1.48E-04	7.42E-06	7.45E-05	1.27E-04	9.42E-06	4.23E-05	7.01E-05	2.32E-06
3844	741423.72	4110495.35	4.78E-04	8.70E-04	4.78E-05	7.41E-05	1.43E-04	7.17E-06	7.20E-05	1.23E-04	9.10E-06	4.09E-05	6.77E-05	2.24E-06
3845	741226.51	4110356.24	4.06E-04	7.39E-04	4.06E-05	6.29E-05	1.21E-04	6.09E-06	6.12E-05	1.04E-04	7.73E-06	3.48E-05	5.75E-05	1.91E-06
3846	741218.74	4110312.23	4.15E-04	7.56E-04	4.15E-05	6.43E-05	1.24E-04	6.22E-06	6.25E-05	1.07E-04	7.90E-06	3.55E-05	5.88E-05	1.95E-06
3847	741210.97	4110268.22	4.30E-04	7.84E-04	4.31E-05	6.67E-05	1.29E-04	6.46E-06	6.49E-05	1.11E-04	8.20E-06	3.69E-05	6.10E-05	2.02E-06
3848	741203.2	4110224.21	4.56E-04	8.30E-04	4.56E-05	7.07E-05	1.36E-04	6.84E-06	6.87E-05	1.17E-04	8.68E-06	3.90E-05	6.46E-05	2.14E-06
3849	741195.43	4110180.2	4.88E-04	8.89E-04	4.88E-05	7.57E-05	1.46E-04	7.33E-06	7.36E-05	1.25E-04	9.30E-06	4.18E-05	6.92E-05	2.29E-06
3850	741187.66	4110136.19	5.18E-04	9.43E-04	5.18E-05	8.03E-05	1.55E-04	7.77E-06	7.81E-05	1.33E-04	9.87E-06	4.44E-05	7.34E-05	2.43E-06
3851	741179.89	4110092.18	5.32E-04	9.69E-04	5.32E-05	8.24E-05	1.59E-04	7.98E-06	8.02E-05	1.37E-04	1.01E-05	4.55E-05	7.54E-05	2.50E-06
3852	741172.12	4110048.17	5.23E-04	9.52E-04	5.23E-05	8.11E-05	1.56E-04	7.84E-06	7.88E-05	1.34E-04	9.96E-06	4.48E-05	7.41E-05	2.46E-06
3853	741164.35	4110004.16	4.96E-04	9.03E-04	4.96E-05	7.69E-05	1.48E-04	7.44E-06	7.48E-05	1.27E-04	9.45E-06	4.25E-05	7.03E-05	2.33E-06
3854	741156.57	4109960.16	4.62E-04	8.42E-04	4.62E-05	7.16E-05	1.38E-04	6.93E-06	6.96E-05	1.19E-04	8.80E-06	3.96E-05	6.55E-05	2.17E-06
3855	741148.8	4109916.15	4.30E-04	7.84E-04	4.31E-05	6.67E-05	1.29E-04	6.46E-06	6.49E-05	1.11E-04	8.20E-06	3.69E-05	6.10E-05	2.02E-06
3856	741141.03	4109872.14	4.04E-04	7.36E-04	4.04E-05	6.27E-05	1.21E-04	6.06E-06	6.09E-05	1.04E-04	7.70E-06	3.46E-05	5.73E-05	1.90E-06
3857	741149.98	4109831.84	3.92E-04	7.15E-04	3.93E-05	6.08E-05	1.17E-04	5.89E-06	5.92E-05	1.01E-04	7.48E-06	3.36E-05	5.56E-05	1.84E-06
3858	741175.63	4109795.24	3.89E-04	7.09E-04	3.89E-05	6.03E-05	1.16E-04	5.84E-06	5.86E-05	1.00E-04	7.41E-06	3.33E-05	5.51E-05	1.83E-06
3859	741201.28	4109758.65	3.79E-04	6.90E-04	3.79E-05	5.87E-05	1.13E-04	5.68E-06	5.71E-05	9.73E-05	7.21E-06	3.24E-05	5.37E-05	1.78E-06
3860	741214.11	4109740.35	3.71E-04	6.76E-04	3.71E-05	5.75E-05	1.11E-04	5.57E-06	5.59E-05	9.54E-05	7.07E-06	3.18E-05	5.26E-05	1.74E-06
3861	741239.77	4109703.76	3.51E-04	6.39E-04	3.51E-05	5.44E-05	1.05E-04	5.26E-06	5.29E-05	9.01E-05	6.68E-06	3.00E-05	4.97E-05	1.65E-06
3862	741265.42	4109667.17	3.24E-04	5.90E-04	3.24E-05	5.02E-05	9.67E-05	4.86E-06	4.88E-05	8.32E-05	6.17E-06	2.77E-05	4.59E-05	1.52E-06
3863	741278.25	4109648.87	3.09E-04	5.62E-04	3.09E-05	4.78E-05	9.22E-05	4.63E-06	4.65E-05	7.93E-05	5.88E-06	2.64E-05	4.37E-05	1.45E-06
3864	741303.9	4109612.28	2.78E-04	5.07E-04	2.78E-05	4.31E-05	8.31E-05	4.17E-06	4.19E-05	7.15E-05	5.30E-06	2.38E-05	3.94E-05	1.31E-06
3865	741329.55	4109575.69	2.52E-04	4.59E-04	2.52E-05	3.91E-05	7.53E-05	3.78E-06	3.80E-05	6.48E-05	4.80E-06	2.16E-05	3.57E-05	1.18E-06
3866	741355.21	4109539.09	2.33E-04	4.24E-04	2.33E-05	3.61E-05	6.95E-05	3.49E-06	3.51E-05	5.98E-05	4.43E-06	1.99E-05	3.30E-05	1.09E-06
3867	741380.86	4109502.5	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.51E-05	3.27E-06	3.29E-05	5.60E-05	4.15E-06	1.87E-05	3.09E-05	1.02E-06
3868	741406.52	4109465.91	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.11E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
3869	741419.34	4109447.61	2.01E-04	3.66E-04	2.01E-05	3.11E-05	5.99E-05	3.01E-06	3.03E-05	5.16E-05	3.82E-06	1.72E-05	2.84E-05	9.43E-07
3870	741242.51	4110397.23	4.07E-04	7.42E-04	4.07E-05	6.31E-05	1.22E-04	6.11E-06	6.14E-05	1.05E-04	7.76E-06	3.49E-05	5.77E-05	1.91E-06
3871	741254.62	4110416.22	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.94E-06
3872	741266.73	4110435.2	4.16E-04	7.59E-04	4.17E-05	6.46E-05	1.24E-04	6.25E-06	6.28E-05	1.07E-04	7.94E-06	3.57E-05	5.91E-05	1.96E-06
3873	741278.85	4110454.19	4.20E-04	7.64E-04	4.20E-05	6.51E-05	1.25E-04	6.30E-06	6.33E-05	1.08E-04	7.99E-06	3.59E-05	5.95E-05	1.97E-06
3874	741290.96	4110473.18	4.21E-04	7.67E-04	4.21E-05	6.52E-05	1.26E-04	6.31E-06	6.34E-05	1.08E-04	8.02E-06	3.60E-05	5.96E-05	1.98E-06
3875	741303.07	4110492.17	4.19E-04	7.64E-04	4.19E-05	6.50E-05	1.25E-04	6.29E-06	6.32E-05	1.08E-04	7.99E-06	3.59E-05	5.94E-05	1.97E-06
3876	741315.19	4110511.16	4.15E-04	7.56E-04	4.15E-05	6.43E-05	1.24E-04	6.22E-06	6.25E-05	1.07E-04	7.90E-06	3.55E-05	5.88E-05	1.95E-06
3877	741327.3	4110530.14	4.07E-04	7.41E-04	4.07E-05	6.31E-05	1.22E-04	6.11E-06	6.13E-05	1.05E-04	7.75E-06	3.49E-05	5.77E-05	1.91E-06
3878	741339.41	4110549.13	3.96E-04	7.21E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.54E-06	3.39E-05	5.61E-05	1.86E-06
3879	741057.91	4110463.9	2.86E-04	5.22E-04	2.87E-05	4.44E-05	8.56E-05	4.30E-06	4.32E-05	7.36E-05	5.46E-06	2.45E-05	4.06E-05	1.35E-06
3880	741050.18	4110420.1	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.45E-05	5.52E-06	2.48E-05	4.11E-05	1.36E-06
3881	741042.45	4110376.29	2.95E-04	5.38E-04	2.95E-05	4.58E-05	8.82E-05	4.43E-06	4.45E-05	7.59E-05	5.62E-06	2.53E-05	4.18E-05	1.39E-06
3882	741034.71	4110332.49	3.03E-04	5.52E-04	3.03E-05	4.70E-05	9.06E-05	4.55E-06	4.57E-05	7.79E-05	5.78E-06	2.60E-05	4.30E-05	1.42E-06
3883	741026.98	4110288.68	3.16E-04	5.77E-04	3.17E-05	4.91E-05	9.45E-05	4.75E-06	4.77E-05	8.13E-05	6.03E-06	2.71E-05	4.49E-05	1.49E-06
3884	741019.24	4110244.87	3.36E-04	6.12E-04	3.36E-05	5.21E-05	1.00E-04	5.04E-06	5.07E-05	8.64E-05	6.40E-06	2.88E-05	4.76E-05	1.58E-06

3885	741011.51	4110201.07	3.59E-04	6.55E-04	3.60E-05	5.57E-05	1.07E-04	5.39E-06	5.42E-05	9.24E-05	6.85E-06	3.08E-05	5.10E-05	1.69E-06
3886	741003.77	4110157.26	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.73E-05	9.77E-05	7.24E-06	3.26E-05	5.39E-05	1.79E-06
3887	740996.04	4110113.45	3.90E-04	7.11E-04	3.90E-05	6.05E-05	1.16E-04	5.85E-06	5.88E-05	1.00E-04	7.43E-06	3.34E-05	5.53E-05	1.83E-06
3888	740988.3	4110069.65	3.86E-04	7.03E-04	3.86E-05	5.98E-05	1.15E-04	5.79E-06	5.82E-05	9.92E-05	7.35E-06	3.31E-05	5.47E-05	1.81E-06
3889	740980.57	4110025.84	3.69E-04	6.73E-04	3.70E-05	5.73E-05	1.10E-04	5.54E-06	5.57E-05	9.50E-05	7.04E-06	3.17E-05	5.24E-05	1.74E-06
3890	740972.84	4109982.04	3.47E-04	6.32E-04	3.47E-05	5.38E-05	1.04E-04	5.20E-06	5.23E-05	8.91E-05	6.61E-06	2.97E-05	4.92E-05	1.63E-06
3891	740965.1	4109938.23	3.24E-04	5.90E-04	3.24E-05	5.03E-05	9.68E-05	4.86E-06	4.89E-05	8.33E-05	6.17E-06	2.78E-05	4.59E-05	1.52E-06
3892	740957.37	4109894.42	3.05E-04	5.56E-04	3.06E-05	4.74E-05	9.12E-05	4.58E-06	4.61E-05	7.85E-05	5.82E-06	2.62E-05	4.33E-05	1.44E-06
3893	740949.63	4109850.62	2.91E-04	5.31E-04	2.91E-05	4.52E-05	8.70E-05	4.37E-06	4.39E-05	7.49E-05	5.55E-06	2.50E-05	4.13E-05	1.37E-06
3894	740954.67	4109788.6	2.82E-04	5.13E-04	2.82E-05	4.37E-05	8.41E-05	4.23E-06	4.25E-05	7.24E-05	5.37E-06	2.41E-05	3.99E-05	1.32E-06
3895	740980.2	4109752.17	2.83E-04	5.15E-04	2.83E-05	4.38E-05	8.44E-05	4.24E-06	4.26E-05	7.26E-05	5.38E-06	2.42E-05	4.01E-05	1.33E-06
3896	741005.74	4109715.75	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.34E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
3897	741031.27	4109679.33	2.70E-04	4.93E-04	2.71E-05	4.19E-05	8.08E-05	4.06E-06	4.08E-05	6.95E-05	5.15E-06	2.32E-05	3.84E-05	1.27E-06
3898	741056.81	4109642.9	2.57E-04	4.69E-04	2.57E-05	3.99E-05	7.69E-05	3.86E-06	3.88E-05	6.61E-05	4.90E-06	2.20E-05	3.65E-05	1.21E-06
3899	741082.34	4109606.48	2.40E-04	4.38E-04	2.40E-05	3.73E-05	7.18E-05	3.61E-06	3.62E-05	6.18E-05	4.58E-06	2.06E-05	3.41E-05	1.13E-06
3900	741107.88	4109570.05	2.21E-04	4.02E-04	2.21E-05	3.42E-05	6.59E-05	3.31E-06	3.33E-05	5.67E-05	4.20E-06	1.89E-05	3.13E-05	1.04E-06
3901	741133.42	4109533.63	2.00E-04	3.65E-04	2.00E-05	3.11E-05	5.98E-05	3.01E-06	3.02E-05	5.15E-05	3.82E-06	1.72E-05	2.84E-05	9.41E-07
3902	741158.95	4109497.21	1.82E-04	3.32E-04	1.82E-05	2.82E-05	5.44E-05	2.73E-06	2.75E-05	4.68E-05	3.47E-06	1.56E-05	2.58E-05	8.56E-07
3903	741184.49	4109460.78	1.68E-04	3.05E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.19E-06	1.44E-05	2.38E-05	7.88E-07
3904	741210.02	4109424.36	1.57E-04	2.86E-04	1.57E-05	2.44E-05	4.70E-05	2.36E-06	2.37E-05	4.04E-05	3.00E-06	1.35E-05	2.23E-05	7.39E-07
3905	741235.56	4109387.93	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.48E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.04E-07
3906	741261.1	4109351.51	1.44E-04	2.63E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.71E-05	2.75E-06	1.24E-05	2.05E-05	6.79E-07
3907	741286.63	4109315.08	1.40E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.61E-05	2.68E-06	1.20E-05	1.99E-05	6.60E-07
3908	741312.17	4109278.66	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
3909	741073.9	4110504.79	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.61E-05	4.33E-06	4.35E-05	7.41E-05	5.49E-06	2.47E-05	4.09E-05	1.35E-06
3910	741086.01	4110523.78	2.91E-04	5.31E-04	2.91E-05	4.52E-05	8.70E-05	4.37E-06	4.39E-05	7.49E-05	5.55E-06	2.50E-05	4.13E-05	1.37E-06
3911	741098.12	4110542.77	2.94E-04	5.36E-04	2.94E-05	4.56E-05	8.78E-05	4.41E-06	4.43E-05	7.56E-05	5.60E-06	2.52E-05	4.17E-05	1.38E-06
3912	741110.24	4110561.76	2.96E-04	5.40E-04	2.96E-05	4.59E-05	8.85E-05	4.45E-06	4.47E-05	7.61E-05	5.64E-06	2.54E-05	4.20E-05	1.39E-06
3913	741122.35	4110580.75	2.97E-04	5.42E-04	2.98E-05	4.61E-05	8.88E-05	4.46E-06	4.48E-05	7.65E-05	5.67E-06	2.55E-05	4.22E-05	1.40E-06
3914	741134.46	4110599.73	2.97E-04	5.42E-04	2.98E-05	4.61E-05	8.89E-05	4.46E-06	4.48E-05	7.65E-05	5.67E-06	2.55E-05	4.22E-05	1.40E-06
3915	741146.58	4110618.72	2.96E-04	5.39E-04	2.96E-05	4.59E-05	8.84E-05	4.44E-06	4.46E-05	7.61E-05	5.64E-06	2.54E-05	4.20E-05	1.39E-06
3916	741158.69	4110637.71	2.93E-04	5.34E-04	2.93E-05	4.54E-05	8.75E-05	4.40E-06	4.42E-05	7.53E-05	5.58E-06	2.51E-05	4.15E-05	1.38E-06
3917	741170.8	4110656.7	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.60E-05	4.32E-06	4.34E-05	7.40E-05	5.49E-06	2.47E-05	4.08E-05	1.35E-06
3918	740889.32	4110571.53	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.27E-05	5.57E-05	4.13E-06	1.86E-05	3.07E-05	1.02E-06
3919	740881.6	4110527.86	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.51E-05	3.27E-06	3.29E-05	5.61E-05	4.16E-06	1.87E-05	3.09E-05	1.02E-06
3920	740873.89	4110484.18	2.21E-04	4.02E-04	2.21E-05	3.42E-05	6.59E-05	3.31E-06	3.33E-05	5.67E-05	4.20E-06	1.89E-05	3.13E-05	1.04E-06
3921	740866.18	4110440.5	2.24E-04	4.08E-04	2.24E-05	3.47E-05	6.69E-05	3.36E-06	3.38E-05	5.76E-05	4.27E-06	1.92E-05	3.17E-05	1.05E-06
3922	740858.47	4110396.82	2.29E-04	4.17E-04	2.29E-05	3.55E-05	6.83E-05	3.43E-06	3.45E-05	5.88E-05	4.36E-06	1.96E-05	3.24E-05	1.07E-06
3923	740850.76	4110353.14	2.36E-04	4.30E-04	2.36E-05	3.66E-05	7.05E-05	3.54E-06	3.56E-05	6.07E-05	4.50E-06	2.02E-05	3.35E-05	1.11E-06
3924	740843.04	4110309.47	2.47E-04	4.51E-04	2.47E-05	3.84E-05	7.39E-05	3.71E-06	3.73E-05	6.36E-05	4.71E-06	2.12E-05	3.51E-05	1.16E-06
3925	740835.33	4110265.79	2.63E-04	4.79E-04	2.63E-05	4.08E-05	7.86E-05	3.95E-06	3.97E-05	6.76E-05	5.01E-06	2.25E-05	3.73E-05	1.24E-06
3926	740827.62	4110222.11	2.80E-04	5.11E-04	2.81E-05	4.35E-05	8.38E-05	4.21E-06	4.23E-05	7.21E-05	5.34E-06	2.40E-05	3.98E-05	1.32E-06
3927	740819.91	4110178.43	2.95E-04	5.38E-04	2.95E-05	4.58E-05	8.81E-05	4.43E-06	4.45E-05	7.58E-05	5.62E-06	2.53E-05	4.18E-05	1.39E-06
3928	740812.2	4110134.75	3.02E-04	5.51E-04	3.02E-05	4.69E-05	9.03E-05	4.54E-06	4.56E-05	7.77E-05	5.76E-06	2.59E-05	4.29E-05	1.42E-06
3929	740804.48	4110091.07	3.00E-04	5.47E-04	3.00E-05	4.66E-05	8.97E-05	4.51E-06	4.53E-05	7.72E-05	5.72E-06	2.57E-05	4.26E-05	1.41E-06
3930	740796.77	4110047.4	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.45E-05	5.52E-06	2.48E-05	4.11E-05	1.36E-06
3931	740789.06	4110003.72	2.74E-04	5.00E-04	2.75E-05	4.26E-05	8.20E-05	4.12E-06	4.14E-05	7.05E-05	5.23E-06	2.35E-05	3.89E-05	1.29E-06
3932	740781.35	4109960.04	2.58E-04	4.69E-04	2.58E-05	3.99E-05	7.70E-05	3.87E-06	3.88E-05	6.62E-05	4.91E-06	2.21E-05	3.65E-05	1.21E-06
3933	740773.64	4109916.36	2.42E-04	4.42E-04	2.42E-05	3.76E-05	7.24E-05	3.64E-06	3.65E-05	6.23E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
3934	740765.93	4109872.68	2.30E-04	4.20E-04	2.30E-05	3.57E-05	6.88E-05	3.46E-06	3.47E-05	5.92E-05	4.39E-06	1.97E-05	3.27E-05	1.08E-06
3935	740758.21	4109829.01	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.33E-06	3.34E-05	5.70E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
3936	740750.5	4109785.33	2.16E-04	3.93E-04	2.16E-05	3.34E-05	6.44E-05	3.23E-06	3.25E-05	5.54E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
3937	740759.38	4109745.33	2.15E-04	3.91E-04	2.15E-05	3.33E-05	6.42E-05	3.22E-06	3.24E-05	5.52E-05	4.09E-06	1.84E-05	3.05E-05	1.01E-06
3938	740784.84	4109709.01	2.17E-04	3.96E-04	2.17E-05	3.37E-05	6.49E-05	3.26E-06	3.28E-05	5.58E-05	4.14E-06	1.86E-05	3.08E-05	1.02E-06
3939	740810.3	4109672.69	2.16E-04	3.94E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.26E-05	5.57E-05	4.13E-06	1.85E-05	3.07E-05	1.02E-06
3940	740835.76	4109636.38	2.12E-04	3.86E-04	2.12E-05	3.29E-05	6.33E-05	3.18E-06	3.20E-05	5.45E-05	4.04E-06	1.82E-05	3.01E-05	9.96E-07
3941	740861.22	4109600.06	2.04E-04	3.72E-04	2.04E-05	3.16E-05	6.10E-05	3.06E-06	3.08E-05	5.24E-05	3.89E-06	1.75E-05	2.89E-05	9.59E-07
3942	740886.68	4109563.74	1.93E-04	3.52E-04	1.93E-05	3.00E-05	5.77E-05	2.90E-06	2.91E-05	4.97E-05	3.68E-06	1.66E-05	2.74E-05	9.08E-07
3943	740912.14	4109527.42	1.81E-04	3.29E-04	1.81E-05	2.80E-05	5.40E-05	2.71E-06	2.72E-05	4.64E-05	3.44E-06	1.55E-05	2.56E-05	8.49E-07
3944	740937.6	4109491.11	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
3945	740963.07	4109454.79	1.53E-04	2.79E-04	1.53E-05	2.38E-05	4.58E-05	2.30E-06	2.31E-05	3.94E-05	2.92E-06	1.31E-05	2.17E-05	7.20E-07
3946	740988.53	4109418.47	1.40E-04	2.56E-04	1.40E-05	2.18E-05	4.19E-05	2.11E-06	2.12E-05	3.61E-05	2.67E-06	1.20E-05	1.99E-05	6.60E-07
3947	741013.99	4109382.15	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
3948	741039.45	4109345.84	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.11E-05	2.30E-06	1.04E-05	1.71E-05	5.68E-07
3949	741064.91	4109309.52	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.42E-05	1.72E-06	1.73E-05	2.95E-05	2.18E-06	9.82E-06	1.62E-05	5.39E-07
3950	741090.37	4109273.2	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.66E-05	2.84E-05	2.10E-06	9.45E-06	1.56E-05	5.18E-07
3951	741115.83	4109236.88	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.21E-05	1.61E-06	1.62E-05	2.76E-05	2.05E-06	9.21E-06	1.52E-05	5.05E-07
3952	741141.29	4109200.56	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.08E-06	1.50E-05	4.98E-07
3953	741166.75	4109164.25	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.13E-05	1.57E-06	1.58E-05	2.70E-05	2.00E-06	8.99E-06	1.49E-05	4.93E-07
3954	741192.22	4109127.93	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.56E-05	2.67E-05	1.98E-06	8.89E-06	1.47E-05	4.87E-07
3955	740905.28	4110612.36	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.52E-05	3.27E-06	3.29E-05	5.61E-05	4.16E-06	1.87E-05	3.09E-05	1.03E-06
3956	740917.4	4110631.35	2.20E-04	4.01E-04	2.20E-05	3.41E-05	6.58E-05	3.30E-06	3.32E-05	5.66E-05	4.19E-06	1.89E-05	3.12E-05	1.03E-06

3957	740929.51	4110650.34	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.71E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
3958	740941.62	4110669.32	2.23E-04	4.07E-04	2.24E-05	3.47E-05	6.68E-05	3.35E-06	3.37E-05	5.74E-05	4.26E-06	1.91E-05	3.17E-05	1.05E-06
3959	740953.74	4110688.31	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
3960	740965.85	4110707.3	2.25E-04	4.10E-04	2.25E-05	3.49E-05	6.72E-05	3.38E-06	3.39E-05	5.78E-05	4.29E-06	1.93E-05	3.19E-05	1.06E-06
3961	740977.96	4110726.29	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
3962	740990.08	4110745.27	2.23E-04	4.07E-04	2.23E-05	3.46E-05	6.67E-05	3.35E-06	3.37E-05	5.74E-05	4.26E-06	1.91E-05	3.17E-05	1.05E-06
3963	741002.19	4110764.26	2.21E-04	4.03E-04	2.21E-05	3.43E-05	6.60E-05	3.32E-06	3.33E-05	5.68E-05	4.21E-06	1.89E-05	3.13E-05	1.04E-06
3964	740720.71	4110679.14	1.72E-04	3.13E-04	1.72E-05	2.66E-05	5.13E-05	2.57E-06	2.59E-05	4.41E-05	3.27E-06	1.47E-05	2.43E-05	8.06E-07
3965	740713.02	4110635.55	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.15E-05	2.58E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.09E-07
3966	740705.32	4110591.96	1.73E-04	3.16E-04	1.74E-05	2.69E-05	5.18E-05	2.60E-06	2.62E-05	4.46E-05	3.31E-06	1.49E-05	2.46E-05	8.15E-07
3967	740697.62	4110548.37	1.75E-04	3.20E-04	1.76E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.49E-05	8.24E-07
3968	740689.93	4110504.78	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.36E-07
3969	740682.23	4110461.19	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.50E-07
3970	740674.53	4110417.6	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.53E-05	2.78E-06	2.79E-05	4.76E-05	3.53E-06	1.59E-05	2.63E-05	8.70E-07
3971	740666.84	4110374.01	1.92E-04	3.50E-04	1.92E-05	2.97E-05	5.73E-05	2.88E-06	2.89E-05	4.93E-05	3.66E-06	1.64E-05	2.72E-05	9.01E-07
3972	740659.14	4110330.42	2.02E-04	3.68E-04	2.02E-05	3.13E-05	6.03E-05	3.03E-06	3.04E-05	5.19E-05	3.85E-06	1.73E-05	2.86E-05	9.48E-07
3973	740651.45	4110286.83	2.15E-04	3.91E-04	2.15E-05	3.33E-05	6.41E-05	3.22E-06	3.24E-05	5.52E-05	4.09E-06	1.84E-05	3.04E-05	1.01E-06
3974	740643.75	4110243.25	2.28E-04	4.15E-04	2.28E-05	3.53E-05	6.81E-05	3.42E-06	3.44E-05	5.86E-05	4.34E-06	1.95E-05	3.23E-05	1.07E-06
3975	740636.05	4110199.66	2.39E-04	4.35E-04	2.39E-05	3.70E-05	7.13E-05	3.58E-06	3.60E-05	6.13E-05	4.55E-06	2.04E-05	3.38E-05	1.12E-06
3976	740628.36	4110156.07	2.44E-04	4.44E-04	2.44E-05	3.78E-05	7.28E-05	3.66E-06	3.68E-05	6.27E-05	4.64E-06	2.09E-05	3.46E-05	1.15E-06
3977	740620.66	4110112.48	2.43E-04	4.42E-04	2.43E-05	3.76E-05	7.25E-05	3.64E-06	3.66E-05	6.24E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
3978	740612.96	4110068.89	2.35E-04	4.29E-04	2.36E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
3979	740605.27	4110025.3	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.78E-05	4.28E-06	1.92E-05	3.19E-05	1.06E-06
3980	740597.57	4109981.71	2.12E-04	3.87E-04	2.12E-05	3.29E-05	6.34E-05	3.18E-06	3.20E-05	5.45E-05	4.04E-06	1.82E-05	3.01E-05	9.97E-07
3981	740589.88	4109938.12	2.00E-04	3.64E-04	2.00E-05	3.10E-05	5.97E-05	3.00E-06	3.01E-05	5.14E-05	3.81E-06	1.71E-05	2.83E-05	9.39E-07
3982	740582.18	4109894.53	1.89E-04	3.45E-04	1.89E-05	2.93E-05	5.65E-05	2.84E-06	2.85E-05	4.86E-05	3.61E-06	1.62E-05	2.68E-05	8.89E-07
3983	740574.48	4109850.94	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.51E-07
3984	740566.79	4109807.35	1.76E-04	3.20E-04	1.76E-05	2.72E-05	5.25E-05	2.64E-06	2.65E-05	4.52E-05	3.35E-06	1.51E-05	2.49E-05	8.25E-07
3985	740559.09	4109763.76	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.59E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.09E-07
3986	740564.1	4109702.04	1.71E-04	3.12E-04	1.71E-05	2.65E-05	5.11E-05	2.57E-06	2.58E-05	4.40E-05	3.26E-06	1.47E-05	2.43E-05	8.04E-07
3987	740589.51	4109665.8	1.74E-04	3.16E-04	1.74E-05	2.69E-05	5.18E-05	2.60E-06	2.62E-05	4.46E-05	3.31E-06	1.49E-05	2.46E-05	8.16E-07
3988	740614.92	4109629.56	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
3989	740640.33	4109593.31	1.72E-04	3.13E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.59E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.08E-07
3990	740665.74	4109557.07	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
3991	740691.15	4109520.82	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.77E-05	2.40E-06	2.41E-05	4.11E-05	3.05E-06	1.37E-05	2.27E-05	7.51E-07
3992	740716.56	4109484.58	1.51E-04	2.75E-04	1.51E-05	2.34E-05	4.51E-05	2.27E-06	2.28E-05	3.88E-05	2.88E-06	1.29E-05	2.14E-05	7.10E-07
3993	740741.97	4109448.33	1.41E-04	2.58E-04	1.42E-05	2.19E-05	4.23E-05	2.12E-06	2.13E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.65E-07
3994	740767.38	4109412.09	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.97E-06	1.98E-05	3.38E-05	2.51E-06	1.13E-05	1.87E-05	6.18E-07
3995	740792.79	4109375.85	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.73E-07
3996	740818.2	4109339.6	1.13E-04	2.05E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.66E-06	1.60E-05	5.30E-07
3997	740843.61	4109303.36	1.05E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
3998	740869.02	4109267.11	9.76E-05	1.78E-04	9.76E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.51E-05	1.86E-06	8.36E-06	1.38E-05	4.58E-07
3999	740894.43	4109230.87	9.20E-05	1.68E-04	9.21E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.75E-06	7.89E-06	1.30E-05	4.32E-07
4000	740919.84	4109194.62	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
4001	740945.24	4109158.38	8.51E-05	1.55E-04	8.52E-06	1.32E-05	2.54E-05	1.28E-06	1.28E-05	2.19E-05	1.62E-06	7.29E-06	1.21E-05	4.00E-07
4002	740970.65	4109122.14	8.35E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.93E-07
4003	740996.06	4109085.89	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4004	741021.47	4109049.65	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4005	741046.88	4109013.4	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4006	741072.29	4108977.16	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
4007	741097.7	4108940.91	8.14E-05	1.48E-04	8.14E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.97E-06	1.15E-05	3.82E-07
4008	740736.67	4110719.93	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.16E-05	2.59E-06	2.60E-05	4.44E-05	3.29E-06	1.48E-05	2.45E-05	8.12E-07
4009	740748.79	4110738.91	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.63E-05	4.48E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
4010	740760.9	4110757.9	1.75E-04	3.19E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.49E-05	8.24E-07
4011	740773.01	4110776.89	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.27E-05	2.65E-06	2.66E-05	4.53E-05	3.36E-06	1.51E-05	2.50E-05	8.29E-07
4012	740785.13	4110795.88	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.29E-05	2.66E-06	2.67E-05	4.55E-05	3.38E-06	1.52E-05	2.51E-05	8.32E-07
4013	740809.35	4110833.85	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.35E-07
4014	740821.47	4110852.84	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.29E-05	2.66E-06	2.67E-05	4.56E-05	3.38E-06	1.52E-05	2.51E-05	8.33E-07
4015	740833.58	4110871.83	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.26E-05	2.64E-06	2.66E-05	4.53E-05	3.36E-06	1.51E-05	2.50E-05	8.28E-07
4016	740552.11	4110786.74	1.41E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.62E-05	2.68E-06	1.21E-05	1.99E-05	6.61E-07
4017	740544.42	4110743.22	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.21E-05	2.12E-06	2.13E-05	3.62E-05	2.69E-06	1.21E-05	2.00E-05	6.62E-07
4018	740536.74	4110699.69	1.42E-04	2.58E-04	1.42E-05	2.19E-05	4.23E-05	2.12E-06	2.13E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.65E-07
4019	740529.05	4110656.17	1.43E-04	2.60E-04	1.43E-05	2.21E-05	4.26E-05	2.14E-06	2.15E-05	3.67E-05	2.72E-06	1.22E-05	2.02E-05	6.70E-07
4020	740521.37	4110612.64	1.44E-04	2.63E-04	1.44E-05	2.24E-05	4.31E-05	2.16E-06	2.17E-05	3.71E-05	2.75E-06	1.24E-05	2.04E-05	6.77E-07
4021	740513.68	4110569.11	1.46E-04	2.66E-04	1.46E-05	2.26E-05	4.36E-05	2.19E-06	2.20E-05	3.75E-05	2.78E-06	1.25E-05	2.07E-05	6.86E-07
4022	740506	4110525.59	1.48E-04	2.70E-04	1.48E-05	2.30E-05	4.42E-05	2.22E-06	2.23E-05	3.81E-05	2.82E-06	1.27E-05	2.10E-05	6.96E-07
4023	740498.31	4110482.06	1.51E-04	2.75E-04	1.51E-05	2.34E-05	4.50E-05	2.26E-06	2.27E-05	3.87E-05	2.87E-06	1.29E-05	2.14E-05	7.08E-07
4024	740490.63	4110438.54	1.55E-04	2.82E-04	1.55E-05	2.40E-05	4.62E-05	2.32E-06	2.33E-05	3.98E-05	2.95E-06	1.33E-05	2.19E-05	7.27E-07
4025	740482.94	4110395.01	1.61E-04	2.93E-04	1.61E-05	2.50E-05	4.81E-05	2.42E-06	2.43E-05	4.14E-05	3.07E-06	1.38E-05	2.28E-05	7.56E-07
4026	740475.26	4110351.49	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.41E-05	7.98E-07
4027	740467.57	4110307.96	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.38E-05	2.70E-06	2.72E-05	4.63E-05	3.43E-06	1.54E-05	2.55E-05	8.47E-07
4028	740459.89	4110264.44	1.90E-04	3.47E-04	1.91E-05	2.95E-05	5.69E-05	2.86E-06	2.87E-05	4.90E-05	3.63E-06	1.63E-05	2.70E-05	8.95E-07

4029	740452.2	4110220.91	1.98E-04	3.61E-04	1.98E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.10E-05	3.78E-06	1.70E-05	2.81E-05	9.32E-07
4030	740444.52	4110177.39	2.02E-04	3.68E-04	2.02E-05	3.14E-05	6.04E-05	3.03E-06	3.05E-05	5.20E-05	3.85E-06	1.73E-05	2.87E-05	9.50E-07
4031	740436.83	4110133.86	2.01E-04	3.67E-04	2.02E-05	3.12E-05	6.02E-05	3.02E-06	3.04E-05	5.18E-05	3.84E-06	1.73E-05	2.86E-05	9.47E-07
4032	740429.15	4110090.34	1.97E-04	3.58E-04	1.97E-05	3.05E-05	5.87E-05	2.95E-06	2.96E-05	5.05E-05	3.75E-06	1.68E-05	2.79E-05	9.24E-07
4033	740421.46	4110046.81	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
4034	740413.78	4110003.29	1.79E-04	3.27E-04	1.80E-05	2.78E-05	5.36E-05	2.69E-06	2.71E-05	4.61E-05	3.42E-06	1.54E-05	2.54E-05	8.43E-07
4035	740406.09	4109959.76	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.41E-05	7.98E-07
4036	740398.41	4109916.23	1.61E-04	2.93E-04	1.61E-05	2.49E-05	4.80E-05	2.41E-06	2.42E-05	4.13E-05	3.06E-06	1.38E-05	2.28E-05	7.55E-07
4037	740390.72	4109872.71	1.53E-04	2.79E-04	1.53E-05	2.37E-05	4.57E-05	2.30E-06	2.31E-05	3.93E-05	2.92E-06	1.31E-05	2.17E-05	7.19E-07
4038	740383.04	4109829.18	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.92E-07
4039	740375.35	4109785.66	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.69E-05	2.73E-06	1.23E-05	2.03E-05	6.74E-07
4040	740367.67	4109742.13	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.21E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.63E-07
4041	740359.99	4109698.61	1.40E-04	2.54E-04	1.40E-05	2.17E-05	4.17E-05	2.10E-06	2.11E-05	3.59E-05	2.66E-06	1.20E-05	1.98E-05	6.56E-07
4042	740368.83	4109658.75	1.41E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.61E-05	2.68E-06	1.20E-05	1.99E-05	6.61E-07
4043	740394.2	4109622.56	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.72E-06	1.23E-05	2.03E-05	6.72E-07
4044	740419.57	4109586.37	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.30E-05	2.16E-06	2.17E-05	3.70E-05	2.74E-06	1.23E-05	2.04E-05	6.77E-07
4045	740444.95	4109550.18	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.72E-07
4046	740470.32	4109513.99	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.60E-05	2.67E-06	1.20E-05	1.99E-05	6.58E-07
4047	740495.69	4109477.8	1.35E-04	2.46E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.47E-05	2.57E-06	1.16E-05	1.92E-05	6.35E-07
4048	740521.06	4109441.61	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.93E-06	1.94E-05	3.31E-05	2.45E-06	1.10E-05	1.83E-05	6.05E-07
4049	740546.43	4109405.41	1.22E-04	2.21E-04	1.22E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.32E-06	1.04E-05	1.72E-05	5.71E-07
4050	740571.81	4109369.22	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.94E-05	2.18E-06	9.78E-06	1.62E-05	5.37E-07
4051	740597.18	4109333.03	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.19E-05	1.60E-06	1.61E-05	2.75E-05	2.04E-06	9.15E-06	1.51E-05	5.02E-07
4052	740622.55	4109296.84	9.99E-05	1.82E-04	9.99E-06	1.55E-05	2.98E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.69E-07
4053	740647.92	4109260.65	9.32E-05	1.70E-04	9.33E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	7.99E-06	1.32E-05	4.38E-07
4054	740673.29	4109224.46	8.71E-05	1.59E-04	8.71E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.46E-06	1.23E-05	4.09E-07
4055	740698.67	4109188.27	8.15E-05	1.49E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.16E-05	3.83E-07
4056	740724.04	4109152.08	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
4057	740749.41	4109115.89	7.28E-05	1.33E-04	7.28E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.24E-06	1.03E-05	3.42E-07
4058	740774.78	4109079.7	6.99E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.28E-07
4059	740800.15	4109043.51	6.80E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
4060	740825.53	4109007.32	6.71E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.75E-06	9.51E-06	3.15E-07
4061	740850.9	4108971.13	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
4062	740876.27	4108934.93	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.77E-06	9.54E-06	3.16E-07
4063	740901.64	4108898.74	6.78E-05	1.23E-04	6.78E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.61E-06	3.18E-07
4064	740927.02	4108862.55	6.80E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
4065	740952.39	4108826.36	6.78E-05	1.24E-04	6.79E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.62E-06	3.19E-07
4066	740977.76	4108790.17	6.70E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
4067	740568.06	4110827.49	1.41E-04	2.58E-04	1.42E-05	2.19E-05	4.23E-05	2.12E-06	2.13E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.65E-07
4068	740580.18	4110846.48	1.42E-04	2.60E-04	1.42E-05	2.21E-05	4.25E-05	2.14E-06	2.15E-05	3.66E-05	2.71E-06	1.22E-05	2.02E-05	6.69E-07
4069	740592.29	4110865.47	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.73E-07
4070	740604.4	4110884.46	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.30E-05	2.16E-06	2.17E-05	3.70E-05	2.74E-06	1.23E-05	2.04E-05	6.77E-07
4071	740616.52	4110903.44	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
4072	740628.63	4110922.43	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.81E-07
4073	740640.74	4110941.42	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.73E-05	2.77E-06	1.24E-05	2.06E-05	6.82E-07
4074	740652.86	4110960.41	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.81E-07
4075	740664.97	4110979.39	1.44E-04	2.63E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.71E-05	2.75E-06	1.24E-05	2.05E-05	6.79E-07
4076	740214.83	4111001.58	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.67E-06	1.43E-05	4.76E-07
4077	740207.05	4110957.48	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.77E-07
4078	740199.26	4110913.37	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.94E-06	8.70E-06	1.44E-05	4.77E-07
4079	740191.47	4110869.27	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
4080	740183.69	4110825.16	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.06E-05	1.54E-06	1.54E-05	2.63E-05	1.95E-06	8.77E-06	1.45E-05	4.81E-07
4081	740179.79	4110803.11	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.07E-05	1.54E-06	1.55E-05	2.64E-05	1.96E-06	8.80E-06	1.46E-05	4.83E-07
4082	740172	4110759	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.56E-05	2.66E-05	1.98E-06	8.88E-06	1.47E-05	4.87E-07
4083	740164.22	4110714.9	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.13E-05	1.57E-06	1.58E-05	2.69E-05	2.00E-06	8.98E-06	1.49E-05	4.93E-07
4084	740160.32	4110692.84	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.03E-06	1.49E-05	4.95E-07
4085	740152.54	4110648.74	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
4086	740144.75	4110604.63	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.22E-05	1.62E-06	1.63E-05	2.77E-05	2.05E-06	9.23E-06	1.53E-05	5.06E-07
4087	740140.85	4110582.58	1.09E-04	1.98E-04	1.09E-05	1.68E-05	3.24E-05	1.63E-06	1.64E-05	2.79E-05	2.07E-06	9.30E-06	1.54E-05	5.10E-07
4088	740133.07	4110538.47	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.84E-05	2.11E-06	9.48E-06	1.57E-05	5.20E-07
4089	740125.28	4110494.37	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.93E-05	2.17E-06	9.78E-06	1.62E-05	5.36E-07
4090	740117.49	4110450.26	1.19E-04	2.17E-04	1.19E-05	1.85E-05	3.56E-05	1.79E-06	1.80E-05	3.06E-05	2.27E-06	1.02E-05	1.69E-05	5.60E-07
4091	740109.71	4110406.16	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.23E-05	2.40E-06	1.08E-05	1.78E-05	5.91E-07
4092	740105.81	4110384.1	1.29E-04	2.36E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
4093	740098.02	4110340	1.36E-04	2.48E-04	1.36E-05	2.11E-05	4.07E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.93E-05	6.41E-07
4094	740090.24	4110295.89	1.42E-04	2.60E-04	1.43E-05	2.21E-05	4.26E-05	2.14E-06	2.15E-05	3.66E-05	2.71E-06	1.22E-05	2.02E-05	6.69E-07
4095	740086.34	4110273.84	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
4096	740078.56	4110229.73	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.22E-06	2.23E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.94E-07
4097	740070.77	4110185.63	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.22E-06	2.23E-05	3.80E-05	2.81E-06	1.27E-05	2.09E-05	6.94E-07
4098	740066.87	4110163.58	1.47E-04	2.67E-04	1.47E-05	2.28E-05	4.39E-05	2.20E-06	2.21E-05	3.77E-05	2.80E-06	1.26E-05	2.08E-05	6.90E-07
4099	740059.09	4110119.47	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.69E-05	2.73E-06	1.23E-05	2.03E-05	6.74E-07
4100	740051.3	4110075.36	1.38E-04	2.52E-04	1.39E-05	2.15E-05	4.14E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.51E-07

4101	740043.51	4110031.26	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.96E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.23E-07
4102	740035.73	4109987.15	1.27E-04	2.31E-04	1.27E-05	1.96E-05	3.78E-05	1.90E-06	1.91E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.94E-07
4103	740031.83	4109965.1	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.69E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.80E-07
4104	740024.04	4109920.99	1.17E-04	2.14E-04	1.18E-05	1.82E-05	3.51E-05	1.76E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.67E-05	5.52E-07
4105	740016.26	4109876.89	1.12E-04	2.04E-04	1.12E-05	1.74E-05	3.35E-05	1.68E-06	1.69E-05	2.88E-05	2.14E-06	9.61E-06	1.59E-05	5.27E-07
4106	740012.36	4109854.84	1.10E-04	2.00E-04	1.10E-05	1.70E-05	3.28E-05	1.65E-06	1.66E-05	2.82E-05	2.09E-06	9.41E-06	1.56E-05	5.16E-07
4107	740004.58	4109810.73	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.07E-06	1.50E-05	4.97E-07
4108	739996.79	4109766.62	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.55E-05	2.65E-05	1.96E-06	8.83E-06	1.46E-05	4.84E-07
4109	739989	4109722.52	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.68E-06	1.44E-05	4.76E-07
4110	739981.21	4109678.41	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.58E-05	1.92E-06	8.61E-06	1.43E-05	4.72E-07
4111	739977.32	4109656.36	1.00E-04	1.83E-04	1.00E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.60E-06	1.42E-05	4.72E-07
4112	739969.53	4109612.25	1.00E-04	1.83E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.58E-05	1.91E-06	8.58E-06	1.42E-05	4.71E-07
4113	739978.49	4109571.86	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.68E-06	1.44E-05	4.76E-07
4114	740004.2	4109535.19	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
4115	740017.06	4109516.85	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4116	740042.77	4109480.18	1.04E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.95E-06	1.48E-05	4.91E-07
4117	740055.63	4109461.84	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
4118	740081.34	4109425.17	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
4119	740094.19	4109406.83	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
4120	740119.9	4109370.16	9.91E-05	1.81E-04	9.92E-06	1.54E-05	2.96E-05	1.49E-06	1.49E-05	2.55E-05	1.89E-06	8.49E-06	1.41E-05	4.66E-07
4121	740132.76	4109351.82	9.73E-05	1.77E-04	9.73E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.50E-05	1.85E-06	8.33E-06	1.38E-05	4.57E-07
4122	740158.47	4109315.15	9.30E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.97E-06	1.32E-05	4.37E-07
4123	740171.32	4109296.81	9.07E-05	1.65E-04	9.07E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.77E-06	1.29E-05	4.26E-07
4124	740197.03	4109260.14	8.59E-05	1.57E-04	8.59E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
4125	740209.89	4109241.8	8.35E-05	1.52E-04	8.35E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.92E-07
4126	740235.6	4109205.13	7.89E-05	1.44E-04	7.90E-06	1.22E-05	2.36E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.76E-06	1.12E-05	3.71E-07
4127	740248.45	4109186.79	7.67E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.61E-07
4128	740274.16	4109150.12	7.26E-05	1.32E-04	7.26E-06	1.13E-05	2.17E-05	1.09E-06	1.09E-05	1.87E-05	1.38E-06	6.22E-06	1.03E-05	3.41E-07
4129	740299.87	4109113.45	6.87E-05	1.25E-04	6.88E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.74E-06	3.23E-07
4130	740312.73	4109095.11	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
4131	740338.44	4109058.44	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.50E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4132	740351.3	4109040.1	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.73E-06	2.89E-07
4133	740377.01	4109003.43	5.82E-05	1.06E-04	5.82E-06	9.02E-06	1.74E-05	8.73E-07	8.77E-06	1.50E-05	1.11E-06	4.99E-06	8.25E-06	2.73E-07
4134	740389.86	4108985.09	5.66E-05	1.03E-04	5.66E-06	8.77E-06	1.69E-05	8.49E-07	8.53E-06	1.45E-05	1.08E-06	4.85E-06	8.02E-06	2.66E-07
4135	740415.57	4108948.42	5.35E-05	9.75E-05	5.36E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.59E-06	7.59E-06	2.52E-07
4136	740428.43	4108930.08	5.21E-05	9.50E-05	5.22E-06	8.09E-06	1.56E-05	7.83E-07	7.86E-06	1.34E-05	9.94E-07	4.47E-06	7.39E-06	2.45E-07
4137	740454.14	4108893.41	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
4138	740466.99	4108875.07	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
4139	740492.7	4108838.4	4.74E-05	8.64E-05	4.75E-06	7.36E-06	1.42E-05	7.12E-07	7.15E-06	1.22E-05	9.04E-07	4.06E-06	6.72E-06	2.23E-07
4140	740505.56	4108820.06	4.70E-05	8.56E-05	4.70E-06	7.29E-06	1.40E-05	7.05E-07	7.09E-06	1.21E-05	8.95E-07	4.03E-06	6.66E-06	2.21E-07
4141	740531.27	4108783.39	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
4142	740544.12	4108765.05	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
4143	740569.83	4108728.38	4.69E-05	8.54E-05	4.69E-06	7.27E-06	1.40E-05	7.03E-07	7.07E-06	1.20E-05	8.93E-07	4.01E-06	6.64E-06	2.20E-07
4144	740582.69	4108710.04	4.71E-05	8.58E-05	4.71E-06	7.31E-06	1.41E-05	7.07E-07	7.10E-06	1.21E-05	8.98E-07	4.04E-06	6.68E-06	2.21E-07
4145	740608.4	4108673.37	4.77E-05	8.70E-05	4.78E-06	7.40E-06	1.43E-05	7.16E-07	7.20E-06	1.23E-05	9.10E-07	4.09E-06	6.77E-06	2.24E-07
4146	740634.11	4108636.7	4.83E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.26E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.85E-06	2.27E-07
4147	740646.97	4108618.36	4.86E-05	8.86E-05	4.86E-06	7.54E-06	1.45E-05	7.30E-07	7.33E-06	1.25E-05	9.27E-07	4.17E-06	6.89E-06	2.28E-07
4148	740672.68	4108581.69	4.90E-05	8.92E-05	4.90E-06	7.59E-06	1.46E-05	7.35E-07	7.38E-06	1.26E-05	9.33E-07	4.19E-06	6.94E-06	2.30E-07
4149	740685.53	4108563.35	4.90E-05	8.93E-05	4.90E-06	7.60E-06	1.46E-05	7.35E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
4150	740711.24	4108526.68	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.36E-06	1.26E-05	9.31E-07	4.18E-06	6.92E-06	2.29E-07
4151	740724.1	4108508.34	4.86E-05	8.86E-05	4.86E-06	7.54E-06	1.45E-05	7.29E-07	7.33E-06	1.25E-05	9.26E-07	4.16E-06	6.89E-06	2.28E-07
4152	740749.81	4108471.67	4.78E-05	8.72E-05	4.79E-06	7.42E-06	1.43E-05	7.18E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
4153	740762.66	4108453.33	4.73E-05	8.62E-05	4.73E-06	7.34E-06	1.41E-05	7.10E-07	7.14E-06	1.22E-05	9.02E-07	4.05E-06	6.71E-06	2.22E-07
4154	740788.37	4108416.66	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
4155	740218.73	4111023.64	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
4156	740242.95	4111061.61	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.75E-06	1.45E-05	4.80E-07
4157	740255.07	4111080.6	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.06E-05	1.54E-06	1.55E-05	2.64E-05	1.95E-06	8.79E-06	1.45E-05	4.82E-07
4158	740267.18	4111099.59	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.55E-05	2.65E-05	1.96E-06	8.82E-06	1.46E-05	4.84E-07
4159	740279.29	4111118.58	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
4160	740291.41	4111137.56	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.56E-05	2.66E-05	1.98E-06	8.88E-06	1.47E-05	4.87E-07
4161	740303.52	4111156.55	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4162	740315.63	4111175.54	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4163	740327.75	4111194.53	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4164	739877.63	4111216.8	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
4165	739869.87	4111172.87	7.77E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
4166	739862.12	4111128.94	7.79E-05	1.42E-04	7.79E-06	1.21E-05	2.33E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.67E-06	1.10E-05	3.66E-07
4167	739854.36	4111085.02	7.79E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.66E-07
4168	739846.6	4111041.09	7.80E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
4169	739838.85	4110997.16	7.83E-05	1.43E-04	7.83E-06	1.21E-05	2.34E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.71E-06	1.11E-05	3.68E-07
4170	739831.09	4110953.23	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
4171	739823.34	4110909.3	7.93E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.12E-05	3.73E-07
4172	739815.58	4110865.37	8.01E-05	1.46E-04	8.02E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07

4173	739807.82	4110821.44	8.10E-05	1.48E-04	8.10E-06	1.26E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.80E-07
4174	739800.07	4110777.51	8.17E-05	1.49E-04	8.17E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.00E-06	1.16E-05	3.84E-07
4175	739792.31	4110733.58	8.23E-05	1.50E-04	8.23E-06	1.28E-05	2.46E-05	1.23E-06	1.24E-05	2.12E-05	1.57E-06	7.05E-06	1.17E-05	3.87E-07
4176	739784.55	4110689.65	8.30E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.25E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4177	739776.8	4110645.72	8.41E-05	1.53E-04	8.42E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
4178	739769.04	4110601.79	8.60E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.37E-06	1.22E-05	4.04E-07
4179	739761.29	4110557.86	8.89E-05	1.62E-04	8.90E-06	1.38E-05	2.66E-05	1.33E-06	1.34E-05	2.29E-05	1.69E-06	7.62E-06	1.26E-05	4.18E-07
4180	739753.53	4110513.93	9.28E-05	1.69E-04	9.28E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.95E-06	1.32E-05	4.36E-07
4181	739745.77	4110470	9.74E-05	1.78E-04	9.75E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.50E-05	1.86E-06	8.35E-06	1.38E-05	4.58E-07
4182	739738.02	4110426.07	1.02E-04	1.87E-04	1.03E-05	1.59E-05	3.06E-05	1.54E-06	1.55E-05	2.63E-05	1.95E-06	8.78E-06	1.45E-05	4.82E-07
4183	739730.26	4110382.14	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.76E-05	2.04E-06	9.19E-06	1.52E-05	5.04E-07
4184	739722.5	4110338.22	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.67E-05	2.85E-05	2.12E-06	9.52E-06	1.57E-05	5.22E-07
4185	739714.75	4110294.29	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.92E-05	2.16E-06	9.73E-06	1.61E-05	5.34E-07
4186	739706.99	4110250.36	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.42E-05	1.72E-06	1.72E-05	2.94E-05	2.18E-06	9.80E-06	1.62E-05	5.38E-07
4187	739699.24	4110206.43	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.92E-05	2.16E-06	9.73E-06	1.61E-05	5.34E-07
4188	739691.48	4110162.5	1.11E-04	2.03E-04	1.11E-05	1.73E-05	3.33E-05	1.67E-06	1.68E-05	2.86E-05	2.12E-06	9.54E-06	1.58E-05	5.23E-07
4189	739683.72	4110118.57	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.27E-06	1.53E-05	5.09E-07
4190	739675.97	4110074.64	1.04E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.95E-06	1.48E-05	4.91E-07
4191	739668.21	4110030.71	1.00E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.61E-06	1.42E-05	4.72E-07
4192	739660.45	4109986.78	9.63E-05	1.75E-04	9.63E-06	1.49E-05	2.88E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.25E-06	1.37E-05	4.52E-07
4193	739652.7	4109942.85	9.22E-05	1.68E-04	9.23E-06	1.43E-05	2.76E-05	1.38E-06	1.39E-05	2.37E-05	1.76E-06	7.90E-06	1.31E-05	4.33E-07
4194	739644.94	4109898.92	8.84E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
4195	739637.19	4109854.99	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
4196	739629.43	4109811.06	8.19E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
4197	739621.67	4109767.13	7.95E-05	1.45E-04	7.95E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.81E-06	1.13E-05	3.74E-07
4198	739613.92	4109723.2	7.78E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
4199	739606.16	4109679.27	7.66E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.56E-06	1.09E-05	3.60E-07
4200	739598.4	4109635.35	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
4201	739590.65	4109591.42	7.60E-05	1.39E-04	7.60E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.95E-05	1.45E-06	6.51E-06	1.08E-05	3.57E-07
4202	739582.89	4109547.49	7.62E-05	1.39E-04	7.62E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.53E-06	1.08E-05	3.58E-07
4203	739587.94	4109485.29	7.73E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.16E-05	1.99E-05	1.47E-06	6.62E-06	1.10E-05	3.63E-07
4204	739613.55	4109448.77	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
4205	739639.16	4109412.24	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
4206	739664.76	4109375.71	8.01E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.86E-06	1.14E-05	3.76E-07
4207	739690.37	4109339.19	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
4208	739715.98	4109302.66	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.70E-07
4209	739741.59	4109266.13	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
4210	739754.39	4109247.87	7.56E-05	1.38E-04	7.57E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.94E-05	1.44E-06	6.48E-06	1.07E-05	3.55E-07
4211	739780	4109211.34	7.29E-05	1.33E-04	7.29E-06	1.13E-05	2.18E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.25E-06	1.03E-05	3.43E-07
4212	739805.6	4109174.82	6.98E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.98E-06	9.89E-06	3.28E-07
4213	739831.21	4109138.29	6.65E-05	1.21E-04	6.65E-06	1.03E-05	1.99E-05	9.98E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
4214	739856.82	4109101.76	6.32E-05	1.15E-04	6.32E-06	9.80E-06	1.89E-05	9.49E-07	9.53E-06	1.62E-05	1.20E-06	5.42E-06	8.96E-06	2.97E-07
4215	739882.43	4109065.24	6.01E-05	1.10E-04	6.01E-06	9.32E-06	1.80E-05	9.02E-07	9.06E-06	1.54E-05	1.15E-06	5.15E-06	8.52E-06	2.82E-07
4216	739908.04	4109028.71	5.72E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
4217	739933.64	4108992.18	5.46E-05	9.96E-05	5.47E-06	8.47E-06	1.63E-05	8.20E-07	8.24E-06	1.40E-05	1.04E-06	4.68E-06	7.75E-06	2.57E-07
4218	739959.25	4108955.66	5.23E-05	9.53E-05	5.23E-06	8.11E-06	1.56E-05	7.85E-07	7.89E-06	1.34E-05	9.97E-07	4.48E-06	7.42E-06	2.46E-07
4219	739984.86	4108919.13	5.01E-05	9.13E-05	5.01E-06	7.77E-06	1.50E-05	7.52E-07	7.56E-06	1.29E-05	9.55E-07	4.29E-06	7.11E-06	2.36E-07
4220	739997.66	4108900.87	4.91E-05	8.94E-05	4.91E-06	7.61E-06	1.47E-05	7.36E-07	7.40E-06	1.26E-05	9.35E-07	4.20E-06	6.96E-06	2.31E-07
4221	740023.27	4108864.34	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.02E-06	6.66E-06	2.21E-07
4222	740048.88	4108827.81	4.48E-05	8.17E-05	4.49E-06	6.95E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.54E-07	3.84E-06	6.36E-06	2.11E-07
4223	740074.49	4108791.29	4.27E-05	7.78E-05	4.27E-06	6.62E-06	1.28E-05	6.41E-07	6.44E-06	1.10E-05	8.13E-07	3.66E-06	6.05E-06	2.01E-07
4224	740100.09	4108754.76	4.06E-05	7.40E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.74E-07	3.48E-06	5.76E-06	1.91E-07
4225	740125.7	4108718.23	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.80E-07	5.83E-06	9.94E-06	7.37E-07	3.31E-06	5.48E-06	1.82E-07
4226	740151.31	4108681.71	3.70E-05	6.75E-05	3.70E-06	5.74E-06	1.11E-05	5.56E-07	5.58E-06	9.52E-06	7.05E-07	3.17E-06	5.25E-06	1.74E-07
4227	740176.92	4108645.18	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.40E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
4228	740202.52	4108608.65	3.50E-05	6.37E-05	3.50E-06	5.42E-06	1.05E-05	5.25E-07	5.27E-06	8.99E-06	6.67E-07	3.00E-06	4.96E-06	1.64E-07
4229	740228.13	4108572.13	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.20E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
4230	740240.93	4108553.86	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.22E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
4231	740266.54	4108517.34	3.48E-05	6.34E-05	3.48E-06	5.39E-06	1.04E-05	5.22E-07	5.24E-06	8.94E-06	6.63E-07	2.98E-06	4.93E-06	1.63E-07
4232	740292.15	4108480.81	3.52E-05	6.41E-05	3.52E-06	5.46E-06	1.05E-05	5.28E-07	5.31E-06	9.05E-06	6.71E-07	3.02E-06	4.99E-06	1.65E-07
4233	740317.76	4108444.28	3.57E-05	6.51E-05	3.58E-06	5.54E-06	1.07E-05	5.36E-07	5.39E-06	9.19E-06	6.81E-07	3.06E-06	5.07E-06	1.68E-07
4234	740343.37	4108407.76	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
4235	740368.97	4108371.23	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.53E-07	5.55E-06	9.46E-06	7.02E-07	3.15E-06	5.22E-06	1.73E-07
4236	740394.58	4108334.7	3.72E-05	6.77E-05	3.72E-06	5.76E-06	1.11E-05	5.58E-07	5.61E-06	9.56E-06	7.08E-07	3.19E-06	5.27E-06	1.75E-07
4237	740420.19	4108298.18	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.12E-07	3.20E-06	5.30E-06	1.76E-07
4238	740445.8	4108261.65	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.12E-07	3.20E-06	5.30E-06	1.76E-07
4239	740471.4	4108225.12	3.72E-05	6.77E-05	3.72E-06	5.76E-06	1.11E-05	5.58E-07	5.60E-06	9.55E-06	7.08E-07	3.18E-06	5.27E-06	1.75E-07
4240	740497.01	4108188.6	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.54E-06	9.45E-06	7.00E-07	3.15E-06	5.21E-06	1.73E-07
4241	740522.62	4108152.07	3.61E-05	6.58E-05	3.62E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.12E-06	1.70E-07
4242	740548.23	4108115.54	3.53E-05	6.44E-05	3.53E-06	5.48E-06	1.06E-05	5.30E-07	5.33E-06	9.08E-06	6.73E-07	3.03E-06	5.01E-06	1.66E-07
4243	739893.62	4111257.76	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
4244	739905.73	4111276.74	7.80E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.66E-07

4245	739917.85	4111295.73	7.82E-05	1.43E-04	7.83E-06	1.21E-05	2.34E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.68E-07
4246	739929.96	4111314.72	7.85E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.18E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
4247	739942.07	4111333.71	7.88E-05	1.44E-04	7.88E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.75E-06	1.12E-05	3.70E-07
4248	739954.19	4111352.69	7.90E-05	1.44E-04	7.91E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.77E-06	1.12E-05	3.71E-07
4249	739966.3	4111371.68	7.92E-05	1.44E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.19E-05	2.04E-05	1.51E-06	6.79E-06	1.12E-05	3.72E-07
4250	739978.41	4111390.67	7.93E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.12E-05	3.73E-07
4251	739990.53	4111409.66	7.93E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
4252	739540.38	4111431.76	6.19E-05	1.13E-04	6.20E-06	9.61E-06	1.85E-05	9.30E-07	9.34E-06	1.59E-05	1.18E-06	5.31E-06	8.78E-06	2.91E-07
4253	739536.47	4111409.62	6.21E-05	1.13E-04	6.21E-06	9.62E-06	1.85E-05	9.31E-07	9.36E-06	1.60E-05	1.18E-06	5.32E-06	8.80E-06	2.92E-07
4254	739528.65	4111365.34	6.23E-05	1.13E-04	6.23E-06	9.66E-06	1.86E-05	9.34E-07	9.39E-06	1.60E-05	1.19E-06	5.34E-06	8.83E-06	2.93E-07
4255	739520.83	4111321.05	6.24E-05	1.14E-04	6.24E-06	9.68E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
4256	739513.01	4111276.77	6.25E-05	1.14E-04	6.25E-06	9.69E-06	1.87E-05	9.37E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.86E-06	2.94E-07
4257	739505.19	4111232.49	6.25E-05	1.14E-04	6.25E-06	9.69E-06	1.87E-05	9.38E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.86E-06	2.94E-07
4258	739501.28	4111210.35	6.25E-05	1.14E-04	6.25E-06	9.69E-06	1.87E-05	9.38E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.86E-06	2.94E-07
4259	739493.46	4111166.06	6.26E-05	1.14E-04	6.26E-06	9.70E-06	1.87E-05	9.39E-07	9.43E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
4260	739485.65	4111121.78	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
4261	739477.83	4111077.5	6.32E-05	1.15E-04	6.32E-06	9.80E-06	1.89E-05	9.49E-07	9.53E-06	1.62E-05	1.20E-06	5.42E-06	8.96E-06	2.97E-07
4262	739473.92	4111055.36	6.35E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.53E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	9.00E-06	2.98E-07
4263	739466.1	4111011.08	6.41E-05	1.17E-04	6.41E-06	9.93E-06	1.91E-05	9.61E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
4264	739458.28	4110966.79	6.47E-05	1.18E-04	6.47E-06	1.00E-05	1.93E-05	9.71E-07	9.75E-06	1.66E-05	1.23E-06	5.54E-06	9.17E-06	3.04E-07
4265	739450.46	4110922.51	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.79E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
4266	739446.55	4110900.37	6.54E-05	1.19E-04	6.55E-06	1.01E-05	1.95E-05	9.82E-07	9.87E-06	1.68E-05	1.25E-06	5.61E-06	9.28E-06	3.07E-07
4267	739438.74	4110856.09	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.97E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
4268	739430.92	4110811.81	6.61E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.97E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
4269	739423.1	4110767.52	6.67E-05	1.21E-04	6.67E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.71E-05	1.27E-06	5.71E-06	9.45E-06	3.13E-07
4270	739415.28	4110723.24	6.76E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.59E-06	3.18E-07
4271	739411.37	4110701.1	6.83E-05	1.24E-04	6.83E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.76E-05	1.30E-06	5.85E-06	9.68E-06	3.21E-07
4272	739403.55	4110656.82	7.01E-05	1.28E-04	7.02E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.80E-05	1.34E-06	6.01E-06	9.94E-06	3.30E-07
4273	739395.73	4110612.54	7.27E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.23E-06	1.03E-05	3.42E-07
4274	739387.91	4110568.25	7.59E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.45E-06	6.50E-06	1.08E-05	3.56E-07
4275	739384.01	4110546.11	7.76E-05	1.41E-04	7.77E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
4276	739376.19	4110501.83	8.13E-05	1.48E-04	8.13E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.97E-06	1.15E-05	3.82E-07
4277	739368.37	4110457.55	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
4278	739360.55	4110413.27	8.81E-05	1.61E-04	8.81E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
4279	739356.64	4110391.12	8.94E-05	1.63E-04	8.94E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.66E-06	1.27E-05	4.20E-07
4280	739348.82	4110346.84	9.12E-05	1.66E-04	9.13E-06	1.41E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.82E-06	1.29E-05	4.29E-07
4281	739341	4110302.56	9.20E-05	1.68E-04	9.20E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.88E-06	1.30E-05	4.32E-07
4282	739333.18	4110258.28	9.16E-05	1.67E-04	9.16E-06	1.42E-05	2.74E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.85E-06	1.30E-05	4.30E-07
4283	739325.37	4110213.99	9.02E-05	1.64E-04	9.03E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.73E-06	1.28E-05	4.24E-07
4284	739321.46	4110191.85	8.92E-05	1.63E-04	8.93E-06	1.38E-05	2.66E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.64E-06	1.26E-05	4.19E-07
4285	739313.64	4110147.57	8.68E-05	1.58E-04	8.69E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
4286	739305.82	4110103.29	8.41E-05	1.53E-04	8.42E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
4287	739298	4110059.01	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.82E-07
4288	739294.09	4110036.87	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
4289	739286.27	4109992.58	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
4290	739278.46	4109948.3	7.39E-05	1.35E-04	7.39E-06	1.15E-05	2.21E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.33E-06	1.05E-05	3.47E-07
4291	739270.64	4109904.02	7.11E-05	1.30E-04	7.12E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.09E-06	1.01E-05	3.34E-07
4292	739262.82	4109859.74	6.85E-05	1.25E-04	6.86E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.87E-06	9.72E-06	3.22E-07
4293	739258.91	4109837.6	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.77E-06	9.54E-06	3.16E-07
4294	739251.09	4109793.31	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
4295	739243.27	4109749.03	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4296	739235.45	4109704.75	6.18E-05	1.13E-04	6.19E-06	9.59E-06	1.85E-05	9.28E-07	9.32E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
4297	739231.54	4109682.61	6.13E-05	1.12E-04	6.13E-06	9.50E-06	1.83E-05	9.20E-07	9.24E-06	1.58E-05	1.17E-06	5.25E-06	8.69E-06	2.88E-07
4298	739223.73	4109638.32	6.05E-05	1.10E-04	6.05E-06	9.38E-06	1.81E-05	9.08E-07	9.12E-06	1.56E-05	1.15E-06	5.18E-06	8.58E-06	2.84E-07
4299	739215.91	4109594.04	6.01E-05	1.10E-04	6.02E-06	9.32E-06	1.80E-05	9.02E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
4300	739208.09	4109549.76	6.01E-05	1.09E-04	6.01E-06	9.32E-06	1.79E-05	9.02E-07	9.06E-06	1.54E-05	1.14E-06	5.15E-06	8.52E-06	2.82E-07
4301	739204.18	4109527.62	6.01E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
4302	739196.36	4109483.34	6.04E-05	1.10E-04	6.04E-06	9.37E-06	1.80E-05	9.07E-07	9.11E-06	1.55E-05	1.15E-06	5.18E-06	8.56E-06	2.84E-07
4303	739188.54	4109439.05	6.07E-05	1.11E-04	6.08E-06	9.42E-06	1.81E-05	9.11E-07	9.16E-06	1.56E-05	1.16E-06	5.20E-06	8.61E-06	2.85E-07
4304	739197.54	4109398.5	6.15E-05	1.12E-04	6.15E-06	9.54E-06	1.84E-05	9.23E-07	9.27E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
4305	739210.45	4109380.09	6.21E-05	1.13E-04	6.21E-06	9.63E-06	1.85E-05	9.32E-07	9.36E-06	1.60E-05	1.18E-06	5.32E-06	8.80E-06	2.92E-07
4306	739236.26	4109343.27	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.40E-06	8.94E-06	2.96E-07
4307	739249.17	4109324.86	6.34E-05	1.16E-04	6.35E-06	9.84E-06	1.89E-05	9.52E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.99E-06	2.98E-07
4308	739274.98	4109288.04	6.38E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
4309	739300.79	4109251.22	6.38E-05	1.16E-04	6.38E-06	9.89E-06	1.91E-05	9.57E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.04E-06	3.00E-07
4310	739313.7	4109232.81	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.01E-06	2.99E-07
4311	739339.51	4109195.99	6.28E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.42E-07	9.46E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
4312	739352.42	4109177.58	6.22E-05	1.13E-04	6.22E-06	9.64E-06	1.86E-05	9.33E-07	9.37E-06	1.60E-05	1.18E-06	5.33E-06	8.81E-06	2.92E-07
4313	739378.23	4109140.76	6.07E-05	1.11E-04	6.07E-06	9.41E-06	1.81E-05	9.11E-07	9.15E-06	1.56E-05	1.16E-06	5.20E-06	8.60E-06	2.85E-07
4314	739391.14	4109122.35	5.98E-05	1.09E-04	5.98E-06	9.27E-06	1.79E-05	8.97E-07	9.01E-06	1.54E-05	1.14E-06	5.12E-06	8.48E-06	2.81E-07
4315	739416.95	4109085.53	5.78E-05	1.05E-04	5.78E-06	8.96E-06	1.73E-05	8.67E-07	8.71E-06	1.48E-05	1.10E-06	4.95E-06	8.19E-06	2.71E-07
4316	739429.86	4109067.12	5.67E-05	1.03E-04	5.67E-06	8.79E-06	1.69E-05	8.50E-07	8.54E-06	1.46E-05	1.08E-06	4.85E-06	8.03E-06	2.66E-07

4317	739455.67	4109030.3	5.43E-05	9.90E-05	5.44E-06	8.43E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.04E-06	4.66E-06	7.70E-06	2.55E-07
4318	739481.49	4108993.48	5.19E-05	9.46E-05	5.19E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.89E-07	4.45E-06	7.36E-06	2.44E-07
4319	739494.39	4108975.07	5.07E-05	9.24E-05	5.07E-06	7.86E-06	1.52E-05	7.61E-07	7.65E-06	1.30E-05	9.66E-07	4.35E-06	7.19E-06	2.38E-07
4320	739520.21	4108938.25	4.84E-05	8.82E-05	4.84E-06	7.50E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
4321	739533.11	4108919.84	4.73E-05	8.62E-05	4.73E-06	7.33E-06	1.41E-05	7.10E-07	7.13E-06	1.22E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
4322	739558.93	4108883.02	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
4323	739571.83	4108864.61	4.43E-05	8.08E-05	4.44E-06	6.88E-06	1.32E-05	6.65E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
4324	739597.65	4108827.79	4.26E-05	7.77E-05	4.27E-06	6.61E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.13E-07	3.65E-06	6.05E-06	2.00E-07
4325	739623.46	4108790.97	4.11E-05	7.49E-05	4.12E-06	6.38E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.84E-07	3.52E-06	5.83E-06	1.93E-07
4326	739636.37	4108772.56	4.04E-05	7.37E-05	4.04E-06	6.27E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.70E-07	3.46E-06	5.73E-06	1.90E-07
4327	739662.18	4108735.74	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
4328	739675.09	4108717.33	3.84E-05	7.00E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.79E-06	9.87E-06	7.32E-07	3.29E-06	5.44E-06	1.80E-07
4329	739700.9	4108680.51	3.70E-05	6.75E-05	3.71E-06	5.74E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
4330	739713.81	4108662.1	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.09E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
4331	739739.62	4108625.28	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
4332	739752.53	4108606.87	3.41E-05	6.22E-05	3.41E-06	5.29E-06	1.02E-05	5.12E-07	5.14E-06	8.77E-06	6.50E-07	2.92E-06	4.84E-06	1.60E-07
4333	739778.34	4108570.05	3.26E-05	5.93E-05	3.26E-06	5.05E-06	9.73E-06	4.89E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.62E-06	1.53E-07
4334	739804.15	4108533.23	3.11E-05	5.66E-05	3.11E-06	4.82E-06	9.28E-06	4.66E-07	4.69E-06	7.99E-06	5.92E-07	2.66E-06	4.41E-06	1.46E-07
4335	739817.06	4108514.82	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
4336	739842.87	4108478	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.69E-06	4.37E-07	4.39E-06	7.48E-06	5.55E-07	2.49E-06	4.13E-06	1.37E-07
4337	739855.78	4108459.59	2.86E-05	5.20E-05	2.86E-06	4.43E-06	8.53E-06	4.29E-07	4.31E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
4338	739881.59	4108422.77	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.27E-06	4.16E-07	4.17E-06	7.12E-06	5.28E-07	2.37E-06	3.93E-06	1.30E-07
4339	739894.5	4108404.36	2.74E-05	4.99E-05	2.74E-06	4.24E-06	8.18E-06	4.11E-07	4.13E-06	7.04E-06	5.22E-07	2.35E-06	3.88E-06	1.29E-07
4340	739920.31	4108367.54	2.70E-05	4.92E-05	2.70E-06	4.19E-06	8.06E-06	4.05E-07	4.07E-06	6.94E-06	5.14E-07	2.31E-06	3.83E-06	1.27E-07
4341	739946.13	4108330.72	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.82E-06	1.26E-07
4342	739959.03	4108312.31	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
4343	739984.85	4108275.49	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.14E-06	4.09E-07	4.11E-06	7.01E-06	5.19E-07	2.34E-06	3.87E-06	1.28E-07
4344	739997.75	4108257.08	2.75E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.06E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
4345	740023.57	4108220.26	2.79E-05	5.09E-05	2.79E-06	4.33E-06	8.34E-06	4.19E-07	4.21E-06	7.17E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
4346	740036.47	4108201.85	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.36E-07	2.41E-06	3.99E-06	1.32E-07
4347	740062.29	4108165.03	2.86E-05	5.22E-05	2.86E-06	4.44E-06	8.55E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
4348	740075.19	4108146.62	2.89E-05	5.26E-05	2.89E-06	4.47E-06	8.62E-06	4.33E-07	4.35E-06	7.42E-06	5.50E-07	2.47E-06	4.09E-06	1.36E-07
4349	740101.01	4108109.8	2.92E-05	5.33E-05	2.93E-06	4.53E-06	8.73E-06	4.39E-07	4.41E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
4350	740126.82	4108072.98	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
4351	740139.73	4108054.57	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
4352	740165.54	4108017.75	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
4353	740178.45	4107999.34	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
4354	740204.26	4107962.52	2.96E-05	5.40E-05	2.96E-06	4.59E-06	8.85E-06	4.44E-07	4.47E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
4355	740217.17	4107944.11	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
4356	740242.98	4107907.29	2.93E-05	5.34E-05	2.93E-06	4.54E-06	8.75E-06	4.40E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
4357	740268.79	4107870.47	2.89E-05	5.27E-05	2.90E-06	4.49E-06	8.65E-06	4.34E-07	4.36E-06	7.44E-06	5.52E-07	2.48E-06	4.10E-06	1.36E-07
4358	740281.7	4107852.06	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
4359	740307.51	4107815.24	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.43E-06	4.23E-07	4.25E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
4360	740320.42	4107796.83	2.79E-05	5.08E-05	2.79E-06	4.33E-06	8.33E-06	4.19E-07	4.21E-06	7.17E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
4361	740346.23	4107760.01	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.12E-06	4.08E-07	4.10E-06	6.99E-06	5.18E-07	2.33E-06	3.86E-06	1.28E-07
4362	739544.29	4111453.9	6.18E-05	1.13E-04	6.19E-06	9.59E-06	1.85E-05	9.28E-07	9.32E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
4363	739556.4	4111472.89	6.20E-05	1.13E-04	6.20E-06	9.62E-06	1.85E-05	9.31E-07	9.35E-06	1.59E-05	1.18E-06	5.31E-06	8.79E-06	2.91E-07
4364	739568.51	4111491.88	6.22E-05	1.13E-04	6.22E-06	9.65E-06	1.86E-05	9.34E-07	9.38E-06	1.60E-05	1.19E-06	5.33E-06	8.82E-06	2.92E-07
4365	739592.74	4111529.85	6.26E-05	1.14E-04	6.26E-06	9.71E-06	1.87E-05	9.40E-07	9.44E-06	1.61E-05	1.19E-06	5.36E-06	8.88E-06	2.94E-07
4366	739604.85	4111548.84	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
4367	739616.97	4111567.83	6.30E-05	1.15E-04	6.30E-06	9.77E-06	1.88E-05	9.45E-07	9.50E-06	1.62E-05	1.20E-06	5.40E-06	8.93E-06	2.96E-07
4368	739629.08	4111586.81	6.31E-05	1.15E-04	6.32E-06	9.79E-06	1.89E-05	9.48E-07	9.52E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.97E-07
4369	739641.19	4111605.8	6.32E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4370	739653.31	4111624.79	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4371	739203.17	4111646.97	5.10E-05	9.29E-05	5.10E-06	7.91E-06	1.52E-05	7.65E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
4372	739195.38	4111602.84	5.12E-05	9.33E-05	5.12E-06	7.94E-06	1.53E-05	7.69E-07	7.72E-06	1.32E-05	9.76E-07	4.39E-06	7.26E-06	2.41E-07
4373	739187.59	4111558.71	5.14E-05	9.37E-05	5.15E-06	7.98E-06	1.54E-05	7.72E-07	7.76E-06	1.32E-05	9.80E-07	4.41E-06	7.29E-06	2.42E-07
4374	739179.79	4111514.59	5.16E-05	9.40E-05	5.16E-06	8.00E-06	1.54E-05	7.74E-07	7.78E-06	1.33E-05	9.83E-07	4.42E-06	7.31E-06	2.42E-07
4375	739172	4111470.46	5.17E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.43E-06	7.32E-06	2.43E-07
4376	739164.21	4111426.33	5.17E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.43E-06	7.32E-06	2.43E-07
4377	739156.42	4111382.2	5.16E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.42E-06	7.32E-06	2.43E-07
4378	739148.63	4111338.07	5.17E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.43E-06	7.32E-06	2.43E-07
4379	739140.84	4111293.95	5.18E-05	9.43E-05	5.18E-06	8.03E-06	1.55E-05	7.77E-07	7.81E-06	1.33E-05	9.86E-07	4.44E-06	7.34E-06	2.43E-07
4380	739133.05	4111249.82	5.20E-05	9.47E-05	5.20E-06	8.06E-06	1.55E-05	7.80E-07	7.84E-06	1.34E-05	9.91E-07	4.46E-06	7.37E-06	2.44E-07
4381	739125.26	4111205.69	5.23E-05	9.54E-05	5.24E-06	8.12E-06	1.56E-05	7.86E-07	7.89E-06	1.35E-05	9.97E-07	4.48E-06	7.42E-06	2.46E-07
4382	739117.46	4111161.56	5.28E-05	9.62E-05	5.28E-06	8.19E-06	1.58E-05	7.92E-07	7.96E-06	1.36E-05	1.01E-06	4.52E-06	7.49E-06	2.48E-07
4383	739109.67	4111117.44	5.33E-05	9.71E-05	5.33E-06	8.26E-06	1.59E-05	8.00E-07	8.03E-06	1.37E-05	1.02E-06	4.57E-06	7.55E-06	2.50E-07
4384	739105.78	4111095.37	5.35E-05	9.75E-05	5.35E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.58E-06	7.59E-06	2.51E-07
4385	739097.99	4111051.25	5.39E-05	9.82E-05	5.39E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
4386	739090.2	4111007.12	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
4387	739082.4	4110962.99	5.44E-05	9.91E-05	5.44E-06	8.43E-06	1.62E-05	8.16E-07	8.20E-06	1.40E-05	1.04E-06	4.66E-06	7.71E-06	2.56E-07
4388	739074.61	4110918.86	5.46E-05	9.95E-05	5.46E-06	8.46E-06	1.63E-05	8.19E-07	8.23E-06	1.40E-05	1.04E-06	4.68E-06	7.74E-06	2.56E-07

4389	739066.82	4110874.73	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.27E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
4390	739059.03	4110830.61	5.54E-05	1.01E-04	5.54E-06	8.59E-06	1.66E-05	8.32E-07	8.35E-06	1.42E-05	1.06E-06	4.75E-06	7.86E-06	2.60E-07
4391	739051.24	4110786.48	5.63E-05	1.03E-04	5.64E-06	8.74E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.83E-06	7.99E-06	2.65E-07
4392	739043.45	4110742.35	5.77E-05	1.05E-04	5.78E-06	8.95E-06	1.72E-05	8.66E-07	8.71E-06	1.48E-05	1.10E-06	4.95E-06	8.19E-06	2.71E-07
4393	739035.66	4110698.22	5.96E-05	1.09E-04	5.96E-06	9.24E-06	1.78E-05	8.94E-07	8.98E-06	1.53E-05	1.14E-06	5.11E-06	8.45E-06	2.80E-07
4394	739027.87	4110654.1	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.78E-06	2.91E-07
4395	739020.07	4110609.97	6.45E-05	1.18E-04	6.45E-06	1.00E-05	1.93E-05	9.68E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
4396	739012.28	4110565.84	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.77E-06	9.54E-06	3.16E-07
4397	739004.49	4110521.71	7.00E-05	1.28E-04	7.01E-06	1.09E-05	2.09E-05	1.05E-06	1.06E-05	1.80E-05	1.33E-06	6.00E-06	9.93E-06	3.29E-07
4398	738996.7	4110477.59	7.25E-05	1.32E-04	7.26E-06	1.12E-05	2.17E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
4399	738988.91	4110433.46	7.45E-05	1.36E-04	7.45E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
4400	738981.12	4110389.33	7.57E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
4401	738973.33	4110345.2	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
4402	738965.54	4110301.08	7.58E-05	1.38E-04	7.58E-06	1.18E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.50E-06	1.07E-05	3.56E-07
4403	738957.75	4110256.95	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
4404	738949.95	4110212.82	7.32E-05	1.33E-04	7.32E-06	1.14E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
4405	738942.16	4110168.69	7.13E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
4406	738934.37	4110124.57	6.92E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.93E-06	9.82E-06	3.25E-07
4407	738926.58	4110080.44	6.71E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.75E-06	9.51E-06	3.15E-07
4408	738922.68	4110058.37	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.36E-06	3.10E-07
4409	738914.89	4110014.25	6.38E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
4410	738907.1	4109970.12	6.17E-05	1.12E-04	6.18E-06	9.57E-06	1.84E-05	9.26E-07	9.31E-06	1.59E-05	1.18E-06	5.29E-06	8.75E-06	2.90E-07
4411	738899.31	4109925.99	5.97E-05	1.09E-04	5.97E-06	9.26E-06	1.78E-05	8.96E-07	9.00E-06	1.53E-05	1.14E-06	5.11E-06	8.46E-06	2.81E-07
4412	738891.52	4109881.86	5.77E-05	1.05E-04	5.78E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.95E-06	8.18E-06	2.71E-07
4413	738883.73	4109837.74	5.59E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.39E-07	8.43E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.63E-07
4414	738875.94	4109793.61	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
4415	738868.15	4109749.48	5.26E-05	9.59E-05	5.27E-06	8.16E-06	1.57E-05	7.90E-07	7.94E-06	1.35E-05	1.00E-06	4.51E-06	7.46E-06	2.47E-07
4416	738860.35	4109705.35	5.14E-05	9.36E-05	5.14E-06	7.96E-06	1.53E-05	7.71E-07	7.75E-06	1.32E-05	9.79E-07	4.40E-06	7.28E-06	2.41E-07
4417	738852.56	4109661.23	5.04E-05	9.18E-05	5.04E-06	7.81E-06	1.50E-05	7.56E-07	7.60E-06	1.29E-05	9.60E-07	4.32E-06	7.14E-06	2.37E-07
4418	738844.77	4109617.1	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.49E-06	1.28E-05	9.46E-07	4.26E-06	7.04E-06	2.33E-07
4419	738836.98	4109572.97	4.92E-05	8.97E-05	4.93E-06	7.64E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
4420	738829.19	4109528.84	4.91E-05	8.94E-05	4.91E-06	7.61E-06	1.47E-05	7.36E-07	7.40E-06	1.26E-05	9.35E-07	4.20E-06	6.96E-06	2.31E-07
4421	738821.4	4109484.72	4.91E-05	8.95E-05	4.92E-06	7.62E-06	1.47E-05	7.37E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.96E-06	2.31E-07
4422	738813.61	4109440.59	4.93E-05	8.99E-05	4.94E-06	7.65E-06	1.47E-05	7.40E-07	7.44E-06	1.27E-05	9.40E-07	4.23E-06	6.99E-06	2.32E-07
4423	738805.82	4109396.46	4.96E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.49E-06	1.28E-05	9.46E-07	4.25E-06	7.04E-06	2.33E-07
4424	738798.03	4109352.33	5.00E-05	9.10E-05	5.00E-06	7.75E-06	1.49E-05	7.50E-07	7.53E-06	1.28E-05	9.52E-07	4.28E-06	7.08E-06	2.35E-07
4425	738806.99	4109311.92	5.06E-05	9.22E-05	5.06E-06	7.85E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.34E-06	7.17E-06	2.38E-07
4426	738819.85	4109293.58	5.11E-05	9.30E-05	5.11E-06	7.92E-06	1.53E-05	7.66E-07	7.70E-06	1.31E-05	9.73E-07	4.38E-06	7.24E-06	2.40E-07
4427	738845.58	4109256.89	5.18E-05	9.44E-05	5.19E-06	8.04E-06	1.55E-05	7.78E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.35E-06	2.44E-07
4428	738858.44	4109238.54	5.21E-05	9.50E-05	5.22E-06	8.08E-06	1.56E-05	7.82E-07	7.86E-06	1.34E-05	9.93E-07	4.47E-06	7.39E-06	2.45E-07
4429	738884.16	4109201.85	5.25E-05	9.57E-05	5.25E-06	8.14E-06	1.57E-05	7.88E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.44E-06	2.47E-07
4430	738909.88	4109165.16	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
4431	738922.75	4109146.81	5.25E-05	9.56E-05	5.25E-06	8.14E-06	1.57E-05	7.87E-07	7.91E-06	1.35E-05	1.00E-06	4.50E-06	7.44E-06	2.47E-07
4432	738948.47	4109110.12	5.20E-05	9.48E-05	5.21E-06	8.07E-06	1.55E-05	7.81E-07	7.85E-06	1.34E-05	9.91E-07	4.46E-06	7.38E-06	2.45E-07
4433	738974.19	4109073.43	5.13E-05	9.34E-05	5.13E-06	7.95E-06	1.53E-05	7.70E-07	7.73E-06	1.32E-05	9.77E-07	4.39E-06	7.27E-06	2.41E-07
4434	738987.05	4109055.08	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
4435	739012.78	4109018.39	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.49E-06	1.28E-05	9.46E-07	4.26E-06	7.04E-06	2.33E-07
4436	739025.64	4109000.05	4.90E-05	8.93E-05	4.90E-06	7.60E-06	1.46E-05	7.35E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
4437	739051.36	4108963.35	4.75E-05	8.65E-05	4.75E-06	7.36E-06	1.42E-05	7.13E-07	7.16E-06	1.22E-05	9.05E-07	4.07E-06	6.73E-06	2.23E-07
4438	739077.08	4108926.66	4.58E-05	8.35E-05	4.58E-06	7.10E-06	1.37E-05	6.87E-07	6.91E-06	1.18E-05	8.73E-07	3.92E-06	6.49E-06	2.15E-07
4439	739089.95	4108908.32	4.49E-05	8.19E-05	4.50E-06	6.97E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.56E-07	3.85E-06	6.37E-06	2.11E-07
4440	739115.67	4108871.63	4.31E-05	7.86E-05	4.31E-06	6.69E-06	1.29E-05	6.47E-07	6.50E-06	1.11E-05	8.22E-07	3.69E-06	6.11E-06	2.03E-07
4441	739128.53	4108853.28	4.22E-05	7.69E-05	4.22E-06	6.54E-06	1.26E-05	6.33E-07	6.36E-06	1.08E-05	8.04E-07	3.62E-06	5.98E-06	1.98E-07
4442	739154.25	4108816.59	4.04E-05	7.36E-05	4.04E-06	6.27E-06	1.21E-05	6.06E-07	6.09E-06	1.04E-05	7.70E-07	3.46E-06	5.73E-06	1.90E-07
4443	739179.98	4108779.9	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.81E-07	5.84E-06	9.95E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
4444	739192.84	4108761.55	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.75E-06	7.23E-07	3.25E-06	5.38E-06	1.78E-07
4445	739218.56	4108724.86	3.65E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.50E-06	9.37E-06	6.95E-07	3.12E-06	5.17E-06	1.71E-07
4446	739244.29	4108688.17	3.52E-05	6.41E-05	3.52E-06	5.46E-06	1.05E-05	5.28E-07	5.31E-06	9.04E-06	6.70E-07	3.01E-06	4.99E-06	1.65E-07
4447	739257.15	4108669.82	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.19E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
4448	739282.87	4108633.13	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
4449	739295.73	4108614.78	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.89E-06	4.97E-07	4.99E-06	8.51E-06	6.31E-07	2.84E-06	4.69E-06	1.56E-07
4450	739321.45	4108578.09	3.22E-05	5.87E-05	3.22E-06	5.00E-06	9.62E-06	4.84E-07	4.86E-06	8.28E-06	6.14E-07	2.76E-06	4.57E-06	1.51E-07
4451	739347.18	4108541.4	3.13E-05	5.71E-05	3.14E-06	4.86E-06	9.36E-06	4.70E-07	4.73E-06	8.06E-06	5.97E-07	2.69E-06	4.44E-06	1.47E-07
4452	739360.04	4108523.06	3.09E-05	5.63E-05	3.09E-06	4.79E-06	9.23E-06	4.63E-07	4.66E-06	7.94E-06	5.88E-07	2.65E-06	4.38E-06	1.45E-07
4453	739385.76	4108486.36	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
4454	739411.49	4108449.67	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.63E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
4455	739424.35	4108431.33	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.47E-06	4.26E-07	4.28E-06	7.29E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
4456	739450.07	4108394.64	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.13E-06	4.09E-07	4.11E-06	7.00E-06	5.19E-07	2.33E-06	3.86E-06	1.28E-07
4457	739462.93	4108376.29	2.66E-05	4.86E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
4458	739488.66	4108339.6	2.55E-05	4.65E-05	2.55E-06	3.95E-06	7.62E-06	3.83E-07	3.85E-06	6.56E-06	4.86E-07	2.19E-06	3.62E-06	1.20E-07
4459	739514.38	4108302.91	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.29E-06	3.66E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
4460	739527.24	4108284.56	2.39E-05	4.36E-05	2.39E-06	3.71E-06	7.14E-06	3.59E-07	3.61E-06	6.15E-06	4.56E-07	2.05E-06	3.39E-06	1.12E-07

4461	739552.96	4108247.87	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
4462	739578.69	4108211.18	2.24E-05	4.07E-05	2.24E-06	3.47E-06	6.68E-06	3.35E-07	3.37E-06	5.75E-06	4.26E-07	1.92E-06	3.17E-06	1.05E-07
4463	739591.55	4108192.83	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.60E-06	3.32E-07	3.33E-06	5.68E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
4464	739617.27	4108156.14	2.18E-05	3.97E-05	2.18E-06	3.37E-06	6.50E-06	3.27E-07	3.28E-06	5.59E-06	4.15E-07	1.86E-06	3.09E-06	1.02E-07
4465	739630.13	4108137.8	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.48E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
4466	739655.86	4108101.1	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.48E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
4467	739681.58	4108064.41	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
4468	739694.44	4108046.07	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.57E-06	3.30E-07	3.32E-06	5.66E-06	4.19E-07	1.89E-06	3.12E-06	1.03E-07
4469	739720.16	4108009.38	2.24E-05	4.07E-05	2.24E-06	3.47E-06	6.68E-06	3.35E-07	3.37E-06	5.75E-06	4.26E-07	1.92E-06	3.17E-06	1.05E-07
4470	739733.03	4107991.03	2.26E-05	4.11E-05	2.26E-06	3.50E-06	6.74E-06	3.38E-07	3.40E-06	5.80E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
4471	739758.75	4107954.34	2.30E-05	4.19E-05	2.30E-06	3.56E-06	6.86E-06	3.45E-07	3.46E-06	5.91E-06	4.38E-07	1.97E-06	3.26E-06	1.08E-07
4472	739784.47	4107917.65	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
4473	739797.33	4107899.3	2.35E-05	4.29E-05	2.36E-06	3.65E-06	7.03E-06	3.53E-07	3.55E-06	6.05E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
4474	739823.06	4107862.61	2.38E-05	4.34E-05	2.39E-06	3.70E-06	7.12E-06	3.58E-07	3.60E-06	6.13E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
4475	739848.78	4107825.92	2.41E-05	4.39E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.19E-06	4.59E-07	2.06E-06	3.41E-06	1.13E-07
4476	739861.64	4107807.57	2.41E-05	4.40E-05	2.42E-06	3.74E-06	7.21E-06	3.62E-07	3.64E-06	6.21E-06	4.60E-07	2.07E-06	3.42E-06	1.13E-07
4477	739887.36	4107770.88	2.42E-05	4.42E-05	2.42E-06	3.76E-06	7.24E-06	3.64E-07	3.65E-06	6.23E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
4478	739900.23	4107752.53	2.43E-05	4.42E-05	2.43E-06	3.76E-06	7.25E-06	3.64E-07	3.66E-06	6.24E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
4479	739925.95	4107715.84	2.42E-05	4.42E-05	2.43E-06	3.76E-06	7.24E-06	3.64E-07	3.66E-06	6.23E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
4480	739951.67	4107679.15	2.42E-05	4.40E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.64E-06	6.21E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
4481	739964.53	4107660.81	2.41E-05	4.39E-05	2.41E-06	3.74E-06	7.20E-06	3.62E-07	3.63E-06	6.20E-06	4.59E-07	2.06E-06	3.42E-06	1.13E-07
4482	739990.26	4107624.11	2.39E-05	4.36E-05	2.40E-06	3.71E-06	7.15E-06	3.59E-07	3.61E-06	6.15E-06	4.56E-07	2.05E-06	3.39E-06	1.13E-07
4483	740015.98	4107587.42	2.37E-05	4.32E-05	2.37E-06	3.68E-06	7.09E-06	3.56E-07	3.58E-06	6.10E-06	4.52E-07	2.03E-06	3.36E-06	1.11E-07
4484	740028.84	4107569.08	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
4485	740054.57	4107532.39	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
4486	740067.43	4107514.04	2.31E-05	4.21E-05	2.31E-06	3.59E-06	6.91E-06	3.47E-07	3.49E-06	5.94E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
4487	740093.15	4107477.35	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.78E-06	3.41E-07	3.42E-06	5.84E-06	4.33E-07	1.95E-06	3.22E-06	1.07E-07
4488	740118.87	4107440.66	2.22E-05	4.05E-05	2.22E-06	3.44E-06	6.63E-06	3.33E-07	3.35E-06	5.71E-06	4.23E-07	1.90E-06	3.15E-06	1.04E-07
4489	740131.73	4107422.31	2.19E-05	4.00E-05	2.19E-06	3.40E-06	6.55E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
4490	739219.18	4111688.02	5.10E-05	9.30E-05	5.10E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
4491	739231.29	4111707.01	5.12E-05	9.32E-05	5.12E-06	7.93E-06	1.53E-05	7.68E-07	7.71E-06	1.32E-05	9.75E-07	4.38E-06	7.25E-06	2.40E-07
4492	739243.4	4111726	5.13E-05	9.35E-05	5.13E-06	7.96E-06	1.53E-05	7.70E-07	7.74E-06	1.32E-05	9.78E-07	4.40E-06	7.27E-06	2.41E-07
4493	739255.52	4111744.98	5.15E-05	9.38E-05	5.15E-06	7.98E-06	1.54E-05	7.72E-07	7.76E-06	1.32E-05	9.80E-07	4.41E-06	7.30E-06	2.42E-07
4494	739267.63	4111763.97	5.16E-05	9.41E-05	5.16E-06	8.00E-06	1.54E-05	7.75E-07	7.78E-06	1.33E-05	9.84E-07	4.42E-06	7.32E-06	2.43E-07
4495	739279.74	4111782.96	5.18E-05	9.44E-05	5.18E-06	8.03E-06	1.55E-05	7.77E-07	7.81E-06	1.33E-05	9.87E-07	4.44E-06	7.34E-06	2.43E-07
4496	739291.86	4111801.95	5.19E-05	9.46E-05	5.20E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.90E-07	4.45E-06	7.36E-06	2.44E-07
4497	739303.97	4111820.93	5.20E-05	9.48E-05	5.21E-06	8.07E-06	1.55E-05	7.81E-07	7.85E-06	1.34E-05	9.92E-07	4.46E-06	7.38E-06	2.45E-07
4498	739316.08	4111839.92	5.21E-05	9.50E-05	5.21E-06	8.08E-06	1.56E-05	7.82E-07	7.86E-06	1.34E-05	9.93E-07	4.47E-06	7.39E-06	2.45E-07
4499	741943.48	4110193.41	3.75E-03	6.83E-03	3.75E-04	5.81E-04	1.12E-03	5.63E-05	5.65E-04	9.64E-04	7.14E-05	3.21E-04	5.31E-04	1.76E-05
4500	741963.59	4110179.92	4.23E-03	7.71E-03	4.23E-04	6.56E-04	1.26E-03	6.35E-05	6.38E-04	1.09E-03	8.06E-05	3.63E-04	6.00E-04	1.99E-05
4501	741983.7	4110166.43	4.77E-03	8.70E-03	4.77E-04	7.40E-04	1.43E-03	7.16E-05	7.20E-04	1.23E-03	9.09E-05	4.09E-04	6.77E-04	2.24E-05
4502	742003.81	4110152.93	5.32E-03	9.69E-03	5.32E-04	8.25E-04	1.59E-03	7.98E-05	8.02E-04	1.37E-03	1.01E-04	4.56E-04	7.54E-04	2.50E-05
4503	742023.92	4110139.44	5.82E-03	1.06E-02	5.82E-04	9.03E-04	1.74E-03	8.73E-05	8.78E-04	1.50E-03	1.11E-04	4.99E-04	8.25E-04	2.74E-05
4504	742044.03	4110125.95	6.25E-03	1.14E-02	6.26E-04	9.70E-04	1.87E-03	9.39E-05	9.43E-04	1.61E-03	1.19E-04	5.36E-04	8.87E-04	2.94E-05
4505	742064.14	4110112.46	6.61E-03	1.20E-02	6.62E-04	1.03E-03	1.98E-03	9.92E-05	9.97E-04	1.70E-03	1.26E-04	5.67E-04	9.37E-04	3.11E-05
4506	742084.25	4110098.96	6.90E-03	1.26E-02	6.91E-04	1.07E-03	2.06E-03	1.04E-04	1.04E-03	1.77E-03	1.32E-04	5.91E-04	9.79E-04	3.24E-05
4507	742104.36	4110085.47	7.14E-03	1.30E-02	7.14E-04	1.11E-03	2.13E-03	1.07E-04	1.08E-03	1.83E-03	1.36E-04	6.12E-04	1.01E-03	3.35E-05
4508	742124.47	4110071.98	7.34E-03	1.34E-02	7.34E-04	1.14E-03	2.19E-03	1.10E-04	1.11E-03	1.89E-03	1.40E-04	6.29E-04	1.04E-03	3.45E-05
4509	742144.58	4110058.49	7.50E-03	1.37E-02	7.50E-04	1.16E-03	2.24E-03	1.13E-04	1.13E-03	1.93E-03	1.43E-04	6.42E-04	1.06E-03	3.52E-05
4510	742164.69	4110044.99	7.63E-03	1.39E-02	7.63E-04	1.18E-03	2.28E-03	1.14E-04	1.15E-03	1.96E-03	1.45E-04	6.53E-04	1.08E-03	3.58E-05
4511	742184.8	4110031.5	7.71E-03	1.41E-02	7.72E-04	1.20E-03	2.30E-03	1.16E-04	1.16E-03	1.98E-03	1.47E-04	6.61E-04	1.09E-03	3.62E-05
4512	742204.91	4110018.01	7.73E-03	1.41E-02	7.74E-04	1.20E-03	2.31E-03	1.16E-04	1.17E-03	1.99E-03	1.47E-04	6.62E-04	1.10E-03	3.63E-05
4513	741977.52	4110200.68	3.00E-03	5.46E-03	3.00E-04	4.65E-04	8.96E-04	4.50E-05	4.52E-04	7.71E-04	5.71E-05	2.57E-04	4.25E-04	1.41E-05
4514	741997.63	4110187.19	3.28E-03	5.97E-03	3.28E-04	5.08E-04	9.79E-04	4.92E-05	4.94E-04	8.42E-04	6.24E-05	2.81E-04	4.65E-04	1.54E-05
4515	742017.74	4110173.69	3.56E-03	6.49E-03	3.56E-04	5.52E-04	1.06E-03	5.35E-05	5.37E-04	9.16E-04	6.79E-05	3.05E-04	5.05E-04	1.67E-05
4516	742037.85	4110160.2	3.83E-03	6.98E-03	3.83E-04	5.94E-04	1.14E-03	5.75E-05	5.78E-04	9.85E-04	7.30E-05	3.28E-04	5.43E-04	1.80E-05
4517	742057.96	4110146.71	4.07E-03	7.42E-03	4.07E-04	6.31E-04	1.22E-03	6.11E-05	6.14E-04	1.05E-03	7.76E-05	3.49E-04	5.77E-04	1.91E-05
4518	742078.07	4110133.22	4.27E-03	7.79E-03	4.28E-04	6.63E-04	1.28E-03	6.41E-05	6.44E-04	1.10E-03	8.14E-05	3.66E-04	6.06E-04	2.01E-05
4519	742098.18	4110119.72	4.44E-03	8.09E-03	4.44E-04	6.89E-04	1.33E-03	6.67E-05	6.70E-04	1.14E-03	8.46E-05	3.81E-04	6.30E-04	2.09E-05
4520	742118.29	4110106.23	4.58E-03	8.35E-03	4.58E-04	7.10E-04	1.37E-03	6.88E-05	6.91E-04	1.18E-03	8.73E-05	3.93E-04	6.50E-04	2.15E-05
4521	742138.4	4110092.74	4.70E-03	8.56E-03	4.70E-04	7.29E-04	1.40E-03	7.05E-05	7.09E-04	1.21E-03	8.95E-05	4.03E-04	6.66E-04	2.21E-05
4522	742158.51	4110079.25	4.79E-03	8.73E-03	4.79E-04	7.43E-04	1.43E-03	7.19E-05	7.23E-04	1.23E-03	9.13E-05	4.11E-04	6.79E-04	2.25E-05
4523	742178.62	4110065.76	4.86E-03	8.85E-03	4.86E-04	7.53E-04	1.45E-03	7.29E-05	7.32E-04	1.25E-03	9.26E-05	4.16E-04	6.89E-04	2.28E-05
4524	742198.73	4110052.26	4.89E-03	8.91E-03	4.89E-04	7.59E-04	1.46E-03	7.34E-05	7.38E-04	1.26E-03	9.32E-05	4.19E-04	6.94E-04	2.30E-05
4525	741898.25	4110235.04	2.48E-03	4.52E-03	2.48E-04	3.85E-04	7.41E-04	3.72E-05	3.74E-04	6.38E-04	4.73E-05	2.13E-04	3.52E-04	1.17E-05
4526	741991.45	4110221.44	2.27E-03	4.14E-03	2.28E-04	3.53E-04	6.79E-04	3.41E-05	3.43E-04	5.85E-04	4.33E-05	1.95E-04	3.22E-04	1.07E-05
4527	742011.56	4110207.95	2.44E-03	4.44E-03	2.44E-04	3.78E-04	7.28E-04	3.66E-05	3.67E-04	6.26E-04	4.64E-05	2.09E-04	3.45E-04	1.14E-05
4528	742031.67	4110194.45	2.60E-03	4.74E-03	2.60E-04	4.04E-04	7.78E-04	3.91E-05	3.92E-04	6.69E-04	4.96E-05	2.23E-04	3.69E-04	1.22E-05
4529	742051.78	4110180.96	2.76E-03	5.03E-03	2.76E-04	4.28E-04	8.25E-04	4.15E-05	4.17E-04	7.10E-04	5.26E-05	2.37E-04	3.92E-04	1.30E-05
4530	742071.89	4110167.47	2.91E-03	5.30E-03	2.91E-04	4.51E-04	8.69E-04	4.36E-05	4.38E-04	7.47E-04	5.54E-05	2.49E-04	4.12E-04	1.37E-05
4531	742092	4110153.98	3.03E-03	5.53E-03	3.03E-04	4.70E-04	9.06E-04	4.55E-05	4.57E-04	7.80E-04	5.78E-05	2.60E-04	4.30E-04	1.43E-05
4532	742112.11	4110140.48	3.14E-03	5.72E-03	3.14E-04	4.86E-04	9.37E-04	4.71E-05	4.73E-04	8.06E-04	5.98E-05	2.69E-04	4.45E-04	1.47E-05

4533	742132.22	4110126.99	3.23E-03	5.88E-03	3.23E-04	5.00E-04	9.64E-04	4.84E-05	4.86E-04	8.29E-04	6.15E-05	2.76E-04	4.57E-04	1.52E-05
4534	742152.33	4110113.5	3.30E-03	6.02E-03	3.31E-04	5.12E-04	9.87E-04	4.96E-05	4.98E-04	8.49E-04	6.29E-05	2.83E-04	4.68E-04	1.55E-05
4535	742172.44	4110100.01	3.36E-03	6.13E-03	3.37E-04	5.22E-04	1.00E-03	5.05E-05	5.07E-04	8.65E-04	6.41E-05	2.88E-04	4.77E-04	1.58E-05
4536	742192.55	4110086.52	3.40E-03	6.20E-03	3.40E-04	5.28E-04	1.02E-03	5.11E-05	5.13E-04	8.74E-04	6.48E-05	2.91E-04	4.82E-04	1.60E-05
4537	742212.66	4110073.02	3.41E-03	6.22E-03	3.42E-04	5.30E-04	1.02E-03	5.13E-05	5.15E-04	8.78E-04	6.51E-05	2.93E-04	4.84E-04	1.60E-05
4538	742232.77	4110059.53	3.39E-03	6.18E-03	3.39E-04	5.26E-04	1.01E-03	5.09E-05	5.11E-04	8.71E-04	6.46E-05	2.90E-04	4.81E-04	1.59E-05
4539	741928.14	4110266.82	1.80E-03	3.27E-03	1.80E-04	2.79E-04	5.37E-04	2.70E-05	2.71E-04	4.62E-04	3.42E-05	1.54E-04	2.55E-04	8.44E-06
4540	741893.13	4110259.51	1.98E-03	3.61E-03	1.98E-04	3.07E-04	5.92E-04	2.98E-05	2.99E-04	5.10E-04	3.78E-05	1.70E-04	2.81E-04	9.32E-06
4541	742005.37	4110242.2	1.80E-03	3.27E-03	1.80E-04	2.79E-04	5.37E-04	2.70E-05	2.71E-04	4.62E-04	3.42E-05	1.54E-04	2.55E-04	8.44E-06
4542	742025.48	4110228.71	1.90E-03	3.46E-03	1.90E-04	2.94E-04	5.67E-04	2.85E-05	2.86E-04	4.88E-04	3.62E-05	1.63E-04	2.69E-04	8.92E-06
4543	742045.59	4110215.21	2.00E-03	3.65E-03	2.00E-04	3.11E-04	5.98E-04	3.01E-05	3.02E-04	5.15E-04	3.82E-05	1.72E-04	2.84E-04	9.41E-06
4544	742065.7	4110201.72	2.10E-03	3.83E-03	2.11E-04	3.26E-04	6.28E-04	3.16E-05	3.17E-04	5.41E-04	4.01E-05	1.80E-04	2.98E-04	9.89E-06
4545	742085.81	4110188.23	2.20E-03	4.01E-03	2.20E-04	3.41E-04	6.57E-04	3.30E-05	3.32E-04	5.65E-04	4.19E-05	1.88E-04	3.12E-04	1.03E-05
4546	742105.92	4110174.74	2.28E-03	4.16E-03	2.28E-04	3.54E-04	6.82E-04	3.42E-05	3.44E-04	5.87E-04	4.35E-05	1.95E-04	3.23E-04	1.07E-05
4547	742126.03	4110161.25	2.35E-03	4.28E-03	2.35E-04	3.64E-04	7.02E-04	3.53E-05	3.54E-04	6.04E-04	4.48E-05	2.01E-04	3.33E-04	1.10E-05
4548	742146.14	4110147.75	2.41E-03	4.39E-03	2.41E-04	3.74E-04	7.20E-04	3.62E-05	3.63E-04	6.19E-04	4.59E-05	2.06E-04	3.42E-04	1.13E-05
4549	742166.25	4110134.26	2.46E-03	4.48E-03	2.46E-04	3.82E-04	7.35E-04	3.69E-05	3.71E-04	6.33E-04	4.69E-05	2.11E-04	3.49E-04	1.16E-05
4550	742186.36	4110120.77	2.50E-03	4.56E-03	2.50E-04	3.88E-04	7.47E-04	3.75E-05	3.77E-04	6.43E-04	4.77E-05	2.14E-04	3.55E-04	1.18E-05
4551	742206.47	4110107.28	2.52E-03	4.60E-03	2.52E-04	3.91E-04	7.54E-04	3.79E-05	3.80E-04	6.49E-04	4.81E-05	2.16E-04	3.58E-04	1.19E-05
4552	742226.58	4110093.78	2.52E-03	4.59E-03	2.52E-04	3.91E-04	7.53E-04	3.78E-05	3.80E-04	6.48E-04	4.81E-05	2.16E-04	3.58E-04	1.19E-05
4553	741967.42	4110306.12	1.25E-03	2.27E-03	1.25E-04	1.94E-04	3.73E-04	1.87E-05	1.88E-04	3.21E-04	2.38E-05	1.07E-04	1.77E-04	5.86E-06
4554	741944.57	4110310.57	1.27E-03	2.32E-03	1.27E-04	1.97E-04	3.80E-04	1.91E-05	1.92E-04	3.27E-04	2.42E-05	1.09E-04	1.80E-04	5.98E-06
4555	741921.72	4110315.03	1.28E-03	2.33E-03	1.28E-04	1.99E-04	3.83E-04	1.92E-05	1.93E-04	3.29E-04	2.44E-05	1.10E-04	1.82E-04	6.02E-06
4556	741879.71	4110306.25	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.18E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.57E-06
4557	741860.56	4110293.02	1.53E-03	2.78E-03	1.53E-04	2.37E-04	4.56E-04	2.29E-05	2.30E-04	3.92E-04	2.91E-05	1.31E-04	2.16E-04	7.18E-06
4558	741841.4	4110279.79	1.66E-03	3.03E-03	1.66E-04	2.58E-04	4.96E-04	2.49E-05	2.51E-04	4.27E-04	3.17E-05	1.42E-04	2.36E-04	7.81E-06
4559	741822.25	4110266.56	1.81E-03	3.30E-03	1.81E-04	2.81E-04	5.40E-04	2.71E-05	2.73E-04	4.65E-04	3.45E-05	1.55E-04	2.56E-04	8.50E-06
4560	742013.12	4110297.21	1.17E-03	2.14E-03	1.17E-04	1.82E-04	3.51E-04	1.76E-05	1.77E-04	3.02E-04	2.24E-05	1.01E-04	1.66E-04	5.52E-06
4561	742033.23	4110283.72	1.21E-03	2.21E-03	1.21E-04	1.88E-04	3.62E-04	1.82E-05	1.83E-04	3.11E-04	2.31E-05	1.04E-04	1.72E-04	5.69E-06
4562	742053.34	4110270.23	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.75E-04	1.88E-05	1.89E-04	3.23E-04	2.39E-05	1.08E-04	1.78E-04	5.90E-06
4563	742073.45	4110256.74	1.30E-03	2.38E-03	1.30E-04	2.02E-04	3.89E-04	1.96E-05	1.97E-04	3.35E-04	2.48E-05	1.12E-04	1.85E-04	6.13E-06
4564	742093.56	4110243.24	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.03E-05	2.04E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.35E-06
4565	742113.67	4110229.75	1.40E-03	2.54E-03	1.40E-04	2.16E-04	4.17E-04	2.09E-05	2.10E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.56E-06
4566	742133.78	4110216.26	1.44E-03	2.62E-03	1.44E-04	2.23E-04	4.29E-04	2.15E-05	2.16E-04	3.69E-04	2.73E-05	1.23E-04	2.03E-04	6.74E-06
4567	742153.89	4110202.77	1.47E-03	2.67E-03	1.47E-04	2.28E-04	4.39E-04	2.20E-05	2.21E-04	3.77E-04	2.80E-05	1.26E-04	2.08E-04	6.90E-06
4568	742174	4110189.27	1.50E-03	2.72E-03	1.50E-04	2.32E-04	4.47E-04	2.24E-05	2.25E-04	3.84E-04	2.85E-05	1.28E-04	2.12E-04	7.03E-06
4569	742194.11	4110175.78	1.52E-03	2.77E-03	1.52E-04	2.36E-04	4.54E-04	2.28E-05	2.29E-04	3.91E-04	2.90E-05	1.30E-04	2.16E-04	7.14E-06
4570	742214.22	4110162.29	1.54E-03	2.81E-03	1.54E-04	2.39E-04	4.60E-04	2.31E-05	2.32E-04	3.96E-04	2.93E-05	1.32E-04	2.18E-04	7.24E-06
4571	742234.33	4110148.8	1.55E-03	2.82E-03	1.55E-04	2.40E-04	4.63E-04	2.33E-05	2.34E-04	3.98E-04	2.95E-05	1.33E-04	2.20E-04	7.28E-06
4572	742254.44	4110135.3	1.55E-03	2.82E-03	1.55E-04	2.40E-04	4.63E-04	2.32E-05	2.34E-04	3.98E-04	2.95E-05	1.33E-04	2.20E-04	7.28E-06
4573	742274.55	4110121.81	1.54E-03	2.81E-03	1.54E-04	2.39E-04	4.60E-04	2.31E-05	2.32E-04	3.96E-04	2.93E-05	1.32E-04	2.18E-04	7.24E-06
4574	741975.69	4110351.46	9.39E-04	1.71E-03	9.40E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.41E-04	1.79E-05	8.05E-05	1.33E-04	4.41E-06
4575	741932.17	4110359.94	9.70E-04	1.77E-03	9.70E-05	1.50E-04	2.90E-04	1.46E-05	1.46E-04	2.49E-04	1.85E-05	8.31E-05	1.38E-04	4.56E-06
4576	741870.4	4110355.82	1.04E-03	1.89E-03	1.04E-04	1.61E-04	3.10E-04	1.56E-05	1.56E-04	2.67E-04	1.98E-05	8.89E-05	1.47E-04	4.87E-06
4577	741833.91	4110330.62	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.53E-04	1.77E-05	1.78E-04	3.04E-04	2.25E-05	1.01E-04	1.68E-04	5.56E-06
4578	741797.43	4110305.42	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.02E-05	2.03E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.34E-06
4579	742061.09	4110325.24	8.74E-04	1.59E-03	8.74E-05	1.36E-04	2.61E-04	1.31E-05	1.32E-04	2.25E-04	1.67E-05	7.49E-05	1.24E-04	4.11E-06
4580	742081.2	4110311.75	8.94E-04	1.63E-03	8.95E-05	1.39E-04	2.67E-04	1.34E-05	1.35E-04	2.30E-04	1.70E-05	7.66E-05	1.27E-04	4.20E-06
4581	742101.31	4110298.26	9.18E-04	1.67E-03	9.19E-05	1.42E-04	2.74E-04	1.38E-05	1.38E-04	2.36E-04	1.75E-05	7.87E-05	1.30E-04	4.31E-06
4582	742121.42	4110284.76	9.42E-04	1.72E-03	9.43E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.42E-04	1.80E-05	8.07E-05	1.34E-04	4.43E-06
4583	742141.53	4110271.27	9.64E-04	1.76E-03	9.65E-05	1.50E-04	2.88E-04	1.45E-05	1.45E-04	2.48E-04	1.84E-05	8.26E-05	1.37E-04	4.53E-06
4584	742161.64	4110257.78	9.83E-04	1.79E-03	9.84E-05	1.52E-04	2.94E-04	1.48E-05	1.48E-04	2.53E-04	1.87E-05	8.42E-05	1.39E-04	4.62E-06
4585	742181.75	4110244.29	9.98E-04	1.82E-03	9.99E-05	1.55E-04	2.98E-04	1.50E-05	1.51E-04	2.57E-04	1.90E-05	8.56E-05	1.42E-04	4.69E-06
4586	742201.86	4110230.79	1.01E-03	1.84E-03	1.01E-04	1.57E-04	3.02E-04	1.52E-05	1.53E-04	2.60E-04	1.93E-05	8.67E-05	1.44E-04	4.76E-06
4587	742221.97	4110217.3	1.03E-03	1.87E-03	1.03E-04	1.59E-04	3.07E-04	1.54E-05	1.55E-04	2.64E-04	1.96E-05	8.80E-05	1.46E-04	4.82E-06
4588	742242.08	4110203.81	1.04E-03	1.89E-03	1.04E-04	1.61E-04	3.11E-04	1.56E-05	1.57E-04	2.67E-04	1.98E-05	8.91E-05	1.47E-04	4.89E-06
4589	742262.19	4110190.32	1.05E-03	1.91E-03	1.05E-04	1.63E-04	3.13E-04	1.57E-05	1.58E-04	2.70E-04	2.00E-05	8.99E-05	1.49E-04	4.93E-06
4590	742282.3	4110176.83	1.05E-03	1.92E-03	1.06E-04	1.64E-04	3.15E-04	1.58E-05	1.59E-04	2.71E-04	2.01E-05	9.04E-05	1.50E-04	4.96E-06
4591	742302.41	4110163.33	1.06E-03	1.92E-03	1.06E-04	1.64E-04	3.15E-04	1.58E-05	1.59E-04	2.71E-04	2.01E-05	9.04E-05	1.50E-04	4.96E-06
4592	742005.36	4110392.62	7.19E-04	1.31E-03	7.20E-05	1.12E-04	2.15E-04	1.08E-05	1.08E-04	1.85E-04	1.37E-05	6.16E-05	1.02E-04	3.38E-06
4593	741963.05	4110400.87	7.54E-04	1.37E-03	7.54E-05	1.17E-04	2.25E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.46E-05	1.07E-04	3.54E-06
4594	741920.73	4110409.12	7.69E-04	1.40E-03	7.70E-05	1.19E-04	2.30E-04	1.15E-05	1.16E-04	1.98E-04	1.47E-05	6.59E-05	1.09E-04	3.62E-06
4595	741860.68	4110405.11	8.10E-04	1.48E-03	8.11E-05	1.26E-04	2.42E-04	1.22E-05	1.22E-04	2.08E-04	1.54E-05	6.94E-05	1.15E-04	3.81E-06
4596	741825.21	4110380.61	9.00E-04	1.64E-03	9.01E-05	1.40E-04	2.69E-04	1.35E-05	1.36E-04	2.31E-04	1.72E-05	7.72E-05	1.28E-04	4.23E-06
4597	741789.73	4110356.11	9.96E-04	1.82E-03	9.97E-05	1.55E-04	2.98E-04	1.50E-05	1.50E-04	2.56E-04	1.90E-05	8.54E-05	1.41E-04	4.68E-06
4598	741754.26	4110331.61	1.12E-03	2.03E-03	1.12E-04	1.73E-04	3.33E-04	1.67E-05	1.68E-04	2.87E-04	2.13E-05	9.56E-05	1.58E-04	5.24E-06
4599	742088.95	4110366.76	6.58E-04	1.20E-03	6.59E-05	1.02E-04	1.97E-04	9.88E-06	9.93E-05	1.69E-04	1.25E-05	5.64E-05	9.33E-05	3.09E-06
4600	742109.06	4110353.27	6.66E-04	1.21E-03	6.67E-05	1.03E-04	1.99E-04	1.00E-05	1.00E-04	1.71E-04	1.27E-05	5.71E-05	9.45E-05	3.13E-06
4601	742129.17	4110339.78	6.78E-04	1.24E-03	6.78E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.81E-05	9.61E-05	3.19E-06
4602	742149.28	4110326.28	6.91E-04	1.26E-03	6.91E-05	1.07E-04	2.06E-04	1.04E-05	1.04E-04	1.78E-04	1.32E-05	5.92E-05	9.80E-05	3.25E-06
4603	742169.39	4110312.79	7.03E-04	1.28E-03	7.04E-05	1.09E-04	2.10E-04	1.06E-05	1.06E-04	1.81E-04	1.34E-05	6.03E-05	9.97E-05	3.31E-06
4604	742189.5	4110299.3	7.14E-04	1.30E-03	7.14E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.83E-04	1.36E-05	6.12E-05	1.01E-04	3.35E-06

4605	742209.61	4110285.81	7.22E-04	1.31E-03	7.22E-05	1.12E-04	2.16E-04	1.08E-05	1.09E-04	1.85E-04	1.37E-05	6.18E-05	1.02E-04	3.39E-06
4606	742229.72	4110272.32	7.29E-04	1.33E-03	7.29E-05	1.13E-04	2.18E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.24E-05	1.03E-04	3.42E-06
4607	742249.83	4110258.82	7.36E-04	1.34E-03	7.37E-05	1.14E-04	2.20E-04	1.11E-05	1.11E-04	1.89E-04	1.40E-05	6.31E-05	1.04E-04	3.46E-06
4608	742269.94	4110245.33	7.46E-04	1.36E-03	7.47E-05	1.16E-04	2.23E-04	1.12E-05	1.13E-04	1.92E-04	1.42E-05	6.39E-05	1.06E-04	3.51E-06
4609	742290.05	4110231.84	7.57E-04	1.38E-03	7.57E-05	1.17E-04	2.26E-04	1.14E-05	1.14E-04	1.95E-04	1.44E-05	6.49E-05	1.07E-04	3.56E-06
4610	742310.16	4110218.35	7.67E-04	1.40E-03	7.67E-05	1.19E-04	2.29E-04	1.15E-05	1.16E-04	1.97E-04	1.46E-05	6.57E-05	1.09E-04	3.60E-06
4611	742330.27	4110204.85	7.73E-04	1.41E-03	7.73E-05	1.20E-04	2.31E-04	1.16E-05	1.17E-04	1.99E-04	1.47E-05	6.62E-05	1.10E-04	3.63E-06
4612	742050.99	4110430.68	5.51E-04	1.00E-03	5.51E-05	8.54E-05	1.64E-04	8.26E-06	8.30E-05	1.42E-04	1.05E-05	4.72E-05	7.81E-05	2.59E-06
4613	742028.14	4110435.13	5.70E-04	1.04E-03	5.71E-05	8.84E-05	1.70E-04	8.56E-06	8.60E-05	1.47E-04	1.09E-05	4.89E-05	8.09E-05	2.68E-06
4614	742005.29	4110439.59	5.89E-04	1.07E-03	5.90E-05	9.14E-05	1.76E-04	8.85E-06	8.89E-05	1.52E-04	1.12E-05	5.05E-05	8.36E-05	2.77E-06
4615	741982.44	4110444.04	6.06E-04	1.10E-03	6.06E-05	9.39E-05	1.81E-04	9.09E-06	9.14E-05	1.56E-04	1.15E-05	5.19E-05	8.59E-05	2.85E-06
4616	741959.59	4110448.49	6.18E-04	1.13E-03	6.18E-05	9.58E-05	1.85E-04	9.27E-06	9.31E-05	1.59E-04	1.18E-05	5.29E-05	8.76E-05	2.90E-06
4617	741936.74	4110452.95	6.25E-04	1.14E-03	6.25E-05	9.69E-05	1.87E-04	9.38E-06	9.43E-05	1.61E-04	1.19E-05	5.36E-05	8.86E-05	2.94E-06
4618	741913.89	4110457.4	6.29E-04	1.15E-03	6.29E-05	9.75E-05	1.88E-04	9.43E-06	9.48E-05	1.62E-04	1.20E-05	5.39E-05	8.91E-05	2.95E-06
4619	741891.04	4110461.85	6.29E-04	1.15E-03	6.29E-05	9.75E-05	1.88E-04	9.43E-06	9.48E-05	1.62E-04	1.20E-05	5.39E-05	8.91E-05	2.95E-06
4620	741849.03	4110453.08	6.60E-04	1.20E-03	6.60E-05	1.02E-04	1.97E-04	9.90E-06	9.95E-05	1.70E-04	1.26E-05	5.65E-05	9.35E-05	3.10E-06
4621	741829.88	4110439.85	6.93E-04	1.26E-03	6.94E-05	1.07E-04	2.07E-04	1.04E-05	1.05E-04	1.78E-04	1.32E-05	5.94E-05	9.83E-05	3.26E-06
4622	741810.72	4110426.61	7.25E-04	1.32E-03	7.26E-05	1.12E-04	2.17E-04	1.09E-05	1.09E-04	1.86E-04	1.38E-05	6.21E-05	1.03E-04	3.41E-06
4623	741791.57	4110413.38	7.57E-04	1.38E-03	7.57E-05	1.17E-04	2.26E-04	1.14E-05	1.14E-04	1.95E-04	1.44E-05	6.49E-05	1.07E-04	3.56E-06
4624	741772.41	4110400.15	7.92E-04	1.44E-03	7.93E-05	1.23E-04	2.37E-04	1.19E-05	1.19E-04	2.04E-04	1.51E-05	6.79E-05	1.12E-04	3.72E-06
4625	741753.26	4110386.92	8.33E-04	1.52E-03	8.34E-05	1.29E-04	2.49E-04	1.25E-05	1.26E-04	2.14E-04	1.59E-05	7.14E-05	1.18E-04	3.92E-06
4626	741734.1	4110373.69	8.81E-04	1.60E-03	8.81E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.54E-05	1.25E-04	4.14E-06
4627	741714.94	4110360.46	9.32E-04	1.70E-03	9.32E-05	1.45E-04	2.78E-04	1.40E-05	1.41E-04	2.40E-04	1.78E-05	7.99E-05	1.32E-04	4.38E-06
4628	741695.79	4110347.23	9.85E-04	1.79E-03	9.85E-05	1.53E-04	2.94E-04	1.48E-05	1.48E-04	2.53E-04	1.88E-05	8.44E-05	1.40E-04	4.63E-06
4629	742096.69	4110421.77	5.10E-04	9.30E-04	5.11E-05	7.91E-05	1.52E-04	7.66E-06	7.69E-05	1.31E-04	9.72E-06	4.37E-05	7.23E-05	2.40E-06
4630	742116.8	4110408.28	5.11E-04	9.31E-04	5.11E-05	7.92E-05	1.53E-04	7.67E-06	7.70E-05	1.31E-04	9.74E-06	4.38E-05	7.24E-05	2.40E-06
4631	742136.91	4110394.79	5.13E-04	9.35E-04	5.13E-05	7.96E-05	1.53E-04	7.70E-06	7.74E-05	1.32E-04	9.78E-06	4.40E-05	7.27E-05	2.41E-06
4632	742157.02	4110381.3	5.18E-04	9.45E-04	5.19E-05	8.04E-05	1.55E-04	7.78E-06	7.82E-05	1.33E-04	9.88E-06	4.44E-05	7.35E-05	2.44E-06
4633	742177.13	4110367.81	5.26E-04	9.59E-04	5.26E-05	8.16E-05	1.57E-04	7.90E-06	7.93E-05	1.35E-04	1.00E-05	4.51E-05	7.46E-05	2.47E-06
4634	742197.24	4110354.31	5.34E-04	9.74E-04	5.35E-05	8.29E-05	1.60E-04	8.02E-06	8.06E-05	1.37E-04	1.02E-05	4.58E-05	7.58E-05	2.51E-06
4635	742217.35	4110340.82	5.41E-04	9.86E-04	5.42E-05	8.40E-05	1.62E-04	8.13E-06	8.16E-05	1.39E-04	1.03E-05	4.64E-05	7.68E-05	2.54E-06
4636	742237.46	4110327.33	5.47E-04	9.96E-04	5.47E-05	8.48E-05	1.63E-04	8.20E-06	8.24E-05	1.41E-04	1.04E-05	4.68E-05	7.75E-05	2.57E-06
4637	742257.57	4110313.84	5.50E-04	1.00E-03	5.51E-05	8.53E-05	1.64E-04	8.26E-06	8.30E-05	1.41E-04	1.05E-05	4.71E-05	7.80E-05	2.59E-06
4638	742277.68	4110300.34	5.55E-04	1.01E-03	5.55E-05	8.61E-05	1.66E-04	8.33E-06	8.37E-05	1.43E-04	1.06E-05	4.76E-05	7.87E-05	2.61E-06
4639	742297.79	4110286.85	5.62E-04	1.02E-03	5.63E-05	8.72E-05	1.68E-04	8.44E-06	8.48E-05	1.45E-04	1.07E-05	4.82E-05	7.97E-05	2.64E-06
4640	742317.9	4110273.36	5.72E-04	1.04E-03	5.72E-05	8.87E-05	1.71E-04	8.58E-06	8.62E-05	1.47E-04	1.09E-05	4.90E-05	8.11E-05	2.69E-06
4641	742338.01	4110259.87	5.82E-04	1.06E-03	5.82E-05	9.02E-05	1.74E-04	8.73E-06	8.77E-05	1.50E-04	1.11E-05	4.99E-05	8.25E-05	2.73E-06
4642	742358.12	4110246.37	5.90E-04	1.08E-03	5.91E-05	9.16E-05	1.76E-04	8.86E-06	8.90E-05	1.52E-04	1.13E-05	5.06E-05	8.37E-05	2.77E-06
4643	742105.54	4110513.95	3.61E-04	6.58E-04	3.61E-05	5.60E-05	1.08E-04	5.42E-06	5.45E-05	9.28E-05	6.88E-06	3.09E-05	5.12E-05	1.70E-06
4644	742082.1	4110518.52	3.74E-04	6.82E-04	3.75E-05	5.81E-05	1.12E-04	5.62E-06	5.65E-05	9.63E-05	7.14E-06	3.21E-05	5.31E-05	1.76E-06
4645	742058.66	4110523.09	3.89E-04	7.08E-04	3.89E-05	6.03E-05	1.16E-04	5.83E-06	5.86E-05	9.99E-05	7.41E-06	3.33E-05	5.51E-05	1.83E-06
4646	742035.23	4110527.65	4.04E-04	7.35E-04	4.04E-05	6.26E-05	1.21E-04	6.06E-06	6.08E-05	1.04E-04	7.69E-06	3.46E-05	5.72E-05	1.90E-06
4647	742011.79	4110532.22	4.18E-04	7.61E-04	4.18E-05	6.48E-05	1.25E-04	6.27E-06	6.30E-05	1.07E-04	7.96E-06	3.58E-05	5.92E-05	1.96E-06
4648	741988.35	4110536.79	4.30E-04	7.83E-04	4.30E-05	6.66E-05	1.28E-04	6.45E-06	6.48E-05	1.10E-04	8.19E-06	3.68E-05	6.09E-05	2.02E-06
4649	741964.92	4110541.36	4.38E-04	7.99E-04	4.39E-05	6.80E-05	1.31E-04	6.58E-06	6.61E-05	1.13E-04	8.36E-06	3.76E-05	6.22E-05	2.06E-06
4650	741941.48	4110545.92	4.44E-04	8.10E-04	4.45E-05	6.89E-05	1.33E-04	6.67E-06	6.70E-05	1.14E-04	8.47E-06	3.81E-05	6.30E-05	2.09E-06
4651	741918.04	4110550.49	4.48E-04	8.16E-04	4.48E-05	6.95E-05	1.34E-04	6.72E-06	6.75E-05	1.15E-04	8.54E-06	3.84E-05	6.35E-05	2.11E-06
4652	741894.61	4110555.06	4.49E-04	8.19E-04	4.50E-05	6.97E-05	1.34E-04	6.75E-06	6.78E-05	1.16E-04	8.57E-06	3.85E-05	6.37E-05	2.11E-06
4653	741871.17	4110559.63	4.49E-04	8.18E-04	4.49E-05	6.96E-05	1.34E-04	6.73E-06	6.77E-05	1.15E-04	8.55E-06	3.84E-05	6.36E-05	2.11E-06
4654	741828.09	4110550.62	4.65E-04	8.48E-04	4.65E-05	7.21E-05	1.39E-04	6.98E-06	7.02E-05	1.20E-04	8.87E-06	3.99E-05	6.60E-05	2.19E-06
4655	741808.44	4110537.05	4.84E-04	8.81E-04	4.84E-05	7.50E-05	1.44E-04	7.26E-06	7.29E-05	1.24E-04	9.22E-06	4.14E-05	6.86E-05	2.27E-06
4656	741788.79	4110523.48	5.01E-04	9.13E-04	5.01E-05	7.77E-05	1.50E-04	7.52E-06	7.55E-05	1.29E-04	9.55E-06	4.29E-05	7.10E-05	2.35E-06
4657	741769.15	4110509.91	5.17E-04	9.42E-04	5.17E-05	8.02E-05	1.54E-04	7.76E-06	7.80E-05	1.33E-04	9.85E-06	4.43E-05	7.33E-05	2.43E-06
4658	741749.5	4110496.34	5.33E-04	9.71E-04	5.33E-05	8.26E-05	1.59E-04	8.00E-06	8.04E-05	1.37E-04	1.02E-05	4.57E-05	7.56E-05	2.50E-06
4659	741729.85	4110482.77	5.51E-04	1.00E-03	5.51E-05	8.54E-05	1.65E-04	8.27E-06	8.31E-05	1.42E-04	1.05E-05	4.72E-05	7.81E-05	2.59E-06
4660	741710.21	4110469.2	5.73E-04	1.04E-03	5.73E-05	8.88E-05	1.71E-04	8.59E-06	8.64E-05	1.47E-04	1.09E-05	4.91E-05	8.12E-05	2.69E-06
4661	741690.56	4110455.63	5.99E-04	1.09E-03	5.99E-05	9.29E-05	1.79E-04	8.99E-06	9.03E-05	1.54E-04	1.14E-05	5.13E-05	8.49E-05	2.81E-06
4662	741670.91	4110442.06	6.29E-04	1.15E-03	6.29E-05	9.75E-05	1.88E-04	9.44E-06	9.48E-05	1.62E-04	1.20E-05	5.39E-05	8.92E-05	2.96E-06
4663	741651.27	4110428.49	6.62E-04	1.21E-03	6.63E-05	1.03E-04	1.98E-04	9.94E-06	9.99E-05	1.70E-04	1.26E-05	5.68E-05	9.39E-05	3.11E-06
4664	741631.62	4110414.92	6.98E-04	1.27E-03	6.99E-05	1.08E-04	2.09E-04	1.05E-05	1.05E-04	1.80E-04	1.33E-05	5.98E-05	9.90E-05	3.28E-06
4665	741611.98	4110401.35	7.33E-04	1.34E-03	7.34E-05	1.14E-04	2.19E-04	1.10E-05	1.11E-04	1.89E-04	1.40E-05	6.28E-05	1.04E-04	3.45E-06
4666	742152.41	4110504.82	3.34E-04	6.08E-04	3.34E-05	5.17E-05	9.97E-05	5.01E-06	5.03E-05	8.58E-05	6.36E-06	2.86E-05	4.73E-05	1.57E-06
4667	742172.52	4110491.32	3.30E-04	6.02E-04	3.31E-05	5.12E-05	9.87E-05	4.96E-06	4.98E-05	8.49E-05	6.30E-06	2.83E-05	4.68E-05	1.55E-06
4668	742192.63	4110477.83	3.28E-04	5.98E-04	3.28E-05	5.09E-05	9.80E-05	4.92E-06	4.95E-05	8.43E-05	6.25E-06	2.81E-05	4.65E-05	1.54E-06
4669	742212.74	4110464.34	3.28E-04	5.98E-04	3.29E-05	5.09E-05	9.81E-05	4.93E-06	4.95E-05	8.44E-05	6.26E-06	2.81E-05	4.66E-05	1.54E-06
4670	742232.85	4110450.85	3.32E-04	6.05E-04	3.32E-05	5.15E-05	9.91E-05	4.98E-06	5.00E-05	8.53E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
4671	742252.96	4110437.35	3.38E-04	6.15E-04	3.38E-05	5.24E-05	1.01E-04	5.07E-06	5.09E-05	8.68E-05	6.43E-06	2.89E-05	4.79E-05	1.59E-06
4672	742273.07	4110423.86	3.44E-04	6.26E-04	3.44E-05	5.33E-05	1.03E-04	5.16E-06	5.18E-05	8.83E-05	6.55E-06	2.94E-05	4.87E-05	1.61E-06
4673	742293.18	4110410.37	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.95E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
4674	742313.29	4110396.88	3.51E-04	6.40E-04	3.51E-05	5.44E-05	1.05E-04	5.27E-06	5.29E-05	9.02E-05	6.69E-06	3.01E-05	4.98E-05	1.65E-06
4675	742333.4	4110383.39	3.53E-04	6.44E-04	3.53E-05	5.48E-05	1.06E-04	5.30E-06	5.33E-05	9.08E-05	6.73E-06	3.03E-05	5.01E-05	1.66E-06
4676	742353.51	4110369.89	3.56E-04	6.49E-04	3.56E-05	5.52E-05	1.06E-04	5.35E-06	5.37E-05	9.16E-05	6.79E-06	3.05E-05	5.05E-05	1.67E-06

4677	742373.62	4110356.4	3.61E-04	6.58E-04	3.61E-05	5.60E-05	1.08E-04	5.42E-06	5.44E-05	9.28E-05	6.88E-06	3.09E-05	5.12E-05	1.70E-06
4678	742393.73	4110342.91	3.68E-04	6.70E-04	3.68E-05	5.70E-05	1.10E-04	5.52E-06	5.54E-05	9.45E-05	7.01E-06	3.15E-05	5.21E-05	1.73E-06
4679	742413.84	4110329.42	3.75E-04	6.84E-04	3.75E-05	5.82E-05	1.12E-04	5.63E-06	5.66E-05	9.64E-05	7.15E-06	3.21E-05	5.32E-05	1.76E-06
4680	742163.32	4110596.59	2.53E-04	4.60E-04	2.53E-05	3.92E-05	7.55E-05	3.79E-06	3.81E-05	6.49E-05	4.81E-06	2.16E-05	3.58E-05	1.19E-06
4681	742140.92	4110600.96	2.61E-04	4.76E-04	2.61E-05	4.05E-05	7.81E-05	3.92E-06	3.94E-05	6.72E-05	4.98E-06	2.24E-05	3.70E-05	1.23E-06
4682	742118.51	4110605.32	2.70E-04	4.92E-04	2.70E-05	4.19E-05	8.06E-05	4.05E-06	4.07E-05	6.94E-05	5.14E-06	2.31E-05	3.83E-05	1.27E-06
4683	742096.11	4110609.69	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.33E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
4684	742073.71	4110614.05	2.89E-04	5.26E-04	2.89E-05	4.48E-05	8.63E-05	4.34E-06	4.36E-05	7.42E-05	5.50E-06	2.47E-05	4.10E-05	1.36E-06
4685	742051.3	4110618.42	2.99E-04	5.45E-04	2.99E-05	4.64E-05	8.94E-05	4.49E-06	4.51E-05	7.69E-05	5.70E-06	2.56E-05	4.24E-05	1.41E-06
4686	742028.9	4110622.79	3.09E-04	5.64E-04	3.10E-05	4.80E-05	9.24E-05	4.64E-06	4.67E-05	7.95E-05	5.90E-06	2.65E-05	4.39E-05	1.45E-06
4687	742006.5	4110627.15	3.18E-04	5.80E-04	3.19E-05	4.94E-05	9.51E-05	4.78E-06	4.80E-05	8.18E-05	6.07E-06	2.73E-05	4.51E-05	1.50E-06
4688	741984.1	4110631.52	3.26E-04	5.94E-04	3.26E-05	5.05E-05	9.73E-05	4.89E-06	4.91E-05	8.37E-05	6.21E-06	2.79E-05	4.62E-05	1.53E-06
4689	741961.69	4110635.88	3.32E-04	6.04E-04	3.32E-05	5.14E-05	9.90E-05	4.98E-06	5.00E-05	8.52E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
4690	741939.29	4110640.25	3.36E-04	6.12E-04	3.36E-05	5.21E-05	1.00E-04	5.04E-06	5.07E-05	8.64E-05	6.40E-06	2.88E-05	4.76E-05	1.58E-06
4691	741916.89	4110644.62	3.39E-04	6.19E-04	3.40E-05	5.26E-05	1.01E-04	5.10E-06	5.12E-05	8.73E-05	6.47E-06	2.91E-05	4.81E-05	1.60E-06
4692	741894.49	4110648.98	3.42E-04	6.23E-04	3.42E-05	5.30E-05	1.02E-04	5.13E-06	5.15E-05	8.78E-05	6.51E-06	2.93E-05	4.85E-05	1.61E-06
4693	741872.08	4110653.35	3.42E-04	6.24E-04	3.43E-05	5.31E-05	1.02E-04	5.14E-06	5.16E-05	8.80E-05	6.52E-06	2.93E-05	4.85E-05	1.61E-06
4694	741849.68	4110657.71	3.41E-04	6.22E-04	3.42E-05	5.29E-05	1.02E-04	5.12E-06	5.15E-05	8.78E-05	6.51E-06	2.93E-05	4.84E-05	1.60E-06
4695	741808.5	4110649.11	3.50E-04	6.38E-04	3.50E-05	5.43E-05	1.05E-04	5.25E-06	5.28E-05	9.00E-05	6.67E-06	3.00E-05	4.96E-05	1.65E-06
4696	741789.72	4110636.14	3.61E-04	6.57E-04	3.61E-05	5.59E-05	1.08E-04	5.41E-06	5.44E-05	9.27E-05	6.87E-06	3.09E-05	5.11E-05	1.69E-06
4697	741770.94	4110623.16	3.70E-04	6.75E-04	3.71E-05	5.74E-05	1.11E-04	5.56E-06	5.58E-05	9.52E-05	7.06E-06	3.17E-05	5.25E-05	1.74E-06
4698	741752.16	4110610.19	3.79E-04	6.91E-04	3.80E-05	5.88E-05	1.13E-04	5.70E-06	5.72E-05	9.75E-05	7.23E-06	3.25E-05	5.38E-05	1.78E-06
4699	741733.38	4110597.22	3.88E-04	7.07E-04	3.88E-05	6.01E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
4700	741714.6	4110584.25	3.96E-04	7.22E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.55E-06	3.39E-05	5.62E-05	1.86E-06
4701	741695.82	4110571.28	4.05E-04	7.38E-04	4.05E-05	6.28E-05	1.21E-04	6.08E-06	6.11E-05	1.04E-04	7.72E-06	3.47E-05	5.74E-05	1.90E-06
4702	741677.04	4110558.31	4.16E-04	7.58E-04	4.16E-05	6.45E-05	1.24E-04	6.24E-06	6.27E-05	1.07E-04	7.92E-06	3.56E-05	5.89E-05	1.95E-06
4703	741658.26	4110545.34	4.29E-04	7.82E-04	4.29E-05	6.65E-05	1.28E-04	6.44E-06	6.47E-05	1.10E-04	8.18E-06	3.68E-05	6.08E-05	2.02E-06
4704	741639.48	4110532.36	4.45E-04	8.11E-04	4.45E-05	6.90E-05	1.33E-04	6.68E-06	6.71E-05	1.14E-04	8.48E-06	3.81E-05	6.31E-05	2.09E-06
4705	741620.7	4110519.39	4.63E-04	8.44E-04	4.64E-05	7.19E-05	1.38E-04	6.95E-06	6.99E-05	1.19E-04	8.83E-06	3.97E-05	6.57E-05	2.18E-06
4706	741601.92	4110506.42	4.84E-04	8.82E-04	4.85E-05	7.51E-05	1.45E-04	7.27E-06	7.30E-05	1.24E-04	9.23E-06	4.15E-05	6.87E-05	2.28E-06
4707	741583.14	4110493.45	5.07E-04	9.24E-04	5.08E-05	7.87E-05	1.52E-04	7.61E-06	7.65E-05	1.30E-04	9.67E-06	4.35E-05	7.19E-05	2.38E-06
4708	741564.36	4110480.48	5.32E-04	9.69E-04	5.32E-05	8.25E-05	1.59E-04	7.98E-06	8.02E-05	1.37E-04	1.01E-05	4.56E-05	7.54E-05	2.50E-06
4709	741545.58	4110467.51	5.56E-04	1.01E-03	5.56E-05	8.62E-05	1.66E-04	8.34E-06	8.38E-05	1.43E-04	1.06E-05	4.76E-05	7.88E-05	2.61E-06
4710	741526.8	4110454.54	5.77E-04	1.05E-03	5.77E-05	8.94E-05	1.72E-04	8.66E-06	8.70E-05	1.48E-04	1.10E-05	4.94E-05	8.18E-05	2.71E-06
4711	742208.12	4110587.86	2.33E-04	4.25E-04	2.33E-05	3.62E-05	6.97E-05	3.50E-06	3.52E-05	5.99E-05	4.44E-06	2.00E-05	3.31E-05	1.10E-06
4712	742228.23	4110574.36	2.29E-04	4.18E-04	2.30E-05	3.56E-05	6.85E-05	3.44E-06	3.46E-05	5.90E-05	4.37E-06	1.97E-05	3.25E-05	1.08E-06
4713	742248.34	4110560.87	2.27E-04	4.13E-04	2.27E-05	3.52E-05	6.77E-05	3.40E-06	3.42E-05	5.83E-05	4.32E-06	1.94E-05	3.22E-05	1.07E-06
4714	742268.45	4110547.38	2.27E-04	4.13E-04	2.27E-05	3.51E-05	6.77E-05	3.40E-06	3.42E-05	5.82E-05	4.32E-06	1.94E-05	3.21E-05	1.06E-06
4715	742288.56	4110533.89	2.29E-04	4.18E-04	2.29E-05	3.56E-05	6.85E-05	3.44E-06	3.46E-05	5.90E-05	4.37E-06	1.97E-05	3.25E-05	1.08E-06
4716	742308.67	4110520.4	2.34E-04	4.27E-04	2.34E-05	3.63E-05	7.00E-05	3.52E-06	3.53E-05	6.02E-05	4.46E-06	2.01E-05	3.32E-05	1.10E-06
4717	742328.78	4110506.9	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.61E-05	6.16E-05	4.56E-06	2.05E-05	3.40E-05	1.13E-06
4718	742348.89	4110493.41	2.44E-04	4.44E-04	2.44E-05	3.78E-05	7.28E-05	3.66E-06	3.67E-05	6.26E-05	4.64E-06	2.09E-05	3.45E-05	1.14E-06
4719	742369	4110479.92	2.46E-04	4.49E-04	2.46E-05	3.82E-05	7.35E-05	3.69E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
4720	742389.11	4110466.43	2.48E-04	4.52E-04	2.48E-05	3.84E-05	7.40E-05	3.72E-06	3.74E-05	6.37E-05	4.72E-06	2.12E-05	3.51E-05	1.16E-06
4721	742409.22	4110452.93	2.50E-04	4.55E-04	2.50E-05	3.87E-05	7.46E-05	3.75E-06	3.76E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
4722	742429.33	4110439.44	2.53E-04	4.61E-04	2.53E-05	3.92E-05	7.55E-05	3.79E-06	3.81E-05	6.50E-05	4.82E-06	2.17E-05	3.58E-05	1.19E-06
4723	742449.44	4110425.95	2.57E-04	4.69E-04	2.57E-05	3.99E-05	7.69E-05	3.86E-06	3.88E-05	6.62E-05	4.90E-06	2.21E-05	3.65E-05	1.21E-06
4724	742469.55	4110412.46	2.63E-04	4.79E-04	2.63E-05	4.08E-05	7.85E-05	3.94E-06	3.96E-05	6.76E-05	5.01E-06	2.25E-05	3.73E-05	1.23E-06
4725	742218.14	4110679.81	1.86E-04	3.39E-04	1.86E-05	2.89E-05	5.57E-05	2.80E-06	2.81E-05	4.79E-05	3.55E-06	1.60E-05	2.64E-05	8.76E-07
4726	742195.29	4110684.26	1.93E-04	3.52E-04	1.93E-05	2.99E-05	5.77E-05	2.90E-06	2.91E-05	4.96E-05	3.68E-06	1.65E-05	2.74E-05	9.08E-07
4727	742172.44	4110688.71	2.00E-04	3.64E-04	2.00E-05	3.10E-05	5.96E-05	3.00E-06	3.01E-05	5.13E-05	3.80E-06	1.71E-05	2.83E-05	9.38E-07
4728	742149.58	4110693.17	2.06E-04	3.76E-04	2.06E-05	3.20E-05	6.16E-05	3.09E-06	3.11E-05	5.30E-05	3.93E-06	1.77E-05	2.92E-05	9.69E-07
4729	742126.73	4110697.62	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.19E-06	3.21E-05	5.47E-05	4.06E-06	1.82E-05	3.02E-05	1.00E-06
4730	742103.88	4110702.07	2.20E-04	4.01E-04	2.20E-05	3.41E-05	6.57E-05	3.30E-06	3.32E-05	5.66E-05	4.19E-06	1.89E-05	3.12E-05	1.03E-06
4731	742081.03	4110706.53	2.28E-04	4.15E-04	2.28E-05	3.53E-05	6.80E-05	3.42E-06	3.43E-05	5.85E-05	4.34E-06	1.95E-05	3.23E-05	1.07E-06
4732	742058.18	4110710.98	2.36E-04	4.29E-04	2.36E-05	3.65E-05	7.04E-05	3.53E-06	3.55E-05	6.05E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
4733	742035.33	4110715.43	2.43E-04	4.43E-04	2.43E-05	3.77E-05	7.26E-05	3.64E-06	3.66E-05	6.24E-05	4.63E-06	2.08E-05	3.44E-05	1.14E-06
4734	742012.48	4110719.89	2.49E-04	4.54E-04	2.49E-05	3.87E-05	7.45E-05	3.74E-06	3.76E-05	6.41E-05	4.75E-06	2.14E-05	3.53E-05	1.17E-06
4735	741989.63	4110724.34	2.55E-04	4.64E-04	2.55E-05	3.95E-05	7.61E-05	3.82E-06	3.84E-05	6.55E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
4736	741966.78	4110728.79	2.59E-04	4.73E-04	2.59E-05	4.02E-05	7.75E-05	3.89E-06	3.91E-05	6.67E-05	4.94E-06	2.22E-05	3.68E-05	1.22E-06
4737	741943.93	4110733.24	2.63E-04	4.80E-04	2.64E-05	4.08E-05	7.87E-05	3.95E-06	3.97E-05	6.77E-05	5.02E-06	2.26E-05	3.73E-05	1.24E-06
4738	741921.08	4110737.7	2.67E-04	4.86E-04	2.67E-05	4.14E-05	7.98E-05	4.01E-06	4.03E-05	6.86E-05	5.09E-06	2.29E-05	3.79E-05	1.25E-06
4739	741898.23	4110742.15	2.70E-04	4.92E-04	2.70E-05	4.18E-05	8.06E-05	4.05E-06	4.07E-05	6.94E-05	5.14E-06	2.31E-05	3.83E-05	1.27E-06
4740	741875.38	4110746.6	2.72E-04	4.95E-04	2.72E-05	4.21E-05	8.12E-05	4.08E-06	4.10E-05	6.98E-05	5.18E-06	2.33E-05	3.85E-05	1.28E-06
4741	741852.53	4110751.06	2.72E-04	4.96E-04	2.72E-05	4.22E-05	8.13E-05	4.09E-06	4.10E-05	7.00E-05	5.19E-06	2.33E-05	3.86E-05	1.28E-06
4742	741829.68	4110755.51	2.71E-04	4.95E-04	2.72E-05	4.21E-05	8.11E-05	4.07E-06	4.09E-05	6.98E-05	5.17E-06	2.33E-05	3.85E-05	1.28E-06
4743	741787.67	4110746.73	2.77E-04	5.05E-04	2.77E-05	4.29E-05	8.27E-05	4.16E-06	4.18E-05	7.12E-05	5.28E-06	2.37E-05	3.93E-05	1.30E-06
4744	741768.51	4110733.5	2.84E-04	5.17E-04	2.84E-05	4.40E-05	8.48E-05	4.26E-06	4.28E-05	7.29E-05	5.41E-06	2.43E-05	4.02E-05	1.33E-06
4745	741749.36	4110720.27	2.90E-04	5.29E-04	2.90E-05	4.50E-05	8.67E-05	4.35E-06	4.38E-05	7.46E-05	5.53E-06	2.49E-05	4.11E-05	1.36E-06
4746	741730.2	4110707.04	2.96E-04	5.39E-04	2.96E-05	4.59E-05	8.84E-05	4.44E-06	4.46E-05	7.61E-05	5.64E-06	2.54E-05	4.20E-05	1.39E-06
4747	741711.05	4110693.81	3.01E-04	5.49E-04	3.01E-05	4.67E-05	9.00E-05	4.52E-06	4.54E-05	7.74E-05	5.74E-06	2.58E-05	4.27E-05	1.42E-06
4748	741691.89	4110680.58	3.06E-04	5.57E-04	3.06E-05	4.74E-05	9.14E-05	4.59E-06	4.61E-05	7.86E-05	5.83E-06	2.62E-05	4.34E-05	1.44E-06

4749	741672.74	4110667.35	3.11E-04	5.66E-04	3.11E-05	4.82E-05	9.28E-05	4.66E-06	4.69E-05	7.99E-05	5.92E-06	2.66E-05	4.41E-05	1.46E-06
4750	741653.58	4110654.12	3.16E-04	5.76E-04	3.16E-05	4.90E-05	9.45E-05	4.75E-06	4.77E-05	8.13E-05	6.03E-06	2.71E-05	4.48E-05	1.49E-06
4751	741634.43	4110640.89	3.23E-04	5.89E-04	3.23E-05	5.01E-05	9.65E-05	4.85E-06	4.87E-05	8.30E-05	6.15E-06	2.77E-05	4.58E-05	1.52E-06
4752	741615.27	4110627.66	3.32E-04	6.04E-04	3.32E-05	5.14E-05	9.91E-05	4.98E-06	5.00E-05	8.52E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
4753	741596.12	4110614.43	3.42E-04	6.23E-04	3.42E-05	5.31E-05	1.02E-04	5.13E-06	5.16E-05	8.79E-05	6.52E-06	2.93E-05	4.85E-05	1.61E-06
4754	741576.96	4110601.19	3.54E-04	6.46E-04	3.55E-05	5.50E-05	1.06E-04	5.32E-06	5.34E-05	9.11E-05	6.75E-06	3.04E-05	5.03E-05	1.67E-06
4755	741557.81	4110587.96	3.68E-04	6.71E-04	3.69E-05	5.71E-05	1.10E-04	5.53E-06	5.56E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
4756	741538.65	4110574.73	3.84E-04	7.00E-04	3.84E-05	5.96E-05	1.15E-04	5.77E-06	5.79E-05	9.87E-05	7.32E-06	3.29E-05	5.45E-05	1.81E-06
4757	741519.49	4110561.5	4.01E-04	7.31E-04	4.02E-05	6.22E-05	1.20E-04	6.02E-06	6.05E-05	1.03E-04	7.65E-06	3.44E-05	5.69E-05	1.89E-06
4758	741500.34	4110548.27	4.19E-04	7.64E-04	4.20E-05	6.50E-05	1.25E-04	6.29E-06	6.32E-05	1.08E-04	7.99E-06	3.59E-05	5.95E-05	1.97E-06
4759	741481.18	4110535.04	4.37E-04	7.97E-04	4.37E-05	6.78E-05	1.31E-04	6.56E-06	6.59E-05	1.12E-04	8.33E-06	3.75E-05	6.20E-05	2.05E-06
4760	741462.03	4110521.81	4.54E-04	8.27E-04	4.54E-05	7.03E-05	1.36E-04	6.81E-06	6.84E-05	1.17E-04	8.64E-06	3.89E-05	6.43E-05	2.13E-06
4761	741442.87	4110508.58	4.67E-04	8.52E-04	4.68E-05	7.25E-05	1.40E-04	7.01E-06	7.05E-05	1.20E-04	8.91E-06	4.00E-05	6.63E-05	2.20E-06
4762	742263.84	4110670.9	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.09E-07
4763	742283.95	4110657.41	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.06E-05	2.54E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.40E-05	7.97E-07
4764	742304.06	4110643.91	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.20E-06	1.44E-05	2.38E-05	7.89E-07
4765	742324.17	4110630.42	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.20E-06	1.44E-05	2.38E-05	7.88E-07
4766	742344.28	4110616.93	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.40E-05	7.97E-07
4767	742364.39	4110603.44	1.73E-04	3.16E-04	1.73E-05	2.69E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.46E-05	8.14E-07
4768	742384.5	4110589.94	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.30E-05	2.66E-06	2.67E-05	4.56E-05	3.38E-06	1.52E-05	2.51E-05	8.33E-07
4769	742404.61	4110576.45	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.50E-07
4770	742424.72	4110562.96	1.84E-04	3.35E-04	1.84E-05	2.85E-05	5.49E-05	2.76E-06	2.77E-05	4.72E-05	3.50E-06	1.57E-05	2.60E-05	8.63E-07
4771	742444.83	4110549.47	1.86E-04	3.38E-04	1.86E-05	2.88E-05	5.54E-05	2.78E-06	2.80E-05	4.77E-05	3.54E-06	1.59E-05	2.63E-05	8.72E-07
4772	742464.94	4110535.98	1.87E-04	3.42E-04	1.88E-05	2.91E-05	5.60E-05	2.81E-06	2.83E-05	4.82E-05	3.57E-06	1.61E-05	2.66E-05	8.81E-07
4773	742485.05	4110522.48	1.90E-04	3.46E-04	1.90E-05	2.95E-05	5.68E-05	2.85E-06	2.87E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.93E-07
4774	742505.16	4110508.99	1.93E-04	3.53E-04	1.94E-05	3.00E-05	5.78E-05	2.90E-06	2.92E-05	4.97E-05	3.69E-06	1.66E-05	2.74E-05	9.09E-07
4775	742525.27	4110495.5	1.98E-04	3.60E-04	1.98E-05	3.06E-05	5.90E-05	2.96E-06	2.98E-05	5.08E-05	3.76E-06	1.69E-05	2.80E-05	9.28E-07
4776	742273.19	4110762.98	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.73E-07
4777	742250.01	4110767.49	1.48E-04	2.70E-04	1.48E-05	2.30E-05	4.43E-05	2.23E-06	2.24E-05	3.81E-05	2.83E-06	1.27E-05	2.10E-05	6.97E-07
4778	742226.83	4110772.01	1.53E-04	2.79E-04	1.53E-05	2.38E-05	4.58E-05	2.30E-06	2.31E-05	3.94E-05	2.92E-06	1.31E-05	2.17E-05	7.21E-07
4779	742203.64	4110776.53	1.58E-04	2.89E-04	1.58E-05	2.46E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.25E-05	7.44E-07
4780	742180.46	4110781.05	1.63E-04	2.98E-04	1.64E-05	2.54E-05	4.88E-05	2.45E-06	2.47E-05	4.20E-05	3.11E-06	1.40E-05	2.32E-05	7.68E-07
4781	742157.28	4110785.57	1.69E-04	3.07E-04	1.69E-05	2.62E-05	5.04E-05	2.53E-06	2.54E-05	4.34E-05	3.21E-06	1.45E-05	2.39E-05	7.93E-07
4782	742134.1	4110790.08	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.63E-05	4.48E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
4783	742110.92	4110794.6	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.37E-05	2.70E-06	2.71E-05	4.62E-05	3.43E-06	1.54E-05	2.55E-05	8.45E-07
4784	742087.73	4110799.12	1.86E-04	3.39E-04	1.86E-05	2.88E-05	5.55E-05	2.79E-06	2.80E-05	4.78E-05	3.54E-06	1.59E-05	2.64E-05	8.73E-07
4785	742064.55	4110803.64	1.92E-04	3.49E-04	1.92E-05	2.97E-05	5.73E-05	2.88E-06	2.89E-05	4.93E-05	3.65E-06	1.64E-05	2.72E-05	9.01E-07
4786	742041.37	4110808.15	1.97E-04	3.59E-04	1.97E-05	3.05E-05	5.88E-05	2.96E-06	2.97E-05	5.06E-05	3.75E-06	1.69E-05	2.79E-05	9.25E-07
4787	742018.19	4110812.67	2.02E-04	3.67E-04	2.02E-05	3.13E-05	6.02E-05	3.03E-06	3.04E-05	5.18E-05	3.84E-06	1.73E-05	2.86E-05	9.47E-07
4788	741995.01	4110817.19	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.14E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.66E-07
4789	741971.83	4110821.71	2.09E-04	3.81E-04	2.09E-05	3.25E-05	6.25E-05	3.14E-06	3.16E-05	5.38E-05	3.99E-06	1.79E-05	2.97E-05	9.84E-07
4790	741948.64	4110826.23	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.19E-06	3.21E-05	5.47E-05	4.05E-06	1.82E-05	3.02E-05	1.00E-06
4791	741925.46	4110830.74	2.16E-04	3.94E-04	2.16E-05	3.35E-05	6.45E-05	3.24E-06	3.26E-05	5.55E-05	4.12E-06	1.85E-05	3.06E-05	1.02E-06
4792	741902.28	4110835.26	2.19E-04	3.99E-04	2.19E-05	3.39E-05	6.54E-05	3.29E-06	3.30E-05	5.63E-05	4.17E-06	1.88E-05	3.10E-05	1.03E-06
4793	741879.1	4110839.78	2.21E-04	4.03E-04	2.21E-05	3.43E-05	6.61E-05	3.32E-06	3.34E-05	5.69E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
4794	741855.92	4110844.3	2.23E-04	4.06E-04	2.23E-05	3.45E-05	6.65E-05	3.34E-06	3.36E-05	5.72E-05	4.24E-06	1.91E-05	3.16E-05	1.05E-06
4795	741832.73	4110848.81	2.23E-04	4.07E-04	2.23E-05	3.46E-05	6.67E-05	3.35E-06	3.36E-05	5.74E-05	4.25E-06	1.91E-05	3.16E-05	1.05E-06
4796	741809.55	4110853.33	2.23E-04	4.06E-04	2.23E-05	3.45E-05	6.65E-05	3.34E-06	3.36E-05	5.72E-05	4.24E-06	1.91E-05	3.16E-05	1.05E-06
4797	741766.94	4110844.43	2.26E-04	4.13E-04	2.27E-05	3.51E-05	6.77E-05	3.40E-06	3.42E-05	5.82E-05	4.32E-06	1.94E-05	3.21E-05	1.06E-06
4798	741747.5	4110831.01	2.31E-04	4.22E-04	2.31E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.95E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
4799	741728.07	4110817.58	2.36E-04	4.30E-04	2.36E-05	3.66E-05	7.04E-05	3.54E-06	3.55E-05	6.06E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
4800	741708.64	4110804.16	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.61E-05	6.16E-05	4.57E-06	2.05E-05	3.40E-05	1.13E-06
4801	741689.21	4110790.74	2.43E-04	4.43E-04	2.43E-05	3.77E-05	7.26E-05	3.65E-06	3.67E-05	6.25E-05	4.63E-06	2.08E-05	3.45E-05	1.14E-06
4802	741669.77	4110777.31	2.46E-04	4.49E-04	2.46E-05	3.82E-05	7.36E-05	3.70E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
4803	741650.34	4110763.89	2.49E-04	4.54E-04	2.49E-05	3.86E-05	7.44E-05	3.74E-06	3.76E-05	6.40E-05	4.75E-06	2.13E-05	3.53E-05	1.17E-06
4804	741630.91	4110750.47	2.52E-04	4.59E-04	2.52E-05	3.91E-05	7.53E-05	3.78E-06	3.80E-05	6.48E-05	4.80E-06	2.16E-05	3.57E-05	1.18E-06
4805	741611.47	4110737.05	2.56E-04	4.66E-04	2.56E-05	3.96E-05	7.64E-05	3.84E-06	3.85E-05	6.57E-05	4.87E-06	2.19E-05	3.62E-05	1.20E-06
4806	741592.04	4110723.62	2.60E-04	4.74E-04	2.60E-05	4.03E-05	7.77E-05	3.90E-06	3.92E-05	6.68E-05	4.96E-06	2.23E-05	3.69E-05	1.22E-06
4807	741572.61	4110710.2	2.66E-04	4.84E-04	2.66E-05	4.12E-05	7.94E-05	3.99E-06	4.01E-05	6.83E-05	5.07E-06	2.28E-05	3.77E-05	1.25E-06
4808	741553.18	4110696.78	2.73E-04	4.98E-04	2.73E-05	4.24E-05	8.16E-05	4.10E-06	4.12E-05	7.02E-05	5.21E-06	2.34E-05	3.87E-05	1.28E-06
4809	741533.74	4110683.36	2.82E-04	5.14E-04	2.82E-05	4.37E-05	8.42E-05	4.23E-06	4.25E-05	7.25E-05	5.37E-06	2.42E-05	4.00E-05	1.32E-06
4810	741514.31	4110669.93	2.92E-04	5.32E-04	2.92E-05	4.52E-05	8.72E-05	4.38E-06	4.40E-05	7.50E-05	5.56E-06	2.50E-05	4.14E-05	1.37E-06
4811	741494.88	4110656.51	3.03E-04	5.52E-04	3.03E-05	4.69E-05	9.04E-05	4.54E-06	4.57E-05	7.78E-05	5.77E-06	2.59E-05	4.29E-05	1.42E-06
4812	741475.44	4110643.09	3.15E-04	5.73E-04	3.15E-05	4.88E-05	9.40E-05	4.72E-06	4.75E-05	8.09E-05	6.00E-06	2.70E-05	4.46E-05	1.48E-06
4813	741456.01	4110629.67	3.28E-04	5.97E-04	3.28E-05	5.08E-05	9.79E-05	4.92E-06	4.94E-05	8.42E-05	6.24E-06	2.81E-05	4.65E-05	1.54E-06
4814	741436.58	4110616.24	3.41E-04	6.22E-04	3.41E-05	5.29E-05	1.02E-04	5.12E-06	5.14E-05	8.77E-05	6.50E-06	2.92E-05	4.84E-05	1.60E-06
4815	741417.14	4110602.82	3.55E-04	6.46E-04	3.55E-05	5.50E-05	1.06E-04	5.32E-06	5.35E-05	9.12E-05	6.76E-06	3.04E-05	5.03E-05	1.67E-06
4816	741397.71	4110589.4	3.68E-04	6.70E-04	3.68E-05	5.70E-05	1.10E-04	5.52E-06	5.54E-05	9.45E-05	7.00E-06	3.15E-05	5.21E-05	1.73E-06
4817	741378.28	4110575.98	3.79E-04	6.91E-04	3.79E-05	5.88E-05	1.13E-04	5.69E-06	5.72E-05	9.74E-05	7.22E-06	3.25E-05	5.37E-05	1.78E-06
4818	741358.85	4110562.55	3.89E-04	7.08E-04	3.89E-05	6.03E-05	1.16E-04	5.84E-06	5.86E-05	9.99E-05	7.41E-06	3.33E-05	5.51E-05	1.83E-06
4819	742319.55	4110753.94	1.34E-04	2.43E-04	1.34E-05	2.07E-05	3.99E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
4820	742339.66	4110740.45	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07

4821	742359.77	4110726.96	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.90E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.14E-07
4822	742379.88	4110713.46	1.30E-04	2.38E-04	1.31E-05	2.02E-05	3.90E-05	1.96E-06	1.97E-05	3.35E-05	2.49E-06	1.12E-05	1.85E-05	6.13E-07
4823	742399.99	4110699.97	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.97E-06	1.98E-05	3.38E-05	2.51E-06	1.13E-05	1.86E-05	6.18E-07
4824	742420.1	4110686.48	1.34E-04	2.44E-04	1.34E-05	2.07E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
4825	742440.21	4110672.99	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
4826	742460.32	4110659.49	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.60E-05	2.67E-06	1.20E-05	1.99E-05	6.58E-07
4827	742480.43	4110646	1.43E-04	2.60E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.67E-05	2.72E-06	1.22E-05	2.03E-05	6.72E-07
4828	742500.54	4110632.51	1.45E-04	2.65E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.74E-05	2.77E-06	1.25E-05	2.06E-05	6.83E-07
4829	742520.65	4110619.02	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.93E-07
4830	742540.76	4110605.52	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.48E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.04E-07
4831	742560.87	4110592.03	1.53E-04	2.78E-04	1.53E-05	2.37E-05	4.56E-05	2.29E-06	2.30E-05	3.92E-05	2.91E-06	1.31E-05	2.16E-05	7.17E-07
4832	742580.98	4110578.54	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.31E-07
4833	742383.7	4110929.24	9.44E-05	1.72E-04	9.44E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.43E-05	1.80E-06	8.09E-06	1.34E-05	4.43E-07
4834	742360.07	4110933.84	9.68E-05	1.76E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
4835	742336.43	4110938.45	9.94E-05	1.81E-04	9.95E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.56E-05	1.89E-06	8.52E-06	1.41E-05	4.67E-07
4836	742312.79	4110943.06	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
4837	742289.15	4110947.66	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.59E-05	2.70E-05	2.00E-06	9.01E-06	1.49E-05	4.94E-07
4838	742265.51	4110952.27	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.24E-05	1.63E-06	1.63E-05	2.79E-05	2.06E-06	9.28E-06	1.54E-05	5.09E-07
4839	742241.87	4110956.88	1.12E-04	2.04E-04	1.12E-05	1.73E-05	3.34E-05	1.68E-06	1.68E-05	2.87E-05	2.13E-06	9.57E-06	1.58E-05	5.25E-07
4840	742218.23	4110961.48	1.15E-04	2.10E-04	1.15E-05	1.79E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.87E-06	1.63E-05	5.41E-07
4841	742194.6	4110966.09	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
4842	742170.96	4110970.7	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
4843	742147.32	4110975.31	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.23E-05	2.40E-06	1.08E-05	1.78E-05	5.91E-07
4844	742123.68	4110979.91	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.08E-07
4845	742100.04	4110984.52	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.96E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.23E-07
4846	742076.4	4110989.13	1.36E-04	2.47E-04	1.36E-05	2.11E-05	4.06E-05	2.04E-06	2.05E-05	3.49E-05	2.59E-06	1.16E-05	1.93E-05	6.38E-07
4847	742052.76	4110993.73	1.39E-04	2.53E-04	1.39E-05	2.15E-05	4.14E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.97E-05	6.52E-07
4848	742029.13	4110998.34	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
4849	742005.49	4111002.95	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.30E-05	2.16E-06	2.17E-05	3.70E-05	2.74E-06	1.23E-05	2.04E-05	6.76E-07
4850	741981.85	4111007.55	1.46E-04	2.67E-04	1.46E-05	2.27E-05	4.37E-05	2.20E-06	2.21E-05	3.76E-05	2.79E-06	1.25E-05	2.08E-05	6.88E-07
4851	741958.21	4111012.16	1.49E-04	2.71E-04	1.49E-05	2.31E-05	4.45E-05	2.23E-06	2.24E-05	3.83E-05	2.84E-06	1.28E-05	2.11E-05	6.99E-07
4852	741934.57	4111016.77	1.51E-04	2.76E-04	1.51E-05	2.35E-05	4.52E-05	2.27E-06	2.28E-05	3.89E-05	2.88E-06	1.30E-05	2.14E-05	7.11E-07
4853	741910.93	4111021.37	1.54E-04	2.80E-04	1.54E-05	2.38E-05	4.59E-05	2.31E-06	2.32E-05	3.95E-05	2.93E-06	1.32E-05	2.18E-05	7.22E-07
4854	741887.29	4111025.98	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.32E-07
4855	741863.66	4111030.59	1.57E-04	2.87E-04	1.58E-05	2.44E-05	4.70E-05	2.36E-06	2.37E-05	4.05E-05	3.00E-06	1.35E-05	2.23E-05	7.40E-07
4856	741840.02	4111035.19	1.59E-04	2.89E-04	1.59E-05	2.46E-05	4.74E-05	2.38E-06	2.39E-05	4.08E-05	3.03E-06	1.36E-05	2.25E-05	7.46E-07
4857	741816.38	4111039.8	1.60E-04	2.91E-04	1.60E-05	2.47E-05	4.77E-05	2.39E-06	2.41E-05	4.10E-05	3.04E-06	1.37E-05	2.26E-05	7.50E-07
4858	741792.74	4111044.41	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.11E-05	3.05E-06	1.37E-05	2.27E-05	7.51E-07
4859	741769.1	4111049.02	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.77E-05	2.40E-06	2.41E-05	4.10E-05	3.04E-06	1.37E-05	2.26E-05	7.50E-07
4860	741725.65	4111039.94	1.62E-04	2.96E-04	1.62E-05	2.52E-05	4.85E-05	2.44E-06	2.45E-05	4.17E-05	3.09E-06	1.39E-05	2.30E-05	7.63E-07
4861	741705.83	4111026.25	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.94E-05	2.48E-06	2.49E-05	4.25E-05	3.15E-06	1.42E-05	2.34E-05	7.77E-07
4862	741686.01	4111012.56	1.68E-04	3.06E-04	1.68E-05	2.61E-05	5.02E-05	2.52E-06	2.53E-05	4.32E-05	3.20E-06	1.44E-05	2.38E-05	7.90E-07
4863	741666.2	4110998.87	1.70E-04	3.10E-04	1.70E-05	2.64E-05	5.09E-05	2.56E-06	2.57E-05	4.38E-05	3.24E-06	1.46E-05	2.41E-05	8.00E-07
4864	741646.38	4110985.19	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.09E-07
4865	741626.57	4110971.5	1.74E-04	3.16E-04	1.74E-05	2.69E-05	5.19E-05	2.61E-06	2.62E-05	4.46E-05	3.31E-06	1.49E-05	2.46E-05	8.16E-07
4866	741606.75	4110957.81	1.75E-04	3.19E-04	1.75E-05	2.71E-05	5.22E-05	2.62E-06	2.64E-05	4.50E-05	3.33E-06	1.50E-05	2.48E-05	8.22E-07
4867	741586.94	4110944.13	1.76E-04	3.20E-04	1.76E-05	2.73E-05	5.25E-05	2.64E-06	2.65E-05	4.52E-05	3.35E-06	1.51E-05	2.49E-05	8.26E-07
4868	741567.12	4110930.44	1.77E-04	3.22E-04	1.77E-05	2.74E-05	5.28E-05	2.65E-06	2.66E-05	4.54E-05	3.37E-06	1.51E-05	2.51E-05	8.30E-07
4869	741547.3	4110916.75	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.35E-07
4870	741527.49	4110903.06	1.79E-04	3.27E-04	1.79E-05	2.78E-05	5.36E-05	2.69E-06	2.70E-05	4.61E-05	3.42E-06	1.54E-05	2.54E-05	8.42E-07
4871	741507.67	4110889.38	1.81E-04	3.31E-04	1.82E-05	2.81E-05	5.42E-05	2.72E-06	2.74E-05	4.66E-05	3.46E-06	1.55E-05	2.57E-05	8.53E-07
4872	741487.86	4110875.69	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.51E-05	2.77E-06	2.78E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.68E-07
4873	741468.04	4110862	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
4874	741448.22	4110848.32	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.11E-07
4875	741428.41	4110834.63	2.00E-04	3.64E-04	2.00E-05	3.10E-05	5.96E-05	3.00E-06	3.01E-05	5.13E-05	3.80E-06	1.71E-05	2.83E-05	9.38E-07
4876	741408.59	4110820.94	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
4877	741388.78	4110807.25	2.12E-04	3.87E-04	2.12E-05	3.29E-05	6.34E-05	3.19E-06	3.20E-05	5.46E-05	4.05E-06	1.82E-05	3.01E-05	9.98E-07
4878	741368.96	4110793.57	2.19E-04	3.99E-04	2.19E-05	3.40E-05	6.54E-05	3.29E-06	3.30E-05	5.63E-05	4.17E-06	1.88E-05	3.11E-05	1.03E-06
4879	741349.14	4110779.88	2.26E-04	4.12E-04	2.26E-05	3.51E-05	6.75E-05	3.39E-06	3.41E-05	5.81E-05	4.31E-06	1.94E-05	3.21E-05	1.06E-06
4880	741329.33	4110766.19	2.34E-04	4.26E-04	2.34E-05	3.62E-05	6.98E-05	3.51E-06	3.52E-05	6.00E-05	4.45E-06	2.00E-05	3.31E-05	1.10E-06
4881	741309.51	4110752.51	2.41E-04	4.40E-04	2.42E-05	3.74E-05	7.21E-05	3.62E-06	3.64E-05	6.21E-05	4.60E-06	2.07E-05	3.42E-05	1.13E-06
4882	741289.7	4110738.82	2.50E-04	4.55E-04	2.50E-05	3.87E-05	7.46E-05	3.75E-06	3.76E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
4883	741269.88	4110725.13	2.58E-04	4.70E-04	2.58E-05	4.00E-05	7.71E-05	3.87E-06	3.89E-05	6.63E-05	4.92E-06	2.21E-05	3.66E-05	1.21E-06
4884	741250.07	4110711.44	2.66E-04	4.85E-04	2.66E-05	4.13E-05	7.96E-05	4.00E-06	4.02E-05	6.85E-05	5.08E-06	2.28E-05	3.78E-05	1.25E-06
4885	741230.25	4110697.76	2.74E-04	4.99E-04	2.74E-05	4.25E-05	8.18E-05	4.11E-06	4.13E-05	7.04E-05	5.22E-06	2.35E-05	3.88E-05	1.29E-06
4886	741210.43	4110684.07	2.80E-04	5.11E-04	2.80E-05	4.35E-05	8.37E-05	4.21E-06	4.23E-05	7.21E-05	5.34E-06	2.40E-05	3.97E-05	1.32E-06
4887	741190.62	4110670.38	2.85E-04	5.20E-04	2.85E-05	4.42E-05	8.52E-05	4.28E-06	4.30E-05	7.33E-05	5.43E-06	2.44E-05	4.04E-05	1.34E-06
4888	742430.98	4110920.02	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
4889	742451.09	4110906.53	8.81E-05	1.60E-04	8.81E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
4890	742471.2	4110893.04	8.70E-05	1.59E-04	8.71E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.46E-06	1.23E-05	4.09E-07
4891	742491.31	4110879.55	8.65E-05	1.58E-04	8.65E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.65E-06	7.41E-06	1.23E-05	4.06E-07
4892	742511.42	4110866.05	8.66E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.42E-06	1.23E-05	4.07E-07

4893	742531.53	4110852.56	8.76E-05	1.60E-04	8.77E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.25E-05	1.67E-06	7.51E-06	1.24E-05	4.12E-07
4894	742551.64	4110839.07	8.94E-05	1.63E-04	8.95E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.66E-06	1.27E-05	4.20E-07
4895	742571.75	4110825.58	9.18E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
4896	742591.86	4110812.08	9.45E-05	1.72E-04	9.45E-06	1.47E-05	2.82E-05	1.42E-06	1.42E-05	2.43E-05	1.80E-06	8.10E-06	1.34E-05	4.44E-07
4897	742611.97	4110798.59	9.71E-05	1.77E-04	9.72E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.50E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
4898	742632.08	4110785.1	9.96E-05	1.81E-04	9.96E-06	1.54E-05	2.98E-05	1.49E-06	1.50E-05	2.56E-05	1.90E-06	8.53E-06	1.41E-05	4.68E-07
4899	742652.19	4110771.61	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
4900	742672.3	4110758.12	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4901	742692.41	4110744.62	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.17E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.08E-06	1.50E-05	4.98E-07
4902	742519.14	4111090.64	6.63E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.68E-06	9.41E-06	3.12E-07
4903	742495.86	4111095.18	6.80E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.64E-06	3.19E-07
4904	742472.59	4111099.71	6.95E-05	1.27E-04	6.95E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.95E-06	9.85E-06	3.27E-07
4905	742449.32	4111104.25	7.10E-05	1.29E-04	7.10E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.82E-05	1.35E-06	6.08E-06	1.01E-05	3.34E-07
4906	742426.04	4111108.78	7.25E-05	1.32E-04	7.25E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.40E-07
4907	742402.77	4111113.32	7.40E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.34E-06	1.05E-05	3.48E-07
4908	742379.49	4111117.86	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
4909	742356.22	4111122.39	7.77E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
4910	742332.95	4111126.93	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.39E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
4911	742309.67	4111131.46	8.21E-05	1.50E-04	8.21E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.03E-06	1.16E-05	3.86E-07
4912	742286.4	4111136	8.44E-05	1.54E-04	8.45E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.24E-06	1.20E-05	3.97E-07
4913	742263.13	4111140.54	8.68E-05	1.58E-04	8.69E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
4914	742239.85	4111145.07	8.92E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.19E-07
4915	742216.58	4111149.61	9.16E-05	1.67E-04	9.17E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.85E-06	1.30E-05	4.31E-07
4916	742193.3	4111154.14	9.40E-05	1.71E-04	9.40E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.05E-06	1.33E-05	4.42E-07
4917	742170.03	4111158.68	9.62E-05	1.75E-04	9.62E-06	1.49E-05	2.87E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.24E-06	1.36E-05	4.52E-07
4918	742146.76	4111163.21	9.82E-05	1.79E-04	9.83E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.42E-06	1.39E-05	4.62E-07
4919	742123.48	4111167.75	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.58E-06	1.42E-05	4.70E-07
4920	742100.21	4111172.29	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.53E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
4921	742076.93	4111176.82	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
4922	742053.66	4111181.36	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.58E-05	2.70E-05	2.00E-06	8.99E-06	1.49E-05	4.93E-07
4923	742030.39	4111185.89	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
4924	742007.11	4111190.43	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.28E-06	1.53E-05	5.09E-07
4925	741983.84	4111194.96	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.29E-05	1.65E-06	1.66E-05	2.83E-05	2.10E-06	9.43E-06	1.56E-05	5.17E-07
4926	741960.57	4111199.5	1.12E-04	2.04E-04	1.12E-05	1.74E-05	3.34E-05	1.68E-06	1.69E-05	2.88E-05	2.13E-06	9.59E-06	1.59E-05	5.26E-07
4927	741937.29	4111204.04	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.40E-05	1.71E-06	1.71E-05	2.92E-05	2.17E-06	9.74E-06	1.61E-05	5.34E-07
4928	741914.02	4111208.57	1.15E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.89E-06	1.64E-05	5.43E-07
4929	741890.74	4111213.11	1.17E-04	2.13E-04	1.17E-05	1.82E-05	3.50E-05	1.76E-06	1.77E-05	3.01E-05	2.23E-06	1.00E-05	1.66E-05	5.50E-07
4930	741867.47	4111217.64	1.18E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
4931	741844.2	4111222.18	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.57E-05	1.80E-06	1.80E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.62E-07
4932	741820.92	4111226.71	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.60E-05	1.81E-06	1.82E-05	3.10E-05	2.30E-06	1.03E-05	1.71E-05	5.67E-07
4933	741797.65	4111231.25	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.62E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
4934	741774.38	4111235.79	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.83E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.72E-07
4935	741751.1	4111240.32	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.73E-07
4936	741727.83	4111244.86	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.72E-07
4937	741685.04	4111235.92	1.24E-04	2.25E-04	1.24E-05	1.92E-05	3.70E-05	1.86E-06	1.87E-05	3.18E-05	2.36E-06	1.06E-05	1.75E-05	5.81E-07
4938	741665.53	4111222.44	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.23E-05	2.40E-06	1.08E-05	1.78E-05	5.91E-07
4939	741646.02	4111208.97	1.28E-04	2.33E-04	1.28E-05	1.98E-05	3.81E-05	1.92E-06	1.93E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	6.00E-07
4940	741626.51	4111195.49	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
4941	741607	4111182.01	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.15E-07
4942	741587.49	4111168.54	1.32E-04	2.40E-04	1.32E-05	2.05E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.20E-07
4943	741567.98	4111155.06	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.42E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
4944	741548.47	4111141.59	1.33E-04	2.43E-04	1.34E-05	2.07E-05	3.99E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
4945	741528.96	4111128.11	1.34E-04	2.44E-04	1.34E-05	2.07E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
4946	741509.45	4111114.64	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
4947	741489.94	4111101.16	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.30E-07
4948	741470.43	4111087.68	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.30E-07
4949	741450.92	4111074.21	1.34E-04	2.45E-04	1.35E-05	2.08E-05	4.02E-05	2.02E-06	2.03E-05	3.46E-05	2.56E-06	1.15E-05	1.91E-05	6.32E-07
4950	741431.41	4111060.73	1.35E-04	2.46E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.36E-07
4951	741411.9	4111047.26	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.94E-05	6.42E-07
4952	741392.39	4111033.78	1.39E-04	2.53E-04	1.39E-05	2.15E-05	4.15E-05	2.08E-06	2.09E-05	3.57E-05	2.65E-06	1.19E-05	1.97E-05	6.53E-07
4953	741372.88	4111020.3	1.42E-04	2.58E-04	1.42E-05	2.20E-05	4.23E-05	2.13E-06	2.14E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.66E-07
4954	741353.37	4111006.83	1.45E-04	2.65E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.73E-05	2.77E-06	1.24E-05	2.06E-05	6.83E-07
4955	741333.86	4110993.35	1.49E-04	2.72E-04	1.49E-05	2.31E-05	4.46E-05	2.24E-06	2.25E-05	3.84E-05	2.84E-06	1.28E-05	2.12E-05	7.01E-07
4956	741314.35	4110979.88	1.53E-04	2.80E-04	1.54E-05	2.38E-05	4.59E-05	2.30E-06	2.31E-05	3.95E-05	2.92E-06	1.32E-05	2.18E-05	7.21E-07
4957	741294.84	4110966.4	1.58E-04	2.87E-04	1.58E-05	2.45E-05	4.71E-05	2.37E-06	2.38E-05	4.05E-05	3.01E-06	1.35E-05	2.24E-05	7.41E-07
4958	741275.33	4110952.92	1.62E-04	2.95E-04	1.62E-05	2.51E-05	4.83E-05	2.43E-06	2.44E-05	4.16E-05	3.08E-06	1.39E-05	2.29E-05	7.61E-07
4959	741255.82	4110939.45	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
4960	741236.31	4110925.97	1.70E-04	3.10E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.37E-05	3.24E-06	1.46E-05	2.41E-05	7.98E-07
4961	741216.8	4110912.5	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.31E-06	1.49E-05	2.47E-05	8.18E-07
4962	741197.29	4110899.02	1.78E-04	3.25E-04	1.79E-05	2.77E-05	5.33E-05	2.68E-06	2.69E-05	4.59E-05	3.40E-06	1.53E-05	2.53E-05	8.39E-07
4963	741177.78	4110885.55	1.83E-04	3.34E-04	1.83E-05	2.84E-05	5.48E-05	2.75E-06	2.77E-05	4.71E-05	3.49E-06	1.57E-05	2.60E-05	8.62E-07
4964	741158.27	4110872.07	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07

4965	741138.76	4110858.59	1.94E-04	3.54E-04	1.95E-05	3.02E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.71E-06	1.67E-05	2.76E-05	9.14E-07
4966	741119.25	4110845.12	2.00E-04	3.65E-04	2.00E-05	3.10E-05	5.98E-05	3.01E-06	3.02E-05	5.15E-05	3.82E-06	1.72E-05	2.84E-05	9.41E-07
4967	741099.74	4110831.64	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
4968	741080.23	4110818.17	2.11E-04	3.84E-04	2.11E-05	3.27E-05	6.30E-05	3.16E-06	3.18E-05	5.42E-05	4.02E-06	1.81E-05	2.99E-05	9.90E-07
4969	741060.72	4110804.69	2.15E-04	3.91E-04	2.15E-05	3.33E-05	6.42E-05	3.22E-06	3.24E-05	5.52E-05	4.09E-06	1.84E-05	3.05E-05	1.01E-06
4970	741041.21	4110791.21	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.51E-05	3.27E-06	3.29E-05	5.61E-05	4.15E-06	1.87E-05	3.09E-05	1.02E-06
4971	741021.7	4110777.74	2.20E-04	4.01E-04	2.20E-05	3.41E-05	6.58E-05	3.30E-06	3.32E-05	5.66E-05	4.19E-06	1.89E-05	3.12E-05	1.03E-06
4972	742542.41	4111086.11	6.47E-05	1.18E-04	6.48E-06	1.00E-05	1.93E-05	9.71E-07	9.76E-06	1.66E-05	1.23E-06	5.55E-06	9.18E-06	3.04E-07
4973	742562.52	4111072.61	6.39E-05	1.16E-04	6.39E-06	9.91E-06	1.91E-05	9.59E-07	9.64E-06	1.64E-05	1.22E-06	5.48E-06	9.06E-06	3.00E-07
4974	742582.63	4111059.12	6.32E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.20E-06	5.42E-06	8.97E-06	2.97E-07
4975	742602.74	4111045.63	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.43E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
4976	742622.85	4111032.14	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.44E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
4977	742642.96	4111018.64	6.34E-05	1.15E-04	6.34E-06	9.83E-06	1.89E-05	9.51E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.98E-06	2.98E-07
4978	742663.07	4111005.15	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.71E-06	1.65E-05	1.23E-06	5.52E-06	9.13E-06	3.03E-07
4979	742683.18	4110991.66	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
4980	742703.29	4110978.17	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
4981	742723.4	4110964.68	6.98E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.98E-06	9.90E-06	3.28E-07
4982	742743.51	4110951.18	7.21E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
4983	742763.62	4110937.69	7.43E-05	1.35E-04	7.43E-06	1.15E-05	2.22E-05	1.11E-06	1.12E-05	1.91E-05	1.42E-06	6.36E-06	1.05E-05	3.49E-07
4984	742783.73	4110924.2	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.15E-06	1.15E-05	1.96E-05	1.45E-06	6.54E-06	1.08E-05	3.59E-07
4985	742803.84	4110910.71	7.82E-05	1.42E-04	7.82E-06	1.21E-05	2.34E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.67E-07
4986	742630.26	4111256.78	5.10E-05	9.29E-05	5.10E-06	7.90E-06	1.52E-05	7.65E-07	7.68E-06	1.31E-05	9.71E-07	4.37E-06	7.23E-06	2.39E-07
4987	742606.69	4111261.38	5.20E-05	9.47E-05	5.20E-06	8.06E-06	1.55E-05	7.80E-07	7.84E-06	1.34E-05	9.90E-07	4.45E-06	7.37E-06	2.44E-07
4988	742583.11	4111265.97	5.29E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.95E-07	7.98E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
4989	742559.54	4111270.57	5.39E-05	9.82E-05	5.39E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
4990	742535.96	4111275.16	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.27E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
4991	742512.38	4111279.76	5.58E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.38E-07	8.42E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.62E-07
4992	742488.81	4111284.35	5.69E-05	1.04E-04	5.69E-06	8.82E-06	1.70E-05	8.54E-07	8.58E-06	1.46E-05	1.08E-06	4.88E-06	8.07E-06	2.67E-07
4993	742465.23	4111288.95	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.23E-06	2.73E-07
4994	742441.66	4111293.54	5.94E-05	1.08E-04	5.95E-06	9.22E-06	1.78E-05	8.92E-07	8.96E-06	1.53E-05	1.13E-06	5.09E-06	8.43E-06	2.79E-07
4995	742418.08	4111298.14	6.09E-05	1.11E-04	6.10E-06	9.45E-06	1.82E-05	9.14E-07	9.19E-06	1.57E-05	1.16E-06	5.22E-06	8.64E-06	2.86E-07
4996	742394.5	4111302.73	6.26E-05	1.14E-04	6.26E-06	9.70E-06	1.87E-05	9.39E-07	9.43E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
4997	742370.93	4111307.32	6.43E-05	1.17E-04	6.43E-06	9.97E-06	1.92E-05	9.65E-07	9.70E-06	1.65E-05	1.23E-06	5.51E-06	9.12E-06	3.02E-07
4998	742347.35	4111311.92	6.61E-05	1.20E-04	6.61E-06	1.03E-05	1.97E-05	9.92E-07	9.97E-06	1.70E-05	1.26E-06	5.66E-06	9.37E-06	3.11E-07
4999	742323.78	4111316.51	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
5000	742300.2	4111321.11	6.97E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.97E-06	9.88E-06	3.28E-07
5001	742276.62	4111325.7	7.15E-05	1.30E-04	7.15E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.13E-06	1.01E-05	3.36E-07
5002	742253.05	4111330.3	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
5003	742229.47	4111334.89	7.48E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.43E-06	6.41E-06	1.06E-05	3.51E-07
5004	742205.9	4111339.49	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.53E-06	1.08E-05	3.58E-07
5005	742182.32	4111344.08	7.76E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
5006	742158.74	4111348.68	7.87E-05	1.43E-04	7.88E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
5007	742135.17	4111353.27	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
5008	742111.59	4111357.87	8.07E-05	1.47E-04	8.07E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.07E-05	1.54E-06	6.91E-06	1.14E-05	3.79E-07
5009	742088.01	4111362.46	8.16E-05	1.49E-04	8.16E-06	1.27E-05	2.44E-05	1.22E-06	1.23E-05	2.10E-05	1.55E-06	6.99E-06	1.16E-05	3.83E-07
5010	742064.44	4111367.06	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
5011	742040.86	4111371.65	8.36E-05	1.52E-04	8.37E-06	1.30E-05	2.50E-05	1.26E-06	1.26E-05	2.15E-05	1.59E-06	7.17E-06	1.19E-05	3.93E-07
5012	742017.29	4111376.25	8.48E-05	1.55E-04	8.49E-06	1.32E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
5013	741993.71	4111380.84	8.62E-05	1.57E-04	8.62E-06	1.34E-05	2.58E-05	1.29E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.05E-07
5014	741970.13	4111385.43	8.76E-05	1.60E-04	8.77E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.25E-05	1.67E-06	7.51E-06	1.24E-05	4.12E-07
5015	741946.56	4111390.03	8.91E-05	1.62E-04	8.92E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.63E-06	1.26E-05	4.19E-07
5016	741922.98	4111394.62	9.05E-05	1.65E-04	9.06E-06	1.40E-05	2.70E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.76E-06	1.28E-05	4.25E-07
5017	741899.41	4111399.22	9.19E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
5018	741875.83	4111403.81	9.31E-05	1.70E-04	9.32E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.98E-06	1.32E-05	4.38E-07
5019	741852.25	4111408.41	9.42E-05	1.72E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.07E-06	1.34E-05	4.43E-07
5020	741828.68	4111413	9.51E-05	1.73E-04	9.51E-06	1.47E-05	2.84E-05	1.43E-06	1.43E-05	2.44E-05	1.81E-06	8.15E-06	1.35E-05	4.47E-07
5021	741805.1	4111417.6	9.58E-05	1.75E-04	9.59E-06	1.49E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.83E-06	8.21E-06	1.36E-05	4.50E-07
5022	741781.53	4111422.19	9.63E-05	1.76E-04	9.64E-06	1.49E-05	2.88E-05	1.45E-06	1.45E-05	2.48E-05	1.84E-06	8.26E-06	1.37E-05	4.53E-07
5023	741757.95	4111426.79	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
5024	741734.37	4111431.38	9.70E-05	1.77E-04	9.70E-06	1.50E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.31E-06	1.37E-05	4.56E-07
5025	741710.8	4111435.98	9.70E-05	1.77E-04	9.71E-06	1.50E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
5026	741687.22	4111440.57	9.70E-05	1.77E-04	9.71E-06	1.50E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.31E-06	1.38E-05	4.56E-07
5027	741643.88	4111431.51	9.84E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.88E-06	8.43E-06	1.40E-05	4.62E-07
5028	741624.12	4111417.86	9.99E-05	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.70E-07
5029	741604.36	4111404.21	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.76E-07
5030	741584.59	4111390.56	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.07E-05	1.54E-06	1.55E-05	2.64E-05	1.96E-06	8.80E-06	1.46E-05	4.83E-07
5031	741564.83	4111376.91	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
5032	741545.07	4111363.26	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.58E-05	2.70E-05	2.00E-06	8.99E-06	1.49E-05	4.93E-07
5033	741525.3	4111349.61	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.07E-06	1.50E-05	4.97E-07
5034	741505.54	4111335.96	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
5035	741485.77	4111322.31	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.61E-05	2.75E-05	2.04E-06	9.17E-06	1.52E-05	5.03E-07
5036	741466.01	4111308.66	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.04E-07

5037	741446.25	4111295.01	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.03E-07
5038	741426.48	4111281.35	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.19E-05	1.60E-06	1.61E-05	2.75E-05	2.04E-06	9.16E-06	1.52E-05	5.02E-07
5039	741406.72	4111267.7	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
5040	741386.96	4111254.05	1.06E-04	1.94E-04	1.06E-05	1.65E-05	3.17E-05	1.60E-06	1.60E-05	2.73E-05	2.03E-06	9.11E-06	1.51E-05	4.99E-07
5041	741367.19	4111240.4	1.06E-04	1.93E-04	1.06E-05	1.65E-05	3.17E-05	1.59E-06	1.60E-05	2.73E-05	2.02E-06	9.10E-06	1.51E-05	4.99E-07
5042	741347.43	4111226.75	1.06E-04	1.94E-04	1.06E-05	1.65E-05	3.18E-05	1.60E-06	1.60E-05	2.73E-05	2.03E-06	9.12E-06	1.51E-05	5.00E-07
5043	741327.67	4111213.1	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.61E-05	2.75E-05	2.04E-06	9.17E-06	1.52E-05	5.03E-07
5044	741307.9	4111199.45	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.24E-05	1.63E-06	1.63E-05	2.79E-05	2.07E-06	9.29E-06	1.54E-05	5.09E-07
5045	741288.14	4111185.8	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.66E-05	2.84E-05	2.10E-06	9.45E-06	1.56E-05	5.18E-07
5046	741268.38	4111172.15	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.67E-06	1.60E-05	5.30E-07
5047	741248.61	4111158.5	1.16E-04	2.11E-04	1.16E-05	1.80E-05	3.46E-05	1.74E-06	1.75E-05	2.98E-05	2.21E-06	9.92E-06	1.64E-05	5.44E-07
5048	741228.85	4111144.85	1.19E-04	2.17E-04	1.19E-05	1.85E-05	3.56E-05	1.79E-06	1.79E-05	3.06E-05	2.27E-06	1.02E-05	1.69E-05	5.59E-07
5049	741209.09	4111131.2	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.84E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.75E-07
5050	741189.32	4111117.54	1.25E-04	2.29E-04	1.25E-05	1.94E-05	3.75E-05	1.88E-06	1.89E-05	3.22E-05	2.39E-06	1.07E-05	1.78E-05	5.89E-07
5051	741169.56	4111103.89	1.28E-04	2.34E-04	1.28E-05	1.99E-05	3.83E-05	1.93E-06	1.93E-05	3.30E-05	2.44E-06	1.10E-05	1.82E-05	6.03E-07
5052	741149.8	4111090.24	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.86E-05	6.15E-07
5053	741130.03	4111076.59	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.98E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
5054	741110.27	4111062.94	1.36E-04	2.47E-04	1.36E-05	2.11E-05	4.06E-05	2.04E-06	2.05E-05	3.49E-05	2.59E-06	1.16E-05	1.93E-05	6.38E-07
5055	741090.51	4111049.29	1.38E-04	2.52E-04	1.38E-05	2.15E-05	4.13E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.50E-07
5056	741070.74	4111035.64	1.41E-04	2.58E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
5057	741050.98	4111021.99	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
5058	741031.22	4111008.34	1.48E-04	2.70E-04	1.48E-05	2.30E-05	4.43E-05	2.23E-06	2.24E-05	3.81E-05	2.83E-06	1.27E-05	2.10E-05	6.97E-07
5059	741011.45	4110994.69	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
5060	740991.69	4110981.04	1.57E-04	2.85E-04	1.57E-05	2.43E-05	4.68E-05	2.35E-06	2.36E-05	4.03E-05	2.98E-06	1.34E-05	2.22E-05	7.36E-07
5061	740971.92	4110967.38	1.61E-04	2.93E-04	1.61E-05	2.50E-05	4.81E-05	2.41E-06	2.43E-05	4.14E-05	3.07E-06	1.38E-05	2.28E-05	7.56E-07
5062	740952.16	4110953.73	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.75E-07
5063	740932.4	4110940.08	1.69E-04	3.07E-04	1.69E-05	2.61E-05	5.04E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.92E-07
5064	740912.63	4110926.43	1.72E-04	3.13E-04	1.72E-05	2.66E-05	5.13E-05	2.58E-06	2.59E-05	4.41E-05	3.27E-06	1.47E-05	2.43E-05	8.06E-07
5065	740892.87	4110912.78	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.31E-06	1.49E-05	2.47E-05	8.17E-07
5066	740873.11	4110899.13	1.75E-04	3.20E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.49E-05	8.24E-07
5067	740853.34	4110885.48	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.26E-05	2.64E-06	2.66E-05	4.53E-05	3.36E-06	1.51E-05	2.50E-05	8.27E-07
5068	742653.84	4111252.19	5.00E-05	9.11E-05	5.00E-06	7.75E-06	1.49E-05	7.50E-07	7.54E-06	1.29E-05	9.53E-07	4.28E-06	7.09E-06	2.35E-07
5069	742673.95	4111238.7	4.95E-05	9.03E-05	4.96E-06	7.68E-06	1.48E-05	7.44E-07	7.47E-06	1.27E-05	9.44E-07	4.25E-06	7.03E-06	2.33E-07
5070	742694.06	4111225.2	4.91E-05	8.96E-05	4.92E-06	7.62E-06	1.47E-05	7.38E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.97E-06	2.31E-07
5071	742714.17	4111211.71	4.89E-05	8.90E-05	4.89E-06	7.58E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
5072	742734.28	4111198.22	4.88E-05	8.88E-05	4.88E-06	7.56E-06	1.46E-05	7.32E-07	7.35E-06	1.25E-05	9.29E-07	4.18E-06	6.91E-06	2.29E-07
5073	742754.39	4111184.73	4.89E-05	8.91E-05	4.89E-06	7.58E-06	1.46E-05	7.34E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
5074	742774.5	4111171.23	4.93E-05	8.99E-05	4.93E-06	7.65E-06	1.47E-05	7.40E-07	7.44E-06	1.27E-05	9.40E-07	4.23E-06	6.99E-06	2.32E-07
5075	742794.61	4111157.74	5.01E-05	9.13E-05	5.01E-06	7.77E-06	1.50E-05	7.52E-07	7.55E-06	1.29E-05	9.55E-07	4.29E-06	7.10E-06	2.35E-07
5076	742814.72	4111144.25	5.13E-05	9.34E-05	5.13E-06	7.95E-06	1.53E-05	7.69E-07	7.73E-06	1.32E-05	9.77E-07	4.39E-06	7.27E-06	2.41E-07
5077	742834.83	4111130.76	5.28E-05	9.61E-05	5.28E-06	8.18E-06	1.58E-05	7.92E-07	7.96E-06	1.36E-05	1.01E-06	4.52E-06	7.48E-06	2.48E-07
5078	742854.94	4111117.27	5.45E-05	9.93E-05	5.45E-06	8.45E-06	1.63E-05	8.18E-07	8.22E-06	1.40E-05	1.04E-06	4.67E-06	7.73E-06	2.56E-07
5079	742875.05	4111103.77	5.64E-05	1.03E-04	5.65E-06	8.75E-06	1.69E-05	8.47E-07	8.51E-06	1.45E-05	1.08E-06	4.84E-06	8.00E-06	2.65E-07
5080	742895.16	4111090.28	5.84E-05	1.06E-04	5.84E-06	9.05E-06	1.74E-05	8.76E-07	8.80E-06	1.50E-05	1.11E-06	5.00E-06	8.28E-06	2.74E-07
5081	742915.27	4111076.79	6.03E-05	1.10E-04	6.03E-06	9.34E-06	1.80E-05	9.04E-07	9.09E-06	1.55E-05	1.15E-06	5.16E-06	8.54E-06	2.83E-07
5082	742741.95	4111422.82	4.12E-05	7.50E-05	4.12E-06	6.39E-06	1.23E-05	6.18E-07	6.21E-06	1.06E-05	7.85E-07	3.53E-06	5.84E-06	1.94E-07
5083	742718.64	4111427.36	4.18E-05	7.61E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.96E-07	3.58E-06	5.92E-06	1.96E-07
5084	742695.32	4111431.9	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.63E-06	6.00E-06	1.99E-07
5085	742672	4111436.45	4.29E-05	7.81E-05	4.29E-06	6.65E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.17E-07	3.67E-06	6.08E-06	2.01E-07
5086	742648.68	4111440.99	4.34E-05	7.91E-05	4.34E-06	6.73E-06	1.30E-05	6.51E-07	6.54E-06	1.12E-05	8.27E-07	3.72E-06	6.15E-06	2.04E-07
5087	742625.37	4111445.54	4.40E-05	8.01E-05	4.40E-06	6.82E-06	1.31E-05	6.60E-07	6.63E-06	1.13E-05	8.38E-07	3.77E-06	6.23E-06	2.07E-07
5088	742602.05	4111450.08	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
5089	742578.73	4111454.63	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
5090	742555.42	4111459.17	4.60E-05	8.39E-05	4.61E-06	7.14E-06	1.38E-05	6.91E-07	6.94E-06	1.18E-05	8.77E-07	3.95E-06	6.53E-06	2.16E-07
5091	742532.1	4111463.71	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.02E-06	6.66E-06	2.21E-07
5092	742508.78	4111468.26	4.80E-05	8.75E-05	4.80E-06	7.45E-06	1.43E-05	7.21E-07	7.24E-06	1.23E-05	9.15E-07	4.11E-06	6.81E-06	2.26E-07
5093	742485.47	4111472.8	4.92E-05	8.97E-05	4.92E-06	7.63E-06	1.47E-05	7.38E-07	7.42E-06	1.26E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
5094	742462.15	4111477.35	5.05E-05	9.20E-05	5.05E-06	7.83E-06	1.51E-05	7.58E-07	7.61E-06	1.30E-05	9.62E-07	4.33E-06	7.16E-06	2.37E-07
5095	742438.83	4111481.89	5.19E-05	9.45E-05	5.19E-06	8.04E-06	1.55E-05	7.79E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.36E-06	2.44E-07
5096	742415.51	4111486.43	5.33E-05	9.71E-05	5.33E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.50E-07
5097	742392.2	4111490.98	5.47E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
5098	742368.88	4111495.52	5.62E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.81E-06	7.97E-06	2.64E-07
5099	742345.56	4111500.07	5.76E-05	1.05E-04	5.76E-06	8.93E-06	1.72E-05	8.64E-07	8.68E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.71E-07
5100	742322.25	4111504.61	5.89E-05	1.07E-04	5.90E-06	9.14E-06	1.76E-05	8.84E-07	8.89E-06	1.51E-05	1.12E-06	5.05E-06	8.35E-06	2.77E-07
5101	742298.93	4111509.16	6.02E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.08E-06	1.55E-05	1.15E-06	5.16E-06	8.53E-06	2.83E-07
5102	742275.61	4111513.7	6.13E-05	1.12E-04	6.14E-06	9.51E-06	1.83E-05	9.21E-07	9.25E-06	1.58E-05	1.17E-06	5.26E-06	8.70E-06	2.88E-07
5103	742252.3	4111518.24	6.24E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
5104	742228.98	4111522.79	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
5105	742205.66	4111527.33	6.41E-05	1.17E-04	6.41E-06	9.94E-06	1.91E-05	9.62E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5106	742182.34	4111531.88	6.47E-05	1.18E-04	6.48E-06	1.00E-05	1.93E-05	9.71E-07	9.76E-06	1.66E-05	1.23E-06	5.55E-06	9.18E-06	3.04E-07
5107	742159.03	4111536.42	6.52E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.79E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.25E-06	3.07E-07
5108	742135.71	4111540.96	6.57E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.91E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07

5109	742112.39	4111545.51	6.63E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.68E-06	9.40E-06	3.11E-07
5110	742089.08	4111550.05	6.68E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
5111	742065.76	4111554.6	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
5112	742042.44	4111559.14	6.83E-05	1.24E-04	6.84E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.85E-06	9.69E-06	3.21E-07
5113	742019.13	4111563.69	6.92E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.93E-06	9.82E-06	3.25E-07
5114	741995.81	4111568.23	7.03E-05	1.28E-04	7.03E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.81E-05	1.34E-06	6.02E-06	9.96E-06	3.30E-07
5115	741972.49	4111572.77	7.14E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.83E-05	1.36E-06	6.12E-06	1.01E-05	3.35E-07
5116	741949.18	4111577.32	7.25E-05	1.32E-04	7.26E-06	1.12E-05	2.17E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
5117	741925.86	4111581.86	7.37E-05	1.34E-04	7.37E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.89E-05	1.40E-06	6.31E-06	1.04E-05	3.46E-07
5118	741902.54	4111586.41	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
5119	741879.22	4111590.95	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
5120	741855.91	4111595.49	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
5121	741832.59	4111600.04	7.74E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.63E-06	1.10E-05	3.64E-07
5122	741809.27	4111604.58	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
5123	741785.96	4111609.13	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
5124	741762.64	4111613.67	7.91E-05	1.44E-04	7.91E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.77E-06	1.12E-05	3.72E-07
5125	741739.32	4111618.22	7.94E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
5126	741716.01	4111622.76	7.96E-05	1.45E-04	7.97E-06	1.23E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
5127	741692.69	4111627.3	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
5128	741669.37	4111631.85	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
5129	741646.05	4111636.39	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
5130	741603.19	4111627.44	8.08E-05	1.47E-04	8.09E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
5131	741583.65	4111613.94	8.19E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
5132	741564.1	4111600.43	8.30E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.25E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
5133	741544.55	4111586.93	8.40E-05	1.53E-04	8.40E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.19E-06	1.19E-05	3.95E-07
5134	741525.01	4111573.43	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
5135	741505.46	4111559.93	8.58E-05	1.56E-04	8.59E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.03E-07
5136	741485.91	4111546.43	8.67E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.07E-07
5137	741466.37	4111532.93	8.74E-05	1.59E-04	8.74E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
5138	741446.82	4111519.43	8.80E-05	1.60E-04	8.81E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
5139	741427.27	4111505.93	8.85E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.69E-06	7.58E-06	1.25E-05	4.16E-07
5140	741407.73	4111492.43	8.87E-05	1.62E-04	8.88E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
5141	741388.18	4111478.93	8.88E-05	1.62E-04	8.89E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.61E-06	1.26E-05	4.17E-07
5142	741368.64	4111465.43	8.87E-05	1.62E-04	8.87E-06	1.37E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
5143	741349.09	4111451.92	8.83E-05	1.61E-04	8.84E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
5144	741329.54	4111438.42	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
5145	741310	4111424.92	8.74E-05	1.59E-04	8.74E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
5146	741290.45	4111411.42	8.70E-05	1.58E-04	8.70E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.45E-06	1.23E-05	4.09E-07
5147	741270.9	4111397.92	8.68E-05	1.58E-04	8.68E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
5148	741251.36	4111384.42	8.69E-05	1.58E-04	8.70E-06	1.35E-05	2.60E-05	1.30E-06	1.31E-05	2.23E-05	1.66E-06	7.45E-06	1.23E-05	4.08E-07
5149	741231.81	4111370.92	8.75E-05	1.59E-04	8.75E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
5150	741212.27	4111357.42	8.85E-05	1.61E-04	8.86E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.69E-06	7.58E-06	1.25E-05	4.16E-07
5151	741192.72	4111343.92	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.71E-06	1.28E-05	4.23E-07
5152	741173.17	4111330.42	9.20E-05	1.68E-04	9.20E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.88E-06	1.30E-05	4.32E-07
5153	741153.63	4111316.92	9.43E-05	1.72E-04	9.44E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.42E-05	1.80E-06	8.08E-06	1.34E-05	4.43E-07
5154	741134.08	4111303.42	9.69E-05	1.76E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
5155	741114.53	4111289.91	9.95E-05	1.81E-04	9.95E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.56E-05	1.90E-06	8.52E-06	1.41E-05	4.67E-07
5156	741094.99	4111276.41	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.74E-06	1.45E-05	4.79E-07
5157	741075.44	4111262.91	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.56E-06	1.57E-05	2.68E-05	1.99E-06	8.93E-06	1.48E-05	4.90E-07
5158	741055.9	4111249.41	1.06E-04	1.94E-04	1.06E-05	1.65E-05	3.18E-05	1.60E-06	1.60E-05	2.73E-05	2.03E-06	9.11E-06	1.51E-05	5.00E-07
5159	741036.35	4111235.91	1.08E-04	1.97E-04	1.08E-05	1.67E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.25E-06	1.53E-05	5.07E-07
5160	741016.8	4111222.41	1.10E-04	2.00E-04	1.10E-05	1.70E-05	3.27E-05	1.64E-06	1.65E-05	2.82E-05	2.09E-06	9.39E-06	1.55E-05	5.15E-07
5161	740997.26	4111208.91	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.67E-05	2.85E-05	2.12E-06	9.51E-06	1.57E-05	5.22E-07
5162	740977.71	4111195.41	1.13E-04	2.05E-04	1.13E-05	1.74E-05	3.36E-05	1.69E-06	1.70E-05	2.89E-05	2.14E-06	9.64E-06	1.60E-05	5.29E-07
5163	740958.16	4111181.91	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.94E-05	2.18E-06	9.79E-06	1.62E-05	5.37E-07
5164	740938.62	4111168.41	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.99E-05	2.21E-06	9.96E-06	1.65E-05	5.46E-07
5165	740919.07	4111154.91	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
5166	740899.53	4111141.4	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.62E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
5167	740879.98	4111127.9	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
5168	740860.43	4111114.4	1.28E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	5.99E-07
5169	740840.89	4111100.9	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.15E-07
5170	740821.34	4111087.4	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
5171	740801.79	4111073.9	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
5172	740782.25	4111060.4	1.39E-04	2.54E-04	1.39E-05	2.16E-05	4.16E-05	2.09E-06	2.10E-05	3.58E-05	2.65E-06	1.19E-05	1.97E-05	6.54E-07
5173	740762.7	4111046.9	1.41E-04	2.58E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
5174	740743.15	4111033.4	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.72E-07
5175	740723.61	4111019.9	1.44E-04	2.63E-04	1.44E-05	2.24E-05	4.31E-05	2.16E-06	2.17E-05	3.71E-05	2.75E-06	1.24E-05	2.04E-05	6.77E-07
5176	740704.06	4111006.4	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
5177	740684.52	4110992.9	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
5178	742765.27	4111418.27	4.06E-05	7.39E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.73E-07	3.48E-06	5.75E-06	1.91E-07
5179	742785.38	4111404.78	4.03E-05	7.34E-05	4.03E-06	6.25E-06	1.20E-05	6.05E-07	6.08E-06	1.04E-05	7.68E-07	3.45E-06	5.71E-06	1.89E-07
5180	742805.49	4111391.29	4.00E-05	7.29E-05	4.00E-06	6.20E-06	1.19E-05	6.00E-07	6.03E-06	1.03E-05	7.62E-07	3.43E-06	5.67E-06	1.88E-07

5181	742825.6	4111377.79	3.97E-05	7.23E-05	3.97E-06	6.16E-06	1.19E-05	5.96E-07	5.99E-06	1.02E-05	7.57E-07	3.40E-06	5.63E-06	1.87E-07
5182	742845.71	4111364.3	3.95E-05	7.20E-05	3.95E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.38E-06	5.60E-06	1.86E-07
5183	742865.82	4111350.81	3.94E-05	7.18E-05	3.94E-06	6.11E-06	1.18E-05	5.91E-07	5.94E-06	1.01E-05	7.51E-07	3.38E-06	5.59E-06	1.85E-07
5184	742885.93	4111337.32	3.95E-05	7.20E-05	3.95E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.38E-06	5.60E-06	1.86E-07
5185	742906.04	4111323.83	3.98E-05	7.26E-05	3.99E-06	6.18E-06	1.19E-05	5.98E-07	6.01E-06	1.02E-05	7.59E-07	3.41E-06	5.65E-06	1.87E-07
5186	742926.15	4111310.33	4.05E-05	7.38E-05	4.05E-06	6.28E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.74E-06	1.90E-07
5187	742946.26	4111296.84	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
5188	742966.37	4111283.35	4.27E-05	7.79E-05	4.28E-06	6.63E-06	1.28E-05	6.41E-07	6.45E-06	1.10E-05	8.14E-07	3.66E-06	6.06E-06	2.01E-07
5189	742986.48	4111269.86	4.42E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
5190	743006.59	4111256.36	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
5191	743026.7	4111242.87	4.76E-05	8.68E-05	4.77E-06	7.39E-06	1.42E-05	7.15E-07	7.18E-06	1.22E-05	9.08E-07	4.08E-06	6.75E-06	2.24E-07
5192	742964.4	4111755.06	2.96E-05	5.40E-05	2.97E-06	4.60E-06	8.85E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
5193	742940.68	4111759.68	2.99E-05	5.46E-05	3.00E-06	4.64E-06	8.95E-06	4.49E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
5194	742916.95	4111764.31	3.02E-05	5.50E-05	3.02E-06	4.68E-06	9.02E-06	4.53E-07	4.55E-06	7.76E-06	5.75E-07	2.59E-06	4.28E-06	1.42E-07
5195	742893.23	4111768.93	3.04E-05	5.54E-05	3.04E-06	4.71E-06	9.08E-06	4.56E-07	4.58E-06	7.81E-06	5.79E-07	2.60E-06	4.31E-06	1.43E-07
5196	742869.5	4111773.56	3.05E-05	5.57E-05	3.06E-06	4.74E-06	9.13E-06	4.58E-07	4.61E-06	7.85E-06	5.82E-07	2.62E-06	4.33E-06	1.44E-07
5197	742845.78	4111778.18	3.07E-05	5.59E-05	3.07E-06	4.76E-06	9.17E-06	4.60E-07	4.63E-06	7.89E-06	5.85E-07	2.63E-06	4.35E-06	1.44E-07
5198	742822.05	4111782.8	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.20E-06	4.62E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
5199	742798.33	4111787.43	3.09E-05	5.64E-05	3.10E-06	4.80E-06	9.24E-06	4.64E-07	4.67E-06	7.95E-06	5.90E-07	2.65E-06	4.39E-06	1.45E-07
5200	742774.61	4111792.05	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
5201	742750.88	4111796.67	3.14E-05	5.71E-05	3.14E-06	4.86E-06	9.37E-06	4.71E-07	4.73E-06	8.06E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
5202	742727.16	4111801.3	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.47E-06	4.76E-07	4.78E-06	8.15E-06	6.04E-07	2.72E-06	4.49E-06	1.49E-07
5203	742703.43	4111805.92	3.21E-05	5.86E-05	3.22E-06	4.98E-06	9.60E-06	4.82E-07	4.85E-06	8.26E-06	6.12E-07	2.75E-06	4.56E-06	1.51E-07
5204	742679.71	4111810.54	3.27E-05	5.95E-05	3.27E-06	5.07E-06	9.76E-06	4.90E-07	4.93E-06	8.40E-06	6.23E-07	2.80E-06	4.63E-06	1.54E-07
5205	742655.98	4111815.17	3.33E-05	6.07E-05	3.33E-06	5.17E-06	9.95E-06	5.00E-07	5.02E-06	8.57E-06	6.35E-07	2.86E-06	4.72E-06	1.57E-07
5206	742632.26	4111819.79	3.41E-05	6.21E-05	3.41E-06	5.28E-06	1.02E-05	5.11E-07	5.14E-06	8.76E-06	6.49E-07	2.92E-06	4.83E-06	1.60E-07
5207	742608.53	4111824.42	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
5208	742584.81	4111829.04	3.58E-05	6.53E-05	3.59E-06	5.56E-06	1.07E-05	5.38E-07	5.41E-06	9.22E-06	6.83E-07	3.07E-06	5.08E-06	1.68E-07
5209	742561.08	4111833.66	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.53E-07	5.55E-06	9.47E-06	7.02E-07	3.16E-06	5.22E-06	1.73E-07
5210	742537.36	4111838.29	3.79E-05	6.90E-05	3.79E-06	5.87E-06	1.13E-05	5.68E-07	5.71E-06	9.73E-06	7.22E-07	3.24E-06	5.37E-06	1.78E-07
5211	742513.63	4111842.91	3.89E-05	7.09E-05	3.89E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
5212	742489.91	4111847.53	4.00E-05	7.29E-05	4.00E-06	6.20E-06	1.19E-05	6.00E-07	6.03E-06	1.03E-05	7.62E-07	3.43E-06	5.67E-06	1.88E-07
5213	742466.18	4111852.16	4.10E-05	7.48E-05	4.11E-06	6.37E-06	1.23E-05	6.16E-07	6.19E-06	1.06E-05	7.82E-07	3.52E-06	5.82E-06	1.93E-07
5214	742442.46	4111856.78	4.21E-05	7.67E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
5215	742418.73	4111861.41	4.30E-05	7.84E-05	4.31E-06	6.67E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.20E-07	3.69E-06	6.10E-06	2.02E-07
5216	742395.01	4111866.03	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.37E-07	3.76E-06	6.22E-06	2.06E-07
5217	742371.29	4111870.65	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.33E-05	6.71E-07	6.74E-06	1.15E-05	8.51E-07	3.83E-06	6.33E-06	2.10E-07
5218	742347.56	4111875.28	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
5219	742323.84	4111879.9	4.59E-05	8.36E-05	4.59E-06	7.11E-06	1.37E-05	6.88E-07	6.92E-06	1.18E-05	8.74E-07	3.93E-06	6.50E-06	2.16E-07
5220	742300.11	4111884.52	4.63E-05	8.43E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.82E-07	3.97E-06	6.56E-06	2.18E-07
5221	742276.39	4111889.15	4.66E-05	8.49E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.88E-07	3.99E-06	6.60E-06	2.19E-07
5222	742252.66	4111893.77	4.68E-05	8.53E-05	4.68E-06	7.26E-06	1.40E-05	7.02E-07	7.06E-06	1.20E-05	8.92E-07	4.01E-06	6.63E-06	2.20E-07
5223	742228.94	4111898.39	4.69E-05	8.55E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.94E-07	4.02E-06	6.66E-06	2.21E-07
5224	742205.21	4111903.02	4.71E-05	8.57E-05	4.71E-06	7.30E-06	1.41E-05	7.06E-07	7.10E-06	1.21E-05	8.97E-07	4.03E-06	6.67E-06	2.21E-07
5225	742181.49	4111907.64	4.72E-05	8.59E-05	4.72E-06	7.31E-06	1.41E-05	7.08E-07	7.11E-06	1.21E-05	8.99E-07	4.04E-06	6.69E-06	2.22E-07
5226	742157.76	4111912.27	4.73E-05	8.62E-05	4.73E-06	7.34E-06	1.41E-05	7.10E-07	7.14E-06	1.22E-05	9.02E-07	4.05E-06	6.71E-06	2.22E-07
5227	742134.04	4111916.89	4.75E-05	8.66E-05	4.76E-06	7.37E-06	1.42E-05	7.13E-07	7.17E-06	1.22E-05	9.06E-07	4.07E-06	6.74E-06	2.23E-07
5228	742110.31	4111921.51	4.78E-05	8.71E-05	4.78E-06	7.41E-06	1.43E-05	7.18E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
5229	742086.59	4111926.14	4.82E-05	8.78E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.26E-06	1.24E-05	9.18E-07	4.13E-06	6.83E-06	2.26E-07
5230	742062.86	4111930.76	4.86E-05	8.86E-05	4.87E-06	7.54E-06	1.45E-05	7.30E-07	7.33E-06	1.25E-05	9.27E-07	4.17E-06	6.90E-06	2.29E-07
5231	742039.14	4111935.38	4.92E-05	8.96E-05	4.92E-06	7.62E-06	1.47E-05	7.38E-07	7.41E-06	1.26E-05	9.37E-07	4.21E-06	6.97E-06	2.31E-07
5232	742015.41	4111940.01	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
5233	741991.69	4111944.63	5.05E-05	9.19E-05	5.05E-06	7.83E-06	1.51E-05	7.57E-07	7.61E-06	1.30E-05	9.62E-07	4.32E-06	7.15E-06	2.37E-07
5234	741967.97	4111949.25	5.12E-05	9.33E-05	5.12E-06	7.94E-06	1.53E-05	7.68E-07	7.72E-06	1.32E-05	9.76E-07	4.39E-06	7.26E-06	2.41E-07
5235	741944.24	4111953.88	5.20E-05	9.47E-05	5.20E-06	8.06E-06	1.55E-05	7.80E-07	7.83E-06	1.34E-05	9.90E-07	4.45E-06	7.37E-06	2.44E-07
5236	741920.52	4111958.5	5.27E-05	9.60E-05	5.27E-06	8.17E-06	1.57E-05	7.91E-07	7.95E-06	1.35E-05	1.00E-06	4.52E-06	7.47E-06	2.48E-07
5237	741896.79	4111963.13	5.34E-05	9.73E-05	5.35E-06	8.28E-06	1.60E-05	8.02E-07	8.06E-06	1.37E-05	1.02E-06	4.58E-06	7.57E-06	2.51E-07
5238	741873.07	4111967.75	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
5239	741849.34	4111972.37	5.48E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
5240	741825.62	4111977	5.53E-05	1.01E-04	5.54E-06	8.58E-06	1.65E-05	8.31E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.85E-06	2.60E-07
5241	741801.89	4111981.62	5.58E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.38E-07	8.42E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.62E-07
5242	741778.17	4111986.24	5.63E-05	1.03E-04	5.63E-06	8.73E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.82E-06	7.98E-06	2.65E-07
5243	741754.44	4111990.87	5.67E-05	1.03E-04	5.67E-06	8.79E-06	1.69E-05	8.51E-07	8.55E-06	1.46E-05	1.08E-06	4.86E-06	8.04E-06	2.66E-07
5244	741730.72	4111995.49	5.70E-05	1.04E-04	5.71E-06	8.84E-06	1.70E-05	8.56E-07	8.60E-06	1.47E-05	1.09E-06	4.89E-06	8.09E-06	2.68E-07
5245	741706.99	4112000.11	5.74E-05	1.05E-04	5.74E-06	8.89E-06	1.71E-05	8.61E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.70E-07
5246	741683.27	4112004.74	5.77E-05	1.05E-04	5.77E-06	8.94E-06	1.72E-05	8.65E-07	8.70E-06	1.48E-05	1.10E-06	4.94E-06	8.18E-06	2.71E-07
5247	741659.54	4112009.36	5.79E-05	1.05E-04	5.79E-06	8.97E-06	1.73E-05	8.68E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.20E-06	2.72E-07
5248	741635.82	4112013.99	5.80E-05	1.06E-04	5.80E-06	9.00E-06	1.73E-05	8.71E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.22E-06	2.73E-07
5249	741612.1	4112018.61	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
5250	741588.37	4112023.23	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.23E-06	2.73E-07
5251	741564.65	4112027.86	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
5252	741521.03	4112018.74	5.87E-05	1.07E-04	5.87E-06	9.10E-06	1.75E-05	8.81E-07	8.85E-06	1.51E-05	1.12E-06	5.03E-06	8.32E-06	2.76E-07

5253	741501.14	4112005.01	5.93E-05	1.08E-04	5.93E-06	9.19E-06	1.77E-05	8.90E-07	8.94E-06	1.52E-05	1.13E-06	5.08E-06	8.41E-06	2.79E-07
5254	741481.26	4111991.27	5.99E-05	1.09E-04	5.99E-06	9.28E-06	1.79E-05	8.98E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.81E-07
5255	741461.37	4111977.53	6.04E-05	1.10E-04	6.05E-06	9.37E-06	1.81E-05	9.07E-07	9.11E-06	1.55E-05	1.15E-06	5.18E-06	8.57E-06	2.84E-07
5256	741441.48	4111963.8	6.10E-05	1.11E-04	6.10E-06	9.46E-06	1.82E-05	9.15E-07	9.20E-06	1.57E-05	1.16E-06	5.23E-06	8.65E-06	2.87E-07
5257	741421.59	4111950.06	6.16E-05	1.12E-04	6.16E-06	9.55E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.73E-06	2.89E-07
5258	741401.7	4111936.32	6.21E-05	1.13E-04	6.22E-06	9.63E-06	1.86E-05	9.32E-07	9.37E-06	1.60E-05	1.18E-06	5.32E-06	8.81E-06	2.92E-07
5259	741381.82	4111922.58	6.27E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.41E-07	9.46E-06	1.61E-05	1.20E-06	5.37E-06	8.89E-06	2.95E-07
5260	741361.93	4111908.85	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.98E-06	2.98E-07
5261	741342.04	4111895.11	6.39E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.59E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.06E-06	3.00E-07
5262	741322.15	4111881.37	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.71E-06	1.65E-05	1.23E-06	5.52E-06	9.13E-06	3.03E-07
5263	741302.26	4111867.64	6.48E-05	1.18E-04	6.48E-06	1.00E-05	1.94E-05	9.72E-07	9.77E-06	1.67E-05	1.23E-06	5.55E-06	9.18E-06	3.04E-07
5264	741282.38	4111853.9	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
5265	741262.49	4111840.16	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.78E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
5266	741242.6	4111826.43	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.79E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
5267	741222.71	4111812.69	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
5268	741202.82	4111798.95	6.48E-05	1.18E-04	6.48E-06	1.00E-05	1.94E-05	9.72E-07	9.77E-06	1.67E-05	1.23E-06	5.55E-06	9.19E-06	3.04E-07
5269	741182.94	4111785.21	6.44E-05	1.17E-04	6.44E-06	9.99E-06	1.92E-05	9.66E-07	9.71E-06	1.66E-05	1.23E-06	5.52E-06	9.13E-06	3.03E-07
5270	741163.05	4111771.48	6.39E-05	1.16E-04	6.39E-06	9.91E-06	1.91E-05	9.59E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.06E-06	3.00E-07
5271	741143.16	4111757.74	6.34E-05	1.15E-04	6.34E-06	9.83E-06	1.89E-05	9.51E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.98E-06	2.98E-07
5272	741123.27	4111744	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.44E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
5273	741103.38	4111730.27	6.24E-05	1.14E-04	6.25E-06	9.68E-06	1.87E-05	9.37E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
5274	741083.5	4111716.53	6.22E-05	1.13E-04	6.23E-06	9.65E-06	1.86E-05	9.34E-07	9.38E-06	1.60E-05	1.19E-06	5.33E-06	8.82E-06	2.92E-07
5275	741063.61	4111702.79	6.23E-05	1.13E-04	6.23E-06	9.66E-06	1.86E-05	9.34E-07	9.39E-06	1.60E-05	1.19E-06	5.34E-06	8.83E-06	2.93E-07
5276	741043.72	4111689.06	6.26E-05	1.14E-04	6.26E-06	9.71E-06	1.87E-05	9.39E-07	9.44E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
5277	741023.83	4111675.32	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
5278	741003.94	4111661.58	6.43E-05	1.17E-04	6.43E-06	9.97E-06	1.92E-05	9.65E-07	9.69E-06	1.65E-05	1.22E-06	5.51E-06	9.11E-06	3.02E-07
5279	740984.05	4111647.85	6.56E-05	1.20E-04	6.56E-06	1.02E-05	1.96E-05	9.84E-07	9.89E-06	1.69E-05	1.25E-06	5.62E-06	9.30E-06	3.08E-07
5280	740964.17	4111634.11	6.72E-05	1.22E-04	6.72E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.76E-06	9.53E-06	3.16E-07
5281	740944.28	4111620.37	6.90E-05	1.26E-04	6.90E-06	1.07E-05	2.06E-05	1.04E-06	1.04E-05	1.77E-05	1.31E-06	5.91E-06	9.78E-06	3.24E-07
5282	740924.39	4111606.63	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
5283	740904.5	4111592.9	7.27E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.23E-06	1.03E-05	3.42E-07
5284	740884.61	4111579.16	7.44E-05	1.36E-04	7.45E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
5285	740864.73	4111565.42	7.60E-05	1.38E-04	7.60E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.95E-05	1.45E-06	6.51E-06	1.08E-05	3.57E-07
5286	740844.84	4111551.69	7.73E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.47E-06	6.62E-06	1.10E-05	3.63E-07
5287	740824.95	4111537.95	7.83E-05	1.43E-04	7.84E-06	1.21E-05	2.34E-05	1.18E-06	1.18E-05	2.01E-05	1.49E-06	6.71E-06	1.11E-05	3.68E-07
5288	740805.06	4111524.21	7.92E-05	1.44E-04	7.92E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
5289	740785.17	4111510.48	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
5290	740765.29	4111496.74	8.03E-05	1.46E-04	8.04E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.06E-05	1.53E-06	6.88E-06	1.14E-05	3.77E-07
5291	740745.4	4111483	8.09E-05	1.47E-04	8.09E-06	1.25E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.93E-06	1.15E-05	3.80E-07
5292	740725.51	4111469.27	8.15E-05	1.49E-04	8.16E-06	1.26E-05	2.44E-05	1.22E-06	1.23E-05	2.10E-05	1.55E-06	6.98E-06	1.16E-05	3.83E-07
5293	740705.62	4111455.53	8.23E-05	1.50E-04	8.24E-06	1.28E-05	2.46E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.05E-06	1.17E-05	3.87E-07
5294	740685.73	4111441.79	8.33E-05	1.52E-04	8.34E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.14E-06	1.18E-05	3.92E-07
5295	740665.85	4111428.05	8.46E-05	1.54E-04	8.47E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.25E-06	1.20E-05	3.98E-07
5296	740645.96	4111414.32	8.62E-05	1.57E-04	8.62E-06	1.34E-05	2.57E-05	1.29E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.05E-07
5297	740626.07	4111400.58	8.80E-05	1.60E-04	8.80E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
5298	740606.18	4111386.84	9.00E-05	1.64E-04	9.00E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.71E-06	1.28E-05	4.23E-07
5299	740586.29	4111373.11	9.20E-05	1.68E-04	9.21E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.75E-06	7.89E-06	1.30E-05	4.33E-07
5300	740566.41	4111359.37	9.41E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
5301	740546.52	4111345.63	9.61E-05	1.75E-04	9.61E-06	1.49E-05	2.87E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.23E-06	1.36E-05	4.51E-07
5302	740526.63	4111331.9	9.79E-05	1.78E-04	9.80E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.39E-06	1.39E-05	4.60E-07
5303	740506.74	4111318.16	9.96E-05	1.82E-04	9.97E-06	1.54E-05	2.98E-05	1.50E-06	1.50E-05	2.56E-05	1.90E-06	8.54E-06	1.41E-05	4.68E-07
5304	740486.85	4111304.42	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
5305	740466.96	4111290.68	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.76E-06	1.45E-05	4.80E-07
5306	740447.08	4111276.95	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
5307	740427.19	4111263.21	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
5308	740407.3	4111249.47	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
5309	740387.41	4111235.74	1.05E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
5310	740367.52	4111222	1.05E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
5311	740347.64	4111208.26	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.56E-06	1.57E-05	2.68E-05	1.99E-06	8.93E-06	1.48E-05	4.90E-07
5312	742988.13	4111750.44	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
5313	743008.24	4111736.95	2.90E-05	5.29E-05	2.91E-06	4.50E-06	8.68E-06	4.36E-07	4.38E-06	7.47E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
5314	743028.35	4111723.45	2.88E-05	5.24E-05	2.88E-06	4.46E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.48E-07	2.47E-06	4.08E-06	1.35E-07
5315	743048.46	4111709.96	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.27E-07	4.29E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
5316	743068.57	4111696.47	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
5317	743088.68	4111682.98	2.79E-05	5.09E-05	2.80E-06	4.33E-06	8.35E-06	4.19E-07	4.21E-06	7.18E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
5318	743108.79	4111669.48	2.78E-05	5.06E-05	2.78E-06	4.31E-06	8.30E-06	4.17E-07	4.19E-06	7.14E-06	5.29E-07	2.38E-06	3.94E-06	1.31E-07
5319	743128.9	4111655.99	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.28E-06	4.16E-07	4.18E-06	7.13E-06	5.28E-07	2.38E-06	3.93E-06	1.30E-07
5320	743149.01	4111642.5	2.79E-05	5.08E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
5321	743169.12	4111629.01	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
5322	743189.23	4111615.51	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.57E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
5323	743209.34	4111602.02	2.94E-05	5.37E-05	2.95E-06	4.57E-06	8.80E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
5324	743229.45	4111588.53	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.57E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07

5325	743249.56	4111575.04	3.16E-05	5.76E-05	3.16E-06	4.90E-06	9.44E-06	4.74E-07	4.76E-06	8.12E-06	6.02E-07	2.71E-06	4.48E-06	1.48E-07
5326	743187.31	4112087.22	2.30E-05	4.19E-05	2.30E-06	3.56E-06	6.87E-06	3.45E-07	3.47E-06	5.91E-06	4.38E-07	1.97E-06	3.26E-06	1.08E-07
5327	743163.64	4112091.83	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.94E-06	3.48E-07	3.50E-06	5.97E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
5328	743139.96	4112096.44	2.34E-05	4.27E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
5329	743116.29	4112101.06	2.35E-05	4.29E-05	2.36E-06	3.65E-06	7.03E-06	3.53E-07	3.55E-06	6.05E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
5330	743092.62	4112105.67	2.36E-05	4.31E-05	2.37E-06	3.67E-06	7.06E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.35E-06	1.11E-07
5331	743068.94	4112110.29	2.37E-05	4.32E-05	2.37E-06	3.67E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
5332	743045.27	4112114.9	2.37E-05	4.32E-05	2.37E-06	3.68E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.52E-07	2.03E-06	3.36E-06	1.11E-07
5333	743021.59	4112119.51	2.37E-05	4.32E-05	2.37E-06	3.67E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
5334	742997.92	4112124.13	2.37E-05	4.31E-05	2.37E-06	3.67E-06	7.07E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.35E-06	1.11E-07
5335	742974.25	4112128.74	2.36E-05	4.31E-05	2.36E-06	3.66E-06	7.06E-06	3.55E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5336	742950.57	4112133.35	2.36E-05	4.31E-05	2.36E-06	3.66E-06	7.06E-06	3.55E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5337	742926.9	4112137.97	2.37E-05	4.31E-05	2.37E-06	3.67E-06	7.07E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
5338	742903.22	4112142.58	2.37E-05	4.33E-05	2.38E-06	3.68E-06	7.09E-06	3.56E-07	3.58E-06	6.10E-06	4.52E-07	2.03E-06	3.37E-06	1.12E-07
5339	742879.55	4112147.2	2.39E-05	4.35E-05	2.39E-06	3.70E-06	7.14E-06	3.59E-07	3.60E-06	6.14E-06	4.55E-07	2.05E-06	3.39E-06	1.12E-07
5340	742855.87	4112151.81	2.41E-05	4.39E-05	2.41E-06	3.74E-06	7.20E-06	3.62E-07	3.64E-06	6.20E-06	4.59E-07	2.07E-06	3.42E-06	1.13E-07
5341	742832.2	4112156.42	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.30E-06	3.67E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
5342	742808.53	4112161.04	2.48E-05	4.52E-05	2.48E-06	3.84E-06	7.41E-06	3.72E-07	3.74E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.17E-07
5343	742784.85	4112165.65	2.52E-05	4.60E-05	2.53E-06	3.92E-06	7.54E-06	3.79E-07	3.81E-06	6.49E-06	4.81E-07	2.16E-06	3.58E-06	1.19E-07
5344	742761.18	4112170.27	2.58E-05	4.69E-05	2.58E-06	3.99E-06	7.70E-06	3.87E-07	3.88E-06	6.62E-06	4.91E-07	2.21E-06	3.65E-06	1.21E-07
5345	742737.5	4112174.88	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
5346	742713.83	4112179.49	2.70E-05	4.92E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.94E-06	5.14E-07	2.31E-06	3.83E-06	1.27E-07
5347	742690.16	4112184.11	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.27E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
5348	742666.48	4112188.72	2.84E-05	5.18E-05	2.84E-06	4.41E-06	8.49E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
5349	742642.81	4112193.33	2.92E-05	5.32E-05	2.92E-06	4.53E-06	8.73E-06	4.38E-07	4.40E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
5350	742619.13	4112197.95	3.00E-05	5.47E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.72E-07	2.57E-06	4.25E-06	1.41E-07
5351	742595.46	4112202.56	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.21E-06	4.62E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
5352	742571.79	4112207.18	3.16E-05	5.76E-05	3.16E-06	4.90E-06	9.45E-06	4.75E-07	4.77E-06	8.13E-06	6.03E-07	2.71E-06	4.48E-06	1.49E-07
5353	742548.11	4112211.79	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.68E-06	4.87E-07	4.89E-06	8.33E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
5354	742524.44	4112216.4	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.71E-06	1.56E-07
5355	742500.76	4112221.02	3.39E-05	6.18E-05	3.39E-06	5.26E-06	1.01E-05	5.09E-07	5.11E-06	8.71E-06	6.46E-07	2.90E-06	4.80E-06	1.59E-07
5356	742477.09	4112225.63	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.20E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
5357	742453.42	4112230.24	3.51E-05	6.39E-05	3.51E-06	5.44E-06	1.05E-05	5.26E-07	5.29E-06	9.01E-06	6.68E-07	3.00E-06	4.97E-06	1.65E-07
5358	742429.74	4112234.86	3.55E-05	6.47E-05	3.55E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.13E-06	6.77E-07	3.04E-06	5.04E-06	1.67E-07
5359	742406.07	4112239.47	3.59E-05	6.54E-05	3.59E-06	5.56E-06	1.07E-05	5.39E-07	5.41E-06	9.22E-06	6.84E-07	3.07E-06	5.09E-06	1.69E-07
5360	742382.39	4112244.09	3.61E-05	6.58E-05	3.61E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.88E-07	3.10E-06	5.12E-06	1.70E-07
5361	742358.72	4112248.7	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.47E-06	9.33E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
5362	742335.05	4112253.31	3.64E-05	6.63E-05	3.64E-06	5.65E-06	1.09E-05	5.46E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
5363	742311.37	4112257.93	3.64E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.50E-06	9.37E-06	6.95E-07	3.12E-06	5.17E-06	1.71E-07
5364	742287.7	4112262.54	3.64E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.49E-06	9.37E-06	6.94E-07	3.12E-06	5.17E-06	1.71E-07
5365	742264.02	4112267.15	3.64E-05	6.64E-05	3.64E-06	5.65E-06	1.09E-05	5.47E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
5366	742240.35	4112271.77	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.49E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
5367	742216.67	4112276.38	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
5368	742193	4112281	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
5369	742169.33	4112285.61	3.64E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.50E-06	9.37E-06	6.95E-07	3.12E-06	5.17E-06	1.71E-07
5370	742145.65	4112290.22	3.66E-05	6.67E-05	3.66E-06	5.68E-06	1.09E-05	5.49E-07	5.52E-06	9.41E-06	6.98E-07	3.14E-06	5.19E-06	1.72E-07
5371	742121.98	4112294.84	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.52E-07	5.55E-06	9.46E-06	7.01E-07	3.15E-06	5.22E-06	1.73E-07
5372	742098.3	4112299.45	3.70E-05	6.75E-05	3.71E-06	5.74E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
5373	742074.63	4112304.06	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.12E-07	3.20E-06	5.29E-06	1.75E-07
5374	742050.96	4112308.68	3.77E-05	6.87E-05	3.77E-06	5.85E-06	1.13E-05	5.66E-07	5.68E-06	9.69E-06	7.18E-07	3.23E-06	5.34E-06	1.77E-07
5375	742027.28	4112313.29	3.81E-05	6.94E-05	3.81E-06	5.91E-06	1.14E-05	5.72E-07	5.74E-06	9.79E-06	7.26E-07	3.26E-06	5.40E-06	1.79E-07
5376	742003.61	4112317.91	3.85E-05	7.02E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.81E-06	9.90E-06	7.34E-07	3.30E-06	5.46E-06	1.81E-07
5377	741979.93	4112322.52	3.89E-05	7.10E-05	3.90E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
5378	741956.26	4112327.13	3.94E-05	7.18E-05	3.94E-06	6.11E-06	1.18E-05	5.92E-07	5.94E-06	1.01E-05	7.51E-07	3.38E-06	5.59E-06	1.85E-07
5379	741932.59	4112331.75	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
5380	741908.91	4112336.36	4.04E-05	7.36E-05	4.04E-06	6.27E-06	1.21E-05	6.07E-07	6.09E-06	1.04E-05	7.70E-07	3.46E-06	5.73E-06	1.90E-07
5381	741885.24	4112340.98	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
5382	741861.56	4112345.59	4.13E-05	7.53E-05	4.14E-06	6.41E-06	1.24E-05	6.21E-07	6.24E-06	1.06E-05	7.88E-07	3.54E-06	5.86E-06	1.94E-07
5383	741837.89	4112350.2	4.18E-05	7.61E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.96E-07	3.58E-06	5.92E-06	1.96E-07
5384	741814.22	4112354.82	4.22E-05	7.68E-05	4.22E-06	6.54E-06	1.26E-05	6.33E-07	6.36E-06	1.08E-05	8.04E-07	3.61E-06	5.98E-06	1.98E-07
5385	741790.54	4112359.43	4.25E-05	7.75E-05	4.26E-06	6.60E-06	1.27E-05	6.38E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.03E-06	2.00E-07
5386	741766.87	4112364.04	4.29E-05	7.81E-05	4.29E-06	6.65E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.17E-07	3.67E-06	6.08E-06	2.01E-07
5387	741743.19	4112368.66	4.32E-05	7.87E-05	4.32E-06	6.69E-06	1.29E-05	6.48E-07	6.51E-06	1.11E-05	8.23E-07	3.70E-06	6.12E-06	2.03E-07
5388	741719.52	4112373.27	4.35E-05	7.92E-05	4.35E-06	6.74E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.28E-07	3.72E-06	6.16E-06	2.04E-07
5389	741695.85	4112377.89	4.37E-05	7.97E-05	4.37E-06	6.78E-06	1.31E-05	6.56E-07	6.59E-06	1.12E-05	8.33E-07	3.75E-06	6.20E-06	2.05E-07
5390	741672.17	4112382.5	4.40E-05	8.01E-05	4.40E-06	6.82E-06	1.31E-05	6.60E-07	6.63E-06	1.13E-05	8.38E-07	3.77E-06	6.23E-06	2.07E-07
5391	741648.5	4112387.11	4.42E-05	8.05E-05	4.42E-06	6.85E-06	1.32E-05	6.63E-07	6.67E-06	1.14E-05	8.42E-07	3.79E-06	6.27E-06	2.08E-07
5392	741624.82	4112391.73	4.44E-05	8.09E-05	4.44E-06	6.89E-06	1.33E-05	6.67E-07	6.70E-06	1.14E-05	8.47E-07	3.81E-06	6.30E-06	2.09E-07
5393	741601.15	4112396.34	4.46E-05	8.13E-05	4.46E-06	6.92E-06	1.33E-05	6.70E-07	6.73E-06	1.15E-05	8.50E-07	3.82E-06	6.33E-06	2.10E-07
5394	741577.47	4112400.95	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
5395	741553.8	4112405.57	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.56E-07	3.85E-06	6.37E-06	2.11E-07
5396	741530.13	4112410.18	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.86E-06	6.38E-06	2.11E-07

5397	741506.45	4112414.8	4.50E-05	8.20E-05	4.51E-06	6.98E-06	1.35E-05	6.76E-07	6.79E-06	1.16E-05	8.58E-07	3.86E-06	6.38E-06	2.12E-07
5398	741482.78	4112419.41	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.76E-07	6.79E-06	1.16E-05	8.58E-07	3.86E-06	6.38E-06	2.12E-07
5399	741439.26	4112410.32	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
5400	741419.41	4112396.61	4.57E-05	8.32E-05	4.57E-06	7.08E-06	1.36E-05	6.85E-07	6.89E-06	1.17E-05	8.70E-07	3.91E-06	6.48E-06	2.15E-07
5401	741399.57	4112382.9	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
5402	741379.72	4112369.19	4.63E-05	8.44E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
5403	741359.88	4112355.48	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
5404	741340.03	4112341.78	4.69E-05	8.55E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.94E-07	4.02E-06	6.66E-06	2.21E-07
5405	741320.18	4112328.07	4.73E-05	8.62E-05	4.73E-06	7.33E-06	1.41E-05	7.10E-07	7.13E-06	1.22E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
5406	741300.34	4112314.36	4.77E-05	8.68E-05	4.77E-06	7.39E-06	1.42E-05	7.15E-07	7.19E-06	1.22E-05	9.08E-07	4.08E-06	6.76E-06	2.24E-07
5407	741280.49	4112300.65	4.81E-05	8.76E-05	4.81E-06	7.45E-06	1.44E-05	7.21E-07	7.25E-06	1.24E-05	9.16E-07	4.12E-06	6.81E-06	2.26E-07
5408	741260.65	4112286.95	4.85E-05	8.83E-05	4.85E-06	7.52E-06	1.45E-05	7.28E-07	7.31E-06	1.25E-05	9.24E-07	4.15E-06	6.87E-06	2.28E-07
5409	741240.8	4112273.24	4.89E-05	8.91E-05	4.90E-06	7.59E-06	1.46E-05	7.34E-07	7.38E-06	1.26E-05	9.32E-07	4.19E-06	6.94E-06	2.30E-07
5410	741220.96	4112259.53	4.94E-05	9.00E-05	4.94E-06	7.66E-06	1.48E-05	7.41E-07	7.45E-06	1.27E-05	9.41E-07	4.23E-06	7.00E-06	2.32E-07
5411	741201.11	4112245.82	4.98E-05	9.08E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.52E-06	1.28E-05	9.50E-07	4.27E-06	7.07E-06	2.34E-07
5412	741181.27	4112232.12	5.02E-05	9.15E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.57E-06	1.29E-05	9.57E-07	4.30E-06	7.12E-06	2.36E-07
5413	741161.42	4112218.41	5.06E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.33E-06	7.17E-06	2.38E-07
5414	741141.57	4112204.7	5.08E-05	9.26E-05	5.09E-06	7.88E-06	1.52E-05	7.63E-07	7.67E-06	1.31E-05	9.69E-07	4.36E-06	7.21E-06	2.39E-07
5415	741121.73	4112190.99	5.10E-05	9.30E-05	5.10E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
5416	741101.88	4112177.29	5.11E-05	9.31E-05	5.11E-06	7.92E-06	1.53E-05	7.67E-07	7.70E-06	1.31E-05	9.73E-07	4.38E-06	7.24E-06	2.40E-07
5417	741082.04	4112163.58	5.10E-05	9.30E-05	5.11E-06	7.92E-06	1.53E-05	7.66E-07	7.70E-06	1.31E-05	9.73E-07	4.37E-06	7.24E-06	2.40E-07
5418	741062.19	4112149.87	5.09E-05	9.27E-05	5.09E-06	7.89E-06	1.52E-05	7.64E-07	7.67E-06	1.31E-05	9.70E-07	4.36E-06	7.22E-06	2.39E-07
5419	741042.35	4112136.16	5.06E-05	9.23E-05	5.07E-06	7.85E-06	1.51E-05	7.60E-07	7.64E-06	1.30E-05	9.65E-07	4.34E-06	7.18E-06	2.38E-07
5420	741022.5	4112122.46	5.02E-05	9.15E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.58E-06	1.29E-05	9.57E-07	4.30E-06	7.12E-06	2.36E-07
5421	741002.65	4112108.75	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
5422	740982.81	4112095.04	4.93E-05	8.98E-05	4.93E-06	7.64E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
5423	740962.96	4112081.33	4.88E-05	8.89E-05	4.88E-06	7.57E-06	1.46E-05	7.33E-07	7.36E-06	1.25E-05	9.30E-07	4.18E-06	6.92E-06	2.29E-07
5424	740943.12	4112067.62	4.84E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.26E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.86E-06	2.27E-07
5425	740923.27	4112053.92	4.80E-05	8.74E-05	4.80E-06	7.44E-06	1.43E-05	7.20E-07	7.23E-06	1.23E-05	9.14E-07	4.11E-06	6.80E-06	2.25E-07
5426	740903.43	4112040.21	4.77E-05	8.70E-05	4.78E-06	7.40E-06	1.43E-05	7.16E-07	7.20E-06	1.23E-05	9.10E-07	4.09E-06	6.77E-06	2.24E-07
5427	740883.58	4112026.5	4.77E-05	8.69E-05	4.77E-06	7.39E-06	1.42E-05	7.16E-07	7.19E-06	1.23E-05	9.08E-07	4.09E-06	6.76E-06	2.24E-07
5428	740863.74	4112012.79	4.78E-05	8.71E-05	4.78E-06	7.41E-06	1.43E-05	7.17E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
5429	740843.89	4111999.09	4.81E-05	8.77E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.26E-06	1.24E-05	9.17E-07	4.13E-06	6.83E-06	2.26E-07
5430	740824.04	4111985.38	4.87E-05	8.88E-05	4.88E-06	7.56E-06	1.46E-05	7.31E-07	7.35E-06	1.25E-05	9.28E-07	4.17E-06	6.91E-06	2.29E-07
5431	740804.2	4111971.67	4.95E-05	9.02E-05	4.96E-06	7.68E-06	1.48E-05	7.43E-07	7.47E-06	1.27E-05	9.44E-07	4.24E-06	7.02E-06	2.33E-07
5432	740784.35	4111957.96	5.05E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.58E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
5433	740764.51	4111944.26	5.17E-05	9.43E-05	5.18E-06	8.02E-06	1.55E-05	7.77E-07	7.80E-06	1.33E-05	9.86E-07	4.43E-06	7.34E-06	2.43E-07
5434	740744.66	4111930.55	5.31E-05	9.67E-05	5.31E-06	8.23E-06	1.59E-05	7.96E-07	8.00E-06	1.36E-05	1.01E-06	4.55E-06	7.52E-06	2.49E-07
5435	740724.82	4111916.84	5.45E-05	9.93E-05	5.45E-06	8.45E-06	1.63E-05	8.17E-07	8.21E-06	1.40E-05	1.04E-06	4.67E-06	7.72E-06	2.56E-07
5436	740704.97	4111903.13	5.59E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.39E-07	8.43E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.63E-07
5437	740685.12	4111889.43	5.72E-05	1.04E-04	5.72E-06	8.87E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
5438	740665.28	4111875.72	5.84E-05	1.06E-04	5.85E-06	9.06E-06	1.75E-05	8.77E-07	8.81E-06	1.50E-05	1.11E-06	5.01E-06	8.28E-06	2.75E-07
5439	740645.43	4111862.01	5.95E-05	1.08E-04	5.95E-06	9.22E-06	1.78E-05	8.93E-07	8.97E-06	1.53E-05	1.13E-06	5.10E-06	8.43E-06	2.79E-07
5440	740625.59	4111848.3	6.03E-05	1.10E-04	6.04E-06	9.36E-06	1.80E-05	9.06E-07	9.10E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.84E-07
5441	740605.74	4111834.59	6.10E-05	1.11E-04	6.11E-06	9.46E-06	1.82E-05	9.16E-07	9.20E-06	1.57E-05	1.16E-06	5.23E-06	8.65E-06	2.87E-07
5442	740585.9	4111820.89	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.23E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
5443	740566.05	4111807.18	6.19E-05	1.13E-04	6.19E-06	9.59E-06	1.85E-05	9.28E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
5444	740546.2	4111793.47	6.21E-05	1.13E-04	6.21E-06	9.62E-06	1.85E-05	9.31E-07	9.36E-06	1.60E-05	1.18E-06	5.32E-06	8.80E-06	2.92E-07
5445	740526.36	4111779.76	6.22E-05	1.13E-04	6.23E-06	9.65E-06	1.86E-05	9.34E-07	9.38E-06	1.60E-05	1.19E-06	5.33E-06	8.82E-06	2.92E-07
5446	740506.51	4111766.06	6.24E-05	1.14E-04	6.24E-06	9.68E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
5447	740486.67	4111752.35	6.26E-05	1.14E-04	6.27E-06	9.71E-06	1.87E-05	9.40E-07	9.44E-06	1.61E-05	1.19E-06	5.37E-06	8.88E-06	2.94E-07
5448	740466.82	4111738.64	6.29E-05	1.15E-04	6.30E-06	9.76E-06	1.88E-05	9.45E-07	9.49E-06	1.62E-05	1.20E-06	5.39E-06	8.92E-06	2.96E-07
5449	740446.98	4111724.93	6.34E-05	1.15E-04	6.34E-06	9.83E-06	1.89E-05	9.51E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.99E-06	2.98E-07
5450	740427.13	4111711.23	6.40E-05	1.17E-04	6.40E-06	9.93E-06	1.91E-05	9.61E-07	9.65E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5451	740407.29	4111697.52	6.48E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.78E-06	1.67E-05	1.24E-06	5.55E-06	9.19E-06	3.05E-07
5452	740387.44	4111683.81	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
5453	740367.59	4111670.1	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
5454	740347.75	4111656.4	6.83E-05	1.24E-04	6.83E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.85E-06	9.68E-06	3.21E-07
5455	740327.9	4111642.69	6.96E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.33E-06	5.96E-06	9.87E-06	3.27E-07
5456	740308.06	4111628.98	7.10E-05	1.29E-04	7.10E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.35E-06	6.08E-06	1.01E-05	3.34E-07
5457	740288.21	4111615.27	7.24E-05	1.32E-04	7.25E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
5458	740268.37	4111601.56	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
5459	740248.52	4111587.86	7.50E-05	1.37E-04	7.51E-06	1.16E-05	2.24E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.43E-06	1.06E-05	3.53E-07
5460	740228.67	4111574.15	7.62E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.53E-06	1.08E-05	3.58E-07
5461	740208.83	4111560.44	7.71E-05	1.41E-04	7.72E-06	1.20E-05	2.30E-05	1.16E-06	1.16E-05	1.98E-05	1.47E-06	6.61E-06	1.09E-05	3.62E-07
5462	740188.98	4111546.73	7.79E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.66E-07
5463	740169.14	4111533.03	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
5464	740149.29	4111519.32	7.92E-05	1.44E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.19E-05	2.04E-05	1.51E-06	6.79E-06	1.12E-05	3.72E-07
5465	740129.45	4111505.61	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.74E-07
5466	740109.6	4111491.9	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
5467	740089.76	4111478.2	8.01E-05	1.46E-04	8.02E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
5468	740069.91	4111464.49	8.02E-05	1.46E-04	8.03E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07

5469	740050.06	4111450.78	8.02E-05	1.46E-04	8.02E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
5470	740030.22	4111437.07	8.00E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.86E-06	1.13E-05	3.76E-07
5471	740010.37	4111423.37	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
5472	743210.99	4112082.6	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.78E-06	3.41E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.22E-06	1.07E-07
5473	743231.1	4112069.11	2.25E-05	4.10E-05	2.25E-06	3.49E-06	6.71E-06	3.37E-07	3.39E-06	5.78E-06	4.28E-07	1.93E-06	3.19E-06	1.06E-07
5474	743251.21	4112055.62	2.22E-05	4.05E-05	2.22E-06	3.45E-06	6.64E-06	3.34E-07	3.35E-06	5.71E-06	4.24E-07	1.90E-06	3.15E-06	1.04E-07
5475	743271.32	4112042.13	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
5476	743291.43	4112028.63	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.47E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
5477	743311.54	4112015.14	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.23E-06	5.50E-06	4.08E-07	1.83E-06	3.03E-06	1.01E-07
5478	743331.65	4112001.65	2.12E-05	3.86E-05	2.12E-06	3.28E-06	6.32E-06	3.18E-07	3.19E-06	5.44E-06	4.03E-07	1.81E-06	3.00E-06	9.94E-08
5479	743351.76	4111988.16	2.10E-05	3.82E-05	2.10E-06	3.25E-06	6.27E-06	3.15E-07	3.16E-06	5.39E-06	4.00E-07	1.80E-06	2.97E-06	9.86E-08
5480	743371.87	4111974.66	2.09E-05	3.81E-05	2.09E-06	3.24E-06	6.24E-06	3.14E-07	3.15E-06	5.37E-06	3.98E-07	1.79E-06	2.96E-06	9.82E-08
5481	743391.98	4111961.17	2.09E-05	3.81E-05	2.09E-06	3.24E-06	6.25E-06	3.14E-07	3.15E-06	5.38E-06	3.99E-07	1.79E-06	2.97E-06	9.83E-08
5482	743412.09	4111947.68	2.11E-05	3.84E-05	2.11E-06	3.27E-06	6.30E-06	3.16E-07	3.18E-06	5.42E-06	4.02E-07	1.81E-06	2.99E-06	9.91E-08
5483	743432.2	4111934.19	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.23E-06	5.50E-06	4.08E-07	1.83E-06	3.03E-06	1.01E-07
5484	743452.31	4111920.7	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
5485	743472.42	4111907.2	2.25E-05	4.11E-05	2.26E-06	3.50E-06	6.73E-06	3.38E-07	3.40E-06	5.79E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
5486	743410.21	4112419.38	1.86E-05	3.40E-05	1.87E-06	2.89E-06	5.57E-06	2.80E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.76E-08
5487	743386.57	4112423.98	1.89E-05	3.44E-05	1.89E-06	2.93E-06	5.64E-06	2.83E-07	2.84E-06	4.85E-06	3.59E-07	1.62E-06	2.67E-06	8.87E-08
5488	743362.93	4112428.59	1.90E-05	3.47E-05	1.91E-06	2.95E-06	5.69E-06	2.86E-07	2.87E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.95E-08
5489	743339.29	4112433.2	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.73E-06	2.88E-07	2.89E-06	4.93E-06	3.65E-07	1.64E-06	2.72E-06	9.01E-08
5490	743315.65	4112437.8	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.95E-06	3.67E-07	1.65E-06	2.73E-06	9.05E-08
5491	743292.01	4112442.41	1.93E-05	3.52E-05	1.93E-06	3.00E-06	5.77E-06	2.90E-07	2.91E-06	4.97E-06	3.68E-07	1.66E-06	2.74E-06	9.08E-08
5492	743268.37	4112447.02	1.93E-05	3.52E-05	1.93E-06	3.00E-06	5.78E-06	2.90E-07	2.92E-06	4.97E-06	3.68E-07	1.66E-06	2.74E-06	9.09E-08
5493	743244.74	4112451.62	1.93E-05	3.52E-05	1.93E-06	2.99E-06	5.77E-06	2.90E-07	2.91E-06	4.96E-06	3.68E-07	1.65E-06	2.74E-06	9.08E-08
5494	743221.1	4112456.23	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.95E-06	3.67E-07	1.65E-06	2.73E-06	9.05E-08
5495	743197.46	4112460.84	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.73E-06	2.88E-07	2.89E-06	4.93E-06	3.65E-07	1.64E-06	2.72E-06	9.01E-08
5496	743173.82	4112465.44	1.91E-05	3.48E-05	1.91E-06	2.96E-06	5.71E-06	2.87E-07	2.88E-06	4.91E-06	3.64E-07	1.64E-06	2.71E-06	8.98E-08
5497	743150.18	4112470.05	1.90E-05	3.46E-05	1.90E-06	2.95E-06	5.68E-06	2.85E-07	2.87E-06	4.88E-06	3.62E-07	1.63E-06	2.69E-06	8.93E-08
5498	743126.54	4112474.66	1.89E-05	3.45E-05	1.89E-06	2.93E-06	5.65E-06	2.84E-07	2.85E-06	4.86E-06	3.61E-07	1.62E-06	2.68E-06	8.89E-08
5499	743102.9	4112479.27	1.87E-05	3.41E-05	1.87E-06	2.90E-06	5.60E-06	2.81E-07	2.82E-06	4.82E-06	3.57E-07	1.61E-06	2.66E-06	8.80E-08
5500	743079.27	4112483.87	1.89E-05	3.44E-05	1.89E-06	2.93E-06	5.64E-06	2.83E-07	2.85E-06	4.86E-06	3.60E-07	1.62E-06	2.68E-06	8.88E-08
5501	743055.63	4112488.48	1.89E-05	3.45E-05	1.90E-06	2.94E-06	5.66E-06	2.84E-07	2.86E-06	4.87E-06	3.61E-07	1.62E-06	2.69E-06	8.90E-08
5502	743031.99	4112493.09	1.90E-05	3.47E-05	1.90E-06	2.95E-06	5.68E-06	2.85E-07	2.87E-06	4.89E-06	3.62E-07	1.63E-06	2.70E-06	8.94E-08
5503	743008.35	4112497.69	1.91E-05	3.49E-05	1.92E-06	2.97E-06	5.72E-06	2.87E-07	2.89E-06	4.92E-06	3.65E-07	1.64E-06	2.71E-06	9.00E-08
5504	742984.71	4112502.3	1.93E-05	3.52E-05	1.93E-06	3.00E-06	5.77E-06	2.90E-07	2.91E-06	4.97E-06	3.68E-07	1.66E-06	2.74E-06	9.08E-08
5505	742961.07	4112506.91	1.95E-05	3.56E-05	1.96E-06	3.03E-06	5.84E-06	2.93E-07	2.95E-06	5.02E-06	3.72E-07	1.67E-06	2.77E-06	9.19E-08
5506	742937.43	4112511.51	1.98E-05	3.61E-05	1.98E-06	3.07E-06	5.92E-06	2.97E-07	2.99E-06	5.09E-06	3.78E-07	1.70E-06	2.81E-06	9.31E-08
5507	742913.8	4112516.12	2.01E-05	3.67E-05	2.01E-06	3.12E-06	6.02E-06	3.02E-07	3.04E-06	5.18E-06	3.84E-07	1.73E-06	2.85E-06	9.46E-08
5508	742890.16	4112520.73	2.05E-05	3.74E-05	2.05E-06	3.18E-06	6.13E-06	3.08E-07	3.09E-06	5.27E-06	3.91E-07	1.76E-06	2.91E-06	9.64E-08
5509	742866.52	4112525.33	2.09E-05	3.81E-05	2.09E-06	3.24E-06	6.25E-06	3.14E-07	3.15E-06	5.38E-06	3.99E-07	1.79E-06	2.97E-06	9.83E-08
5510	742842.88	4112529.94	2.14E-05	3.89E-05	2.14E-06	3.31E-06	6.38E-06	3.21E-07	3.22E-06	5.49E-06	4.07E-07	1.83E-06	3.03E-06	1.00E-07
5511	742819.24	4112534.55	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
5512	742795.6	4112539.15	2.24E-05	4.09E-05	2.25E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.05E-07
5513	742771.96	4112543.76	2.30E-05	4.19E-05	2.30E-06	3.57E-06	6.88E-06	3.45E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.26E-06	1.08E-07
5514	742748.33	4112548.37	2.36E-05	4.31E-05	2.36E-06	3.66E-06	7.06E-06	3.55E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5515	742724.69	4112552.98	2.43E-05	4.42E-05	2.43E-06	3.76E-06	7.25E-06	3.64E-07	3.66E-06	6.24E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
5516	742701.05	4112557.58	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.44E-06	3.74E-07	3.75E-06	6.40E-06	4.74E-07	2.13E-06	3.53E-06	1.17E-07
5517	742677.41	4112562.19	2.55E-05	4.65E-05	2.55E-06	3.96E-06	7.62E-06	3.83E-07	3.85E-06	6.56E-06	4.86E-07	2.19E-06	3.62E-06	1.20E-07
5518	742653.77	4112566.8	2.61E-05	4.76E-05	2.62E-06	4.05E-06	7.81E-06	3.92E-07	3.94E-06	6.72E-06	4.98E-07	2.24E-06	3.71E-06	1.23E-07
5519	742630.13	4112571.4	2.68E-05	4.88E-05	2.68E-06	4.15E-06	7.99E-06	4.02E-07	4.04E-06	6.88E-06	5.10E-07	2.29E-06	3.79E-06	1.26E-07
5520	742606.49	4112576.01	2.74E-05	4.98E-05	2.74E-06	4.24E-06	8.17E-06	4.11E-07	4.12E-06	7.03E-06	5.21E-07	2.34E-06	3.88E-06	1.29E-07
5521	742582.86	4112580.62	2.79E-05	5.09E-05	2.79E-06	4.33E-06	8.34E-06	4.19E-07	4.21E-06	7.17E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
5522	742559.22	4112585.22	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.03E-06	1.33E-07
5523	742535.58	4112589.83	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.61E-06	4.33E-07	4.35E-06	7.41E-06	5.49E-07	2.47E-06	4.09E-06	1.35E-07
5524	742511.94	4112594.44	2.92E-05	5.32E-05	2.92E-06	4.52E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
5525	742488.3	4112599.04	2.94E-05	5.37E-05	2.95E-06	4.57E-06	8.80E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
5526	742464.66	4112603.65	2.96E-05	5.40E-05	2.97E-06	4.60E-06	8.85E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
5527	742441.02	4112608.26	2.98E-05	5.42E-05	2.98E-06	4.61E-06	8.89E-06	4.47E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
5528	742417.39	4112612.86	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.90E-06	4.47E-07	4.49E-06	7.66E-06	5.68E-07	2.55E-06	4.23E-06	1.40E-07
5529	742393.75	4112617.47	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.90E-06	4.47E-07	4.49E-06	7.66E-06	5.68E-07	2.55E-06	4.22E-06	1.40E-07
5530	742370.11	4112622.08	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.88E-06	4.46E-07	4.48E-06	7.64E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
5531	742346.47	4112626.68	2.97E-05	5.40E-05	2.97E-06	4.60E-06	8.86E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
5532	742322.83	4112631.29	2.96E-05	5.39E-05	2.96E-06	4.58E-06	8.83E-06	4.44E-07	4.46E-06	7.60E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
5533	742299.19	4112635.9	2.95E-05	5.37E-05	2.95E-06	4.57E-06	8.80E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.18E-06	1.38E-07
5534	742275.55	4112640.51	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.16E-06	1.38E-07
5535	742251.92	4112645.11	2.93E-05	5.34E-05	2.93E-06	4.54E-06	8.75E-06	4.40E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
5536	742228.28	4112649.72	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
5537	742204.64	4112654.33	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
5538	742181	4112658.93	2.93E-05	5.34E-05	2.93E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.53E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
5539	742157.36	4112663.54	2.94E-05	5.36E-05	2.94E-06	4.56E-06	8.78E-06	4.41E-07	4.43E-06	7.56E-06	5.60E-07	2.52E-06	4.17E-06	1.38E-07
5540	742133.72	4112668.15	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07

5541	742110.08	4112672.75	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
5542	742086.45	4112677.36	2.99E-05	5.45E-05	2.99E-06	4.64E-06	8.93E-06	4.49E-07	4.51E-06	7.68E-06	5.70E-07	2.56E-06	4.24E-06	1.40E-07
5543	742062.81	4112681.97	3.01E-05	5.49E-05	3.02E-06	4.67E-06	9.00E-06	4.52E-07	4.54E-06	7.75E-06	5.74E-07	2.58E-06	4.27E-06	1.42E-07
5544	742039.17	4112686.57	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.56E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
5545	742015.53	4112691.18	3.07E-05	5.60E-05	3.07E-06	4.76E-06	9.18E-06	4.61E-07	4.63E-06	7.90E-06	5.85E-07	2.63E-06	4.36E-06	1.44E-07
5546	741991.89	4112695.79	3.10E-05	5.66E-05	3.11E-06	4.81E-06	9.28E-06	4.66E-07	4.68E-06	7.98E-06	5.92E-07	2.66E-06	4.40E-06	1.46E-07
5547	741968.25	4112700.39	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.38E-06	4.71E-07	4.73E-06	8.07E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
5548	741944.61	4112705	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.48E-06	4.76E-07	4.78E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
5549	741920.98	4112709.61	3.21E-05	5.85E-05	3.21E-06	4.98E-06	9.59E-06	4.82E-07	4.84E-06	8.25E-06	6.11E-07	2.75E-06	4.55E-06	1.51E-07
5550	741897.34	4112714.22	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
5551	741873.7	4112718.82	3.28E-05	5.97E-05	3.28E-06	5.08E-06	9.78E-06	4.92E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.64E-06	1.54E-07
5552	741850.06	4112723.43	3.31E-05	6.02E-05	3.31E-06	5.13E-06	9.87E-06	4.96E-07	4.98E-06	8.50E-06	6.30E-07	2.83E-06	4.69E-06	1.55E-07
5553	741826.42	4112728.04	3.34E-05	6.08E-05	3.34E-06	5.17E-06	9.96E-06	5.01E-07	5.03E-06	8.57E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
5554	741802.78	4112732.64	3.36E-05	6.13E-05	3.37E-06	5.22E-06	1.00E-05	5.05E-07	5.07E-06	8.65E-06	6.41E-07	2.88E-06	4.77E-06	1.58E-07
5555	741779.14	4112737.25	3.39E-05	6.17E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.11E-06	8.71E-06	6.46E-07	2.90E-06	4.80E-06	1.59E-07
5556	741755.51	4112741.86	3.41E-05	6.22E-05	3.41E-06	5.29E-06	1.02E-05	5.12E-07	5.15E-06	8.77E-06	6.50E-07	2.92E-06	4.84E-06	1.60E-07
5557	741731.87	4112746.46	3.43E-05	6.26E-05	3.44E-06	5.33E-06	1.03E-05	5.15E-07	5.18E-06	8.83E-06	6.54E-07	2.94E-06	4.87E-06	1.61E-07
5558	741708.23	4112751.07	3.45E-05	6.29E-05	3.46E-06	5.36E-06	1.03E-05	5.18E-07	5.21E-06	8.88E-06	6.58E-07	2.96E-06	4.90E-06	1.62E-07
5559	741684.59	4112755.68	3.48E-05	6.33E-05	3.48E-06	5.39E-06	1.04E-05	5.22E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.93E-06	1.63E-07
5560	741660.95	4112760.28	3.49E-05	6.37E-05	3.50E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
5561	741637.31	4112764.89	3.51E-05	6.40E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.03E-06	6.70E-07	3.01E-06	4.98E-06	1.65E-07
5562	741613.67	4112769.5	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
5563	741590.04	4112774.1	3.56E-05	6.48E-05	3.56E-06	5.51E-06	1.06E-05	5.34E-07	5.36E-06	9.14E-06	6.78E-07	3.05E-06	5.04E-06	1.67E-07
5564	741566.4	4112778.71	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.39E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
5565	741542.76	4112783.32	3.60E-05	6.55E-05	3.60E-06	5.58E-06	1.07E-05	5.40E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.10E-06	1.69E-07
5566	741519.12	4112787.93	3.61E-05	6.58E-05	3.62E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.12E-06	1.70E-07
5567	741495.48	4112792.53	3.63E-05	6.61E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.47E-06	9.33E-06	6.91E-07	3.11E-06	5.14E-06	1.71E-07
5568	741471.84	4112797.14	3.64E-05	6.63E-05	3.64E-06	5.65E-06	1.09E-05	5.46E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
5569	741448.2	4112801.75	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.50E-06	9.38E-06	6.95E-07	3.13E-06	5.17E-06	1.71E-07
5570	741424.56	4112806.35	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.51E-06	9.39E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
5571	741400.93	4112810.96	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.51E-06	9.39E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
5572	741357.47	4112801.88	3.67E-05	6.68E-05	3.67E-06	5.69E-06	1.10E-05	5.51E-07	5.53E-06	9.43E-06	6.99E-07	3.14E-06	5.20E-06	1.72E-07
5573	741337.66	4112788.19	3.69E-05	6.72E-05	3.69E-06	5.72E-06	1.10E-05	5.54E-07	5.56E-06	9.48E-06	7.03E-07	3.16E-06	5.23E-06	1.73E-07
5574	741317.84	4112774.51	3.71E-05	6.75E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
5575	741298.02	4112760.82	3.72E-05	6.78E-05	3.72E-06	5.77E-06	1.11E-05	5.59E-07	5.61E-06	9.57E-06	7.09E-07	3.19E-06	5.28E-06	1.75E-07
5576	741278.21	4112747.13	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.12E-07	3.20E-06	5.30E-06	1.76E-07
5577	741258.39	4112733.44	3.75E-05	6.84E-05	3.76E-06	5.82E-06	1.12E-05	5.63E-07	5.66E-06	9.65E-06	7.15E-07	3.22E-06	5.32E-06	1.76E-07
5578	741238.58	4112719.76	3.77E-05	6.88E-05	3.78E-06	5.85E-06	1.13E-05	5.66E-07	5.69E-06	9.70E-06	7.19E-07	3.23E-06	5.35E-06	1.77E-07
5579	741218.76	4112706.07	3.79E-05	6.91E-05	3.80E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.75E-06	7.23E-07	3.25E-06	5.38E-06	1.78E-07
5580	741198.94	4112692.38	3.82E-05	6.96E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.76E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
5581	741179.13	4112678.7	3.85E-05	7.01E-05	3.85E-06	5.96E-06	1.15E-05	5.77E-07	5.80E-06	9.89E-06	7.33E-07	3.30E-06	5.45E-06	1.81E-07
5582	741159.31	4112665.01	3.88E-05	7.06E-05	3.88E-06	6.01E-06	1.16E-05	5.82E-07	5.84E-06	9.96E-06	7.39E-07	3.32E-06	5.49E-06	1.82E-07
5583	741139.5	4112651.32	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
5584	741119.68	4112637.63	3.95E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.52E-07	3.38E-06	5.59E-06	1.85E-07
5585	741099.87	4112623.95	3.98E-05	7.26E-05	3.98E-06	6.18E-06	1.19E-05	5.98E-07	6.01E-06	1.02E-05	7.59E-07	3.41E-06	5.65E-06	1.87E-07
5586	741080.05	4112610.26	4.02E-05	7.32E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
5587	741060.23	4112596.57	4.05E-05	7.38E-05	4.05E-06	6.28E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.74E-06	1.90E-07
5588	741040.42	4112582.89	4.08E-05	7.44E-05	4.09E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
5589	741020.6	4112569.2	4.11E-05	7.49E-05	4.11E-06	6.37E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.83E-07	3.52E-06	5.83E-06	1.93E-07
5590	741000.79	4112555.51	4.13E-05	7.53E-05	4.14E-06	6.41E-06	1.23E-05	6.20E-07	6.23E-06	1.06E-05	7.88E-07	3.54E-06	5.86E-06	1.94E-07
5591	740980.97	4112541.82	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
5592	740961.15	4112528.14	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
5593	740941.34	4112514.45	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.93E-07	3.56E-06	5.90E-06	1.95E-07
5594	740921.52	4112500.76	4.15E-05	7.57E-05	4.16E-06	6.44E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
5595	740901.71	4112487.08	4.14E-05	7.54E-05	4.14E-06	6.42E-06	1.24E-05	6.21E-07	6.24E-06	1.06E-05	7.89E-07	3.55E-06	5.87E-06	1.95E-07
5596	740881.89	4112473.39	4.12E-05	7.51E-05	4.12E-06	6.39E-06	1.23E-05	6.18E-07	6.21E-06	1.06E-05	7.85E-07	3.53E-06	5.84E-06	1.94E-07
5597	740862.07	4112459.7	4.09E-05	7.46E-05	4.10E-06	6.35E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.80E-07	3.51E-06	5.80E-06	1.92E-07
5598	740842.26	4112446.01	4.06E-05	7.40E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.74E-07	3.48E-06	5.76E-06	1.91E-07
5599	740822.44	4112432.33	4.02E-05	7.33E-05	4.02E-06	6.24E-06	1.20E-05	6.04E-07	6.07E-06	1.03E-05	7.67E-07	3.45E-06	5.70E-06	1.89E-07
5600	740802.63	4112418.64	3.98E-05	7.26E-05	3.99E-06	6.18E-06	1.19E-05	5.98E-07	6.01E-06	1.02E-05	7.59E-07	3.41E-06	5.65E-06	1.87E-07
5601	740782.81	4112404.95	3.94E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.51E-07	3.38E-06	5.59E-06	1.85E-07
5602	740763	4112391.27	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.86E-07	5.89E-06	1.00E-05	7.44E-07	3.35E-06	5.54E-06	1.84E-07
5603	740743.18	4112377.58	3.87E-05	7.06E-05	3.88E-06	6.01E-06	1.16E-05	5.81E-07	5.84E-06	9.96E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
5604	740723.36	4112363.89	3.85E-05	7.02E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.81E-06	9.90E-06	7.34E-07	3.30E-06	5.46E-06	1.81E-07
5605	740703.55	4112350.21	3.84E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.78E-06	9.86E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07
5606	740683.73	4112336.52	3.84E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.78E-06	9.86E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07
5607	740663.92	4112322.83	3.85E-05	7.01E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.80E-06	9.89E-06	7.33E-07	3.30E-06	5.46E-06	1.81E-07
5608	740644.1	4112309.14	3.88E-05	7.07E-05	3.88E-06	6.02E-06	1.16E-05	5.82E-07	5.85E-06	9.97E-06	7.39E-07	3.32E-06	5.50E-06	1.82E-07
5609	740624.28	4112295.46	3.93E-05	7.16E-05	3.93E-06	6.09E-06	1.17E-05	5.89E-07	5.92E-06	1.01E-05	7.48E-07	3.36E-06	5.57E-06	1.85E-07
5610	740604.47	4112281.77	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.60E-07	3.42E-06	5.66E-06	1.88E-07
5611	740584.65	4112268.08	4.07E-05	7.41E-05	4.07E-06	6.31E-06	1.22E-05	6.11E-07	6.14E-06	1.05E-05	7.75E-07	3.49E-06	5.77E-06	1.91E-07
5612	740564.84	4112254.4	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.25E-07	6.28E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07

5613	740545.02	4112240.71	4.26E-05	7.77E-05	4.26E-06	6.61E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.12E-07	3.65E-06	6.04E-06	2.00E-07
5614	740525.2	4112227.02	4.37E-05	7.96E-05	4.37E-06	6.78E-06	1.31E-05	6.56E-07	6.59E-06	1.12E-05	8.33E-07	3.74E-06	6.20E-06	2.05E-07
5615	740505.39	4112213.33	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
5616	740485.57	4112199.65	4.58E-05	8.35E-05	4.59E-06	7.11E-06	1.37E-05	6.88E-07	6.91E-06	1.18E-05	8.73E-07	3.93E-06	6.50E-06	2.15E-07
5617	740465.76	4112185.96	4.68E-05	8.52E-05	4.68E-06	7.26E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.92E-07	4.01E-06	6.63E-06	2.20E-07
5618	740445.94	4112172.27	4.77E-05	8.68E-05	4.77E-06	7.39E-06	1.42E-05	7.15E-07	7.19E-06	1.22E-05	9.08E-07	4.08E-06	6.76E-06	2.24E-07
5619	740426.13	4112158.59	4.84E-05	8.82E-05	4.84E-06	7.51E-06	1.45E-05	7.27E-07	7.30E-06	1.24E-05	9.23E-07	4.15E-06	6.87E-06	2.28E-07
5620	740406.31	4112144.9	4.91E-05	8.94E-05	4.91E-06	7.61E-06	1.47E-05	7.36E-07	7.40E-06	1.26E-05	9.35E-07	4.20E-06	6.96E-06	2.31E-07
5621	740386.49	4112131.21	4.96E-05	9.04E-05	4.96E-06	7.69E-06	1.48E-05	7.44E-07	7.48E-06	1.27E-05	9.45E-07	4.25E-06	7.03E-06	2.33E-07
5622	740366.68	4112117.52	4.99E-05	9.10E-05	5.00E-06	7.74E-06	1.49E-05	7.49E-07	7.53E-06	1.28E-05	9.51E-07	4.28E-06	7.08E-06	2.35E-07
5623	740346.86	4112103.84	5.01E-05	9.13E-05	5.01E-06	7.77E-06	1.50E-05	7.52E-07	7.56E-06	1.29E-05	9.55E-07	4.29E-06	7.11E-06	2.36E-07
5624	740327.05	4112090.15	5.02E-05	9.15E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.57E-06	1.29E-05	9.57E-07	4.30E-06	7.12E-06	2.36E-07
5625	740307.23	4112076.46	5.03E-05	9.16E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.58E-06	1.29E-05	9.58E-07	4.31E-06	7.13E-06	2.36E-07
5626	740287.41	4112062.78	5.03E-05	9.16E-05	5.03E-06	7.80E-06	1.50E-05	7.54E-07	7.58E-06	1.29E-05	9.58E-07	4.31E-06	7.13E-06	2.36E-07
5627	740267.6	4112049.09	5.03E-05	9.16E-05	5.03E-06	7.80E-06	1.50E-05	7.54E-07	7.58E-06	1.29E-05	9.58E-07	4.31E-06	7.13E-06	2.36E-07
5628	740247.78	4112035.4	5.03E-05	9.17E-05	5.03E-06	7.80E-06	1.50E-05	7.55E-07	7.59E-06	1.29E-05	9.59E-07	4.31E-06	7.13E-06	2.36E-07
5629	740227.97	4112021.72	5.04E-05	9.19E-05	5.04E-06	7.82E-06	1.51E-05	7.57E-07	7.60E-06	1.30E-05	9.61E-07	4.32E-06	7.15E-06	2.37E-07
5630	740208.15	4112008.03	5.06E-05	9.22E-05	5.06E-06	7.85E-06	1.51E-05	7.60E-07	7.63E-06	1.30E-05	9.65E-07	4.34E-06	7.18E-06	2.38E-07
5631	740188.33	4111994.34	5.09E-05	9.28E-05	5.09E-06	7.90E-06	1.52E-05	7.64E-07	7.68E-06	1.31E-05	9.70E-07	4.36E-06	7.22E-06	2.39E-07
5632	740168.52	4111980.65	5.13E-05	9.35E-05	5.14E-06	7.96E-06	1.53E-05	7.71E-07	7.74E-06	1.32E-05	9.78E-07	4.40E-06	7.28E-06	2.41E-07
5633	740148.7	4111966.97	5.19E-05	9.46E-05	5.19E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.89E-07	4.45E-06	7.36E-06	2.44E-07
5634	740128.89	4111953.28	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
5635	740109.07	4111939.59	5.34E-05	9.72E-05	5.34E-06	8.27E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
5636	740089.25	4111925.91	5.42E-05	9.88E-05	5.43E-06	8.41E-06	1.62E-05	8.14E-07	8.18E-06	1.39E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
5637	740069.44	4111912.22	5.52E-05	1.01E-04	5.52E-06	8.56E-06	1.65E-05	8.28E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.83E-06	2.59E-07
5638	740049.62	4111898.53	5.62E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.82E-06	7.97E-06	2.64E-07
5639	740029.81	4111884.84	5.72E-05	1.04E-04	5.72E-06	8.87E-06	1.71E-05	8.58E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
5640	740009.99	4111871.16	5.82E-05	1.06E-04	5.82E-06	9.03E-06	1.74E-05	8.73E-07	8.78E-06	1.50E-05	1.11E-06	4.99E-06	8.25E-06	2.74E-07
5641	739990.18	4111857.47	5.91E-05	1.08E-04	5.92E-06	9.17E-06	1.77E-05	8.88E-07	8.92E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
5642	739970.36	4111843.78	6.00E-05	1.09E-04	6.01E-06	9.31E-06	1.79E-05	9.01E-07	9.05E-06	1.54E-05	1.14E-06	5.14E-06	8.51E-06	2.82E-07
5643	739950.54	4111830.1	6.08E-05	1.11E-04	6.09E-06	9.43E-06	1.82E-05	9.13E-07	9.17E-06	1.56E-05	1.16E-06	5.21E-06	8.62E-06	2.86E-07
5644	739930.73	4111816.41	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.23E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
5645	739910.91	4111802.72	6.21E-05	1.13E-04	6.22E-06	9.63E-06	1.86E-05	9.32E-07	9.37E-06	1.60E-05	1.18E-06	5.32E-06	8.81E-06	2.92E-07
5646	739891.1	4111789.03	6.27E-05	1.14E-04	6.27E-06	9.72E-06	1.87E-05	9.40E-07	9.45E-06	1.61E-05	1.19E-06	5.37E-06	8.88E-06	2.94E-07
5647	739871.28	4111775.35	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.96E-07
5648	739851.46	4111761.66	6.34E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.52E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	9.00E-06	2.98E-07
5649	739831.65	4111747.97	6.37E-05	1.16E-04	6.38E-06	9.88E-06	1.90E-05	9.56E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
5650	739811.83	4111734.29	6.39E-05	1.16E-04	6.40E-06	9.91E-06	1.91E-05	9.59E-07	9.64E-06	1.64E-05	1.22E-06	5.48E-06	9.06E-06	3.00E-07
5651	739792.02	4111720.6	6.41E-05	1.17E-04	6.41E-06	9.94E-06	1.91E-05	9.62E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5652	739772.2	4111706.91	6.42E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.67E-06	1.65E-05	1.22E-06	5.50E-06	9.10E-06	3.02E-07
5653	739752.38	4111693.23	6.42E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.68E-06	1.65E-05	1.22E-06	5.50E-06	9.10E-06	3.02E-07
5654	739732.57	4111679.54	6.41E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.67E-06	1.65E-05	1.22E-06	5.50E-06	9.09E-06	3.01E-07
5655	739712.75	4111665.85	6.40E-05	1.17E-04	6.41E-06	9.93E-06	1.91E-05	9.61E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5656	739692.94	4111652.16	6.39E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
5657	739673.12	4111638.48	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.55E-07	9.59E-06	1.64E-05	1.21E-06	5.45E-06	9.02E-06	2.99E-07
5658	743433.84	4112414.77	1.84E-05	3.35E-05	1.84E-06	2.85E-06	5.49E-06	2.76E-07	2.77E-06	4.73E-06	3.50E-07	1.58E-06	2.61E-06	8.64E-08
5659	743453.95	4112401.28	1.82E-05	3.31E-05	1.82E-06	2.82E-06	5.43E-06	2.73E-07	2.74E-06	4.67E-06	3.46E-07	1.56E-06	2.58E-06	8.54E-08
5660	743474.06	4112387.78	1.79E-05	3.27E-05	1.79E-06	2.78E-06	5.35E-06	2.69E-07	2.70E-06	4.61E-06	3.41E-07	1.54E-06	2.54E-06	8.42E-08
5661	743494.17	4112374.29	1.77E-05	3.22E-05	1.77E-06	2.74E-06	5.28E-06	2.65E-07	2.67E-06	4.54E-06	3.37E-07	1.51E-06	2.51E-06	8.31E-08
5662	743514.28	4112360.8	1.74E-05	3.17E-05	1.74E-06	2.70E-06	5.20E-06	2.61E-07	2.62E-06	4.47E-06	3.32E-07	1.49E-06	2.47E-06	8.18E-08
5663	743534.39	4112347.31	1.72E-05	3.13E-05	1.72E-06	2.66E-06	5.13E-06	2.58E-07	2.59E-06	4.41E-06	3.27E-07	1.47E-06	2.43E-06	8.06E-08
5664	743554.5	4112333.82	1.69E-05	3.08E-05	1.69E-06	2.62E-06	5.06E-06	2.54E-07	2.55E-06	4.35E-06	3.23E-07	1.45E-06	2.40E-06	7.96E-08
5665	743574.61	4112320.32	1.67E-05	3.05E-05	1.67E-06	2.59E-06	5.00E-06	2.51E-07	2.52E-06	4.30E-06	3.19E-07	1.43E-06	2.37E-06	7.86E-08
5666	743594.72	4112306.83	1.62E-05	2.95E-05	1.62E-06	2.51E-06	4.84E-06	2.43E-07	2.44E-06	4.17E-06	3.09E-07	1.39E-06	2.30E-06	7.61E-08
5667	743614.83	4112293.34	1.60E-05	2.92E-05	1.61E-06	2.49E-06	4.79E-06	2.41E-07	2.42E-06	4.13E-06	3.06E-07	1.38E-06	2.28E-06	7.54E-08
5668	743634.94	4112279.85	1.60E-05	2.91E-05	1.60E-06	2.48E-06	4.77E-06	2.40E-07	2.41E-06	4.11E-06	3.05E-07	1.37E-06	2.27E-06	7.51E-08
5669	743655.05	4112266.35	1.60E-05	2.92E-05	1.60E-06	2.49E-06	4.79E-06	2.41E-07	2.42E-06	4.12E-06	3.06E-07	1.37E-06	2.27E-06	7.54E-08
5670	743675.16	4112252.86	1.62E-05	2.96E-05	1.63E-06	2.52E-06	4.85E-06	2.44E-07	2.45E-06	4.18E-06	3.10E-07	1.39E-06	2.30E-06	7.64E-08
5671	743695.27	4112239.37	1.66E-05	3.02E-05	1.66E-06	2.57E-06	4.95E-06	2.49E-07	2.50E-06	4.26E-06	3.16E-07	1.42E-06	2.35E-06	7.79E-08
5672	743633.09	4112751.54	1.57E-05	2.86E-05	1.57E-06	2.43E-06	4.69E-06	2.36E-07	2.37E-06	4.03E-06	2.99E-07	1.34E-06	2.22E-06	7.37E-08
5673	743609.48	4112756.14	1.59E-05	2.90E-05	1.59E-06	2.47E-06	4.75E-06	2.39E-07	2.40E-06	4.09E-06	3.03E-07	1.36E-06	2.26E-06	7.48E-08
5674	743585.87	4112760.74	1.61E-05	2.94E-05	1.61E-06	2.50E-06	4.81E-06	2.42E-07	2.43E-06	4.14E-06	3.07E-07	1.38E-06	2.28E-06	7.57E-08
5675	743562.25	4112765.34	1.63E-05	2.96E-05	1.63E-06	2.52E-06	4.86E-06	2.44E-07	2.45E-06	4.18E-06	3.10E-07	1.39E-06	2.31E-06	7.64E-08
5676	743538.64	4112769.94	1.63E-05	2.98E-05	1.64E-06	2.54E-06	4.88E-06	2.45E-07	2.47E-06	4.20E-06	3.12E-07	1.40E-06	2.32E-06	7.68E-08
5677	743515.03	4112774.55	1.64E-05	2.99E-05	1.64E-06	2.54E-06	4.90E-06	2.46E-07	2.47E-06	4.22E-06	3.13E-07	1.41E-06	2.33E-06	7.71E-08
5678	743491.42	4112779.15	1.64E-05	2.99E-05	1.64E-06	2.55E-06	4.90E-06	2.46E-07	2.48E-06	4.22E-06	3.13E-07	1.41E-06	2.33E-06	7.71E-08
5679	743467.8	4112783.75	1.64E-05	2.99E-05	1.64E-06	2.54E-06	4.89E-06	2.46E-07	2.47E-06	4.21E-06	3.12E-07	1.40E-06	2.32E-06	7.70E-08
5680	743444.19	4112788.35	1.63E-05	2.97E-05	1.63E-06	2.53E-06	4.87E-06	2.45E-07	2.46E-06	4.19E-06	3.11E-07	1.40E-06	2.31E-06	7.66E-08
5681	743420.58	4112792.95	1.62E-05	2.95E-05	1.62E-06	2.51E-06	4.84E-06	2.43E-07	2.44E-06	4.17E-06	3.09E-07	1.39E-06	2.30E-06	7.61E-08
5682	743396.97	4112797.55	1.61E-05	2.93E-05	1.61E-06	2.49E-06	4.80E-06	2.41E-07	2.42E-06	4.13E-06	3.06E-07	1.38E-06	2.28E-06	7.55E-08
5683	743373.36	4112802.16	1.60E-05	2.91E-05	1.60E-06	2.48E-06	4.78E-06	2.40E-07	2.41E-06	4.11E-06	3.05E-07	1.37E-06	2.27E-06	7.52E-08
5684	743349.74	4112806.76	1.59E-05	2.90E-05	1.59E-06	2.46E-06	4.75E-06	2.39E-07	2.40E-06	4.09E-06	3.03E-07	1.36E-06	2.25E-06	7.47E-08

5685	743326.13	4112811.36	1.58E-05	2.88E-05	1.58E-06	2.45E-06	4.72E-06	2.37E-07	2.38E-06	4.06E-06	3.01E-07	1.35E-06	2.24E-06	7.43E-08
5686	743302.52	4112815.96	1.57E-05	2.86E-05	1.57E-06	2.44E-06	4.69E-06	2.36E-07	2.37E-06	4.04E-06	2.99E-07	1.35E-06	2.23E-06	7.38E-08
5687	743278.91	4112820.56	1.56E-05	2.85E-05	1.57E-06	2.43E-06	4.67E-06	2.35E-07	2.36E-06	4.02E-06	2.98E-07	1.34E-06	2.22E-06	7.35E-08
5688	743255.29	4112825.16	1.56E-05	2.84E-05	1.56E-06	2.42E-06	4.66E-06	2.34E-07	2.35E-06	4.01E-06	2.97E-07	1.34E-06	2.21E-06	7.33E-08
5689	743231.68	4112829.77	1.56E-05	2.84E-05	1.56E-06	2.42E-06	4.66E-06	2.34E-07	2.35E-06	4.01E-06	2.97E-07	1.34E-06	2.21E-06	7.33E-08
5690	743208.07	4112834.37	1.56E-05	2.84E-05	1.56E-06	2.42E-06	4.66E-06	2.34E-07	2.35E-06	4.01E-06	2.97E-07	1.34E-06	2.21E-06	7.33E-08
5691	743184.46	4112838.97	1.56E-05	2.85E-05	1.57E-06	2.43E-06	4.67E-06	2.35E-07	2.36E-06	4.02E-06	2.98E-07	1.34E-06	2.22E-06	7.35E-08
5692	743160.84	4112843.57	1.57E-05	2.87E-05	1.57E-06	2.44E-06	4.70E-06	2.36E-07	2.37E-06	4.04E-06	3.00E-07	1.35E-06	2.23E-06	7.39E-08
5693	743137.23	4112848.17	1.58E-05	2.89E-05	1.58E-06	2.46E-06	4.73E-06	2.38E-07	2.39E-06	4.07E-06	3.02E-07	1.36E-06	2.25E-06	7.44E-08
5694	743113.62	4112852.78	1.60E-05	2.91E-05	1.60E-06	2.48E-06	4.77E-06	2.40E-07	2.41E-06	4.11E-06	3.05E-07	1.37E-06	2.27E-06	7.51E-08
5695	743090.01	4112857.38	1.61E-05	2.94E-05	1.62E-06	2.50E-06	4.82E-06	2.42E-07	2.44E-06	4.15E-06	3.08E-07	1.38E-06	2.29E-06	7.59E-08
5696	743066.39	4112861.98	1.63E-05	2.98E-05	1.64E-06	2.54E-06	4.88E-06	2.45E-07	2.47E-06	4.20E-06	3.12E-07	1.40E-06	2.32E-06	7.68E-08
5697	743042.78	4112866.58	1.66E-05	3.02E-05	1.66E-06	2.57E-06	4.95E-06	2.49E-07	2.50E-06	4.26E-06	3.16E-07	1.42E-06	2.35E-06	7.79E-08
5698	743019.17	4112871.18	1.68E-05	3.07E-05	1.69E-06	2.61E-06	5.03E-06	2.53E-07	2.54E-06	4.33E-06	3.21E-07	1.44E-06	2.39E-06	7.92E-08
5699	742995.56	4112875.78	1.71E-05	3.12E-05	1.71E-06	2.66E-06	5.12E-06	2.57E-07	2.58E-06	4.41E-06	3.27E-07	1.47E-06	2.43E-06	8.05E-08
5700	742971.95	4112880.39	1.75E-05	3.18E-05	1.75E-06	2.71E-06	5.22E-06	2.62E-07	2.63E-06	4.49E-06	3.33E-07	1.50E-06	2.48E-06	8.21E-08
5701	742948.33	4112884.99	1.78E-05	3.25E-05	1.78E-06	2.76E-06	5.32E-06	2.67E-07	2.69E-06	4.58E-06	3.40E-07	1.53E-06	2.53E-06	8.37E-08
5702	742924.72	4112889.59	1.82E-05	3.32E-05	1.82E-06	2.82E-06	5.44E-06	2.73E-07	2.75E-06	4.68E-06	3.47E-07	1.56E-06	2.58E-06	8.56E-08
5703	742901.11	4112894.19	1.86E-05	3.39E-05	1.86E-06	2.89E-06	5.56E-06	2.79E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.75E-08
5704	742877.5	4112898.79	1.91E-05	3.47E-05	1.91E-06	2.96E-06	5.70E-06	2.86E-07	2.88E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.96E-08
5705	742853.88	4112903.39	1.95E-05	3.56E-05	1.95E-06	3.03E-06	5.84E-06	2.93E-07	2.95E-06	5.02E-06	3.72E-07	1.67E-06	2.77E-06	9.18E-08
5706	742830.27	4112908	2.00E-05	3.65E-05	2.00E-06	3.11E-06	5.99E-06	3.01E-07	3.02E-06	5.15E-06	3.82E-07	1.72E-06	2.84E-06	9.42E-08
5707	742806.66	4112912.6	2.06E-05	3.75E-05	2.06E-06	3.19E-06	6.14E-06	3.09E-07	3.10E-06	5.28E-06	3.92E-07	1.76E-06	2.91E-06	9.66E-08
5708	742783.05	4112917.2	2.11E-05	3.84E-05	2.11E-06	3.27E-06	6.30E-06	3.16E-07	3.18E-06	5.42E-06	4.02E-07	1.81E-06	2.99E-06	9.91E-08
5709	742759.43	4112921.8	2.16E-05	3.94E-05	2.16E-06	3.35E-06	6.46E-06	3.24E-07	3.26E-06	5.56E-06	4.12E-07	1.85E-06	3.06E-06	1.02E-07
5710	742735.82	4112926.4	2.22E-05	4.04E-05	2.22E-06	3.43E-06	6.62E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
5711	742712.21	4112931	2.27E-05	4.13E-05	2.27E-06	3.51E-06	6.77E-06	3.40E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.21E-06	1.07E-07
5712	742688.6	4112935.61	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.47E-07	3.49E-06	5.95E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
5713	742664.99	4112940.21	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5714	742641.37	4112944.81	2.40E-05	4.37E-05	2.40E-06	3.72E-06	7.17E-06	3.60E-07	3.62E-06	6.17E-06	4.57E-07	2.06E-06	3.40E-06	1.13E-07
5715	742617.76	4112949.41	2.43E-05	4.44E-05	2.44E-06	3.78E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
5716	742594.15	4112954.01	2.46E-05	4.49E-05	2.46E-06	3.82E-06	7.36E-06	3.70E-07	3.71E-06	6.33E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
5717	742570.54	4112958.62	2.48E-05	4.53E-05	2.49E-06	3.85E-06	7.42E-06	3.73E-07	3.75E-06	6.39E-06	4.73E-07	2.13E-06	3.52E-06	1.17E-07
5718	742546.92	4112963.22	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.43E-06	4.76E-07	2.14E-06	3.54E-06	1.17E-07
5719	742523.31	4112967.82	2.51E-05	4.58E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.46E-06	4.79E-07	2.15E-06	3.56E-06	1.18E-07
5720	742499.7	4112972.42	2.52E-05	4.58E-05	2.52E-06	3.90E-06	7.52E-06	3.78E-07	3.79E-06	6.47E-06	4.79E-07	2.16E-06	3.57E-06	1.18E-07
5721	742476.09	4112977.02	2.51E-05	4.58E-05	2.52E-06	3.90E-06	7.51E-06	3.77E-07	3.79E-06	6.46E-06	4.79E-07	2.15E-06	3.57E-06	1.18E-07
5722	742452.47	4112981.62	2.51E-05	4.57E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.45E-06	4.78E-07	2.15E-06	3.56E-06	1.18E-07
5723	742428.86	4112986.23	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.48E-06	3.76E-07	3.78E-06	6.44E-06	4.77E-07	2.15E-06	3.55E-06	1.18E-07
5724	742405.25	4112990.83	2.49E-05	4.54E-05	2.49E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07
5725	742381.64	4112995.43	2.48E-05	4.53E-05	2.48E-06	3.85E-06	7.42E-06	3.73E-07	3.74E-06	6.38E-06	4.73E-07	2.13E-06	3.52E-06	1.17E-07
5726	742358.03	4113000.03	2.47E-05	4.50E-05	2.47E-06	3.83E-06	7.39E-06	3.71E-07	3.73E-06	6.36E-06	4.71E-07	2.12E-06	3.51E-06	1.16E-07
5727	742334.41	4113004.63	2.46E-05	4.49E-05	2.46E-06	3.82E-06	7.36E-06	3.70E-07	3.71E-06	6.33E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
5728	742310.8	4113009.23	2.45E-05	4.47E-05	2.45E-06	3.80E-06	7.33E-06	3.68E-07	3.70E-06	6.30E-06	4.67E-07	2.10E-06	3.48E-06	1.15E-07
5729	742287.19	4113013.84	2.44E-05	4.45E-05	2.45E-06	3.79E-06	7.30E-06	3.67E-07	3.69E-06	6.28E-06	4.66E-07	2.09E-06	3.47E-06	1.15E-07
5730	742263.58	4113018.44	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.29E-06	3.66E-07	3.68E-06	6.27E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
5731	742239.96	4113023.04	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.15E-07
5732	742216.35	4113027.64	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
5733	742192.74	4113032.24	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.68E-06	6.27E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
5734	742169.13	4113036.84	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.30E-06	3.67E-07	3.68E-06	6.28E-06	4.66E-07	2.09E-06	3.46E-06	1.15E-07
5735	742145.51	4113041.45	2.45E-05	4.47E-05	2.45E-06	3.80E-06	7.33E-06	3.68E-07	3.70E-06	6.30E-06	4.67E-07	2.10E-06	3.48E-06	1.15E-07
5736	742121.9	4113046.05	2.46E-05	4.49E-05	2.46E-06	3.82E-06	7.36E-06	3.70E-07	3.71E-06	6.33E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
5737	742098.29	4113050.65	2.48E-05	4.52E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.74E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
5738	742074.68	4113055.25	2.49E-05	4.55E-05	2.50E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07
5739	742051.07	4113059.85	2.51E-05	4.58E-05	2.52E-06	3.90E-06	7.51E-06	3.77E-07	3.79E-06	6.46E-06	4.79E-07	2.15E-06	3.57E-06	1.18E-07
5740	742027.45	4113064.46	2.54E-05	4.62E-05	2.54E-06	3.93E-06	7.58E-06	3.81E-07	3.82E-06	6.52E-06	4.83E-07	2.17E-06	3.60E-06	1.19E-07
5741	742003.84	4113069.06	2.56E-05	4.66E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
5742	741980.23	4113073.66	2.58E-05	4.71E-05	2.59E-06	4.01E-06	7.72E-06	3.88E-07	3.90E-06	6.64E-06	4.92E-07	2.21E-06	3.66E-06	1.21E-07
5743	741956.62	4113078.26	2.61E-05	4.75E-05	2.61E-06	4.05E-06	7.80E-06	3.92E-07	3.93E-06	6.71E-06	4.97E-07	2.24E-06	3.70E-06	1.23E-07
5744	741933	4113082.86	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
5745	741909.39	4113087.46	2.66E-05	4.85E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
5746	741885.78	4113092.07	2.68E-05	4.89E-05	2.69E-06	4.16E-06	8.02E-06	4.03E-07	4.05E-06	6.90E-06	5.11E-07	2.30E-06	3.81E-06	1.26E-07
5747	741862.17	4113096.67	2.71E-05	4.93E-05	2.71E-06	4.20E-06	8.09E-06	4.06E-07	4.08E-06	6.96E-06	5.16E-07	2.32E-06	3.84E-06	1.27E-07
5748	741838.55	4113101.27	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.15E-06	4.10E-07	4.12E-06	7.02E-06	5.20E-07	2.34E-06	3.87E-06	1.28E-07
5749	741814.94	4113105.87	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.13E-07	4.15E-06	7.07E-06	5.24E-07	2.36E-06	3.90E-06	1.29E-07
5750	741791.33	4113110.47	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.27E-06	4.16E-07	4.17E-06	7.12E-06	5.28E-07	2.37E-06	3.93E-06	1.30E-07
5751	741767.72	4113115.07	2.79E-05	5.08E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
5752	741744.11	4113119.68	2.80E-05	5.11E-05	2.80E-06	4.35E-06	8.37E-06	4.21E-07	4.23E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
5753	741720.49	4113124.28	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
5754	741696.88	4113128.88	2.83E-05	5.16E-05	2.83E-06	4.39E-06	8.46E-06	4.25E-07	4.27E-06	7.28E-06	5.39E-07	2.43E-06	4.01E-06	1.33E-07
5755	741673.27	4113133.48	2.84E-05	5.18E-05	2.85E-06	4.41E-06	8.50E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
5756	741649.66	4113138.08	2.86E-05	5.21E-05	2.86E-06	4.43E-06	8.54E-06	4.29E-07	4.31E-06	7.35E-06	5.45E-07	2.45E-06	4.05E-06	1.34E-07

5757	741626.04	4113142.68	2.87E-05	5.24E-05	2.88E-06	4.46E-06	8.59E-06	4.31E-07	4.33E-06	7.39E-06	5.48E-07	2.46E-06	4.08E-06	1.35E-07
5758	741602.43	4113147.29	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
5759	741578.82	4113151.89	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.69E-06	4.36E-07	4.38E-06	7.47E-06	5.54E-07	2.49E-06	4.12E-06	1.37E-07
5760	741555.21	4113156.49	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.74E-06	4.39E-07	4.41E-06	7.52E-06	5.57E-07	2.51E-06	4.15E-06	1.37E-07
5761	741531.59	4113161.09	2.94E-05	5.37E-05	2.95E-06	4.57E-06	8.80E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
5762	741507.98	4113165.69	2.96E-05	5.40E-05	2.97E-06	4.60E-06	8.85E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
5763	741484.37	4113170.3	2.98E-05	5.44E-05	2.99E-06	4.63E-06	8.91E-06	4.48E-07	4.50E-06	7.67E-06	5.69E-07	2.56E-06	4.23E-06	1.40E-07
5764	741460.76	4113174.9	3.00E-05	5.47E-05	3.00E-06	4.65E-06	8.97E-06	4.50E-07	4.53E-06	7.72E-06	5.72E-07	2.57E-06	4.26E-06	1.41E-07
5765	741437.15	4113179.5	3.02E-05	5.50E-05	3.02E-06	4.68E-06	9.02E-06	4.53E-07	4.55E-06	7.76E-06	5.75E-07	2.59E-06	4.28E-06	1.42E-07
5766	741413.53	4113184.1	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.79E-06	5.78E-07	2.60E-06	4.30E-06	1.42E-07
5767	741389.92	4113188.7	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.56E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
5768	741366.31	4113193.3	3.05E-05	5.55E-05	3.05E-06	4.73E-06	9.11E-06	4.57E-07	4.60E-06	7.84E-06	5.81E-07	2.61E-06	4.32E-06	1.43E-07
5769	741342.7	4113197.91	3.05E-05	5.56E-05	3.05E-06	4.73E-06	9.12E-06	4.58E-07	4.60E-06	7.85E-06	5.82E-07	2.62E-06	4.33E-06	1.43E-07
5770	741319.08	4113202.51	3.05E-05	5.56E-05	3.05E-06	4.73E-06	9.12E-06	4.58E-07	4.60E-06	7.84E-06	5.81E-07	2.61E-06	4.33E-06	1.43E-07
5771	741275.68	4113193.44	3.06E-05	5.58E-05	3.06E-06	4.75E-06	9.15E-06	4.59E-07	4.62E-06	7.87E-06	5.83E-07	2.62E-06	4.34E-06	1.44E-07
5772	741255.88	4113179.77	3.07E-05	5.60E-05	3.08E-06	4.77E-06	9.18E-06	4.61E-07	4.63E-06	7.90E-06	5.86E-07	2.63E-06	4.36E-06	1.44E-07
5773	741236.09	4113166.09	3.08E-05	5.62E-05	3.08E-06	4.78E-06	9.21E-06	4.63E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
5774	741216.3	4113152.42	3.09E-05	5.63E-05	3.09E-06	4.79E-06	9.24E-06	4.64E-07	4.66E-06	7.95E-06	5.89E-07	2.65E-06	4.38E-06	1.45E-07
5775	741196.5	4113138.75	3.10E-05	5.65E-05	3.10E-06	4.80E-06	9.26E-06	4.65E-07	4.67E-06	7.96E-06	5.90E-07	2.65E-06	4.39E-06	1.46E-07
5776	741176.71	4113125.08	3.11E-05	5.66E-05	3.11E-06	4.82E-06	9.28E-06	4.66E-07	4.68E-06	7.98E-06	5.92E-07	2.66E-06	4.40E-06	1.46E-07
5777	741156.91	4113111.41	3.11E-05	5.67E-05	3.12E-06	4.83E-06	9.30E-06	4.67E-07	4.70E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
5778	741137.12	4113097.73	3.12E-05	5.69E-05	3.13E-06	4.85E-06	9.34E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
5779	741117.33	4113084.06	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.38E-06	4.71E-07	4.73E-06	8.07E-06	5.98E-07	2.69E-06	4.45E-06	1.48E-07
5780	741097.53	4113070.39	3.15E-05	5.75E-05	3.16E-06	4.89E-06	9.43E-06	4.74E-07	4.76E-06	8.11E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
5781	741077.74	4113056.72	3.17E-05	5.78E-05	3.18E-06	4.92E-06	9.48E-06	4.76E-07	4.79E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
5782	741057.94	4113043.05	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
5783	741038.15	4113029.38	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.86E-06	8.28E-06	6.14E-07	2.76E-06	4.57E-06	1.51E-07
5784	741018.36	4113015.7	3.25E-05	5.92E-05	3.25E-06	5.04E-06	9.70E-06	4.87E-07	4.90E-06	8.35E-06	6.19E-07	2.78E-06	4.60E-06	1.53E-07
5785	740998.56	4113002.03	3.28E-05	5.97E-05	3.28E-06	5.08E-06	9.79E-06	4.92E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.65E-06	1.54E-07
5786	740978.77	4112988.36	3.31E-05	6.02E-05	3.31E-06	5.13E-06	9.88E-06	4.96E-07	4.99E-06	8.50E-06	6.30E-07	2.83E-06	4.69E-06	1.55E-07
5787	740958.98	4112974.69	3.34E-05	6.08E-05	3.34E-06	5.18E-06	9.97E-06	5.01E-07	5.03E-06	8.58E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
5788	740939.18	4112961.02	3.37E-05	6.13E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.65E-06	6.42E-07	2.88E-06	4.77E-06	1.58E-07
5789	740919.39	4112947.34	3.39E-05	6.18E-05	3.40E-06	5.26E-06	1.01E-05	5.09E-07	5.12E-06	8.72E-06	6.47E-07	2.91E-06	4.81E-06	1.59E-07
5790	740899.59	4112933.67	3.42E-05	6.23E-05	3.42E-06	5.30E-06	1.02E-05	5.13E-07	5.15E-06	8.79E-06	6.51E-07	2.93E-06	4.85E-06	1.61E-07
5791	740879.8	4112920	3.44E-05	6.27E-05	3.44E-06	5.33E-06	1.03E-05	5.16E-07	5.19E-06	8.84E-06	6.56E-07	2.95E-06	4.88E-06	1.62E-07
5792	740860.01	4112906.33	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.22E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
5793	740840.21	4112892.66	3.47E-05	6.33E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.92E-06	1.63E-07
5794	740820.42	4112878.98	3.48E-05	6.35E-05	3.48E-06	5.40E-06	1.04E-05	5.23E-07	5.25E-06	8.95E-06	6.64E-07	2.98E-06	4.94E-06	1.64E-07
5795	740800.62	4112865.31	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
5796	740780.83	4112851.64	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
5797	740761.04	4112837.97	3.48E-05	6.34E-05	3.48E-06	5.40E-06	1.04E-05	5.22E-07	5.25E-06	8.95E-06	6.63E-07	2.98E-06	4.93E-06	1.64E-07
5798	740741.24	4112824.3	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.23E-06	8.92E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
5799	740721.45	4112810.63	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.21E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
5800	740701.65	4112796.95	3.43E-05	6.25E-05	3.43E-06	5.32E-06	1.03E-05	5.15E-07	5.18E-06	8.82E-06	6.54E-07	2.94E-06	4.87E-06	1.61E-07
5801	740681.86	4112783.28	3.41E-05	6.21E-05	3.41E-06	5.28E-06	1.02E-05	5.11E-07	5.14E-06	8.76E-06	6.49E-07	2.92E-06	4.83E-06	1.60E-07
5802	740662.07	4112769.61	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.07E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.79E-06	1.59E-07
5803	740642.27	4112755.94	3.35E-05	6.10E-05	3.35E-06	5.19E-06	1.00E-05	5.03E-07	5.05E-06	8.61E-06	6.38E-07	2.87E-06	4.75E-06	1.57E-07
5804	740622.48	4112742.27	3.32E-05	6.04E-05	3.32E-06	5.14E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.70E-06	1.56E-07
5805	740602.69	4112728.59	3.28E-05	5.98E-05	3.29E-06	5.09E-06	9.81E-06	4.93E-07	4.95E-06	8.44E-06	6.26E-07	2.81E-06	4.66E-06	1.54E-07
5806	740582.89	4112714.92	3.25E-05	5.93E-05	3.26E-06	5.05E-06	9.72E-06	4.88E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.61E-06	1.53E-07
5807	740563.1	4112701.25	3.23E-05	5.88E-05	3.23E-06	5.00E-06	9.64E-06	4.84E-07	4.87E-06	8.29E-06	6.15E-07	2.76E-06	4.57E-06	1.52E-07
5808	740543.3	4112687.58	3.20E-05	5.84E-05	3.21E-06	4.97E-06	9.57E-06	4.81E-07	4.83E-06	8.24E-06	6.11E-07	2.75E-06	4.54E-06	1.51E-07
5809	740523.51	4112673.91	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
5810	740503.72	4112660.23	3.18E-05	5.80E-05	3.18E-06	4.93E-06	9.50E-06	4.77E-07	4.80E-06	8.18E-06	6.06E-07	2.73E-06	4.51E-06	1.49E-07
5811	740483.92	4112646.56	3.18E-05	5.80E-05	3.19E-06	4.94E-06	9.51E-06	4.78E-07	4.80E-06	8.18E-06	6.07E-07	2.73E-06	4.51E-06	1.50E-07
5812	740464.13	4112632.89	3.20E-05	5.83E-05	3.20E-06	4.96E-06	9.56E-06	4.80E-07	4.82E-06	8.22E-06	6.10E-07	2.74E-06	4.54E-06	1.50E-07
5813	740444.33	4112619.22	3.23E-05	5.88E-05	3.23E-06	5.00E-06	9.64E-06	4.84E-07	4.87E-06	8.29E-06	6.15E-07	2.76E-06	4.57E-06	1.52E-07
5814	740424.54	4112605.55	3.27E-05	5.95E-05	3.27E-06	5.07E-06	9.76E-06	4.90E-07	4.93E-06	8.40E-06	6.22E-07	2.80E-06	4.63E-06	1.54E-07
5815	740404.75	4112591.87	3.32E-05	6.05E-05	3.32E-06	5.14E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.70E-06	1.56E-07
5816	740384.95	4112578.2	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.07E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.79E-06	1.59E-07
5817	740365.16	4112564.53	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.21E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
5818	740345.37	4112550.86	3.53E-05	6.43E-05	3.53E-06	5.48E-06	1.05E-05	5.30E-07	5.33E-06	9.08E-06	6.73E-07	3.03E-06	5.01E-06	1.66E-07
5819	740325.57	4112537.19	3.62E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.45E-06	9.30E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
5820	740305.78	4112523.52	3.70E-05	6.75E-05	3.71E-06	5.74E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
5821	740285.98	4112509.84	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.74E-06	7.22E-07	3.25E-06	5.37E-06	1.78E-07
5822	740266.19	4112496.17	3.87E-05	7.06E-05	3.88E-06	6.01E-06	1.16E-05	5.81E-07	5.84E-06	9.96E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
5823	740246.4	4112482.5	3.95E-05	7.20E-05	3.95E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.39E-06	5.60E-06	1.86E-07
5824	740226.6	4112468.83	4.02E-05	7.32E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
5825	740206.81	4112455.16	4.08E-05	7.43E-05	4.08E-06	6.32E-06	1.22E-05	6.12E-07	6.15E-06	1.05E-05	7.77E-07	3.49E-06	5.78E-06	1.92E-07
5826	740187.01	4112441.48	4.12E-05	7.52E-05	4.13E-06	6.40E-06	1.23E-05	6.19E-07	6.22E-06	1.06E-05	7.86E-07	3.53E-06	5.85E-06	1.94E-07
5827	740167.22	4112427.81	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
5828	740147.43	4112414.14	4.19E-05	7.63E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.97E-07	3.59E-06	5.93E-06	1.97E-07

5829	740127.63	4112400.47	4.20E-05	7.65E-05	4.20E-06	6.51E-06	1.25E-05	6.30E-07	6.33E-06	1.08E-05	8.00E-07	3.60E-06	5.96E-06	1.97E-07
5830	740107.84	4112386.8	4.21E-05	7.67E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
5831	740088.04	4112373.12	4.21E-05	7.67E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
5832	740068.25	4112359.45	4.20E-05	7.66E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.01E-07	3.60E-06	5.96E-06	1.98E-07
5833	740048.46	4112345.78	4.20E-05	7.65E-05	4.20E-06	6.51E-06	1.25E-05	6.30E-07	6.33E-06	1.08E-05	8.00E-07	3.60E-06	5.95E-06	1.97E-07
5834	740028.66	4112332.11	4.19E-05	7.64E-05	4.19E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.99E-07	3.59E-06	5.94E-06	1.97E-07
5835	740008.87	4112318.44	4.19E-05	7.63E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.98E-07	3.59E-06	5.94E-06	1.97E-07
5836	739989.08	4112304.77	4.19E-05	7.63E-05	4.19E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.98E-07	3.59E-06	5.94E-06	1.97E-07
5837	739969.28	4112291.09	4.19E-05	7.64E-05	4.20E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.99E-07	3.59E-06	5.95E-06	1.97E-07
5838	739949.49	4112277.42	4.21E-05	7.67E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
5839	739929.69	4112263.75	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.62E-06	6.00E-06	1.99E-07
5840	739909.9	4112250.08	4.26E-05	7.76E-05	4.26E-06	6.60E-06	1.27E-05	6.39E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.04E-06	2.00E-07
5841	739890.11	4112236.41	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
5842	739870.31	4112222.73	4.34E-05	7.91E-05	4.35E-06	6.74E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.28E-07	3.72E-06	6.16E-06	2.04E-07
5843	739850.52	4112209.06	4.40E-05	8.01E-05	4.40E-06	6.82E-06	1.31E-05	6.60E-07	6.63E-06	1.13E-05	8.38E-07	3.77E-06	6.23E-06	2.07E-07
5844	739830.72	4112195.39	4.46E-05	8.13E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.50E-07	3.82E-06	6.32E-06	2.10E-07
5845	739810.93	4112181.72	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
5846	739791.14	4112168.05	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
5847	739771.34	4112154.37	4.68E-05	8.52E-05	4.68E-06	7.26E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.92E-07	4.01E-06	6.63E-06	2.20E-07
5848	739751.55	4112140.7	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.17E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
5849	739731.76	4112127.03	4.83E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.25E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.85E-06	2.27E-07
5850	739711.96	4112113.36	4.90E-05	8.93E-05	4.91E-06	7.60E-06	1.46E-05	7.36E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
5851	739692.17	4112099.69	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.04E-06	2.33E-07
5852	739672.37	4112086.02	5.03E-05	9.16E-05	5.03E-06	7.80E-06	1.50E-05	7.55E-07	7.58E-06	1.29E-05	9.58E-07	4.31E-06	7.13E-06	2.36E-07
5853	739652.58	4112072.34	5.08E-05	9.25E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
5854	739632.79	4112058.67	5.12E-05	9.33E-05	5.13E-06	7.94E-06	1.53E-05	7.69E-07	7.72E-06	1.32E-05	9.76E-07	4.39E-06	7.26E-06	2.41E-07
5855	739612.99	4112045	5.16E-05	9.40E-05	5.16E-06	8.00E-06	1.54E-05	7.75E-07	7.78E-06	1.33E-05	9.83E-07	4.42E-06	7.32E-06	2.43E-07
5856	739593.2	4112031.33	5.19E-05	9.46E-05	5.19E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.89E-07	4.45E-06	7.36E-06	2.44E-07
5857	739573.4	4112017.66	5.22E-05	9.51E-05	5.22E-06	8.09E-06	1.56E-05	7.83E-07	7.87E-06	1.34E-05	9.94E-07	4.47E-06	7.40E-06	2.45E-07
5858	739553.61	4112003.98	5.24E-05	9.55E-05	5.24E-06	8.12E-06	1.57E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.43E-06	2.46E-07
5859	739533.82	4111990.31	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.51E-06	7.45E-06	2.47E-07
5860	739514.02	4111976.64	5.27E-05	9.61E-05	5.28E-06	8.18E-06	1.57E-05	7.91E-07	7.95E-06	1.36E-05	1.00E-06	4.52E-06	7.48E-06	2.48E-07
5861	739494.23	4111962.97	5.28E-05	9.62E-05	5.29E-06	8.19E-06	1.58E-05	7.93E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.49E-06	2.48E-07
5862	739474.43	4111949.3	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
5863	739454.64	4111935.62	5.30E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
5864	739434.85	4111921.95	5.30E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
5865	739415.05	4111908.28	5.29E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.54E-06	7.50E-06	2.49E-07
5866	739395.26	4111894.61	5.29E-05	9.63E-05	5.29E-06	8.20E-06	1.58E-05	7.93E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.48E-07
5867	739375.47	4111880.94	5.27E-05	9.61E-05	5.28E-06	8.18E-06	1.58E-05	7.92E-07	7.95E-06	1.36E-05	1.01E-06	4.52E-06	7.48E-06	2.48E-07
5868	739355.67	4111867.27	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.51E-06	7.45E-06	2.47E-07
5869	739335.88	4111853.59	5.24E-05	9.54E-05	5.24E-06	8.12E-06	1.56E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.43E-06	2.46E-07
5870	743656.7	4112746.93	1.54E-05	2.81E-05	1.54E-06	2.39E-06	4.61E-06	2.31E-07	2.33E-06	3.96E-06	2.94E-07	1.32E-06	2.19E-06	7.25E-08
5871	743676.81	4112733.44	1.52E-05	2.77E-05	1.52E-06	2.35E-06	4.53E-06	2.28E-07	2.29E-06	3.90E-06	2.89E-07	1.30E-06	2.15E-06	7.13E-08
5872	743696.92	4112719.95	1.49E-05	2.72E-05	1.49E-06	2.31E-06	4.46E-06	2.24E-07	2.25E-06	3.84E-06	2.84E-07	1.28E-06	2.12E-06	7.01E-08
5873	743717.03	4112706.46	1.47E-05	2.68E-05	1.47E-06	2.28E-06	4.40E-06	2.21E-07	2.22E-06	3.78E-06	2.81E-07	1.26E-06	2.09E-06	6.92E-08
5874	743737.14	4112692.97	1.45E-05	2.64E-05	1.45E-06	2.25E-06	4.33E-06	2.17E-07	2.18E-06	3.72E-06	2.76E-07	1.24E-06	2.05E-06	6.80E-08
5875	743757.25	4112679.47	1.40E-05	2.56E-05	1.41E-06	2.18E-06	4.20E-06	2.11E-07	2.12E-06	3.61E-06	2.68E-07	1.20E-06	1.99E-06	6.60E-08
5876	743777.36	4112665.98	1.38E-05	2.51E-05	1.38E-06	2.14E-06	4.12E-06	2.07E-07	2.08E-06	3.54E-06	2.63E-07	1.18E-06	1.95E-06	6.47E-08
5877	743797.47	4112652.49	1.35E-05	2.46E-05	1.35E-06	2.10E-06	4.04E-06	2.03E-07	2.04E-06	3.48E-06	2.58E-07	1.16E-06	1.92E-06	6.35E-08
5878	743817.58	4112639	1.33E-05	2.42E-05	1.33E-06	2.06E-06	3.97E-06	2.00E-07	2.01E-06	3.42E-06	2.53E-07	1.14E-06	1.89E-06	6.25E-08
5879	743837.69	4112625.5	1.31E-05	2.39E-05	1.31E-06	2.04E-06	3.93E-06	1.97E-07	1.98E-06	3.38E-06	2.50E-07	1.13E-06	1.86E-06	6.18E-08
5880	743857.8	4112612.01	1.30E-05	2.38E-05	1.30E-06	2.02E-06	3.90E-06	1.96E-07	1.97E-06	3.35E-06	2.48E-07	1.12E-06	1.85E-06	6.13E-08
5881	743877.91	4112598.52	1.30E-05	2.37E-05	1.30E-06	2.02E-06	3.89E-06	1.95E-07	1.96E-06	3.34E-06	2.48E-07	1.11E-06	1.84E-06	6.11E-08
5882	743898.02	4112585.03	1.31E-05	2.38E-05	1.31E-06	2.03E-06	3.90E-06	1.96E-07	1.97E-06	3.36E-06	2.49E-07	1.12E-06	1.85E-06	6.14E-08
5883	743918.13	4112571.53	1.32E-05	2.40E-05	1.32E-06	2.05E-06	3.94E-06	1.98E-07	1.99E-06	3.39E-06	2.51E-07	1.13E-06	1.87E-06	6.20E-08

			T2			587	T2L3				T4I				T4F			
						3.63E-08				5.82E-09				5.30E-09				2.88E-09
					583	4110979.28												
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	742157.6	4109901.96	3.11E-06	5.66E-06	3.11E-07	9.08E-06	4.82E-07	9.28E-07	4.66E-08	1.46E-06	4.68E-07	7.98E-07	5.92E-08	1.33E-06	2.66E-07	4.40E-07	1.46E-08	7.21E-07
2	742144.05	4109881.59	2.58E-06	4.70E-06	2.58E-07	7.54E-06	4.00E-07	7.71E-07	3.87E-08	1.21E-06	3.89E-07	6.63E-07	4.92E-08	1.10E-06	2.21E-07	3.66E-07	1.21E-08	5.99E-07
3	742130.5	4109861.23	2.22E-06	4.05E-06	2.22E-07	6.49E-06	3.45E-07	6.64E-07	3.33E-08	1.04E-06	3.35E-07	5.71E-07	4.23E-08	9.48E-07	1.90E-07	3.15E-07	1.04E-08	5.16E-07
4	742116.95	4109840.87	1.81E-06	3.29E-06	1.81E-07	5.28E-06	2.80E-07	5.40E-07	2.71E-08	8.47E-07	2.73E-07	4.65E-07	3.44E-08	7.72E-07	1.55E-07	2.56E-07	8.49E-09	4.20E-07
5	742236.31	4109988.28	1.73E-06	3.16E-06	1.73E-07	5.06E-06	2.69E-07	5.17E-07	2.60E-08	8.12E-07	2.61E-07	4.45E-07	3.30E-08	7.39E-07	1.48E-07	2.46E-07	8.14E-09	4.02E-07
6	742229.43	4110022.89	1.06E-06	1.93E-06	1.06E-07	3.10E-06	1.64E-07	3.17E-07	1.59E-08	4.97E-07	1.60E-07	2.73E-07	2.02E-08	4.53E-07	9.09E-08	1.50E-07	4.98E-09	2.46E-07
7	742178.41	4109888.11	2.60E-06	4.73E-06	2.60E-07	7.59E-06	4.03E-07	7.76E-07	3.90E-08	1.22E-06	3.92E-07	6.67E-07	4.95E-08	1.11E-06	2.22E-07	3.68E-07	1.22E-08	6.03E-07
8	742164.86	4109867.74	2.04E-06	3.71E-06	2.04E-07	5.96E-06	3.16E-07	6.09E-07	3.06E-08	9.55E-07	3.07E-07	5.24E-07	3.88E-08	8.70E-07	1.75E-07	2.89E-07	9.58E-09	4.73E-07
9	742151.31	4109847.38	1.71E-06	3.11E-06	1.71E-07	4.99E-06	2.65E-07	5.10E-07	2.56E-08	8.01E-07	2.58E-07	4.39E-07	3.25E-08	7.29E-07	1.46E-07	2.42E-07	8.03E-09	3.97E-07
10	742137.77	4109827.02	1.39E-06	2.53E-06	1.39E-07	4.06E-06	2.16E-07	4.15E-07	2.09E-08	6.52E-07	2.10E-07	3.57E-07	2.65E-08	5.94E-07	1.19E-07	1.97E-07	6.53E-09	3.23E-07
11	742257.13	4109974.43	1.68E-06	3.06E-06	1.68E-07	4.91E-06	2.61E-07	5.02E-07	2.52E-08	7.88E-07	2.53E-07	4.32E-07	3.20E-08	7.18E-07	1.44E-07	2.38E-07	7.90E-09	3.90E-07
12	742253.95	4110027.77	7.87E-07	1.43E-06	7.87E-08	2.30E-06	1.22E-07	2.35E-07	1.18E-08	3.69E-07	1.19E-07	2.02E-07	1.50E-08	3.36E-07	6.74E-08	1.12E-07	3.70E-09	1.83E-07
13	742199.22	4109874.26	2.22E-06	4.04E-06	2.22E-07	6.47E-06	3.44E-07	6.62E-07	3.33E-08	1.04E-06	3.34E-07	5.70E-07	4.22E-08	9.46E-07	1.90E-07	3.14E-07	1.04E-08	5.14E-07
14	742185.68	4109853.9	1.67E-06	3.04E-06	1.67E-07	4.88E-06	2.59E-07	4.99E-07	2.51E-08	7.83E-07	2.52E-07	4.29E-07	3.18E-08	7.13E-07	1.43E-07	2.37E-07	7.85E-09	3.88E-07
15	742172.13	4109833.53	1.38E-06	2.51E-06	1.38E-07	4.03E-06	2.14E-07	4.12E-07	2.07E-08	6.47E-07	2.08E-07	3.55E-07	2.63E-08	5.89E-07	1.18E-07	1.96E-07	6.48E-09	3.20E-07
16	742158.58	4109813.17	1.13E-06	2.06E-06	1.13E-07	3.30E-06	1.75E-07	3.38E-07	1.70E-08	5.30E-07	1.70E-07	2.91E-07	2.15E-08	4.83E-07	9.69E-08	1.60E-07	5.31E-09	2.62E-07
17	742277.94	4109960.58	1.60E-06	2.91E-06	1.60E-07	4.67E-06	2.48E-07	4.77E-07	2.40E-08	7.49E-07	2.41E-07	4.11E-07	3.04E-08	6.82E-07	1.37E-07	2.26E-07	7.51E-09	3.71E-07
18	742285.35	4109998.03	8.24E-07	1.50E-06	8.24E-08	2.41E-06	1.28E-07	2.46E-07	1.24E-08	3.86E-07	1.24E-07	2.12E-07	1.57E-08	3.52E-07	7.06E-08	1.17E-07	3.87E-09	1.91E-07
19	742278.47	4110032.64	6.04E-07	1.10E-06	6.05E-08	1.77E-06	9.37E-08	1.81E-07	9.07E-09	2.83E-07	9.11E-08	1.55E-07	1.15E-08	2.58E-07	5.18E-08	8.57E-08	2.84E-09	1.40E-07
20	742257.29	4110064.41	5.24E-07	9.55E-07	5.24E-08	1.53E-06	8.13E-08	1.57E-07	7.87E-09	2.46E-07	7.90E-08	1.35E-07	9.99E-09	2.24E-07	4.49E-08	7.43E-08	2.46E-09	1.22E-07
21	742220.04	4109860.41	1.88E-06	3.43E-06	1.89E-07	5.51E-06	2.92E-07	5.63E-07	2.83E-08	8.83E-07	2.84E-07	4.84E-07	3.59E-08	8.04E-07	1.61E-07	2.67E-07	8.85E-09	4.37E-07
22	742206.49	4109840.05	1.40E-06	2.55E-06	1.40E-07	4.09E-06	2.17E-07	4.18E-07	2.10E-08	6.56E-07	2.11E-07	3.60E-07	2.67E-08	5.98E-07	1.20E-07	1.98E-07	6.58E-09	3.25E-07
23	742192.94	4109819.68	1.15E-06	2.10E-06	1.15E-07	3.37E-06	1.79E-07	3.44E-07	1.73E-08	5.41E-07	1.74E-07	2.96E-07	2.20E-08	4.92E-07	9.88E-08	1.63E-07	5.42E-09	2.68E-07
24	742179.39	4109799.32	9.53E-07	1.74E-06	9.53E-08	2.78E-06	1.48E-07	2.85E-07	1.43E-08	4.47E-07	1.44E-07	2.45E-07	1.82E-08	4.07E-07	8.16E-08	1.35E-07	4.48E-09	2.21E-07
25	742320.31	4109936.63	1.23E-06	2.24E-06	1.23E-07	3.59E-06	1.91E-07	3.67E-07	1.85E-08	5.76E-07	1.85E-07	3.16E-07	2.34E-08	5.25E-07	1.05E-07	1.74E-07	5.78E-09	2.85E-07
26	742324.75	4109959.1	8.54E-07	1.56E-06	8.54E-08	2.49E-06	1.32E-07	2.55E-07	1.28E-08	4.00E-07	1.29E-07	2.19E-07	1.63E-08	3.64E-07	7.31E-08	1.21E-07	4.01E-09	1.98E-07
27	742329.2	4109981.57	6.41E-07	1.17E-06	6.41E-08	1.87E-06	9.94E-08	1.91E-07	9.62E-09	3.00E-07	9.66E-08	1.65E-07	1.22E-08	2.74E-07	5.49E-08	9.09E-08	3.01E-09	1.49E-07
28	742333.65	4110004.04	5.05E-07	9.21E-07	5.05E-08	1.48E-06	7.83E-08	1.51E-07	7.58E-09	2.37E-07	7.62E-08	1.30E-07	9.63E-09	2.16E-07	4.33E-08	7.16E-08	2.37E-09	1.17E-07
29	742325.39	4110045.57	3.87E-07	7.05E-07	3.87E-08	1.13E-06	6.00E-08	1.16E-07	5.81E-09	1.81E-07	5.83E-08	9.94E-08	7.37E-09	1.65E-07	3.31E-08	5.48E-08	1.82E-09	8.98E-08
30	742312.68	4110064.63	3.63E-07	6.62E-07	3.64E-08	1.06E-06	5.64E-08	1.09E-07	5.45E-09	1.70E-07	5.48E-08	9.34E-08	6.93E-09	1.55E-07	3.11E-08	5.15E-08	1.71E-09	8.44E-08
31	742299.97	4110083.69	3.41E-07	6.21E-07	3.41E-08	9.96E-07	5.29E-08	1.02E-07	5.12E-09	1.60E-07	5.14E-08	8.77E-08	6.50E-09	1.46E-07	2.92E-08	4.83E-08	1.60E-09	7.92E-08
32	742287.26	4110102.75	3.20E-07	5.83E-07	3.20E-08	9.35E-07	4.96E-08	9.56E-08	4.80E-09	1.50E-07	4.82E-08	8.22E-08	6.10E-09	1.37E-07	2.74E-08	4.54E-08	1.50E-09	7.43E-08
33	742319.5	4109887.29	2.24E-06	4.07E-06	2.24E-07	6.53E-06	3.47E-07	6.68E-07	3.36E-08	1.05E-06	3.37E-07	5.75E-07	4.26E-08	9.55E-07	1.92E-07	3.17E-07	1.05E-08	5.19E-07
34	742305.95	4109866.93	2.36E-06	4.30E-06	2.36E-07	6.90E-06	3.66E-07	7.06E-07	3.54E-08	1.11E-06	3.56E-07	6.07E-07	4.50E-08	1.01E-06	2.02E-07	3.35E-07	1.11E-08	5.48E-07
35	742285.44	4109848.89	2.08E-06	3.78E-06	2.08E-07	6.07E-06	3.22E-07	6.20E-07	3.12E-08	9.73E-07	3.13E-07	5.34E-07	3.96E-08	8.86E-07	1.78E-07	2.94E-07	9.76E-09	4.82E-07
36	742271.89	4109828.53	1.33E-06	2.43E-06	1.33E-07	3.89E-06	2.07E-07	3.98E-07	2.00E-08	6.25E-07	2.01E-07	3.43E-07	2.54E-08	5.69E-07	1.14E-07	1.89E-07	6.26E-09	3.09E-07
37	742258.34	4109808.16	1.00E-06	1.82E-06	1.00E-07	2.92E-06	1.55E-07	2.99E-07	1.50E-08	4.69E-07	1.51E-07	2.57E-07	1.91E-08	4.27E-07	8.58E-08	1.42E-07	4.70E-09	2.32E-07
38	742234.57	4109791.99	8.60E-07	1.57E-06	8.60E-08	2.51E-06	1.33E-07	2.57E-07	1.29E-08	4.03E-07	1.30E-07	2.21E-07	1.64E-08	3.67E-07	7.37E-08	1.22E-07	4.04E-09	2.00E-07
39	742221.02	4109771.62	7.19E-07	1.31E-06	7.20E-08	2.10E-06	1.12E-07	2.15E-07	1.08E-08	3.37E-07	1.08E-07	1.85E-07	1.37E-08	3.07E-07	6.16E-08	1.02E-07	3.38E-09	1.67E-07
40	742207.47	4109751.26	5.93E-07	1.08E-06	5.93E-08	1.73E-06	9.20E-08	1.77E-07	8.90E-09	2.78E-07	8.94E-08	1.52E-07	1.13E-08	2.53E-07	5.08E-08	8.41E-08	2.79E-09	1.38E-07
41	742361.72	4109907.86	9.14E-07	1.66E-06	9.14E-08	2.67E-06	1.42E-07	2.73E-07	1.37E-08	4.28E-07	1.38E-07	2.35E-07	1.74E-08	3.90E-07	7.83E-08	1.30E-07	4.29E-09	2.12E-07
42	742370.19	4109950.66	5.77E-07	1.05E-06	5.78E-08	1.69E-06	8.95E-08	1.72E-07	8.66E-09	2.71E-07	8.70E-08	1.48E-07	1.10E-08	2.46E-07	4.95E-08	8.18E-08	2.71E-09	1.34E-07
43	742378.67	4109993.47	3.95E-07	7.21E-07	3.96E-08	1.16E-06	6.13E-08	1.18E-07	5.94E-09	1.85E-07	5.96E-08	1.02E-07	7.54E-09	1.69E-07	3.39E-08	5.61E-08	1.86E-09	9.18E-08
44	742375.03	4110054.42	2.76E-07	5.03E-07	2.76E-08	8.07E-07	4.28E-08	8.25E-08	4.15E-09	1.30E-07	4.17E-08	7.10E-08	5.26E-09	1.18E-07	2.37E-08	3.92E-08	1.30E-09	6.41E-08
45	742350.82	4110090.73	2.51E-07	4.57E-07	2.51E-08	7.33E-07	3.89E-08	7.49E-08	3.76E-09	1.18E-07	3.78E-08	6.44E-08	4.78E-09	1.07E-07	2.15E-08	3.55E-08	1.18E-09	5.82E-08
46	742326.62	4110127.03	2.27E-07	4.14E-07	2.27E-08	6.64E-07	3.52E-08	6.79E-08	3.41E-09	1.06E-07	3.43E-08	5.84E-08	4.33E-09	9.70E-08	1.95E-08	3.22E-08	1.07E-09	5.27E-08
47	742343.94	4109866.09	1.40E-06	2.55E-06	1.40E-07	4.09E-06	2.17E-07	4.19E-07	2.10E-08	6.57E-07	2.11E-07	3.60E-07	2.67E-08	5.98E-07	1.20E-07	1.99E-07	6.59E-09	3.25E-07
48	742330.39	4109845.73	1.45E-06	2.64E-06	1.45E-07	4.23E-06	2.24E-07	4.32E-07	2.17E-08	6.79E-07	2.18E-07	3.72E-07	2.76E-08	6.18E-07	1.24E-07	2.05E-07	6.80E-09	3.36E-07
49	742316.84	4109825.37	1.26E-06	2.29E-06	1.26E-07	3.67E-06	1.95E-07	3.75E-07	1.89E-08	5.89E-07	1.89E-07	3.23E-07	2.39E-08	5.36E-07	1.08E-07	1.78E-07	5.91E-09	2.92E-07
50	742303.29	4109805.01	9.91E-07	1.81E-06	9.92E-08	2.90E-06	1.54E-07	2.96E-07	1.49E-08	4.65E-07	1.49E-07	2.55E-07	1.89E-08	4.23E-07	8.49E-08	1.41E-07	4.66E-09	2.30E-07
51	742289.74	4109784.65	7.97E-07	1.45E-06	7.98E-08	2.33E-06	1.24E-07	2.38E-07	1.20E-08	3.74E-07	1.20E-07	2.05E-07	1.52E-08	3.40E-07	6.83E-08	1.13E-07	3.75E-09	1.85E-07
52	742276.19	4109764.29	6.69E-07	1.22E-06	6.70E-08	1.96E-06	1.04E-07	2.00E-07	1.00E-08	3.14E-07	1.01E-07	1.72E-07	1.28E-08	2.86E-07	5.74E-08	9.49E-08	3.15E-09	1.55E-07
53	742262.64	4109743.93	5.69E-07	1.04E-06	5.69E-08	1.66E-06	8.82E-08	1.70E-07	8.54E-09	2.67E-07	8.58E-08	1.46E-07	1.08E-08	2.43E-07	4.88E-08	8.07E-08	2.67E-09	1.32E-07
54	742249.1	4109723.56	4.81E-07	8.77E-07	4.81E-08	1.41E-06	7.46E-08	1.44E-07	7.22E-09	2.26E-07	7.26E-08	1.24E-07	9.17E-09	2.05E-07	4.12E-08	6.82E-08	2.26E-09	1.12E-07
55	742403.75	4109882.16	6.43E-07	1.17E-06	6.43E-08	1.88E-06	9.97E-08	1.92E-07	9.65E-09	3.01E-07	9.69E-08	1.65E-07	1.22E-08	2.74E-07	5.51E-08	9.11E-08	3.02E-09	1.49E-07
56	742408.38	4109905.57	5.46E-07	9.95E-07	5.46E-08	1.60E-06	8.47E-08	1.63E-07	8.19E-09	2.56E-07	8.23E-08	1.40E-07	1.04E-08	2.33E-07	4.68E-08	7.74E-08	2.57E-09	1.27E-07
57	742413.01	4109928.98	4.58E-07	8.34E-07	4.58E-08	1.34E-06	7.10E-08	1.37E-07	6.87E-09	2.15E-07	6.90E-08	1.18E-07	8.72E-09	1.95E-07	3.92E-08	6.49E-08	2.15E-09	1.06E-07
58	742417.64	4109952.39	3.86E-07	7.03E-07	3.86E-08	1.13E-06	5.98E-08	1.15E-07	5.79E-09	1.81E-07	5.82E-08	9.92E-08	7.35E-09	1.65E-07	3.31E-08	5.47E-08	1.81E-09	8.96E-08
59	742422.28	4109975.8	3.28E-07	5.98E-07	3.29E-08	9.59E-07	5.09E-08	9.81E-08	4.93E-09	1.54E-07	4.95E-08	8.44E-08	6.26E-09	1.40E-07	2.81E-08	4.66E-08	1.54E-09	7.62E-08
60	742426.91	4109999.21	2.82E-07	5.14E-07	2.82E-08	8.25E-07	4.38E-08	8.43E-08	4.24E-09	1.32E-07	4.26E-08	7.25E-08	5.38E-09	1.20E-07	2.42E-08	4.00E-08	1.33E-09	6.55E-08
61	742431.54	4110022.62	2.45E-07	4.46E-07	2.45E-08	7.16E-07	3.80E-08	7.32E-08	3.68E-09	1.15E-07	3.69E-08	6.30E-08	4.67E-09	1.05E-07	2.10E-08	3.47E-08	1.15E-09	5.69E-08
62	742422.94	4110065.88	2.08E-07	3.79E-07	2.08E-08	6.07E-07	3.22E-08	6.21E-08	3.12E-09	9.74E-08	3.13E-08	5.34E-08	3.96E-09	8.87E-08	1.78E-08	2.95E-08	9.77E-10	4.82E-08
63	742409.7	4110085.73	2.00E-07	3.64E-07	2.00E-08	5.83E-07	3.10E-08	5.96E-08	3.00E-09	9.36E-08	3.01E-08	5.13E-08	3.80E-09	8.52E-08	1.71E-08	2.83E-08	9.38E-10	4.63E-08
64	742396.46	4110105.59	1.91E-07	3.48E-07	1.91E-08	5.58E-07	2.96E-08	5.70E-08	2.86E-09	8.95E-08	2.88E-08	4.91E-08	3.64E-09	8.15E-08	1.64E-08	2.71E-08	8.97E-10	4.43E-08
65	742383.22	4110125.44	1.82E-07	3.32E-07	1.82E-08	5.32E-07	2.83E-08	5.44E-08	2.73E-09	8.54E-08	2.75E-08	4.68E-08	3.47E-09	7.78E-08	1.56E-08	2.58E-08	8.56E-10	4.23E-08
66	742369.98	4110145.29	1.74E-07	3.17E-07	1.74E-08	5.09E-07	2.70E-08	5.20E-08	2.61E-09	8.16E-08	2.63E-08	4.48E-08	3.32E-09	7.43E-08	1.49E-08	2.47E-08	8.18E-10	4.04E-08
67	742356.74	4110165.15	1.66E-07	3.03E-07	1.66E-08	4.86E-07	2.58E-08	4.97E-08	2.50E-09	7.80E-08	2.51E-08	4.28E-08	3.17E-09	7.10E-08	1.43E-08	2.36E-08	7.82E-10	3.86E-08
68	742343.51	4110185	1.59E-07	2.89E-07	1.59E-08	4.64E-07	2.46E-08	4.74E-08	2.38E-09	7.44E-08	2.39E-08	4.08E-08	3.02E-09	6.77E-08	1.36E-08	2.25E-08	7.46E-10	3.68E-08
69	742399.11	4109858.75	7.28E-07	1.33E-06	7.29E-08	2.13E-06	1.13E-07	2.18E-07	1.09E-08	3.41E-07	1.10E-07	1.87E-07	1.39E-08	3.11E-07	6.24E-08	1.03E-07	3.42E-09	1.69E-07
70	742385.56	4109838.39	8.38E-07	1.53E-06	8.39E-08	2.45E-06	1.30E-07	2.50E-07	1.26E-08	3.93E-07	1.26E-07	2.15E-07	1.60E-08	3.58E-07	7.18E-08	1.19E-07	3.94E-09	1.95E-07
71	742372.01	4109818.03	8.74E-07	1.59E-06	8.74E-08	2.55E-06	1.35E-07	2.61E-07	1.31E-08	4.10E-07	1.32E-07	2.25E-07	1.66E-08	3.73E-07	7.49E-08	1.24E-07	4.11E-09	2.03E-07
72	742358.47	4109797.67	8.22E-07	1.50E-06	8.22E-08	2.40E-06	1.27E-07	2.45E-07	1.23E-08	3.85E-07	1.24E-07	2.11E-07	1.57E-08	3.51E-07	7.04E-08	1.16E-07	3.86E-09	1.91E-07
73	742344.92	4109777.31	7.21E-07	1.31E-06	7.22E-08	2.11E-06	1.12E-07	2.15E-07	1.08E-08	3.38E-07	1.09E-07	1.85E-07	1.37E-08	3.08E-07	6.18E-08	1.02E-07	3.39E-09	1.67E-07
74	742331.37	4109756.95	6.19E-07	1.13E-06	6.19E-08	1.81E-06	9.60E-08	1.85E-07	9.29E-09	2.90E-07	9.33E-08	1.59E-07	1.18E-08	2.64E-07	5.30E-08	8.77E-08	2.91E-09	1.44E-07
75	742317.82	4109736.59	5.33E-07	9.71E-07	5.33E-08	1.56E-06	8.27E-08	1.59E-07	8.00E-09	2.50E-07	8.04E-08	1.37E-07	1.02E-08	2.28E-07	4.57E-08	7.56E-08	2.51E-09	1.24E-07
76	742304.27	4109716.23	4.61E-07	8.41E-07	4.62E-08	1.35E-06	7.16E-08	1.38E-07	6.92E-09	2.16E-07	6.96E-08	1.19E-07	8.79E-09	1.97E-07	3.95E-08	6.54E-08	2.17E-09	1.07E-07
77	742290.72	4109695.86	3.98E-07	7.25E-07	3.98E-08	1.16E-06	6.17E-08	1.19E-07	5.97E-09	1.87E-07	6.00E-08	1.02E-07	7.58E-09	1.70E-07	3.41E-08	5.64E-08	1.87E-09	9.24E-08
78	742445.19	4109853.53	4.85E-07	8.83E-07	4.85E-08	1.42E-06	7.52E-08	1.45E-07	7.27E-09	2.27E-07	7.31E-08	1.25E-07	9.23E-09	2.07E-07	4.15E-08	6.87E-08	2.28E-09	1.13E-07
79	742449.63	4109876	4.35E-07	7.93E-07	4.35E-08	1.27E-06	6.75E-08	1.30E-07	6.53E-09	2.04E-07	6.56E-08	1.12E-07	8.29E-09	1.86E-07	3.73E-08	6.17E-08	2.04E-09	1.01E-07
80	742454.08	4109898.47	3.84E-07	7.00E-07	3.85E-08	1.12E-06	5.96E-08	1.15E-07	5.77E-09	1.80E-07	5.79E-08	9.88E-08	7.32E-09	1.64E-07	3.29E-08	5.45E-08	1.81E-09	8.92E-08
81	742458.53	4109920.95	3.37E-07	6.14E-07	3.37E-08	9.84E-07	5.22E-08	1.01E-07	5.06E-09	1.58E-07	5.08E-08	8.66E-08	6.42E-09	1.44E-07	2.89E-08	4.78E-08	1.58E-09	7.82E-08
82	742462.98	4109943.42	2.95E-07	5.38E-07	2.96E-08	8.63E-07	4.58E-08	8.82E-08	4.43E-09	1.38E-07	4.45E-08	7.59E-08	5.63E-09	1.26E-07	2.53E-08	4.19E-08	1.39E-09	6.86E-08
83	742467.42	4109965.89	2.61E-07	4.75E-07	2.61E-08	7.61E-07	4.04E-08	7.78E-08	3.91E-09	1.22E-07	3.93E-08	6.70E-08	4.96E-09	1.11E-07	2.23E-08	3.69E-08	1.22E-09	6.05E-08
84	742471.87	4109988.36	2.31E-07	4.21E-07	2.31E-08	6.75E-07	3.58E-08	6.90E-08	3.47E-09	1.08E-07	3.48E-08	5.94E-08	4.40E-09	9.86E-08	1.98E-08	3.27E-08	1.09E-09	5.36E-08
85	742476.32	4110010.83	2.06E-07	3.75E-07	2.06E-08	6.02E-07	3.19E-08	6.15E-08	3.09E-09	9.65E-08	3.10E-08	5.29E-08	3.92E-09	8.79E-08	1.76E-08	2.92E-08	9.68E-10	4.78E-08

86	742480.77	4110033.31	1.84E-07	3.36E-07	1.84E-08	5.38E-07	2.86E-08	5.50E-08	2.76E-09	8.63E-08	2.78E-08	4.73E-08	3.51E-09	7.86E-08	1.58E-08	2.61E-08	8.65E-10	4.28E-08
87	742472.51	4110074.84	1.63E-07	2.96E-07	1.63E-08	4.75E-07	2.52E-08	4.86E-08	2.44E-09	7.62E-08	2.45E-08	4.18E-08	3.10E-09	6.94E-08	1.39E-08	2.31E-08	7.64E-10	3.78E-08
88	742459.8	4110093.9	1.59E-07	2.89E-07	1.59E-08	4.64E-07	2.46E-08	4.74E-08	2.38E-09	7.44E-08	2.39E-08	4.08E-08	3.02E-09	6.77E-08	1.36E-08	2.25E-08	7.46E-10	3.68E-08
89	742447.09	4110112.96	1.54E-07	2.80E-07	1.54E-08	4.49E-07	2.38E-08	4.59E-08	2.31E-09	7.20E-08	2.32E-08	3.95E-08	2.93E-09	6.56E-08	1.32E-08	2.18E-08	7.22E-10	3.57E-08
90	742434.38	4110132.02	1.48E-07	2.70E-07	1.48E-08	4.33E-07	2.30E-08	4.42E-08	2.22E-09	6.94E-08	2.23E-08	3.81E-08	2.82E-09	6.32E-08	1.27E-08	2.10E-08	6.96E-10	3.44E-08
91	742421.67	4110151.08	1.42E-07	2.60E-07	1.43E-08	4.16E-07	2.21E-08	4.26E-08	2.14E-09	6.68E-08	2.15E-08	3.66E-08	2.72E-09	6.08E-08	1.22E-08	2.02E-08	6.70E-10	3.31E-08
92	742408.96	4110170.14	1.37E-07	2.50E-07	1.37E-08	4.01E-07	2.13E-08	4.10E-08	2.06E-09	6.43E-08	2.07E-08	3.53E-08	2.61E-09	5.86E-08	1.18E-08	1.95E-08	6.45E-10	3.19E-08
93	742396.25	4110189.2	1.32E-07	2.41E-07	1.32E-08	3.86E-07	2.05E-08	3.94E-08	1.98E-09	6.19E-08	1.99E-08	3.39E-08	2.52E-09	5.64E-08	1.13E-08	1.87E-08	6.21E-10	3.07E-08
94	742383.54	4110208.26	1.27E-07	2.31E-07	1.27E-08	3.70E-07	1.97E-08	3.79E-08	1.90E-09	5.94E-08	1.91E-08	3.26E-08	2.42E-09	5.41E-08	1.09E-08	1.80E-08	5.96E-10	2.94E-08
95	742370.83	4110227.31	1.21E-07	2.21E-07	1.21E-08	3.54E-07	1.88E-08	3.62E-08	1.82E-09	5.68E-08	1.83E-08	3.11E-08	2.31E-09	5.17E-08	1.04E-08	1.72E-08	5.69E-10	2.81E-08
96	742440.74	4109831.06	5.25E-07	9.57E-07	5.26E-08	1.54E-06	8.15E-08	1.57E-07	7.89E-09	2.46E-07	7.92E-08	1.35E-07	1.00E-08	2.24E-07	4.50E-08	7.45E-08	2.47E-09	1.22E-07
97	742427.19	4109810.69	5.83E-07	1.06E-06	5.83E-08	1.70E-06	9.04E-08	1.74E-07	8.75E-09	2.73E-07	8.79E-08	1.50E-07	1.11E-08	2.49E-07	5.00E-08	8.27E-08	2.74E-09	1.35E-07
98	742413.64	4109790.33	6.07E-07	1.11E-06	6.07E-08	1.77E-06	9.41E-08	1.81E-07	9.11E-09	2.85E-07	9.15E-08	1.56E-07	1.16E-08	2.59E-07	5.20E-08	8.60E-08	2.85E-09	1.41E-07
99	742400.09	4109769.97	5.91E-07	1.08E-06	5.91E-08	1.73E-06	9.17E-08	1.77E-07	8.87E-09	2.77E-07	8.91E-08	1.52E-07	1.13E-08	2.52E-07	5.06E-08	8.38E-08	2.78E-09	1.37E-07
100	742386.54	4109749.61	5.47E-07	9.96E-07	5.47E-08	1.60E-06	8.48E-08	1.63E-07	8.20E-09	2.56E-07	8.24E-08	1.41E-07	1.04E-08	2.33E-07	4.68E-08	7.75E-08	2.57E-09	1.27E-07
101	742373	4109729.25	4.90E-07	8.93E-07	4.90E-08	1.43E-06	7.60E-08	1.46E-07	7.35E-09	2.30E-07	7.39E-08	1.26E-07	9.33E-09	2.09E-07	4.20E-08	6.95E-08	2.30E-09	1.14E-07
102	742359.45	4109708.89	4.33E-07	7.88E-07	4.33E-08	1.26E-06	6.71E-08	1.29E-07	6.49E-09	2.03E-07	6.52E-08	1.11E-07	8.24E-09	1.85E-07	3.71E-08	6.13E-08	2.03E-09	1.00E-07
103	742345.9	4109688.53	3.81E-07	6.93E-07	3.81E-08	1.11E-06	5.90E-08	1.14E-07	5.71E-09	1.78E-07	5.74E-08	9.78E-08	7.25E-09	1.62E-07	3.26E-08	5.40E-08	1.79E-09	8.83E-08
104	742332.35	4109668.17	3.34E-07	6.08E-07	3.34E-08	9.75E-07	5.18E-08	9.97E-08	5.01E-09	1.56E-07	5.03E-08	8.58E-08	6.36E-09	1.42E-07	2.86E-08	4.73E-08	1.57E-09	7.75E-08
105	742528.55	4109798.71	3.05E-07	5.56E-07	3.05E-08	8.92E-07	4.73E-08	9.12E-08	4.58E-09	1.43E-07	4.60E-08	7.85E-08	5.82E-09	1.30E-07	2.62E-08	4.33E-08	1.43E-09	7.09E-08
106	742533.12	4109821.75	2.84E-07	5.18E-07	2.85E-08	8.31E-07	4.41E-08	8.50E-08	4.27E-09	1.33E-07	4.29E-08	7.31E-08	5.42E-09	1.21E-07	2.44E-08	4.03E-08	1.34E-09	6.60E-08
107	742537.68	4109844.8	2.63E-07	4.79E-07	2.63E-08	7.68E-07	4.08E-08	7.85E-08	3.94E-09	1.23E-07	3.96E-08	6.76E-08	5.01E-09	1.12E-07	2.25E-08	3.73E-08	1.24E-09	6.10E-08
108	742542.24	4109867.85	2.42E-07	4.40E-07	2.42E-08	7.06E-07	3.75E-08	7.22E-08	3.63E-09	1.13E-07	3.65E-08	6.21E-08	4.61E-09	1.03E-07	2.07E-08	3.43E-08	1.14E-09	5.61E-08
109	742546.8	4109890.9	2.21E-07	4.03E-07	2.21E-08	6.46E-07	3.43E-08	6.61E-08	3.32E-09	1.04E-07	3.34E-08	5.69E-08	4.21E-09	9.44E-08	1.90E-08	3.14E-08	1.04E-09	5.13E-08
110	742551.36	4109913.95	2.01E-07	3.67E-07	2.01E-08	5.88E-07	3.12E-08	6.02E-08	3.02E-09	9.44E-08	3.04E-08	5.18E-08	3.84E-09	8.60E-08	1.73E-08	2.85E-08	9.46E-10	4.67E-08
111	742555.92	4109937	1.83E-07	3.33E-07	1.83E-08	5.34E-07	2.84E-08	5.46E-08	2.75E-09	8.58E-08	2.76E-08	4.70E-08	3.49E-09	7.81E-08	1.57E-08	2.59E-08	8.60E-10	4.25E-08
112	742560.49	4109960.05	1.66E-07	3.03E-07	1.66E-08	4.86E-07	2.58E-08	4.97E-08	2.50E-09	7.80E-08	2.51E-08	4.27E-08	3.17E-09	7.10E-08	1.42E-08	2.36E-08	7.81E-10	3.86E-08
113	742565.05	4109983.09	1.52E-07	2.76E-07	1.52E-08	4.43E-07	2.35E-08	4.53E-08	2.28E-09	7.11E-08	2.29E-08	3.90E-08	2.89E-09	6.47E-08	1.30E-08	2.15E-08	7.13E-10	3.52E-08
114	742569.61	4110006.14	1.39E-07	2.53E-07	1.39E-08	4.06E-07	2.15E-08	4.15E-08	2.08E-09	6.51E-08	2.09E-08	3.57E-08	2.65E-09	5.93E-08	1.19E-08	1.97E-08	6.52E-10	3.22E-08
115	742574.17	4110029.19	1.28E-07	2.32E-07	1.28E-08	3.73E-07	1.98E-08	3.81E-08	1.91E-09	5.98E-08	1.92E-08	3.28E-08	2.43E-09	5.44E-08	1.09E-08	1.81E-08	5.99E-10	2.96E-08
116	742578.73	4110052.24	1.18E-07	2.14E-07	1.18E-08	3.43E-07	1.82E-08	3.51E-08	1.76E-09	5.51E-08	1.77E-08	3.02E-08	2.24E-09	5.02E-08	1.01E-08	1.67E-08	5.52E-10	2.73E-08
117	742570.26	4110094.84	1.08E-07	1.96E-07	1.08E-08	3.15E-07	1.67E-08	3.22E-08	1.62E-09	5.05E-08	1.62E-08	2.77E-08	2.05E-09	4.60E-08	9.23E-09	1.53E-08	5.06E-10	2.50E-08
118	742557.22	4110114.39	1.06E-07	1.94E-07	1.06E-08	3.11E-07	1.65E-08	3.18E-08	1.60E-09	4.99E-08	1.60E-08	2.73E-08	2.03E-09	4.54E-08	9.11E-09	1.51E-08	5.00E-10	2.47E-08
119	742544.19	4110133.93	1.05E-07	1.91E-07	1.05E-08	3.06E-07	1.62E-08	3.13E-08	1.57E-09	4.91E-08	1.58E-08	2.69E-08	1.99E-09	4.47E-08	8.97E-09	1.48E-08	4.92E-10	2.43E-08
120	742531.15	4110153.48	1.03E-07	1.87E-07	1.03E-08	3.00E-07	1.59E-08	3.06E-08	1.54E-09	4.81E-08	1.55E-08	2.64E-08	1.95E-09	4.38E-08	8.79E-09	1.45E-08	4.82E-10	2.38E-08
121	742518.12	4110173.03	1.00E-07	1.82E-07	1.00E-08	2.92E-07	1.55E-08	2.99E-08	1.50E-09	4.69E-08	1.51E-08	2.57E-08	1.91E-09	4.27E-08	8.58E-09	1.42E-08	4.70E-10	2.32E-08
122	742505.08	4110192.58	9.72E-08	1.77E-07	9.73E-09	2.84E-07	1.51E-08	2.90E-08	1.46E-09	4.56E-08	1.47E-08	2.50E-08	1.85E-09	4.15E-08	8.33E-09	1.38E-08	4.57E-10	2.26E-08
123	742492.05	4110212.13	9.42E-08	1.72E-07	9.43E-09	2.75E-07	1.46E-08	2.81E-08	1.41E-09	4.42E-08	1.42E-08	2.42E-08	1.80E-09	4.02E-08	8.07E-09	1.34E-08	4.43E-10	2.19E-08
124	742479.01	4110231.67	9.12E-08	1.66E-07	9.12E-09	2.66E-07	1.41E-08	2.72E-08	1.37E-09	4.28E-08	1.38E-08	2.34E-08	1.74E-09	3.89E-08	7.81E-09	1.29E-08	4.29E-10	2.12E-08
125	742465.98	4110251.22	8.80E-08	1.60E-07	8.80E-09	2.57E-07	1.36E-08	2.63E-08	1.32E-09	4.12E-08	1.33E-08	2.26E-08	1.68E-09	3.76E-08	7.54E-09	1.25E-08	4.13E-10	2.04E-08
126	742452.94	4110270.77	8.46E-08	1.54E-07	8.47E-09	2.47E-07	1.31E-08	2.53E-08	1.27E-09	3.97E-08	1.28E-08	2.18E-08	1.61E-09	3.61E-08	7.25E-09	1.20E-08	3.98E-10	1.96E-08
127	742439.91	4110290.32	8.10E-08	1.48E-07	8.10E-09	2.37E-07	1.26E-08	2.42E-08	1.22E-09	3.80E-08	1.22E-08	2.08E-08	1.54E-09	3.46E-08	6.94E-09	1.15E-08	3.80E-10	1.88E-08
128	742426.87	4110309.87	7.70E-08	1.40E-07	7.71E-09	2.25E-07	1.19E-08	2.30E-08	1.16E-09	3.61E-08	1.16E-08	1.98E-08	1.47E-09	3.29E-08	6.60E-09	1.09E-08	3.62E-10	1.79E-08
129	742523.99	4109775.66	3.22E-07	5.86E-07	3.22E-08	9.40E-07	4.99E-08	9.61E-08	4.83E-09	1.51E-07	4.85E-08	8.27E-08	6.13E-09	1.37E-07	2.76E-08	4.56E-08	1.51E-09	7.47E-08
130	742510.44	4109755.3	3.45E-07	6.29E-07	3.45E-08	1.01E-06	5.35E-08	1.03E-07	5.18E-09	1.62E-07	5.20E-08	8.87E-08	6.57E-09	1.47E-07	2.96E-08	4.89E-08	1.62E-09	8.01E-08
131	742496.89	4109734.94	3.57E-07	6.50E-07	3.57E-08	1.04E-06	5.53E-08	1.07E-07	5.35E-09	1.67E-07	5.38E-08	9.17E-08	6.80E-09	1.52E-07	3.06E-08	5.06E-08	1.68E-09	8.28E-08
132	742483.35	4109714.57	3.56E-07	6.49E-07	3.56E-08	1.04E-06	5.52E-08	1.06E-07	5.35E-09	1.67E-07	5.37E-08	9.16E-08	6.79E-09	1.52E-07	3.05E-08	5.05E-08	1.67E-09	8.27E-08
133	742469.8	4109694.21	3.45E-07	6.29E-07	3.45E-08	1.01E-06	5.35E-08	1.03E-07	5.18E-09	1.62E-07	5.20E-08	8.87E-08	6.57E-09	1.47E-07	2.96E-08	4.89E-08	1.62E-09	8.01E-08
134	742456.25	4109673.85	3.25E-07	5.93E-07	3.25E-08	9.50E-07	5.04E-08	9.71E-08	4.88E-09	1.52E-07	4.90E-08	8.36E-08	6.20E-09	1.39E-07	2.79E-08	4.61E-08	1.53E-09	7.55E-08
135	742442.7	4109653.49	3.00E-07	5.46E-07	3.00E-08	8.76E-07	4.65E-08	8.95E-08	4.50E-09	1.41E-07	4.52E-08	7.70E-08	5.71E-09	1.28E-07	2.57E-08	4.25E-08	1.41E-09	6.96E-08
136	742429.15	4109633.13	2.72E-07	4.95E-07	2.72E-08	7.94E-07	4.22E-08	8.12E-08	4.08E-09	1.27E-07	4.10E-08	6.99E-08	5.18E-09	1.16E-07	2.33E-08	3.85E-08	1.28E-09	6.31E-08
137	742415.6	4109612.77	2.44E-07	4.45E-07	2.44E-08	7.14E-07	3.79E-08	7.30E-08	3.67E-09	1.15E-07	3.68E-08	6.28E-08	4.66E-09	1.04E-07	2.09E-08	3.46E-08	1.15E-09	5.67E-08
138	742611.88	4109743.67	2.14E-07	3.90E-07	2.14E-08	6.26E-07	3.32E-08	6.40E-08	3.22E-09	1.00E-07	3.23E-08	5.51E-08	4.08E-09	9.15E-08	1.84E-08	3.04E-08	1.01E-09	4.97E-08
139	742616.51	4109767.08	2.03E-07	3.69E-07	2.03E-08	5.93E-07	3.14E-08	6.06E-08	3.04E-09	9.51E-08	3.06E-08	5.21E-08	3.86E-09	8.66E-08	1.74E-08	2.88E-08	9.53E-10	4.71E-08
140	742621.14	4109790.49	1.90E-07	3.47E-07	1.90E-08	5.56E-07	2.95E-08	5.68E-08	2.86E-09	8.92E-08	2.87E-08	4.89E-08	3.63E-09	8.12E-08	1.63E-08	2.70E-08	8.94E-10	4.42E-08
141	742625.78	4109813.89	1.78E-07	3.25E-07	1.78E-08	5.21E-07	2.77E-08	5.33E-08	2.68E-09	8.36E-08	2.69E-08	4.58E-08	3.40E-09	7.61E-08	1.53E-08	2.53E-08	8.38E-10	4.14E-08
142	742630.41	4109837.3	1.67E-07	3.05E-07	1.68E-08	4.89E-07	2.60E-08	5.00E-08	2.51E-09	7.85E-08	2.52E-08	4.30E-08	3.19E-09	7.15E-08	1.43E-08	2.37E-08	7.87E-10	3.89E-08
143	742635.04	4109860.71	1.57E-07	2.86E-07	1.57E-08	4.59E-07	2.43E-08	4.69E-08	2.36E-09	7.36E-08	2.37E-08	4.03E-08	2.99E-09	6.70E-08	1.34E-08	2.22E-08	7.37E-10	3.64E-08
144	742639.68	4109884.12	1.46E-07	2.67E-07	1.47E-08	4.28E-07	2.27E-08	4.38E-08	2.20E-09	6.87E-08	2.21E-08	3.76E-08	2.79E-09	6.25E-08	1.25E-08	2.08E-08	6.88E-10	3.40E-08
145	742644.31	4109907.53	1.36E-07	2.48E-07	1.36E-08	3.98E-07	2.11E-08	4.06E-08	2.04E-09	6.38E-08	2.05E-08	3.50E-08	2.59E-09	5.81E-08	1.17E-08	1.93E-08	6.39E-10	3.16E-08
146	742648.94	4109930.94	1.26E-07	2.30E-07	1.26E-08	3.68E-07	1.95E-08	3.76E-08	1.89E-09	5.91E-08	1.90E-08	3.24E-08	2.40E-09	5.38E-08	1.08E-08	1.79E-08	5.92E-10	2.92E-08
147	742653.57	4109954.35	1.17E-07	2.12E-07	1.17E-08	3.40E-07	1.81E-08	3.48E-08	1.75E-09	5.46E-08	1.76E-08	2.99E-08	2.22E-09	4.97E-08	9.98E-09	1.65E-08	5.48E-10	2.70E-08
148	742658.21	4109977.76	1.08E-07	1.97E-07	1.08E-08	3.15E-07	1.67E-08	3.22E-08	1.62E-09	5.06E-08	1.63E-08	2.77E-08	2.05E-09	4.60E-08	9.24E-09	1.53E-08	5.07E-10	2.50E-08
149	742662.84	4110001.16	1.00E-07	1.82E-07	1.00E-08	2.93E-07	1.55E-08	2.99E-08	1.50E-09	4.69E-08	1.51E-08	2.57E-08	1.91E-09	4.28E-08	8.58E-09	1.42E-08	4.71E-10	2.32E-08
150	742667.47	4110024.57	9.34E-08	1.70E-07	9.35E-09	2.73E-07	1.45E-08	2.79E-08	1.40E-09	4.38E-08	1.41E-08	2.40E-08	1.78E-09	3.99E-08	8.00E-09	1.32E-08	4.39E-10	2.17E-08
151	742672.11	4110047.98	8.76E-08	1.60E-07	8.76E-09	2.56E-07	1.36E-08	2.62E-08	1.31E-09	4.11E-08	1.32E-08	2.25E-08	1.67E-09	3.74E-08	7.50E-09	1.24E-08	4.11E-10	2.03E-08
152	742676.74	4110071.39	8.24E-08	1.50E-07	8.24E-09	2.41E-07	1.28E-08	2.46E-08	1.24E-09	3.86E-08	1.24E-08	2.12E-08	1.57E-09	3.52E-08	7.06E-09	1.17E-08	3.87E-10	1.91E-08
153	742668.13	4110114.65	7.76E-08	1.41E-07	7.76E-09	2.27E-07	1.20E-08	2.32E-08	1.16E-09	3.64E-08	1.17E-08	1.99E-08	1.48E-09	3.31E-08	6.65E-09	1.10E-08	3.65E-10	1.80E-08
154	742654.89	4110134.51	7.71E-08	1.41E-07	7.72E-09	2.25E-07	1.20E-08	2.30E-08	1.16E-09	3.62E-08	1.16E-08	1.98E-08	1.47E-09	3.29E-08	6.61E-09	1.09E-08	3.63E-10	1.79E-08
155	742641.66	4110154.36	7.65E-08	1.39E-07	7.65E-09	2.23E-07	1.19E-08	2.28E-08	1.15E-09	3.58E-08	1.15E-08	1.97E-08	1.46E-09	3.26E-08	6.55E-09	1.08E-08	3.59E-10	1.78E-08
156	742628.42	4110174.21	7.55E-08	1.38E-07	7.56E-09	2.21E-07	1.17E-08	2.26E-08	1.13E-09	3.54E-08	1.14E-08	1.94E-08	1.44E-09	3.22E-08	6.47E-09	1.07E-08	3.55E-10	1.75E-08
157	742615.18	4110194.07	7.44E-08	1.36E-07	7.44E-09	2.17E-07	1.15E-08	2.22E-08	1.12E-09	3.49E-08	1.12E-08	1.91E-08	1.42E-09	3.17E-08	6.37E-09	1.05E-08	3.49E-10	1.73E-08
158	742601.94	4110213.92	7.31E-08	1.33E-07	7.31E-09	2.14E-07	1.13E-08	2.18E-08	1.10E-09	3.43E-08	1.10E-08	1.88E-08	1.39E-09	3.12E-08	6.26E-09	1.04E-08	3.44E-10	1.70E-08
159	742588.7	4110233.77	7.17E-08	1.31E-07	7.17E-09	2.09E-07	1.11E-08	2.14E-08	1.08E-09	3.36E-08	1.08E-08	1.84E-08	1.37E-09	3.06E-08	6.14E-09	1.02E-08	3.37E-10	1.66E-08
160	742575.46	4110253.63	7.00E-08	1.27E-07	7.00E-09	2.04E-07	1.08E-08	2.09E-08	1.05E-09	3.28E-08	1.05E-08	1.80E-08	1.33E-09	2.99E-08	5.99E-09	9.92E-09	3.29E-10	1.62E-08
161	742562.22	4110273.48	6.79E-08	1.24E-07	6.80E-09	1.99E-07	1.05E-08	2.03E-08	1.02E-09	3.18E-08	1.02E-08	1.75E-08	1.29E-09	2.90E-08	5.82E-09	9.63E-09	3.19E-10	1.58E-08
162	742548.99	4110293.34	6.57E-08	1.20E-07	6.57E-09	1.92E-07	1.02E-08	1.96E-08	9.86E-10	3.08E-08	9.90E-09	1.69E-08	1.25E-09	2.80E-08	5.63E-09	9.31E-09	3.09E-10	1.52E-08
163	742535.75	4110313.19	6.33E-08	1.15E-07	6.33E-09	1.85E-07	9.82E-09	1.89E-08	9.50E-10	2.97E-08	9.55E-09	1.63E-08	1.21E-09	2.70E-08	5.42E-09	8.98E-09	2.98E-10	1.47E-08
164	742522.51	4110333.04	6.09E-08	1.11E-07	6.10E-09	1.78E-07	9.45E-09	1.82E-08	9.14E-10	2.86E-08	9.19E-09	1.57E-08	1.16E-09	2.60E-08	5.22E-09	8.64E-09	2.86E-10	1.41E-08
165	742509.27	4110352.9	5.85E-08	1.07E-07	5.86E-09	1.71E-07	9.08E-09	1.75E-08	8.78E-10	2.74E-08	8.83E-09	1.50E-08	1.12E-09	2.50E-08	5.02E-09	8.30E-09	2.75E-10	1.36E-08
166	742496.03	4110372.75	5.61E-08	1.02E-07	5.61E-09	1.64E-07	8.70E-09	1.68E-08	8.42E-10	2.63E-08	8.46E-09	1.44E-08	1.07E-09	2.40E-08	4.81E-09	7.95E-09	2.64E-10	1.30E-08
167	742482.79	4110392.6	5.36E-08	9.77E-08	5.37E-09	1.57E-07	8.32E-09	1.60E-08	8.05E-10	2.51E-08	8.09E-09	1.38E-08	1.02E-09	2.29E-08	4.59E-09	7.60E-09	2.52E-10	1.25E-08
168	742607.24	4109720.26	2.23E-07	4.06E-07	2.23E-08	6.51E-07	3.45E-08	6.65E-08	3.34E-09	1.04E-07	3.36E-08	5.72E-08	4.24E-09	9.50E-08	1.91E-08	3.16E-08	1.05E-09	5.17E-08
169	742593.7	4109699.9	2.35E-07	4.27E-07	2.35E-08	6.86E-07	3.64E-08	7.01E-08	3.52E-09	1.10E-07	3.54E-08	6.03E-08	4.47E-09	1.00E-07	2.01E-08	3.33E-08	1.10E-09	5.45E-08
170	742580.15	4109679.54	2.41E-07	4.39E-07	2.41E-08	7.05E-07	3.74E-08	7.20E-08	3.62E-09	1.13E-07	3.64E-08	6.20E-08	4.60E-09	1.03E-07	2.07E-08	3.42E-08	1.13E-09	5.60E-08
171	742566.6	4109659.18	2.42E-07	4.41E-07	2.42E-08	7.07E-07	3.75E-08	7.23E-08	3.63E-09	1.14E-07	3.65E-08	6.22E-08	4.61E-09	1.03E-07	2.07E-08	3.43E-08	1.14E-09	5.62E-08
172	742553.05	4109638.81	2.38E-07	4.33E-07	2.38E-08	6.95E-07	3.69E-08	7.11E-08	3.57E-09	1.12E-07	3.59E-08	6.12E-08	4.53E-09	1.02E-07	2.04E-08	3.37E-08	1.12E-09	5.52E-08
173	742539.5	4109618.45	2.29E-07	4.18E-07	2.29E-08	6.70E-07	3.56E-08	6.85E-08	3.44E-09	1.08E-07	3.46E-08	5.90E-08	4.37E-09	9.79E-08	1.97E-08	3.25E-08	1.08E-09	5.32E-08
174	742525.95	4109598.09	2.17E-07	3.96E-07	2.17E-08	6.35E-07	3.37E-08	6.49E-08	3.26E-09	1.02E-07	3.28E-08	5.59E-08	4.14E-09	9.28E-08	1.86E-08	3.08E-08	1.02E-09	5.05E-08

175	742512.4	4109577.73	2.03E-07	3.70E-07	2.03E-08	5.93E-07	3.15E-08	6.06E-08	3.05E-09	9.51E-08	3.06E-08	5.22E-08	3.87E-09	8.66E-08	1.74E-08	2.88E-08	9.54E-10	4.71E-08
176	742498.85	4109557.37	1.87E-07	3.41E-07	1.87E-08	5.47E-07	2.90E-08	5.59E-08	2.81E-09	8.78E-08	2.82E-08	4.81E-08	3.57E-09	7.99E-08	1.60E-08	2.65E-08	8.80E-10	4.35E-08
177	742695.18	4109688.52	1.61E-07	2.93E-07	1.61E-08	4.69E-07	2.49E-08	4.80E-08	2.41E-09	7.53E-08	2.42E-08	4.13E-08	3.06E-09	6.85E-08	1.38E-08	2.28E-08	7.55E-10	3.73E-08
178	742699.86	4109712.17	1.54E-07	2.80E-07	1.54E-08	4.49E-07	2.38E-08	4.59E-08	2.31E-09	7.20E-08	2.32E-08	3.95E-08	2.93E-09	6.56E-08	1.32E-08	2.18E-08	7.22E-10	3.57E-08
179	742704.54	4109735.83	1.45E-07	2.65E-07	1.45E-08	4.25E-07	2.25E-08	4.34E-08	2.18E-09	6.82E-08	2.19E-08	3.74E-08	2.77E-09	6.21E-08	1.25E-08	2.06E-08	6.83E-10	3.38E-08
180	742709.22	4109759.48	1.37E-07	2.50E-07	1.37E-08	4.01E-07	2.13E-08	4.10E-08	2.06E-09	6.43E-08	2.07E-08	3.53E-08	2.61E-09	5.85E-08	1.18E-08	1.94E-08	6.44E-10	3.18E-08
181	742713.91	4109783.14	1.30E-07	2.36E-07	1.30E-08	3.79E-07	2.01E-08	3.87E-08	1.95E-09	6.08E-08	1.96E-08	3.33E-08	2.47E-09	5.54E-08	1.11E-08	1.84E-08	6.09E-10	3.01E-08
182	742718.59	4109806.79	1.23E-07	2.24E-07	1.23E-08	3.60E-07	1.91E-08	3.68E-08	1.85E-09	5.78E-08	1.86E-08	3.17E-08	2.35E-09	5.26E-08	1.06E-08	1.75E-08	5.79E-10	2.86E-08
183	742723.27	4109830.45	1.17E-07	2.14E-07	1.17E-08	3.43E-07	1.82E-08	3.50E-08	1.76E-09	5.50E-08	1.77E-08	3.01E-08	2.23E-09	5.01E-08	1.00E-08	1.66E-08	5.51E-10	2.72E-08
184	742727.95	4109854.1	1.11E-07	2.03E-07	1.11E-08	3.25E-07	1.73E-08	3.33E-08	1.67E-09	5.22E-08	1.68E-08	2.86E-08	2.12E-09	4.75E-08	9.54E-09	1.58E-08	5.23E-10	2.59E-08
185	742732.63	4109877.76	1.05E-07	1.92E-07	1.05E-08	3.07E-07	1.63E-08	3.14E-08	1.58E-09	4.93E-08	1.59E-08	2.70E-08	2.01E-09	4.49E-08	9.02E-09	1.49E-08	4.94E-10	2.44E-08
186	742737.31	4109901.41	9.89E-08	1.80E-07	9.90E-09	2.89E-07	1.53E-08	2.96E-08	1.49E-09	4.64E-08	1.49E-08	2.54E-08	1.89E-09	4.22E-08	8.48E-09	1.40E-08	4.65E-10	2.30E-08
187	742742	4109925.07	9.27E-08	1.69E-07	9.27E-09	2.71E-07	1.44E-08	2.77E-08	1.39E-09	4.35E-08	1.40E-08	2.38E-08	1.77E-09	3.96E-08	7.94E-09	1.31E-08	4.36E-10	2.15E-08
188	742746.68	4109948.72	8.67E-08	1.58E-07	8.67E-09	2.53E-07	1.34E-08	2.59E-08	1.30E-09	4.06E-08	1.31E-08	2.23E-08	1.65E-09	3.70E-08	7.43E-09	1.23E-08	4.07E-10	2.01E-08
189	742751.36	4109972.38	8.11E-08	1.48E-07	8.11E-09	2.37E-07	1.26E-08	2.42E-08	1.22E-09	3.80E-08	1.22E-08	2.08E-08	1.55E-09	3.46E-08	6.95E-09	1.15E-08	3.81E-10	1.88E-08
190	742756.04	4109996.03	7.60E-08	1.38E-07	7.60E-09	2.22E-07	1.18E-08	2.27E-08	1.14E-09	3.56E-08	1.15E-08	1.95E-08	1.45E-09	3.24E-08	6.51E-09	1.08E-08	3.57E-10	1.76E-08
191	742760.72	4110019.69	7.15E-08	1.30E-07	7.15E-09	2.09E-07	1.11E-08	2.14E-08	1.07E-09	3.35E-08	1.08E-08	1.84E-08	1.36E-09	3.05E-08	6.13E-09	1.01E-08	3.36E-10	1.66E-08
192	742765.41	4110043.34	6.76E-08	1.23E-07	6.77E-09	1.98E-07	1.05E-08	2.02E-08	1.02E-09	3.17E-08	1.02E-08	1.74E-08	1.29E-09	2.89E-08	5.80E-09	9.59E-09	3.18E-10	1.57E-08
193	742770.09	4110067	6.43E-08	1.17E-07	6.43E-09	1.88E-07	9.97E-09	1.92E-08	9.65E-10	3.01E-08	9.70E-09	1.65E-08	1.23E-09	2.75E-08	5.51E-09	9.12E-09	3.02E-10	1.49E-08
194	742774.77	4110090.65	6.14E-08	1.12E-07	6.14E-09	1.79E-07	9.52E-09	1.83E-08	9.21E-10	2.88E-08	9.26E-09	1.58E-08	1.17E-09	2.62E-08	5.26E-09	8.70E-09	2.89E-10	1.43E-08
195	742766.07	4110134.37	5.90E-08	1.07E-07	5.90E-09	1.72E-07	9.14E-09	1.76E-08	8.85E-10	2.76E-08	8.89E-09	1.52E-08	1.12E-09	2.52E-08	5.05E-09	8.36E-09	2.77E-10	1.37E-08
196	742752.69	4110154.43	5.90E-08	1.07E-07	5.90E-09	1.72E-07	9.14E-09	1.76E-08	8.85E-10	2.76E-08	8.89E-09	1.52E-08	1.12E-09	2.52E-08	5.05E-09	8.36E-09	2.77E-10	1.37E-08
197	742739.32	4110174.5	5.88E-08	1.07E-07	5.88E-09	1.72E-07	9.12E-09	1.76E-08	8.82E-10	2.76E-08	8.86E-09	1.51E-08	1.12E-09	2.51E-08	5.04E-09	8.33E-09	2.76E-10	1.36E-08
198	742725.94	4110194.56	5.84E-08	1.06E-07	5.84E-09	1.71E-07	9.06E-09	1.75E-08	8.77E-10	2.74E-08	8.81E-09	1.50E-08	1.11E-09	2.49E-08	5.01E-09	8.28E-09	2.75E-10	1.36E-08
199	742712.56	4110214.62	5.78E-08	1.05E-07	5.78E-09	1.69E-07	8.96E-09	1.73E-08	8.67E-10	2.71E-08	8.71E-09	1.49E-08	1.10E-09	2.47E-08	4.95E-09	8.19E-09	2.72E-10	1.34E-08
200	742699.18	4110234.68	5.70E-08	1.04E-07	5.70E-09	1.67E-07	8.84E-09	1.70E-08	8.56E-10	2.67E-08	8.60E-09	1.47E-08	1.09E-09	2.43E-08	4.89E-09	8.08E-09	2.68E-10	1.32E-08
201	742685.8	4110254.75	5.62E-08	1.02E-07	5.62E-09	1.64E-07	8.71E-09	1.68E-08	8.43E-10	2.63E-08	8.47E-09	1.44E-08	1.07E-09	2.40E-08	4.81E-09	7.97E-09	2.64E-10	1.30E-08
202	742672.43	4110274.81	5.53E-08	1.01E-07	5.53E-09	1.62E-07	8.57E-09	1.65E-08	8.30E-10	2.59E-08	8.34E-09	1.42E-08	1.05E-09	2.36E-08	4.74E-09	7.84E-09	2.60E-10	1.28E-08
203	742659.05	4110294.87	5.43E-08	9.89E-08	5.43E-09	1.59E-07	8.42E-09	1.62E-08	8.15E-10	2.55E-08	8.19E-09	1.40E-08	1.03E-09	2.32E-08	4.65E-09	7.70E-09	2.55E-10	1.26E-08
204	742645.67	4110314.93	5.30E-08	9.67E-08	5.31E-09	1.55E-07	8.23E-09	1.58E-08	7.96E-10	2.49E-08	8.00E-09	1.36E-08	1.01E-09	2.26E-08	4.55E-09	7.52E-09	2.49E-10	1.23E-08
205	742632.29	4110335	5.15E-08	9.39E-08	5.15E-09	1.51E-07	7.99E-09	1.54E-08	7.73E-10	2.41E-08	7.77E-09	1.32E-08	9.81E-10	2.20E-08	4.41E-09	7.30E-09	2.42E-10	1.20E-08
206	742618.91	4110355.06	4.98E-08	9.07E-08	4.98E-09	1.45E-07	7.72E-09	1.49E-08	7.47E-10	2.33E-08	7.50E-09	1.28E-08	9.48E-10	2.12E-08	4.26E-09	7.05E-09	2.34E-10	1.16E-08
207	742605.54	4110375.12	4.80E-08	8.74E-08	4.80E-09	1.40E-07	7.44E-09	1.43E-08	7.20E-10	2.25E-08	7.23E-09	1.23E-08	9.14E-10	2.05E-08	4.11E-09	6.80E-09	2.25E-10	1.11E-08
208	742592.16	4110395.19	4.62E-08	8.43E-08	4.63E-09	1.35E-07	7.17E-09	1.38E-08	6.94E-10	2.17E-08	6.97E-09	1.19E-08	8.81E-10	1.97E-08	3.96E-09	6.56E-09	2.17E-10	1.07E-08
209	742578.78	4110415.25	4.47E-08	8.14E-08	4.47E-09	1.31E-07	6.93E-09	1.33E-08	6.71E-10	2.09E-08	6.74E-09	1.15E-08	8.51E-10	1.91E-08	3.83E-09	6.33E-09	2.10E-10	1.04E-08
210	742565.4	4110435.31	4.32E-08	7.87E-08	4.32E-09	1.26E-07	6.70E-09	1.29E-08	6.48E-10	2.02E-08	6.51E-09	1.11E-08	8.23E-10	1.84E-08	3.70E-09	6.12E-09	2.03E-10	1.00E-08
211	742552.02	4110455.37	4.17E-08	7.59E-08	4.17E-09	1.22E-07	6.46E-09	1.25E-08	6.25E-10	1.95E-08	6.28E-09	1.07E-08	7.94E-10	1.78E-08	3.57E-09	5.91E-09	1.96E-10	9.68E-09
212	742538.65	4110475.44	4.01E-08	7.30E-08	4.01E-09	1.17E-07	6.22E-09	1.20E-08	6.02E-10	1.88E-08	6.04E-09	1.03E-08	7.64E-10	1.71E-08	3.43E-09	5.68E-09	1.88E-10	9.31E-09
213	742690.5	4109664.86	1.65E-07	3.01E-07	1.65E-08	4.83E-07	2.56E-08	4.94E-08	2.48E-09	7.75E-08	2.49E-08	4.25E-08	3.15E-09	7.06E-08	1.42E-08	2.34E-08	7.77E-10	3.84E-08
214	742676.95	4109644.5	1.72E-07	3.14E-07	1.72E-08	5.03E-07	2.67E-08	5.15E-08	2.59E-09	8.08E-08	2.60E-08	4.43E-08	3.28E-09	7.36E-08	1.48E-08	2.44E-08	8.10E-10	4.00E-08
215	742663.4	4109624.14	1.76E-07	3.21E-07	1.76E-08	5.15E-07	2.73E-08	5.26E-08	2.64E-09	8.26E-08	2.66E-08	4.53E-08	3.36E-09	7.52E-08	1.51E-08	2.50E-08	8.28E-10	4.09E-08
216	742649.85	4109603.78	1.77E-07	3.23E-07	1.77E-08	5.17E-07	2.75E-08	5.29E-08	2.66E-09	8.30E-08	2.67E-08	4.55E-08	3.37E-09	7.56E-08	1.52E-08	2.51E-08	8.32E-10	4.11E-08
217	742636.3	4109583.42	1.75E-07	3.19E-07	1.75E-08	5.11E-07	2.71E-08	5.23E-08	2.63E-09	8.20E-08	2.64E-08	4.50E-08	3.33E-09	7.47E-08	1.50E-08	2.48E-08	8.22E-10	4.06E-08
218	742622.75	4109563.06	1.71E-07	3.11E-07	1.71E-08	4.98E-07	2.64E-08	5.09E-08	2.56E-09	8.00E-08	2.57E-08	4.38E-08	3.25E-09	7.28E-08	1.46E-08	2.42E-08	8.01E-10	3.96E-08
219	742609.21	4109542.69	1.64E-07	2.99E-07	1.64E-08	4.80E-07	2.55E-08	4.90E-08	2.46E-09	7.69E-08	2.48E-08	4.22E-08	3.13E-09	7.01E-08	1.41E-08	2.33E-08	7.71E-10	3.81E-08
220	742595.66	4109522.33	1.56E-07	2.85E-07	1.56E-08	4.56E-07	2.42E-08	4.66E-08	2.34E-09	7.32E-08	2.35E-08	4.01E-08	2.98E-09	6.67E-08	1.34E-08	2.21E-08	7.34E-10	3.63E-08
221	742582.11	4109501.97	1.47E-07	2.68E-07	1.47E-08	4.29E-07	2.28E-08	4.39E-08	2.21E-09	6.89E-08	2.22E-08	3.78E-08	2.80E-09	6.27E-08	1.26E-08	2.08E-08	6.91E-10	3.41E-08
222	742778.47	4109633.3	1.26E-07	2.29E-07	1.26E-08	3.67E-07	1.95E-08	3.76E-08	1.89E-09	5.89E-08	1.90E-08	3.23E-08	2.40E-09	5.37E-08	1.08E-08	1.78E-08	5.91E-10	2.92E-08
223	742783.19	4109657.13	1.21E-07	2.21E-07	1.21E-08	3.54E-07	1.88E-08	3.62E-08	1.82E-09	5.69E-08	1.83E-08	3.12E-08	2.31E-09	5.18E-08	1.04E-08	1.72E-08	5.70E-10	2.82E-08
224	742787.9	4109680.97	1.16E-07	2.11E-07	1.16E-08	3.38E-07	1.79E-08	3.46E-08	1.74E-09	5.42E-08	1.74E-08	2.97E-08	2.20E-09	4.94E-08	9.91E-09	1.64E-08	5.44E-10	2.69E-08
225	742792.62	4109704.8	1.10E-07	2.00E-07	1.10E-08	3.20E-07	1.70E-08	3.28E-08	1.65E-09	5.14E-08	1.65E-08	2.82E-08	2.09E-09	4.68E-08	9.40E-09	1.55E-08	5.15E-10	2.55E-08
226	742797.34	4109728.64	1.04E-07	1.89E-07	1.04E-08	3.04E-07	1.61E-08	3.10E-08	1.56E-09	4.87E-08	1.57E-08	2.67E-08	1.98E-09	4.43E-08	8.90E-09	1.47E-08	4.88E-10	2.41E-08
227	742802.05	4109752.47	9.89E-08	1.80E-07	9.89E-09	2.89E-07	1.53E-08	2.95E-08	1.48E-09	4.64E-08	1.49E-08	2.54E-08	1.88E-09	4.22E-08	8.47E-09	1.40E-08	4.65E-10	2.30E-08
228	742806.77	4109776.3	9.48E-08	1.73E-07	9.48E-09	2.77E-07	1.47E-08	2.83E-08	1.42E-09	4.44E-08	1.43E-08	2.44E-08	1.81E-09	4.05E-08	8.12E-09	1.34E-08	4.45E-10	2.20E-08
229	742811.49	4109800.14	9.12E-08	1.66E-07	9.12E-09	2.66E-07	1.41E-08	2.72E-08	1.37E-09	4.28E-08	1.38E-08	2.34E-08	1.74E-09	3.89E-08	7.81E-09	1.29E-08	4.29E-10	2.12E-08
230	742816.21	4109823.97	8.78E-08	1.60E-07	8.78E-09	2.56E-07	1.36E-08	2.62E-08	1.32E-09	4.11E-08	1.32E-08	2.26E-08	1.67E-09	3.75E-08	7.52E-09	1.24E-08	4.12E-10	2.04E-08
231	742820.92	4109847.81	8.41E-08	1.53E-07	8.42E-09	2.46E-07	1.30E-08	2.51E-08	1.26E-09	3.94E-08	1.27E-08	2.16E-08	1.60E-09	3.59E-08	7.21E-09	1.19E-08	3.95E-10	1.95E-08
232	742825.64	4109871.64	8.02E-08	1.46E-07	8.02E-09	2.34E-07	1.24E-08	2.39E-08	1.20E-09	3.76E-08	1.21E-08	2.06E-08	1.53E-09	3.42E-08	6.87E-09	1.14E-08	3.77E-10	1.86E-08
233	742830.36	4109895.48	7.59E-08	1.38E-07	7.60E-09	2.22E-07	1.18E-08	2.27E-08	1.14E-09	3.56E-08	1.15E-08	1.95E-08	1.45E-09	3.24E-08	6.51E-09	1.08E-08	3.57E-10	1.76E-08
234	742835.07	4109919.31	7.17E-08	1.31E-07	7.17E-09	2.09E-07	1.11E-08	2.14E-08	1.08E-09	3.36E-08	1.08E-08	1.84E-08	1.37E-09	3.06E-08	6.14E-09	1.02E-08	3.37E-10	1.66E-08
235	742839.79	4109943.14	6.75E-08	1.23E-07	6.75E-09	1.97E-07	1.05E-08	2.02E-08	1.01E-09	3.16E-08	1.02E-08	1.74E-08	1.29E-09	2.88E-08	5.78E-09	9.57E-09	3.17E-10	1.57E-08
236	742844.51	4109966.98	6.36E-08	1.16E-07	6.36E-09	1.86E-07	9.86E-09	1.90E-08	9.54E-10	2.98E-08	9.59E-09	1.63E-08	1.21E-09	2.71E-08	5.45E-09	9.02E-09	2.99E-10	1.48E-08
237	742849.23	4109990.81	6.00E-08	1.09E-07	6.01E-09	1.75E-07	9.31E-09	1.79E-08	9.01E-10	2.81E-08	9.05E-09	1.54E-08	1.14E-09	2.56E-08	5.14E-09	8.51E-09	2.82E-10	1.39E-08
238	742853.94	4110014.65	5.69E-08	1.04E-07	5.69E-09	1.66E-07	8.82E-09	1.70E-08	8.53E-10	2.67E-08	8.57E-09	1.46E-08	1.08E-09	2.43E-08	4.87E-09	8.06E-09	2.67E-10	1.32E-08
239	742858.66	4110038.48	5.41E-08	9.85E-08	5.41E-09	1.58E-07	8.39E-09	1.62E-08	8.12E-10	2.54E-08	8.15E-09	1.39E-08	1.03E-09	2.31E-08	4.63E-09	7.67E-09	2.54E-10	1.26E-08
240	742863.38	4110062.32	5.17E-08	9.42E-08	5.17E-09	1.51E-07	8.02E-09	1.54E-08	7.76E-10	2.42E-08	7.79E-09	1.33E-08	9.85E-10	2.21E-08	4.43E-09	7.33E-09	2.43E-10	1.20E-08
241	742868.09	4110086.15	4.96E-08	9.05E-08	4.97E-09	1.45E-07	7.70E-09	1.48E-08	7.45E-10	2.33E-08	7.49E-09	1.28E-08	9.46E-10	2.12E-08	4.25E-09	7.04E-09	2.33E-10	1.15E-08
242	742872.81	4110109.98	4.79E-08	8.72E-08	4.79E-09	1.40E-07	7.42E-09	1.43E-08	7.19E-10	2.24E-08	7.22E-09	1.23E-08	9.12E-10	2.04E-08	4.10E-09	6.79E-09	2.25E-10	1.11E-08
243	742864.05	4110154.03	4.67E-08	8.50E-08	4.67E-09	1.36E-07	7.24E-09	1.39E-08	7.00E-10	2.19E-08	7.04E-09	1.20E-08	8.89E-10	1.99E-08	4.00E-09	6.62E-09	2.19E-10	1.08E-08
244	742850.57	4110174.25	4.69E-08	8.55E-08	4.69E-09	1.37E-07	7.27E-09	1.40E-08	7.04E-10	2.20E-08	7.07E-09	1.21E-08	8.94E-10	2.00E-08	4.02E-09	6.65E-09	2.20E-10	1.09E-08
245	742837.09	4110194.46	4.69E-08	8.56E-08	4.70E-09	1.37E-07	7.28E-09	1.40E-08	7.05E-10	2.20E-08	7.08E-09	1.21E-08	8.95E-10	2.00E-08	4.02E-09	6.66E-09	2.21E-10	1.09E-08
246	742823.61	4110214.68	4.68E-08	8.53E-08	4.68E-09	1.37E-07	7.26E-09	1.40E-08	7.03E-10	2.20E-08	7.06E-09	1.20E-08	8.92E-10	2.00E-08	4.01E-09	6.64E-09	2.20E-10	1.09E-08
247	742810.13	4110234.89	4.65E-08	8.48E-08	4.65E-09	1.36E-07	7.21E-09	1.39E-08	6.98E-10	2.18E-08	7.01E-09	1.20E-08	8.86E-10	1.99E-08	3.99E-09	6.60E-09	2.19E-10	1.08E-08
248	742796.65	4110255.11	4.61E-08	8.39E-08	4.61E-09	1.35E-07	7.14E-09	1.38E-08	6.91E-10	2.16E-08	6.95E-09	1.18E-08	8.78E-10	1.97E-08	3.95E-09	6.53E-09	2.16E-10	1.07E-08
249	742783.17	4110275.32	4.55E-08	8.29E-08	4.55E-09	1.33E-07	7.05E-09	1.36E-08	6.83E-10	2.13E-08	6.86E-09	1.17E-08	8.67E-10	1.94E-08	3.90E-09	6.45E-09	2.14E-10	1.06E-08
250	742769.69	4110295.54	4.48E-08	8.17E-08	4.49E-09	1.31E-07	6.95E-09	1.34E-08	6.73E-10	2.10E-08	6.76E-09	1.15E-08	8.55E-10	1.91E-08	3.84E-09	6.36E-09	2.11E-10	1.04E-08
251	742756.21	4110315.75	4.42E-08	8.05E-08	4.42E-09	1.29E-07	6.85E-09	1.32E-08	6.63E-10	2.07E-08	6.66E-09	1.14E-08	8.42E-10	1.89E-08	3.78E-09	6.26E-09	2.08E-10	1.03E-08
252	742742.73	4110335.96	4.34E-08	7.92E-08	4.35E-09	1.27E-07	6.74E-09	1.30E-08	6.52E-10	2.04E-08	6.55E-09	1.12E-08	8.28E-10	1.85E-08	3.72E-09	6.16E-09	2.04E-10	1.01E-08
253	742729.26	4110356.18	4.26E-08	7.76E-08	4.26E-09	1.25E-07	6.61E-09	1.27E-08	6.40E-10	2.00E-08	6.43E-09	1.10E-08	8.12E-10	1.82E-08	3.65E-09	6.04E-09	2.00E-10	9.89E-09
254	742715.78	4110376.39	4.16E-08	7.58E-08	4.16E-09	1.22E-07	6.45E-09	1.24E-08	6.24E-10	1.95E-08	6.27E-09	1.07E-08	7.93E-10	1.78E-08	3.56E-09	5.90E-09	1.95E-10	9.66E-09
255	742702.3	4110396.61	4.04E-08	7.36E-08	4.04E-09	1.18E-07	6.27E-09	1.21E-08	6.06E-10	1.89E-08	6.09E-09	1.04E-08	7.70E-10	1.72E-08	3.46E-09	5.73E-09	1.90E-10	9.38E-09
256	742688.82	4110416.82	3.91E-08	7.12E-08	3.91E-09	1.14E-07	6.06E-09	1.17E-08	5.87E-10	1.83E-08	5.90E-09	1.01E-08	7.45E-10	1.67E-08	3.35E-09	5.54E-09	1.84E-10	9.08E-09
257	742675.34	4110437.04	3.78E-08	6.89E-08	3.78E-09	1.10E-07	5.86E-09	1.13E-08	5.67E-10	1.77E-08	5.70E-09	9.72E-09	7.20E-10	1.61E-08	3.24E-09	5.36E-09	1.78E-10	8.78E-09
258	742661.86	4110457.25	3.66E-08	6.68E-08	3.67E-09	1.07E-07	5.68E-09	1.09E-08	5.50E-10	1.72E-08	5.53E-09	9.42E-09	6.98E-10	1.56E-08	3.14E-09	5.20E-09	1.72E-10	8.51E-09
259	742648.38	4110477.47	3.56E-08	6.49E-08	3.56E-09	1.04E-07	5.52E-09	1.06E-08	5.35E-10	1.67E-08	5.37E-09	9.16E-09	6.79E-10	1.52E-08	3.05E-09	5.05E-09	1.67E-10	8.27E-09
260	742634.9	4110497.68	3.47E-08	6.32E-08	3.47E-09	1.01E-07	5.38E-09	1.04E-08	5.20E-10	1.63E-08	5.23E-09	8.91E-09	6.61E-10	1.48E-08	2.97E-09	4.92E-09	1.63E-10	8.05E-09
261	742621.42	4110517.9	3.37E-08	6.14E-08	3.37E-09	9.85E-08	5.23E-09	1.01E-08	5.06E-10	1.58E-08	5.08E-09	8.66E-09	6.42E-10	1.44E-08	2.89E-09	4.78E-09	1.58E-10	7.82E-09
262	742607.94	4110538.11	3.26E-08	5.95E-08	3.27E-09	9.54E-08	5.06E-09	9.75E-09	4.90E-10	1.53E-08	4.92E-09	8.39E-09	6.22E-10	1.39E-08	2.80E-09	4.63E-09	1.53E-10	7.58E-09
263	742594.46	4110558.33	3.15E-08	5.74E-08	3.15E-09	9.20E-08	4.88E-09	9.40E-09	4.72E-10	1.48E-08	4.75E-09	8.09E-09	6.00E-10	1.34E-08	2.70E-09	4.46E-09	1.48E-10	7.31E-09

264	742773.75	4109609.46	1.29E-07	2.34E-07	1.29E-08	3.76E-07	1.99E-08	3.84E-08	1.93E-09	6.03E-08	1.94E-08	3.31E-08	2.45E-09	5.49E-08	1.10E-08	1.82E-08	6.04E-10	2.99E-08
265	742760.2	4109589.1	1.33E-07	2.42E-07	1.33E-08	3.88E-07	2.06E-08	3.97E-08	1.99E-09	6.23E-08	2.00E-08	3.42E-08	2.53E-09	5.67E-08	1.14E-08	1.88E-08	6.24E-10	3.09E-08
266	742746.65	4109568.74	1.35E-07	2.47E-07	1.35E-08	3.95E-07	2.10E-08	4.04E-08	2.03E-09	6.34E-08	2.04E-08	3.48E-08	2.58E-09	5.78E-08	1.16E-08	1.92E-08	6.36E-10	3.14E-08
267	742733.1	4109548.38	1.36E-07	2.48E-07	1.36E-08	3.97E-07	2.11E-08	4.06E-08	2.04E-09	6.37E-08	2.05E-08	3.49E-08	2.59E-09	5.80E-08	1.16E-08	1.93E-08	6.38E-10	3.15E-08
268	742719.56	4109528.02	1.35E-07	2.45E-07	1.35E-08	3.94E-07	2.09E-08	4.02E-08	2.02E-09	6.31E-08	2.03E-08	3.46E-08	2.57E-09	5.75E-08	1.15E-08	1.91E-08	6.33E-10	3.13E-08
269	742706.01	4109507.66	1.32E-07	2.41E-07	1.32E-08	3.86E-07	2.05E-08	3.95E-08	1.98E-09	6.19E-08	1.99E-08	3.40E-08	2.52E-09	5.64E-08	1.13E-08	1.87E-08	6.21E-10	3.07E-08
270	742692.46	4109487.3	1.28E-07	2.34E-07	1.28E-08	3.75E-07	1.99E-08	3.83E-08	1.93E-09	6.01E-08	1.93E-08	3.30E-08	2.44E-09	5.48E-08	1.10E-08	1.82E-08	6.03E-10	2.98E-08
271	742678.91	4109466.93	1.24E-07	2.25E-07	1.24E-08	3.61E-07	1.92E-08	3.69E-08	1.85E-09	5.79E-08	1.86E-08	3.18E-08	2.35E-09	5.27E-08	1.06E-08	1.75E-08	5.80E-10	2.87E-08
272	742665.36	4109446.57	1.18E-07	2.15E-07	1.18E-08	3.45E-07	1.83E-08	3.52E-08	1.77E-09	5.53E-08	1.78E-08	3.03E-08	2.25E-09	5.04E-08	1.01E-08	1.67E-08	5.54E-10	2.74E-08
273	742944.86	4109521.91	8.46E-08	1.54E-07	8.47E-09	2.47E-07	1.31E-08	2.53E-08	1.27E-09	3.97E-08	1.28E-08	2.17E-08	1.61E-09	3.61E-08	7.25E-09	1.20E-08	3.98E-10	1.96E-08
274	742949.46	4109545.16	8.28E-08	1.51E-07	8.29E-09	2.42E-07	1.28E-08	2.47E-08	1.24E-09	3.88E-08	1.25E-08	2.13E-08	1.58E-09	3.54E-08	7.10E-09	1.17E-08	3.89E-10	1.92E-08
275	742954.06	4109568.41	8.03E-08	1.46E-07	8.03E-09	2.35E-07	1.25E-08	2.40E-08	1.21E-09	3.76E-08	1.21E-08	2.06E-08	1.53E-09	3.43E-08	6.88E-09	1.14E-08	3.77E-10	1.86E-08
276	742958.66	4109591.66	7.72E-08	1.41E-07	7.72E-09	2.26E-07	1.20E-08	2.31E-08	1.16E-09	3.62E-08	1.16E-08	1.98E-08	1.47E-09	3.29E-08	6.61E-09	1.09E-08	3.63E-10	1.79E-08
277	742963.26	4109614.9	7.37E-08	1.34E-07	7.38E-09	2.15E-07	1.14E-08	2.20E-08	1.11E-09	3.46E-08	1.11E-08	1.89E-08	1.40E-09	3.15E-08	6.32E-09	1.05E-08	3.46E-10	1.71E-08
278	742967.86	4109638.15	7.02E-08	1.28E-07	7.03E-09	2.05E-07	1.09E-08	2.10E-08	1.05E-09	3.29E-08	1.06E-08	1.81E-08	1.34E-09	3.00E-08	6.02E-09	9.96E-09	3.30E-10	1.63E-08
279	742972.46	4109661.4	6.70E-08	1.22E-07	6.70E-09	1.96E-07	1.04E-08	2.00E-08	1.01E-09	3.14E-08	1.01E-08	1.72E-08	1.28E-09	2.86E-08	5.74E-09	9.50E-09	3.15E-10	1.56E-08
280	742977.06	4109684.65	6.43E-08	1.17E-07	6.43E-09	1.88E-07	9.97E-09	1.92E-08	9.65E-10	3.01E-08	9.69E-09	1.65E-08	1.22E-09	2.74E-08	5.51E-09	9.11E-09	3.02E-10	1.49E-08
281	742981.67	4109707.89	6.21E-08	1.13E-07	6.22E-09	1.82E-07	9.63E-09	1.86E-08	9.32E-10	2.91E-08	9.37E-09	1.60E-08	1.18E-09	2.65E-08	5.32E-09	8.81E-09	2.92E-10	1.44E-08
282	742986.27	4109731.14	6.05E-08	1.10E-07	6.05E-09	1.77E-07	9.38E-09	1.81E-08	9.08E-10	2.84E-08	9.12E-09	1.55E-08	1.15E-09	2.58E-08	5.18E-09	8.58E-09	2.84E-10	1.40E-08
283	742990.87	4109754.39	5.92E-08	1.08E-07	5.92E-09	1.73E-07	9.17E-09	1.77E-08	8.88E-10	2.77E-08	8.92E-09	1.52E-08	1.13E-09	2.53E-08	5.07E-09	8.39E-09	2.78E-10	1.37E-08
284	742995.47	4109777.63	5.79E-08	1.06E-07	5.80E-09	1.69E-07	8.98E-09	1.73E-08	8.69E-10	2.72E-08	8.73E-09	1.49E-08	1.10E-09	2.47E-08	4.96E-09	8.21E-09	2.72E-10	1.34E-08
285	743000.07	4109800.88	5.66E-08	1.03E-07	5.66E-09	1.65E-07	8.77E-09	1.69E-08	8.49E-10	2.65E-08	8.53E-09	1.45E-08	1.08E-09	2.41E-08	4.85E-09	8.02E-09	2.66E-10	1.31E-08
286	743004.67	4109824.13	5.49E-08	1.00E-07	5.50E-09	1.61E-07	8.52E-09	1.64E-08	8.24E-10	2.58E-08	8.28E-09	1.41E-08	1.05E-09	2.34E-08	4.71E-09	7.79E-09	2.58E-10	1.28E-08
287	743009.27	4109847.38	5.30E-08	9.66E-08	5.30E-09	1.55E-07	8.22E-09	1.58E-08	7.96E-10	2.49E-08	7.99E-09	1.36E-08	1.01E-09	2.26E-08	4.54E-09	7.52E-09	2.49E-10	1.23E-08
288	743013.87	4109870.62	5.09E-08	9.27E-08	5.09E-09	1.49E-07	7.89E-09	1.52E-08	7.64E-10	2.39E-08	7.67E-09	1.31E-08	9.70E-10	2.17E-08	4.36E-09	7.21E-09	2.39E-10	1.18E-08
289	743018.47	4109893.87	4.86E-08	8.86E-08	4.87E-09	1.42E-07	7.54E-09	1.45E-08	7.30E-10	2.28E-08	7.33E-09	1.25E-08	9.27E-10	2.08E-08	4.17E-09	6.89E-09	2.29E-10	1.13E-08
290	743023.07	4109917.12	4.64E-08	8.45E-08	4.64E-09	1.35E-07	7.19E-09	1.39E-08	6.96E-10	2.17E-08	6.99E-09	1.19E-08	8.83E-10	1.98E-08	3.97E-09	6.57E-09	2.18E-10	1.08E-08
291	743027.68	4109940.37	4.42E-08	8.05E-08	4.42E-09	1.29E-07	6.85E-09	1.32E-08	6.63E-10	2.07E-08	6.66E-09	1.14E-08	8.42E-10	1.89E-08	3.79E-09	6.26E-09	2.08E-10	1.03E-08
292	743032.28	4109963.61	4.22E-08	7.68E-08	4.22E-09	1.23E-07	6.54E-09	1.26E-08	6.33E-10	1.98E-08	6.36E-09	1.08E-08	8.03E-10	1.80E-08	3.61E-09	5.98E-09	1.98E-10	9.79E-09
293	743036.88	4109986.86	4.03E-08	7.35E-08	4.03E-09	1.18E-07	6.25E-09	1.20E-08	6.05E-10	1.89E-08	6.08E-09	1.04E-08	7.68E-10	1.72E-08	3.45E-09	5.72E-09	1.89E-10	9.36E-09
294	743041.48	4110010.11	3.86E-08	7.04E-08	3.87E-09	1.13E-07	5.99E-09	1.15E-08	5.80E-10	1.81E-08	5.83E-09	9.94E-09	7.36E-10	1.65E-08	3.31E-09	5.48E-09	1.82E-10	8.97E-09
295	743046.08	4110033.35	3.72E-08	6.77E-08	3.72E-09	1.09E-07	5.76E-09	1.11E-08	5.58E-10	1.74E-08	5.61E-09	9.56E-09	7.08E-10	1.59E-08	3.19E-09	5.27E-09	1.75E-10	8.63E-09
296	743050.68	4110056.6	3.59E-08	6.53E-08	3.59E-09	1.05E-07	5.56E-09	1.07E-08	5.38E-10	1.68E-08	5.41E-09	9.22E-09	6.83E-10	1.53E-08	3.07E-09	5.08E-09	1.69E-10	8.33E-09
297	743055.28	4110079.85	3.47E-08	6.32E-08	3.47E-09	1.01E-07	5.38E-09	1.04E-08	5.21E-10	1.63E-08	5.23E-09	8.92E-09	6.61E-10	1.48E-08	2.97E-09	4.92E-09	1.63E-10	8.06E-09
298	743059.88	4110103.1	3.37E-08	6.14E-08	3.37E-09	9.84E-08	5.22E-09	1.01E-08	5.06E-10	1.58E-08	5.08E-09	8.66E-09	6.42E-10	1.44E-08	2.89E-09	4.78E-09	1.58E-10	7.82E-09
299	743064.48	4110126.34	3.28E-08	5.98E-08	3.28E-09	9.59E-08	5.09E-09	9.80E-09	4.92E-10	1.54E-08	4.95E-09	8.43E-09	6.25E-10	1.40E-08	2.81E-09	4.65E-09	1.54E-10	7.62E-09
300	743069.08	4110149.59	3.20E-08	5.84E-08	3.21E-09	9.36E-08	4.97E-09	9.57E-09	4.81E-10	1.50E-08	4.83E-09	8.23E-09	6.10E-10	1.37E-08	2.74E-09	4.54E-09	1.51E-10	7.44E-09
301	743060.54	4110192.55	3.17E-08	5.77E-08	3.17E-09	9.26E-08	4.91E-09	9.47E-09	4.76E-10	1.49E-08	4.78E-09	8.15E-09	6.04E-10	1.35E-08	2.72E-09	4.49E-09	1.49E-10	7.36E-09
302	743047.39	4110212.27	3.20E-08	5.83E-08	3.20E-09	9.35E-08	4.96E-09	9.56E-09	4.80E-10	1.50E-08	4.83E-09	8.23E-09	6.10E-10	1.37E-08	2.74E-09	4.54E-09	1.50E-10	7.43E-09
303	743034.24	4110231.99	3.23E-08	5.88E-08	3.23E-09	9.43E-08	5.01E-09	9.64E-09	4.84E-10	1.51E-08	4.87E-09	8.30E-09	6.15E-10	1.38E-08	2.77E-09	4.58E-09	1.52E-10	7.49E-09
304	743021.1	4110251.7	3.25E-08	5.91E-08	3.25E-09	9.48E-08	5.03E-09	9.69E-09	4.87E-10	1.52E-08	4.89E-09	8.34E-09	6.18E-10	1.39E-08	2.78E-09	4.60E-09	1.53E-10	7.53E-09
305	743007.95	4110271.42	3.25E-08	5.93E-08	3.25E-09	9.50E-08	5.04E-09	9.72E-09	4.88E-10	1.52E-08	4.90E-09	8.36E-09	6.20E-10	1.39E-08	2.79E-09	4.61E-09	1.53E-10	7.55E-09
306	742994.8	4110291.14	3.25E-08	5.92E-08	3.25E-09	9.49E-08	5.04E-09	9.70E-09	4.88E-10	1.52E-08	4.90E-09	8.35E-09	6.19E-10	1.39E-08	2.78E-09	4.61E-09	1.53E-10	7.54E-09
307	742981.65	4110310.85	3.23E-08	5.89E-08	3.23E-09	9.44E-08	5.01E-09	9.66E-09	4.85E-10	1.52E-08	4.87E-09	8.31E-09	6.16E-10	1.38E-08	2.77E-09	4.58E-09	1.52E-10	7.50E-09
308	742968.51	4110330.57	3.21E-08	5.84E-08	3.21E-09	9.37E-08	4.97E-09	9.58E-09	4.81E-10	1.50E-08	4.83E-09	8.24E-09	6.11E-10	1.37E-08	2.75E-09	4.55E-09	1.51E-10	7.44E-09
309	742955.36	4110350.29	3.17E-08	5.78E-08	3.17E-09	9.26E-08	4.92E-09	9.47E-09	4.76E-10	1.49E-08	4.78E-09	8.15E-09	6.04E-10	1.35E-08	2.72E-09	4.50E-09	1.49E-10	7.36E-09
310	742942.21	4110370	3.13E-08	5.70E-08	3.13E-09	9.14E-08	4.85E-09	9.34E-09	4.69E-10	1.47E-08	4.72E-09	8.04E-09	5.96E-10	1.34E-08	2.68E-09	4.43E-09	1.47E-10	7.26E-09
311	742929.06	4110389.72	3.08E-08	5.61E-08	3.08E-09	8.99E-08	4.77E-09	9.20E-09	4.62E-10	1.44E-08	4.64E-09	7.91E-09	5.87E-10	1.31E-08	2.64E-09	4.36E-09	1.45E-10	7.15E-09
312	742915.92	4110409.44	3.02E-08	5.51E-08	3.02E-09	8.83E-08	4.69E-09	9.03E-09	4.54E-10	1.42E-08	4.56E-09	7.77E-09	5.76E-10	1.29E-08	2.59E-09	4.29E-09	1.42E-10	7.02E-09
313	742902.77	4110429.16	2.96E-08	5.40E-08	2.97E-09	8.66E-08	4.60E-09	8.86E-09	4.45E-10	1.39E-08	4.47E-09	7.62E-09	5.65E-10	1.27E-08	2.54E-09	4.20E-09	1.39E-10	6.88E-09
314	742889.62	4110448.87	2.90E-08	5.29E-08	2.91E-09	8.49E-08	4.50E-09	8.68E-09	4.36E-10	1.36E-08	4.38E-09	7.47E-09	5.53E-10	1.24E-08	2.49E-09	4.12E-09	1.36E-10	6.74E-09
315	742876.47	4110468.59	2.84E-08	5.18E-08	2.85E-09	8.31E-08	4.41E-09	8.50E-09	4.27E-10	1.33E-08	4.29E-09	7.31E-09	5.42E-10	1.21E-08	2.44E-09	4.03E-09	1.34E-10	6.60E-09
316	742863.33	4110488.31	2.78E-08	5.07E-08	2.78E-09	8.13E-08	4.32E-09	8.31E-09	4.18E-10	1.30E-08	4.20E-09	7.15E-09	5.30E-10	1.19E-08	2.38E-09	3.95E-09	1.31E-10	6.46E-09
317	742850.18	4110508.02	2.72E-08	4.96E-08	2.73E-09	7.96E-08	4.22E-09	8.14E-09	4.09E-10	1.28E-08	4.11E-09	7.00E-09	5.19E-10	1.16E-08	2.33E-09	3.86E-09	1.28E-10	6.32E-09
318	742837.03	4110527.74	2.67E-08	4.86E-08	2.67E-09	7.79E-08	4.14E-09	7.97E-09	4.00E-10	1.25E-08	4.02E-09	6.85E-09	5.08E-10	1.14E-08	2.28E-09	3.78E-09	1.25E-10	6.19E-09
319	742823.89	4110547.46	2.61E-08	4.76E-08	2.61E-09	7.63E-08	4.05E-09	7.80E-09	3.92E-10	1.22E-08	3.94E-09	6.72E-09	4.98E-10	1.12E-08	2.24E-09	3.70E-09	1.23E-10	6.07E-09
320	742810.74	4110567.17	2.56E-08	4.67E-08	2.56E-09	7.49E-08	3.97E-09	7.66E-09	3.85E-10	1.20E-08	3.87E-09	6.59E-09	4.88E-10	1.09E-08	2.20E-09	3.63E-09	1.20E-10	5.95E-09
321	742797.59	4110586.89	2.52E-08	4.59E-08	2.52E-09	7.36E-08	3.91E-09	7.52E-09	3.78E-10	1.18E-08	3.80E-09	6.47E-09	4.80E-10	1.08E-08	2.16E-09	3.57E-09	1.18E-10	5.85E-09
322	742784.44	4110606.61	2.48E-08	4.51E-08	2.48E-09	7.24E-08	3.84E-09	7.40E-09	3.72E-10	1.16E-08	3.73E-09	6.37E-09	4.72E-10	1.06E-08	2.12E-09	3.51E-09	1.16E-10	5.75E-09
323	742771.3	4110626.32	2.43E-08	4.43E-08	2.44E-09	7.11E-08	3.77E-09	7.27E-09	3.65E-10	1.14E-08	3.67E-09	6.26E-09	4.64E-10	1.04E-08	2.09E-09	3.45E-09	1.14E-10	5.65E-09
324	742758.15	4110646.04	2.39E-08	4.35E-08	2.39E-09	6.97E-08	3.70E-09	7.13E-09	3.58E-10	1.12E-08	3.60E-09	6.13E-09	4.55E-10	1.02E-08	2.04E-09	3.38E-09	1.12E-10	5.54E-09
325	742745	4110665.76	2.33E-08	4.25E-08	2.33E-09	6.81E-08	3.61E-09	6.96E-09	3.50E-10	1.09E-08	3.51E-09	5.99E-09	4.44E-10	9.95E-09	2.00E-09	3.30E-09	1.10E-10	5.41E-09
326	742731.85	4110685.47	2.27E-08	4.13E-08	2.27E-09	6.63E-08	3.52E-09	6.78E-09	3.40E-10	1.06E-08	3.42E-09	5.83E-09	4.32E-10	9.68E-09	1.94E-09	3.22E-09	1.07E-10	5.27E-09
327	742718.71	4110705.19	2.20E-08	4.01E-08	2.20E-09	6.43E-08	3.41E-09	6.57E-09	3.30E-10	1.03E-08	3.32E-09	5.66E-09	4.19E-10	9.39E-09	1.89E-09	3.12E-09	1.03E-10	5.11E-09
328	742705.56	4110724.91	2.13E-08	3.88E-08	2.13E-09	6.23E-08	3.30E-09	6.37E-09	3.20E-10	9.99E-09	3.21E-09	5.48E-09	4.06E-10	9.10E-09	1.83E-09	3.02E-09	1.00E-10	4.95E-09
329	742940.26	4109498.67	8.56E-08	1.56E-07	8.57E-09	2.50E-07	1.33E-08	2.56E-08	1.28E-09	4.01E-08	1.29E-08	2.20E-08	1.63E-09	3.65E-08	7.34E-09	1.21E-08	4.02E-10	1.99E-08
330	742926.71	4109478.31	8.74E-08	1.59E-07	8.75E-09	2.55E-07	1.36E-08	2.61E-08	1.31E-09	4.10E-08	1.32E-08	2.25E-08	1.67E-09	3.73E-08	7.49E-09	1.24E-08	4.11E-10	2.03E-08
331	742913.16	4109457.95	8.84E-08	1.61E-07	8.85E-09	2.58E-07	1.37E-08	2.64E-08	1.33E-09	4.14E-08	1.33E-08	2.27E-08	1.68E-09	3.77E-08	7.58E-09	1.25E-08	4.15E-10	2.05E-08
332	742899.61	4109437.58	8.86E-08	1.61E-07	8.86E-09	2.59E-07	1.37E-08	2.65E-08	1.33E-09	4.15E-08	1.34E-08	2.28E-08	1.69E-09	3.78E-08	7.59E-09	1.26E-08	4.16E-10	2.06E-08
333	742886.06	4109417.22	8.79E-08	1.60E-07	8.80E-09	2.57E-07	1.36E-08	2.63E-08	1.32E-09	4.12E-08	1.33E-08	2.26E-08	1.68E-09	3.75E-08	7.54E-09	1.25E-08	4.13E-10	2.04E-08
334	742872.51	4109396.86	8.67E-08	1.58E-07	8.67E-09	2.53E-07	1.34E-08	2.59E-08	1.30E-09	4.06E-08	1.31E-08	2.23E-08	1.65E-09	3.70E-08	7.43E-09	1.23E-08	4.07E-10	2.01E-08
335	742858.96	4109376.5	8.49E-08	1.55E-07	8.50E-09	2.48E-07	1.32E-08	2.54E-08	1.27E-09	3.98E-08	1.28E-08	2.18E-08	1.62E-09	3.62E-08	7.28E-09	1.20E-08	3.99E-10	1.97E-08
336	742845.42	4109356.14	8.28E-08	1.51E-07	8.28E-09	2.42E-07	1.28E-08	2.47E-08	1.24E-09	3.88E-08	1.25E-08	2.13E-08	1.58E-09	3.53E-08	7.09E-09	1.17E-08	3.89E-10	1.92E-08
337	742831.87	4109335.78	8.03E-08	1.46E-07	8.04E-09	2.35E-07	1.25E-08	2.40E-08	1.21E-09	3.77E-08	1.21E-08	2.06E-08	1.53E-09	3.43E-08	6.88E-09	1.14E-08	3.77E-10	1.86E-08
338	743111.42	4109411.41	6.18E-08	1.13E-07	6.19E-09	1.81E-07	9.59E-09	1.85E-08	9.28E-10	2.90E-08	9.32E-09	1.59E-08	1.18E-09	2.64E-08	5.30E-09	8.77E-09	2.91E-10	1.44E-08
339	743116.08	4109434.96	6.10E-08	1.11E-07	6.11E-09	1.78E-07	9.47E-09	1.82E-08	9.16E-10	2.86E-08	9.21E-09	1.57E-08	1.16E-09	2.61E-08	5.23E-09	8.66E-09	2.87E-10	1.42E-08
340	743120.74	4109458.5	5.98E-08	1.09E-07	5.98E-09	1.75E-07	9.28E-09	1.79E-08	8.98E-10	2.80E-08	9.02E-09	1.54E-08	1.14E-09	2.55E-08	5.13E-09	8.48E-09	2.81E-10	1.39E-08
341	743125.4	4109482.04	5.81E-08	1.06E-07	5.82E-09	1.70E-07	9.01E-09	1.74E-08	8.72E-10	2.73E-08	8.77E-09	1.49E-08	1.11E-09	2.48E-08	4.98E-09	8.24E-09	2.73E-10	1.35E-08
342	743130.06	4109505.58	5.61E-08	1.02E-07	5.61E-09	1.64E-07	8.70E-09	1.68E-08	8.42E-10	2.63E-08	8.46E-09	1.44E-08	1.07E-09	2.39E-08	4.81E-09	7.95E-09	2.64E-10	1.30E-08
343	743134.72	4109529.13	5.38E-08	9.81E-08	5.38E-09	1.57E-07	8.35E-09	1.61E-08	8.08E-10	2.52E-08	8.12E-09	1.38E-08	1.03E-09	2.30E-08	4.61E-09	7.63E-09	2.53E-10	1.25E-08
344	743139.38	4109552.67	5.14E-08	9.37E-08	5.15E-09	1.50E-07	7.97E-09	1.54E-08	7.72E-10	2.41E-08	7.75E-09	1.32E-08	9.80E-10	2.20E-08	4.41E-09	7.29E-09	2.42E-10	1.19E-08
345	743144.04	4109576.21	4.91E-08	8.95E-08	4.92E-09	1.44E-07	7.62E-09	1.47E-08	7.37E-10	2.30E-08	7.41E-09	1.26E-08	9.36E-10	2.10E-08	4.21E-09	6.97E-09	2.31E-10	1.14E-08
346	743148.7	4109599.75	4.71E-08	8.58E-08	4.71E-09	1.38E-07	7.30E-09	1.41E-08	7.07E-10	2.21E-08	7.10E-09	1.21E-08	8.97E-10	2.01E-08	4.03E-09	6.68E-09	2.21E-10	1.09E-08
347	743153.36	4109623.3	4.54E-08	8.27E-08	4.54E-09	1.33E-07	7.04E-09	1.36E-08	6.81E-10	2.13E-08	6.84E-09	1.17E-08	8.65E-10	1.94E-08	3.89E-09	6.43E-09	2.13E-10	1.05E-08
348	743158.02	4109646.84	4.41E-08	8.03E-08	4.41E-09	1.29E-07	6.83E-09	1.32E-08	6.61E-10	2.07E-08	6.64E-09	1.13E-08	8.40E-10	1.88E-08	3.78E-09	6.25E-09	2.07E-10	1.02E-08
349	743162.68	4109670.38	4.31E-08	7.86E-08	4.31E-09	1.26E-07	6.69E-09	1.29E-08	6.47E-10	2.02E-08	6.50E-09	1.11E-08	8.22E-10	1.84E-08	3.69E-09	6.11E-09	2.03E-10	1.00E-08
350	743167.34	4109693.92	4.24E-08	7.73E-08	4.25E-09	1.24E-07	6.58E-09	1.27E-08	6.37E-10	1.99E-08	6.40E-09	1.09E-08	8.09E-10	1.81E-08	3.64E-09	6.02E-09	1.99E-10	9.85E-09
351	743171.99	4109717.47	4.19E-08	7.64E-08	4.20E-09	1.23E-07	6.50E-09	1.25E-08	6.29E-10	1.97E-08	6.32E-09	1.08E-08	7.99E-10	1.79E-08	3.59E-09	5.95E-09	1.97E-10	9.74E-09
352	743176.65	4109741.01	4.15E-08	7.55E-08	4.15E-09	1.21E-07	6.43E-09	1.24E-08	6.22E-10	1.94E-08	6.25E-09	1.07E-08	7.90E-10	1.77E-08	3.55E-09	5.88E-09	1.95E-10	9.62E-09

353	743181.31	4109764.55	4.09E-08	7.44E-08	4.09E-09	1.19E-07	6.34E-09	1.22E-08	6.13E-10	1.92E-08	6.16E-09	1.05E-08	7.78E-10	1.74E-08	3.50E-09	5.79E-09	1.92E-10	9.49E-09
354	743185.97	4109788.09	4.00E-08	7.30E-08	4.01E-09	1.17E-07	6.21E-09	1.20E-08	6.01E-10	1.88E-08	6.04E-09	1.03E-08	7.63E-10	1.71E-08	3.43E-09	5.68E-09	1.88E-10	9.30E-09
355	743190.63	4109811.64	3.90E-08	7.11E-08	3.90E-09	1.14E-07	6.05E-09	1.17E-08	5.85E-10	1.83E-08	5.88E-09	1.00E-08	7.43E-10	1.67E-08	3.34E-09	5.53E-09	1.83E-10	9.06E-09
356	743195.29	4109835.18	3.78E-08	6.88E-08	3.78E-09	1.10E-07	5.86E-09	1.13E-08	5.67E-10	1.77E-08	5.70E-09	9.71E-09	7.20E-10	1.61E-08	3.24E-09	5.36E-09	1.78E-10	8.77E-09
357	743199.95	4109858.72	3.64E-08	6.63E-08	3.64E-09	1.06E-07	5.64E-09	1.09E-08	5.46E-10	1.71E-08	5.49E-09	9.36E-09	6.94E-10	1.55E-08	3.12E-09	5.16E-09	1.71E-10	8.45E-09
358	743204.61	4109882.26	3.49E-08	6.37E-08	3.50E-09	1.02E-07	5.42E-09	1.04E-08	5.25E-10	1.64E-08	5.27E-09	8.98E-09	6.66E-10	1.49E-08	2.99E-09	4.96E-09	1.64E-10	8.11E-09
359	743209.27	4109905.81	3.35E-08	6.10E-08	3.35E-09	9.79E-08	5.19E-09	1.00E-08	5.03E-10	1.57E-08	5.05E-09	8.61E-09	6.38E-10	1.43E-08	2.87E-09	4.75E-09	1.57E-10	7.78E-09
360	743213.93	4109929.35	3.21E-08	5.85E-08	3.21E-09	9.38E-08	4.98E-09	9.59E-09	4.82E-10	1.51E-08	4.84E-09	8.25E-09	6.12E-10	1.37E-08	2.75E-09	4.55E-09	1.51E-10	7.45E-09
361	743218.59	4109952.89	3.08E-08	5.62E-08	3.08E-09	9.01E-08	4.78E-09	9.21E-09	4.63E-10	1.44E-08	4.65E-09	7.92E-09	5.87E-10	1.32E-08	2.64E-09	4.37E-09	1.45E-10	7.15E-09
362	743223.25	4109976.43	2.96E-08	5.40E-08	2.97E-09	8.66E-08	4.60E-09	8.86E-09	4.45E-10	1.39E-08	4.47E-09	7.62E-09	5.65E-10	1.27E-08	2.54E-09	4.20E-09	1.39E-10	6.88E-09
363	743227.91	4109999.98	2.86E-08	5.21E-08	2.86E-09	8.36E-08	4.43E-09	8.54E-09	4.29E-10	1.34E-08	4.31E-09	7.35E-09	5.45E-10	1.22E-08	2.45E-09	4.05E-09	1.34E-10	6.64E-09
364	743232.57	4110023.52	2.77E-08	5.04E-08	2.77E-09	8.08E-08	4.29E-09	8.26E-09	4.15E-10	1.30E-08	4.17E-09	7.11E-09	5.27E-10	1.18E-08	2.37E-09	3.92E-09	1.30E-10	6.42E-09
365	743237.23	4110047.06	2.68E-08	4.89E-08	2.68E-09	7.84E-08	4.16E-09	8.02E-09	4.03E-10	1.26E-08	4.05E-09	6.90E-09	5.11E-10	1.15E-08	2.30E-09	3.80E-09	1.26E-10	6.23E-09
366	743241.89	4110070.6	2.61E-08	4.75E-08	2.61E-09	7.62E-08	4.04E-09	7.79E-09	3.91E-10	1.22E-08	3.93E-09	6.71E-09	4.97E-10	1.11E-08	2.23E-09	3.70E-09	1.23E-10	6.06E-09
367	743246.55	4110094.14	2.54E-08	4.63E-08	2.54E-09	7.43E-08	3.94E-09	7.59E-09	3.81E-10	1.19E-08	3.83E-09	6.53E-09	4.84E-10	1.08E-08	2.18E-09	3.60E-09	1.19E-10	5.90E-09
368	743251.2	4110117.69	2.48E-08	4.52E-08	2.48E-09	7.25E-08	3.85E-09	7.41E-09	3.72E-10	1.16E-08	3.74E-09	6.38E-09	4.73E-10	1.06E-08	2.13E-09	3.52E-09	1.17E-10	5.76E-09
369	743255.86	4110141.23	2.43E-08	4.42E-08	2.43E-09	7.09E-08	3.76E-09	7.25E-09	3.64E-10	1.14E-08	3.66E-09	6.24E-09	4.62E-10	1.04E-08	2.08E-09	3.44E-09	1.14E-10	5.63E-09
370	743260.52	4110164.77	2.38E-08	4.33E-08	2.38E-09	6.95E-08	3.69E-09	7.11E-09	3.57E-10	1.12E-08	3.59E-09	6.11E-09	4.53E-10	1.02E-08	2.04E-09	3.37E-09	1.12E-10	5.52E-09
371	743265.18	4110188.31	2.34E-08	4.26E-08	2.34E-09	6.83E-08	3.62E-09	6.98E-09	3.51E-10	1.10E-08	3.52E-09	6.01E-09	4.45E-10	9.97E-09	2.00E-09	3.31E-09	1.10E-10	5.42E-09
372	743256.53	4110231.82	2.32E-08	4.24E-08	2.33E-09	6.79E-08	3.60E-09	6.94E-09	3.49E-10	1.09E-08	3.51E-09	5.98E-09	4.43E-10	9.92E-09	1.99E-09	3.30E-09	1.09E-10	5.40E-09
373	743243.21	4110251.79	2.35E-08	4.29E-08	2.35E-09	6.87E-08	3.65E-09	7.03E-09	3.53E-10	1.10E-08	3.55E-09	6.05E-09	4.48E-10	1.00E-08	2.02E-09	3.34E-09	1.11E-10	5.46E-09
374	743229.9	4110271.76	2.38E-08	4.34E-08	2.38E-09	6.95E-08	3.69E-09	7.11E-09	3.57E-10	1.12E-08	3.59E-09	6.12E-09	4.53E-10	1.02E-08	2.04E-09	3.37E-09	1.12E-10	5.52E-09
375	743216.58	4110291.73	2.40E-08	4.38E-08	2.40E-09	7.02E-08	3.73E-09	7.18E-09	3.61E-10	1.13E-08	3.62E-09	6.18E-09	4.58E-10	1.03E-08	2.06E-09	3.41E-09	1.13E-10	5.58E-09
376	743203.27	4110311.69	2.42E-08	4.41E-08	2.42E-09	7.08E-08	3.76E-09	7.24E-09	3.64E-10	1.14E-08	3.65E-09	6.23E-09	4.62E-10	1.03E-08	2.08E-09	3.44E-09	1.14E-10	5.63E-09
377	743189.96	4110331.66	2.43E-08	4.44E-08	2.44E-09	7.12E-08	3.78E-09	7.27E-09	3.65E-10	1.14E-08	3.67E-09	6.26E-09	4.64E-10	1.04E-08	2.09E-09	3.45E-09	1.14E-10	5.65E-09
378	743176.64	4110351.63	2.44E-08	4.44E-08	2.44E-09	7.13E-08	3.78E-09	7.29E-09	3.66E-10	1.14E-08	3.68E-09	6.27E-09	4.65E-10	1.04E-08	2.09E-09	3.46E-09	1.15E-10	5.66E-09
379	743163.33	4110371.59	2.43E-08	4.43E-08	2.43E-09	7.11E-08	3.77E-09	7.27E-09	3.65E-10	1.14E-08	3.67E-09	6.26E-09	4.64E-10	1.04E-08	2.09E-09	3.45E-09	1.14E-10	5.65E-09
380	743150.01	4110391.56	2.42E-08	4.41E-08	2.42E-09	7.07E-08	3.75E-09	7.23E-09	3.63E-10	1.13E-08	3.65E-09	6.22E-09	4.61E-10	1.03E-08	2.07E-09	3.43E-09	1.14E-10	5.62E-09
381	743136.7	4110411.53	2.40E-08	4.37E-08	2.40E-09	7.01E-08	3.72E-09	7.16E-09	3.60E-10	1.12E-08	3.62E-09	6.16E-09	4.57E-10	1.02E-08	2.05E-09	3.40E-09	1.13E-10	5.57E-09
382	743123.38	4110431.5	2.37E-08	4.32E-08	2.37E-09	6.92E-08	3.67E-09	7.08E-09	3.55E-10	1.11E-08	3.57E-09	6.09E-09	4.51E-10	1.01E-08	2.03E-09	3.36E-09	1.11E-10	5.50E-09
383	743110.07	4110451.46	2.33E-08	4.25E-08	2.33E-09	6.82E-08	3.62E-09	6.97E-09	3.50E-10	1.09E-08	3.52E-09	6.00E-09	4.44E-10	9.96E-09	2.00E-09	3.31E-09	1.10E-10	5.42E-09
384	743096.76	4110471.43	2.29E-08	4.18E-08	2.29E-09	6.70E-08	3.55E-09	6.85E-09	3.44E-10	1.07E-08	3.46E-09	5.89E-09	4.37E-10	9.78E-09	1.96E-09	3.25E-09	1.08E-10	5.32E-09
385	743083.44	4110491.4	2.25E-08	4.09E-08	2.25E-09	6.57E-08	3.48E-09	6.71E-09	3.37E-10	1.05E-08	3.39E-09	5.78E-09	4.28E-10	9.59E-09	1.93E-09	3.19E-09	1.06E-10	5.22E-09
386	743070.13	4110511.36	2.20E-08	4.01E-08	2.20E-09	6.42E-08	3.41E-09	6.57E-09	3.30E-10	1.03E-08	3.31E-09	5.65E-09	4.19E-10	9.38E-09	1.88E-09	3.12E-09	1.03E-10	5.10E-09
387	743056.81	4110531.33	2.15E-08	3.92E-08	2.15E-09	6.28E-08	3.33E-09	6.42E-09	3.23E-10	1.01E-08	3.24E-09	5.52E-09	4.10E-10	9.17E-09	1.84E-09	3.05E-09	1.01E-10	4.99E-09
388	743043.5	4110551.3	2.10E-08	3.83E-08	2.10E-09	6.14E-08	3.26E-09	6.28E-09	3.15E-10	9.85E-09	3.17E-09	5.40E-09	4.01E-10	8.97E-09	1.80E-09	2.98E-09	9.88E-11	4.88E-09
389	743030.18	4110571.27	2.06E-08	3.75E-08	2.06E-09	6.02E-08	3.19E-09	6.15E-09	3.09E-10	9.65E-09	3.10E-09	5.29E-09	3.92E-10	8.79E-09	1.76E-09	2.92E-09	9.68E-11	4.78E-09
390	743016.87	4110591.23	2.02E-08	3.68E-08	2.02E-09	5.91E-08	3.14E-09	6.04E-09	3.03E-10	9.48E-09	3.05E-09	5.20E-09	3.85E-10	8.63E-09	1.73E-09	2.87E-09	9.50E-11	4.69E-09
391	743003.56	4110611.2	1.99E-08	3.63E-08	1.99E-09	5.82E-08	3.09E-09	5.95E-09	2.99E-10	9.34E-09	3.00E-09	5.12E-09	3.79E-10	8.50E-09	1.71E-09	2.82E-09	9.36E-11	4.62E-09
392	742990.24	4110631.17	1.97E-08	3.58E-08	1.97E-09	5.75E-08	3.05E-09	5.88E-09	2.95E-10	9.22E-09	2.97E-09	5.06E-09	3.75E-10	8.40E-09	1.69E-09	2.79E-09	9.24E-11	4.57E-09
393	742976.93	4110651.13	1.95E-08	3.55E-08	1.95E-09	5.69E-08	3.02E-09	5.82E-09	2.92E-10	9.13E-09	2.94E-09	5.01E-09	3.71E-10	8.31E-09	1.67E-09	2.76E-09	9.15E-11	4.52E-09
394	742963.61	4110671.1	1.93E-08	3.52E-08	1.93E-09	5.64E-08	2.99E-09	5.77E-09	2.90E-10	9.05E-09	2.91E-09	4.96E-09	3.68E-10	8.24E-09	1.65E-09	2.74E-09	9.07E-11	4.48E-09
395	742950.3	4110691.07	1.92E-08	3.49E-08	1.92E-09	5.60E-08	2.97E-09	5.72E-09	2.88E-10	8.98E-09	2.89E-09	4.93E-09	3.65E-10	8.18E-09	1.64E-09	2.72E-09	9.01E-11	4.45E-09
396	742936.98	4110711.03	1.90E-08	3.46E-08	1.90E-09	5.55E-08	2.95E-09	5.68E-09	2.85E-10	8.91E-09	2.87E-09	4.89E-09	3.62E-10	8.12E-09	1.63E-09	2.70E-09	8.93E-11	4.41E-09
397	742923.67	4110731	1.88E-08	3.43E-08	1.88E-09	5.50E-08	2.92E-09	5.63E-09	2.83E-10	8.83E-09	2.84E-09	4.84E-09	3.59E-10	8.04E-09	1.61E-09	2.67E-09	8.85E-11	4.37E-09
398	742910.36	4110750.97	1.86E-08	3.39E-08	1.86E-09	5.44E-08	2.89E-09	5.56E-09	2.79E-10	8.72E-09	2.81E-09	4.78E-09	3.55E-10	7.94E-09	1.59E-09	2.64E-09	8.74E-11	4.32E-09
399	742897.04	4110770.94	1.83E-08	3.34E-08	1.83E-09	5.36E-08	2.84E-09	5.48E-09	2.75E-10	8.59E-09	2.76E-09	4.71E-09	3.49E-10	7.83E-09	1.57E-09	2.60E-09	8.61E-11	4.26E-09
400	742883.73	4110790.9	1.80E-08	3.28E-08	1.80E-09	5.26E-08	2.79E-09	5.37E-09	2.70E-10	8.43E-09	2.71E-09	4.62E-09	3.43E-10	7.68E-09	1.54E-09	2.55E-09	8.45E-11	4.18E-09
401	742870.41	4110810.87	1.76E-08	3.21E-08	1.76E-09	5.14E-08	2.73E-09	5.26E-09	2.64E-10	8.25E-09	2.65E-09	4.52E-09	3.35E-10	7.51E-09	1.51E-09	2.49E-09	8.27E-11	4.09E-09
402	742857.1	4110830.84	1.72E-08	3.13E-08	1.72E-09	5.01E-08	2.66E-09	5.13E-09	2.58E-10	8.04E-09	2.59E-09	4.41E-09	3.27E-10	7.33E-09	1.47E-09	2.43E-09	8.06E-11	3.98E-09
403	742843.78	4110850.8	1.67E-08	3.04E-08	1.67E-09	4.88E-08	2.59E-09	4.99E-09	2.51E-10	7.83E-09	2.52E-09	4.29E-09	3.18E-10	7.13E-09	1.43E-09	2.37E-09	7.85E-11	3.88E-09
404	742830.47	4110870.77	1.62E-08	2.96E-08	1.62E-09	4.74E-08	2.52E-09	4.85E-09	2.43E-10	7.60E-09	2.45E-09	4.17E-09	3.09E-10	6.92E-09	1.39E-09	2.30E-09	7.62E-11	3.77E-09
405	742817.16	4110890.74	1.57E-08	2.87E-08	1.57E-09	4.60E-08	2.44E-09	4.70E-09	2.36E-10	7.37E-09	2.37E-09	4.04E-09	3.00E-10	6.71E-09	1.35E-09	2.23E-09	7.39E-11	3.65E-09
406	743106.76	4109387.87	6.22E-08	1.13E-07	6.22E-09	1.82E-07	9.64E-09	1.86E-08	9.33E-10	2.91E-08	9.38E-09	1.60E-08	1.18E-09	2.65E-08	5.33E-09	8.82E-09	2.92E-10	1.44E-08
407	743093.21	4109367.51	6.30E-08	1.15E-07	6.31E-09	1.84E-07	9.77E-09	1.88E-08	9.46E-10	2.95E-08	9.50E-09	1.62E-08	1.20E-09	2.69E-08	5.40E-09	8.93E-09	2.96E-10	1.46E-08
408	743079.67	4109347.15	6.34E-08	1.16E-07	6.35E-09	1.85E-07	9.84E-09	1.89E-08	9.52E-10	2.97E-08	9.57E-09	1.63E-08	1.21E-09	2.71E-08	5.44E-09	8.99E-09	2.98E-10	1.47E-08
409	743066.12	4109326.79	6.34E-08	1.16E-07	6.35E-09	1.85E-07	9.84E-09	1.90E-08	9.52E-10	2.97E-08	9.57E-09	1.63E-08	1.21E-09	2.71E-08	5.44E-09	9.00E-09	2.98E-10	1.47E-08
410	743052.57	4109306.43	6.31E-08	1.15E-07	6.31E-09	1.84E-07	9.78E-09	1.88E-08	9.46E-10	2.96E-08	9.51E-09	1.62E-08	1.20E-09	2.69E-08	5.40E-09	8.94E-09	2.96E-10	1.46E-08
411	743039.02	4109286.07	6.23E-08	1.14E-07	6.24E-09	1.82E-07	9.67E-09	1.86E-08	9.36E-10	2.92E-08	9.40E-09	1.60E-08	1.19E-09	2.66E-08	5.34E-09	8.84E-09	2.93E-10	1.45E-08
412	743025.47	4109265.7	6.13E-08	1.12E-07	6.14E-09	1.79E-07	9.51E-09	1.83E-08	9.21E-10	2.88E-08	9.25E-09	1.58E-08	1.17E-09	2.62E-08	5.26E-09	8.70E-09	2.88E-10	1.42E-08
413	743011.92	4109245.34	6.01E-08	1.10E-07	6.02E-09	1.76E-07	9.32E-09	1.80E-08	9.02E-10	2.82E-08	9.07E-09	1.55E-08	1.15E-09	2.57E-08	5.15E-09	8.52E-09	2.83E-10	1.40E-08
414	742998.37	4109224.98	5.87E-08	1.07E-07	5.88E-09	1.72E-07	9.11E-09	1.76E-08	8.82E-10	2.75E-08	8.86E-09	1.51E-08	1.12E-09	2.51E-08	5.03E-09	8.33E-09	2.76E-10	1.36E-08
415	743277.97	4109300.83	4.75E-08	8.66E-08	4.75E-09	1.39E-07	7.37E-09	1.42E-08	7.13E-10	2.23E-08	7.17E-09	1.22E-08	9.06E-10	2.03E-08	4.07E-09	6.74E-09	2.23E-10	1.10E-08
416	743282.67	4109324.58	4.72E-08	8.60E-08	4.72E-09	1.38E-07	7.32E-09	1.41E-08	7.09E-10	2.21E-08	7.12E-09	1.21E-08	9.00E-10	2.02E-08	4.05E-09	6.69E-09	2.22E-10	1.10E-08
417	743287.37	4109348.33	4.66E-08	8.50E-08	4.67E-09	1.36E-07	7.23E-09	1.39E-08	7.00E-10	2.19E-08	7.03E-09	1.20E-08	8.89E-10	1.99E-08	4.00E-09	6.61E-09	2.19E-10	1.08E-08
418	743292.07	4109372.08	4.58E-08	8.34E-08	4.58E-09	1.34E-07	7.10E-09	1.37E-08	6.87E-10	2.15E-08	6.90E-09	1.18E-08	8.72E-10	1.95E-08	3.92E-09	6.49E-09	2.15E-10	1.06E-08
419	743296.77	4109395.83	4.46E-08	8.13E-08	4.46E-09	1.30E-07	6.92E-09	1.33E-08	6.70E-10	2.09E-08	6.73E-09	1.15E-08	8.50E-10	1.90E-08	3.82E-09	6.33E-09	2.10E-10	1.04E-08
420	743301.47	4109419.58	4.32E-08	7.87E-08	4.32E-09	1.26E-07	6.70E-09	1.29E-08	6.49E-10	2.03E-08	6.52E-09	1.11E-08	8.23E-10	1.84E-08	3.70E-09	6.13E-09	2.03E-10	1.00E-08
421	743306.17	4109443.33	4.16E-08	7.58E-08	4.16E-09	1.22E-07	6.45E-09	1.24E-08	6.25E-10	1.95E-08	6.28E-09	1.07E-08	7.93E-10	1.78E-08	3.57E-09	5.90E-09	1.96E-10	9.66E-09
422	743310.87	4109467.09	3.99E-08	7.27E-08	3.99E-09	1.17E-07	6.19E-09	1.19E-08	5.99E-10	1.87E-08	6.02E-09	1.03E-08	7.61E-10	1.70E-08	3.42E-09	5.66E-09	1.88E-10	9.27E-09
423	743315.58	4109490.84	3.82E-08	6.97E-08	3.83E-09	1.12E-07	5.93E-09	1.14E-08	5.74E-10	1.79E-08	5.77E-09	9.83E-09	7.29E-10	1.63E-08	3.28E-09	5.42E-09	1.80E-10	8.88E-09
424	743320.28	4109514.59	3.67E-08	6.68E-08	3.67E-09	1.07E-07	5.68E-09	1.09E-08	5.50E-10	1.72E-08	5.53E-09	9.42E-09	6.98E-10	1.56E-08	3.14E-09	5.20E-09	1.72E-10	8.51E-09
425	743324.98	4109538.34	3.52E-08	6.42E-08	3.52E-09	1.03E-07	5.46E-09	1.05E-08	5.29E-10	1.65E-08	5.31E-09	9.05E-09	6.71E-10	1.50E-08	3.02E-09	4.99E-09	1.66E-10	8.18E-09
426	743329.68	4109562.09	3.40E-08	6.20E-08	3.41E-09	9.95E-08	5.28E-09	1.02E-08	5.11E-10	1.60E-08	5.13E-09	8.75E-09	6.49E-10	1.45E-08	2.92E-09	4.83E-09	1.60E-10	7.90E-09
427	743334.38	4109585.84	3.31E-08	6.04E-08	3.32E-09	9.68E-08	5.14E-09	9.90E-09	4.97E-10	1.55E-08	5.00E-09	8.52E-09	6.31E-10	1.41E-08	2.84E-09	4.70E-09	1.56E-10	7.69E-09
428	743339.08	4109609.59	3.25E-08	5.92E-08	3.25E-09	9.50E-08	5.04E-09	9.71E-09	4.88E-10	1.52E-08	4.90E-09	8.36E-09	6.20E-10	1.39E-08	2.79E-09	4.61E-09	1.53E-10	7.55E-09
429	743343.78	4109633.34	3.21E-08	5.85E-08	3.21E-09	9.39E-08	4.98E-09	9.60E-09	4.82E-10	1.51E-08	4.84E-09	8.26E-09	6.12E-10	1.37E-08	2.75E-09	4.55E-09	1.51E-10	7.46E-09
430	743348.48	4109657.1	3.19E-08	5.81E-08	3.19E-09	9.32E-08	4.95E-09	9.53E-09	4.79E-10	1.50E-08	4.81E-09	8.20E-09	6.08E-10	1.36E-08	2.73E-09	4.52E-09	1.50E-10	7.40E-09
431	743353.18	4109680.85	3.17E-08	5.78E-08	3.18E-09	9.27E-08	4.92E-09	9.48E-09	4.76E-10	1.49E-08	4.79E-09	8.16E-09	6.05E-10	1.35E-08	2.72E-09	4.50E-09	1.49E-10	7.37E-09
432	743357.88	4109704.6	3.16E-08	5.75E-08	3.16E-09	9.23E-08	4.90E-09	9.43E-09	4.74E-10	1.48E-08	4.76E-09	8.12E-09	6.02E-10	1.35E-08	2.71E-09	4.48E-09	1.48E-10	7.33E-09
433	743362.58	4109728.35	3.13E-08	5.70E-08	3.13E-09	9.15E-08	4.85E-09	9.35E-09	4.70E-10	1.47E-08	4.72E-09	8.05E-09	5.97E-10	1.34E-08	2.68E-09	4.44E-09	1.47E-10	7.27E-09
434	743367.28	4109752.1	3.09E-08	5.63E-08	3.09E-09	9.02E-08	4.79E-09	9.23E-09	4.63E-10	1.45E-08	4.66E-09	7.94E-09	5.88E-10	1.32E-08	2.65E-09	4.38E-09	1.45E-10	7.17E-09
435	743371.98	4109775.85	3.03E-08	5.52E-08	3.03E-09	8.85E-08	4.70E-09	9.05E-09	4.54E-10	1.42E-08	4.57E-09	7.78E-09	5.77E-10	1.29E-08	2.59E-09	4.29E-09	1.42E-10	7.03E-09
436	743376.68	4109799.6	2.95E-08	5.38E-08	2.95E-09	8.62E-08	4.58E-09	8.82E-09	4.43E-10	1.38E-08	4.45E-09	7.59E-09	5.62E-10	1.26E-08	2.53E-09	4.18E-09	1.39E-10	6.85E-09
437	743381.39	4109823.35	2.86E-08	5.21E-08	2.86E-09	8.36E-08	4.44E-09	8.55E-09	4.29E-10	1.34E-08	4.32E-09	7.36E-09	5.45E-10	1.22E-08	2.45E-09	4.06E-09	1.34E-10	6.64E-09
438	743386.09	4109847.11	2.76E-08	5.04E-08	2.77E-09	8.08E-08	4.29E-09	8.26E-09	4.15E-10	1.30E-08	4.17E-09	7.11E-09	5.27E-10	1.18E-08	2.37E-09	3.92E-09	1.30E-10	6.42E-09
439	743390.79	4109870.86	2.66E-08	4.85E-08	2.66E-09	7.78E-08	4.13E-09	7.96E-09	4.00E-10	1.25E-08	4.02E-09	6.85E-09	5.07E-10	1.14E-08	2.28E-09	3.78E-09	1.25E-10	6.18E-09
440	743395.49	4109894.61	2.56E-08	4.67E-08	2.56E-09	7.49E-08	3.97E-09	7.66E-09	3.85E-10	1.20E-08	3.87E-09	6.59E-09	4.88E-10	1.09E-08	2.20E-09	3.63E-09	1.20E-10	5.95E-09
441	743400.19	4109918.36	2.47E-08	4.50E-08	2.47E-09	7.21E-08	3.83E-09	7.37E-09	3.70E-10	1.16E-08	3.72E-09	6.34E-09	4.70E-10	1.05E-08	2.11E-09	3.50E-09	1.16E-10	5.73E-09

442	743404.89	4109942.11	2.38E-08	4.33E-08	2.38E-09	6.95E-08	3.69E-09	7.11E-09	3.57E-10	1.12E-08	3.59E-09	6.12E-09	4.53E-10	1.02E-08	2.04E-09	3.37E-09	1.12E-10	5.52E-09
443	743409.59	4109965.86	2.30E-08	4.19E-08	2.30E-09	6.72E-08	3.56E-09	6.87E-09	3.45E-10	1.08E-08	3.47E-09	5.91E-09	4.38E-10	9.81E-09	1.97E-09	3.26E-09	1.08E-10	5.34E-09
444	743414.29	4109989.61	2.23E-08	4.06E-08	2.23E-09	6.51E-08	3.45E-09	6.65E-09	3.34E-10	1.04E-08	3.36E-09	5.72E-09	4.24E-10	9.50E-09	1.91E-09	3.16E-09	1.05E-10	5.17E-09
445	743418.99	4110013.36	2.16E-08	3.94E-08	2.16E-09	6.32E-08	3.35E-09	6.46E-09	3.25E-10	1.01E-08	3.26E-09	5.56E-09	4.12E-10	9.23E-09	1.85E-09	3.07E-09	1.02E-10	5.02E-09
446	743423.69	4110037.12	2.11E-08	3.84E-08	2.11E-09	6.15E-08	3.27E-09	6.29E-09	3.16E-10	9.87E-09	3.18E-09	5.41E-09	4.01E-10	8.99E-09	1.80E-09	2.99E-09	9.89E-11	4.89E-09
447	743428.39	4110060.87	2.05E-08	3.74E-08	2.06E-09	6.00E-08	3.19E-09	6.14E-09	3.08E-10	9.63E-09	3.10E-09	5.28E-09	3.91E-10	8.77E-09	1.76E-09	2.91E-09	9.65E-11	4.77E-09
448	743433.09	4110084.62	2.01E-08	3.66E-08	2.01E-09	5.87E-08	3.11E-09	6.00E-09	3.01E-10	9.41E-09	3.03E-09	5.16E-09	3.83E-10	8.57E-09	1.72E-09	2.85E-09	9.44E-11	4.66E-09
449	743437.79	4110108.37	1.96E-08	3.58E-08	1.97E-09	5.74E-08	3.05E-09	5.87E-09	2.95E-10	9.21E-09	2.96E-09	5.05E-09	3.74E-10	8.39E-09	1.68E-09	2.79E-09	9.23E-11	4.56E-09
450	743442.5	4110132.12	1.93E-08	3.51E-08	1.93E-09	5.63E-08	2.99E-09	5.75E-09	2.89E-10	9.03E-09	2.90E-09	4.95E-09	3.67E-10	8.22E-09	1.65E-09	2.73E-09	9.05E-11	4.47E-09
451	743447.2	4110155.87	1.89E-08	3.44E-08	1.89E-09	5.52E-08	2.93E-09	5.65E-09	2.84E-10	8.86E-09	2.85E-09	4.86E-09	3.60E-10	8.07E-09	1.62E-09	2.68E-09	8.88E-11	4.39E-09
452	743451.9	4110179.62	1.86E-08	3.38E-08	1.86E-09	5.43E-08	2.88E-09	5.55E-09	2.79E-10	8.71E-09	2.80E-09	4.77E-09	3.54E-10	7.93E-09	1.59E-09	2.63E-09	8.73E-11	4.31E-09
453	743456.6	4110203.37	1.83E-08	3.33E-08	1.83E-09	5.34E-08	2.83E-09	5.46E-09	2.74E-10	8.57E-09	2.76E-09	4.70E-09	3.48E-10	7.80E-09	1.57E-09	2.59E-09	8.59E-11	4.24E-09
454	743461.3	4110227.13	1.80E-08	3.28E-08	1.80E-09	5.26E-08	2.79E-09	5.38E-09	2.70E-10	8.45E-09	2.72E-09	4.63E-09	3.43E-10	7.69E-09	1.54E-09	2.55E-09	8.47E-11	4.18E-09
455	743452.57	4110271.02	1.80E-08	3.27E-08	1.80E-09	5.25E-08	2.79E-09	5.37E-09	2.70E-10	8.42E-09	2.71E-09	4.62E-09	3.42E-10	7.67E-09	1.54E-09	2.55E-09	8.44E-11	4.17E-09
456	743439.13	4110291.16	1.82E-08	3.31E-08	1.82E-09	5.31E-08	2.82E-09	5.43E-09	2.73E-10	8.52E-09	2.74E-09	4.67E-09	3.46E-10	7.76E-09	1.56E-09	2.58E-09	8.54E-11	4.22E-09
457	743425.7	4110311.31	1.84E-08	3.35E-08	1.84E-09	5.38E-08	2.85E-09	5.50E-09	2.76E-10	8.62E-09	2.77E-09	4.73E-09	3.51E-10	7.85E-09	1.58E-09	2.61E-09	8.65E-11	4.27E-09
458	743412.27	4110331.45	1.86E-08	3.39E-08	1.86E-09	5.44E-08	2.89E-09	5.56E-09	2.79E-10	8.73E-09	2.81E-09	4.79E-09	3.55E-10	7.95E-09	1.60E-09	2.64E-09	8.75E-11	4.32E-09
459	743398.84	4110351.6	1.88E-08	3.43E-08	1.88E-09	5.50E-08	2.92E-09	5.63E-09	2.83E-10	8.83E-09	2.84E-09	4.84E-09	3.59E-10	8.04E-09	1.61E-09	2.67E-09	8.85E-11	4.37E-09
460	743385.4	4110371.74	1.90E-08	3.47E-08	1.90E-09	5.56E-08	2.95E-09	5.68E-09	2.85E-10	8.92E-09	2.87E-09	4.89E-09	3.62E-10	8.12E-09	1.63E-09	2.70E-09	8.94E-11	4.42E-09
461	743371.97	4110391.89	1.92E-08	3.49E-08	1.92E-09	5.60E-08	2.97E-09	5.72E-09	2.88E-10	8.98E-09	2.89E-09	4.93E-09	3.65E-10	8.18E-09	1.64E-09	2.72E-09	9.00E-11	4.45E-09
462	743358.54	4110412.03	1.92E-08	3.51E-08	1.93E-09	5.62E-08	2.98E-09	5.75E-09	2.89E-10	9.02E-09	2.90E-09	4.95E-09	3.67E-10	8.22E-09	1.65E-09	2.73E-09	9.04E-11	4.47E-09
463	743345.11	4110432.17	1.93E-08	3.51E-08	1.93E-09	5.63E-08	2.99E-09	5.75E-09	2.89E-10	9.03E-09	2.90E-09	4.95E-09	3.67E-10	8.22E-09	1.65E-09	2.73E-09	9.05E-11	4.47E-09
464	743331.67	4110452.32	1.92E-08	3.50E-08	1.92E-09	5.61E-08	2.98E-09	5.73E-09	2.88E-10	9.00E-09	2.89E-09	4.93E-09	3.66E-10	8.19E-09	1.64E-09	2.72E-09	9.02E-11	4.46E-09
465	743318.24	4110472.46	1.91E-08	3.47E-08	1.91E-09	5.57E-08	2.96E-09	5.69E-09	2.86E-10	8.93E-09	2.87E-09	4.90E-09	3.63E-10	8.14E-09	1.63E-09	2.70E-09	8.96E-11	4.42E-09
466	743304.81	4110492.61	1.89E-08	3.43E-08	1.89E-09	5.51E-08	2.92E-09	5.63E-09	2.83E-10	8.84E-09	2.84E-09	4.85E-09	3.59E-10	8.05E-09	1.62E-09	2.67E-09	8.86E-11	4.38E-09
467	743291.38	4110512.75	1.86E-08	3.39E-08	1.86E-09	5.43E-08	2.88E-09	5.55E-09	2.79E-10	8.71E-09	2.80E-09	4.78E-09	3.54E-10	7.93E-09	1.59E-09	2.64E-09	8.73E-11	4.32E-09
468	743277.95	4110532.9	1.83E-08	3.33E-08	1.83E-09	5.34E-08	2.83E-09	5.46E-09	2.74E-10	8.57E-09	2.76E-09	4.70E-09	3.48E-10	7.80E-09	1.57E-09	2.59E-09	8.59E-11	4.24E-09
469	743264.51	4110553.04	1.79E-08	3.26E-08	1.79E-09	5.23E-08	2.78E-09	5.35E-09	2.69E-10	8.40E-09	2.70E-09	4.60E-09	3.41E-10	7.65E-09	1.53E-09	2.54E-09	8.42E-11	4.16E-09
470	743251.08	4110573.18	1.75E-08	3.19E-08	1.75E-09	5.12E-08	2.72E-09	5.24E-09	2.63E-10	8.22E-09	2.64E-09	4.50E-09	3.34E-10	7.48E-09	1.50E-09	2.48E-09	8.24E-11	4.07E-09
471	743237.65	4110593.33	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.66E-09	5.12E-09	2.57E-10	8.03E-09	2.58E-09	4.40E-09	3.26E-10	7.31E-09	1.47E-09	2.43E-09	8.05E-11	3.98E-09
472	743224.22	4110613.47	1.67E-08	3.05E-08	1.67E-09	4.89E-08	2.59E-09	5.00E-09	2.51E-10	7.84E-09	2.52E-09	4.30E-09	3.19E-10	7.14E-09	1.43E-09	2.37E-09	7.86E-11	3.88E-09
473	743210.78	4110633.62	1.64E-08	2.98E-08	1.64E-09	4.78E-08	2.54E-09	4.89E-09	2.45E-10	7.67E-09	2.47E-09	4.20E-09	3.12E-10	6.98E-09	1.40E-09	2.32E-09	7.68E-11	3.80E-09
474	743197.35	4110653.76	1.60E-08	2.92E-08	1.60E-09	4.68E-08	2.48E-09	4.78E-09	2.40E-10	7.51E-09	2.41E-09	4.12E-09	3.05E-10	6.84E-09	1.37E-09	2.27E-09	7.52E-11	3.72E-09
475	743183.92	4110673.9	1.57E-08	2.86E-08	1.57E-09	4.59E-08	2.44E-09	4.70E-09	2.36E-10	7.37E-09	2.37E-09	4.04E-09	3.00E-10	6.71E-09	1.35E-09	2.23E-09	7.39E-11	3.65E-09
476	743170.49	4110694.05	1.55E-08	2.82E-08	1.55E-09	4.53E-08	2.40E-09	4.63E-09	2.32E-10	7.26E-09	2.34E-09	3.98E-09	2.95E-10	6.61E-09	1.33E-09	2.20E-09	7.28E-11	3.60E-09
477	743157.05	4110714.19	1.53E-08	2.79E-08	1.53E-09	4.48E-08	2.38E-09	4.58E-09	2.30E-10	7.18E-09	2.31E-09	3.94E-09	2.92E-10	6.54E-09	1.31E-09	2.17E-09	7.20E-11	3.56E-09
478	743143.62	4110734.34	1.52E-08	2.77E-08	1.52E-09	4.44E-08	2.36E-09	4.54E-09	2.28E-10	7.13E-09	2.29E-09	3.91E-09	2.90E-10	6.49E-09	1.30E-09	2.16E-09	7.15E-11	3.53E-09
479	743130.19	4110754.48	1.51E-08	2.76E-08	1.52E-09	4.43E-08	2.35E-09	4.53E-09	2.27E-10	7.10E-09	2.28E-09	3.89E-09	2.89E-10	6.47E-09	1.30E-09	2.15E-09	7.12E-11	3.52E-09
480	743116.76	4110774.63	1.51E-08	2.76E-08	1.51E-09	4.42E-08	2.35E-09	4.52E-09	2.27E-10	7.09E-09	2.28E-09	3.89E-09	2.88E-10	6.46E-09	1.30E-09	2.14E-09	7.11E-11	3.51E-09
481	743103.32	4110794.77	1.51E-08	2.75E-08	1.51E-09	4.42E-08	2.34E-09	4.52E-09	2.27E-10	7.09E-09	2.28E-09	3.89E-09	2.88E-10	6.45E-09	1.30E-09	2.14E-09	7.10E-11	3.51E-09
482	743089.89	4110814.91	1.51E-08	2.75E-08	1.51E-09	4.42E-08	2.34E-09	4.51E-09	2.27E-10	7.09E-09	2.28E-09	3.88E-09	2.88E-10	6.45E-09	1.29E-09	2.14E-09	7.10E-11	3.51E-09
483	743076.46	4110835.06	1.51E-08	2.75E-08	1.51E-09	4.41E-08	2.34E-09	4.51E-09	2.26E-10	7.08E-09	2.28E-09	3.88E-09	2.88E-10	6.44E-09	1.29E-09	2.14E-09	7.09E-11	3.50E-09
484	743063.03	4110855.2	1.50E-08	2.74E-08	1.50E-09	4.39E-08	2.33E-09	4.49E-09	2.26E-10	7.05E-09	2.27E-09	3.87E-09	2.87E-10	6.42E-09	1.29E-09	2.13E-09	7.07E-11	3.49E-09
485	743049.59	4110875.35	1.49E-08	2.72E-08	1.50E-09	4.37E-08	2.32E-09	4.46E-09	2.24E-10	7.00E-09	2.25E-09	3.84E-09	2.85E-10	6.38E-09	1.28E-09	2.12E-09	7.02E-11	3.47E-09
486	743036.16	4110895.49	1.48E-08	2.70E-08	1.48E-09	4.32E-08	2.29E-09	4.42E-09	2.22E-10	6.94E-09	2.23E-09	3.80E-09	2.82E-10	6.32E-09	1.27E-09	2.10E-09	6.95E-11	3.44E-09
487	743022.73	4110915.64	1.46E-08	2.66E-08	1.46E-09	4.27E-08	2.26E-09	4.36E-09	2.19E-10	6.84E-09	2.20E-09	3.75E-09	2.78E-10	6.23E-09	1.25E-09	2.07E-09	6.86E-11	3.39E-09
488	743009.3	4110935.78	1.44E-08	2.62E-08	1.44E-09	4.20E-08	2.23E-09	4.29E-09	2.15E-10	6.73E-09	2.16E-09	3.69E-09	2.74E-10	6.13E-09	1.23E-09	2.04E-09	6.75E-11	3.33E-09
489	742995.86	4110955.92	1.41E-08	2.56E-08	1.41E-09	4.11E-08	2.18E-09	4.20E-09	2.11E-10	6.60E-09	2.12E-09	3.62E-09	2.68E-10	6.01E-09	1.21E-09	1.99E-09	6.61E-11	3.27E-09
490	742982.43	4110976.07	1.37E-08	2.50E-08	1.38E-09	4.02E-08	2.13E-09	4.11E-09	2.06E-10	6.44E-09	2.07E-09	3.53E-09	2.62E-10	5.87E-09	1.18E-09	1.95E-09	6.46E-11	3.19E-09
491	742969	4110996.21	1.34E-08	2.44E-08	1.34E-09	3.91E-08	2.08E-09	4.00E-09	2.01E-10	6.28E-09	2.02E-09	3.44E-09	2.55E-10	5.72E-09	1.15E-09	1.90E-09	6.29E-11	3.11E-09
492	742955.57	4111016.36	1.30E-08	2.37E-08	1.30E-09	3.80E-08	2.02E-09	3.89E-09	1.95E-10	6.10E-09	1.96E-09	3.35E-09	2.48E-10	5.56E-09	1.11E-09	1.85E-09	6.12E-11	3.02E-09
493	742942.13	4111036.5	1.26E-08	2.30E-08	1.26E-09	3.68E-08	1.96E-09	3.77E-09	1.89E-10	5.91E-09	1.90E-09	3.24E-09	2.40E-10	5.38E-09	1.08E-09	1.79E-09	5.93E-11	2.93E-09
494	742928.7	4111056.64	1.22E-08	2.22E-08	1.22E-09	3.56E-08	1.89E-09	3.64E-09	1.83E-10	5.71E-09	1.84E-09	3.13E-09	2.32E-10	5.20E-09	1.04E-09	1.73E-09	5.72E-11	2.83E-09
495	743273.27	4109277.08	4.75E-08	8.65E-08	4.75E-09	1.39E-07	7.36E-09	1.42E-08	7.13E-10	2.23E-08	7.16E-09	1.22E-08	9.05E-10	2.03E-08	4.07E-09	6.73E-09	2.23E-10	1.10E-08
496	743259.72	4109256.71	4.78E-08	8.71E-08	4.78E-09	1.40E-07	7.41E-09	1.43E-08	7.18E-10	2.24E-08	7.21E-09	1.23E-08	9.11E-10	2.04E-08	4.10E-09	6.78E-09	2.25E-10	1.11E-08
497	743246.17	4109236.35	4.80E-08	8.74E-08	4.80E-09	1.40E-07	7.44E-09	1.43E-08	7.20E-10	2.25E-08	7.23E-09	1.23E-08	9.14E-10	2.05E-08	4.11E-09	6.80E-09	2.25E-10	1.11E-08
498	743232.62	4109215.99	4.79E-08	8.73E-08	4.79E-09	1.40E-07	7.43E-09	1.43E-08	7.19E-10	2.25E-08	7.23E-09	1.23E-08	9.13E-10	2.05E-08	4.11E-09	6.79E-09	2.25E-10	1.11E-08
499	743219.07	4109195.63	4.77E-08	8.69E-08	4.77E-09	1.39E-07	7.39E-09	1.42E-08	7.15E-10	2.23E-08	7.19E-09	1.23E-08	9.08E-10	2.04E-08	4.08E-09	6.76E-09	2.24E-10	1.11E-08
500	743205.52	4109175.27	4.72E-08	8.60E-08	4.72E-09	1.38E-07	7.32E-09	1.41E-08	7.09E-10	2.21E-08	7.12E-09	1.21E-08	9.00E-10	2.02E-08	4.05E-09	6.69E-09	2.22E-10	1.10E-08
501	743191.98	4109154.91	4.66E-08	8.49E-08	4.66E-09	1.36E-07	7.22E-09	1.39E-08	6.99E-10	2.18E-08	7.03E-09	1.20E-08	8.88E-10	1.99E-08	3.99E-09	6.61E-09	2.19E-10	1.08E-08
502	743178.43	4109134.55	4.58E-08	8.35E-08	4.58E-09	1.34E-07	7.10E-09	1.37E-08	6.88E-10	2.15E-08	6.91E-09	1.18E-08	8.73E-10	1.96E-08	3.93E-09	6.50E-09	2.15E-10	1.06E-08
503	743164.88	4109114.19	4.49E-08	8.19E-08	4.50E-09	1.31E-07	6.97E-09	1.34E-08	6.74E-10	2.11E-08	6.78E-09	1.16E-08	8.56E-10	1.92E-08	3.85E-09	6.37E-09	2.11E-10	1.04E-08
504	743444.51	4109190.19	3.78E-08	6.89E-08	3.78E-09	1.10E-07	5.86E-09	1.13E-08	5.67E-10	1.77E-08	5.70E-09	9.71E-09	7.20E-10	1.61E-08	3.24E-09	5.36E-09	1.78E-10	8.77E-09
505	743449.24	4109214.09	3.77E-08	6.87E-08	3.77E-09	1.10E-07	5.85E-09	1.13E-08	5.66E-10	1.77E-08	5.68E-09	9.69E-09	7.18E-10	1.61E-08	3.23E-09	5.34E-09	1.77E-10	8.75E-09
506	743453.97	4109238	3.74E-08	6.82E-08	3.74E-09	1.09E-07	5.80E-09	1.12E-08	5.62E-10	1.75E-08	5.64E-09	9.62E-09	7.13E-10	1.60E-08	3.21E-09	5.31E-09	1.76E-10	8.69E-09
507	743458.7	4109261.91	3.70E-08	6.73E-08	3.70E-09	1.08E-07	5.73E-09	1.10E-08	5.55E-10	1.73E-08	5.57E-09	9.50E-09	7.04E-10	1.58E-08	3.17E-09	5.24E-09	1.74E-10	8.58E-09
508	743463.43	4109285.81	3.63E-08	6.62E-08	3.63E-09	1.06E-07	5.63E-09	1.08E-08	5.45E-10	1.70E-08	5.48E-09	9.33E-09	6.92E-10	1.55E-08	3.11E-09	5.15E-09	1.71E-10	8.43E-09
509	743468.16	4109309.72	3.55E-08	6.48E-08	3.56E-09	1.04E-07	5.51E-09	1.06E-08	5.34E-10	1.67E-08	5.36E-09	9.14E-09	6.77E-10	1.52E-08	3.05E-09	5.04E-09	1.67E-10	8.25E-09
510	743472.9	4109333.63	3.46E-08	6.31E-08	3.46E-09	1.01E-07	5.37E-09	1.03E-08	5.19E-10	1.62E-08	5.22E-09	8.90E-09	6.59E-10	1.48E-08	2.97E-09	4.91E-09	1.63E-10	8.03E-09
511	743477.63	4109357.53	3.35E-08	6.10E-08	3.35E-09	9.78E-08	5.19E-09	9.99E-09	5.02E-10	1.57E-08	5.04E-09	8.60E-09	6.37E-10	1.43E-08	2.87E-09	4.74E-09	1.57E-10	7.77E-09
512	743482.36	4109381.44	3.22E-08	5.87E-08	3.23E-09	9.42E-08	5.00E-09	9.63E-09	4.84E-10	1.51E-08	4.86E-09	8.29E-09	6.14E-10	1.38E-08	2.76E-09	4.57E-09	1.51E-10	7.48E-09
513	743487.09	4109405.35	3.10E-08	5.65E-08	3.10E-09	9.06E-08	4.81E-09	9.26E-09	4.65E-10	1.45E-08	4.67E-09	7.97E-09	5.90E-10	1.32E-08	2.66E-09	4.39E-09	1.46E-10	7.19E-09
514	743491.82	4109429.25	2.98E-08	5.42E-08	2.98E-09	8.70E-08	4.62E-09	8.89E-09	4.47E-10	1.40E-08	4.49E-09	7.65E-09	5.67E-10	1.27E-08	2.55E-09	4.22E-09	1.40E-10	6.91E-09
515	743496.55	4109453.16	2.86E-08	5.22E-08	2.86E-09	8.37E-08	4.44E-09	8.55E-09	4.30E-10	1.34E-08	4.32E-09	7.36E-09	5.46E-10	1.22E-08	2.45E-09	4.06E-09	1.35E-10	6.65E-09
516	743501.28	4109477.07	2.76E-08	5.03E-08	2.76E-09	8.07E-08	4.28E-09	8.25E-09	4.15E-10	1.29E-08	4.16E-09	7.10E-09	5.26E-10	1.18E-08	2.37E-09	3.92E-09	1.30E-10	6.41E-09
517	743506.02	4109500.97	2.68E-08	4.88E-08	2.68E-09	7.82E-08	4.15E-09	7.99E-09	4.02E-10	1.25E-08	4.04E-09	6.88E-09	5.10E-10	1.14E-08	2.29E-09	3.79E-09	1.26E-10	6.21E-09
518	743510.75	4109524.88	2.61E-08	4.75E-08	2.61E-09	7.63E-08	4.05E-09	7.80E-09	3.92E-10	1.22E-08	3.93E-09	6.71E-09	4.97E-10	1.11E-08	2.24E-09	3.70E-09	1.23E-10	6.06E-09
519	743515.48	4109548.79	2.56E-08	4.67E-08	2.56E-09	7.49E-08	3.98E-09	7.66E-09	3.85E-10	1.20E-08	3.87E-09	6.59E-09	4.88E-10	1.09E-08	2.20E-09	3.63E-09	1.20E-10	5.95E-09
520	743520.21	4109572.69	2.54E-08	4.62E-08	2.54E-09	7.41E-08	3.93E-09	7.58E-09	3.81E-10	1.19E-08	3.82E-09	6.52E-09	4.83E-10	1.08E-08	2.17E-09	3.60E-09	1.19E-10	5.89E-09
521	743524.94	4109596.6	2.52E-08	4.60E-08	2.53E-09	7.38E-08	3.91E-09	7.54E-09	3.79E-10	1.18E-08	3.81E-09	6.49E-09	4.81E-10	1.08E-08	2.16E-09	3.58E-09	1.19E-10	5.86E-09
522	743529.67	4109620.51	2.52E-08	4.59E-08	2.52E-09	7.37E-08	3.91E-09	7.53E-09	3.78E-10	1.18E-08	3.80E-09	6.48E-09	4.80E-10	1.08E-08	2.16E-09	3.57E-09	1.18E-10	5.85E-09
523	743534.4	4109644.41	2.52E-08	4.59E-08	2.52E-09	7.37E-08	3.91E-09	7.53E-09	3.78E-10	1.18E-08	3.80E-09	6.48E-09	4.80E-10	1.08E-08	2.16E-09	3.57E-09	1.18E-10	5.85E-09
524	743539.14	4109668.32	2.52E-08	4.59E-08	2.52E-09	7.36E-08	3.90E-09	7.52E-09	3.78E-10	1.18E-08	3.80E-09	6.47E-09	4.80E-10	1.07E-08	2.16E-09	3.57E-09	1.18E-10	5.85E-09
525	743543.87	4109692.23	2.51E-08	4.57E-08	2.51E-09	7.33E-08	3.89E-09	7.49E-09	3.76E-10	1.18E-08	3.78E-09	6.44E-09	4.78E-10	1.07E-08	2.15E-09	3.55E-09	1.18E-10	5.82E-09
526	743548.6	4109716.13	2.48E-08	4.52E-08	2.48E-09	7.26E-08	3.85E-09	7.42E-09	3.73E-10	1.16E-08	3.74E-09	6.38E-09	4.73E-10	1.06E-08	2.13E-09	3.52E-09	1.17E-10	5.76E-09
527	743553.33	4109740.04	2.44E-08	4.45E-08	2.45E-09	7.14E-08	3.79E-09	7.30E-09	3.67E-10	1.15E-08	3.69E-09	6.28E-09	4.66E-10	1.04E-08	2.09E-09	3.47E-09	1.15E-10	5.68E-09
528	743558.06	4109763.95	2.39E-08	4.36E-08	2.40E-09	7.00E-08	3.71E-09	7.15E-09	3.59E-10	1.12E-08	3.61E-09	6.16E-09	4.56E-10	1.02E-08	2.05E-09	3.39E-09	1.13E-10	5.56E-09
529	743562.79	4109787.85	2.33E-08	4.25E-08	2.34E-09	6.82E-08	3.62E-09	6.97E-09	3.50E-10	1.09E-08	3.52E-09	6.00E-09	4.45E-10	9.96E-09	2.00E-09	3.31E-09	1.10E-10	5.42E-09
530	743567.53	4109811.76	2.27E-08	4.13E-08	2.27E-09	6.62E-08	3.51E-09	6.77E-09	3.40E-10	1.06E-08	3.42E-09	5.82E-09	4.32E-10	9.67E-09	1.94E-09	3.21E-09	1.06E-10	5.26E-09

531	743572.26	4109835.67	2.19E-08	3.99E-08	2.19E-09	6.41E-08	3.40E-09	6.55E-09	3.29E-10	1.03E-08	3.31E-09	5.64E-09	4.18E-10	9.36E-09	1.88E-09	3.11E-09	1.03E-10	5.09E-09
532	743576.99	4109859.57	2.12E-08	3.86E-08	2.12E-09	6.19E-08	3.29E-09	6.33E-09	3.18E-10	9.93E-09	3.19E-09	5.45E-09	4.04E-10	9.04E-09	1.82E-09	3.00E-09	9.96E-11	4.92E-09
533	743581.72	4109883.48	2.05E-08	3.73E-08	2.05E-09	5.98E-08	3.17E-09	6.11E-09	3.07E-10	9.59E-09	3.09E-09	5.26E-09	3.90E-10	8.73E-09	1.75E-09	2.90E-09	9.61E-11	4.75E-09
534	743586.45	4109907.39	1.98E-08	3.60E-08	1.98E-09	5.78E-08	3.07E-09	5.91E-09	2.97E-10	9.27E-09	2.98E-09	5.08E-09	3.77E-10	8.44E-09	1.69E-09	2.80E-09	9.29E-11	4.59E-09
535	743591.18	4109931.29	1.91E-08	3.48E-08	1.91E-09	5.59E-08	2.97E-09	5.71E-09	2.87E-10	8.96E-09	2.88E-09	4.92E-09	3.64E-10	8.16E-09	1.64E-09	2.71E-09	8.99E-11	4.44E-09
536	743595.91	4109955.2	1.85E-08	3.38E-08	1.85E-09	5.42E-08	2.87E-09	5.54E-09	2.78E-10	8.69E-09	2.79E-09	4.76E-09	3.53E-10	7.91E-09	1.59E-09	2.63E-09	8.71E-11	4.30E-09
537	743600.65	4109979.11	1.80E-08	3.28E-08	1.80E-09	5.26E-08	2.79E-09	5.38E-09	2.70E-10	8.44E-09	2.71E-09	4.63E-09	3.43E-10	7.68E-09	1.54E-09	2.55E-09	8.46E-11	4.18E-09
538	743605.38	4110003.02	1.75E-08	3.19E-08	1.75E-09	5.12E-08	2.72E-09	5.23E-09	2.63E-10	8.22E-09	2.64E-09	4.50E-09	3.34E-10	7.48E-09	1.50E-09	2.48E-09	8.23E-11	4.07E-09
539	743610.11	4110026.92	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.65E-09	5.11E-09	2.57E-10	8.02E-09	2.58E-09	4.40E-09	3.26E-10	7.30E-09	1.47E-09	2.42E-09	8.03E-11	3.97E-09
540	743614.84	4110050.83	1.67E-08	3.05E-08	1.67E-09	4.89E-08	2.59E-09	4.99E-09	2.51E-10	7.84E-09	2.52E-09	4.30E-09	3.19E-10	7.14E-09	1.43E-09	2.37E-09	7.86E-11	3.88E-09
541	743619.57	4110074.74	1.64E-08	2.98E-08	1.64E-09	4.79E-08	2.54E-09	4.89E-09	2.46E-10	7.68E-09	2.47E-09	4.21E-09	3.12E-10	6.99E-09	1.40E-09	2.32E-09	7.70E-11	3.80E-09
542	743624.3	4110098.64	1.61E-08	2.93E-08	1.61E-09	4.70E-08	2.49E-09	4.80E-09	2.41E-10	7.53E-09	2.42E-09	4.13E-09	3.06E-10	6.86E-09	1.38E-09	2.28E-09	7.55E-11	3.73E-09
543	743629.04	4110122.55	1.58E-08	2.88E-08	1.58E-09	4.61E-08	2.45E-09	4.72E-09	2.37E-10	7.40E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.66E-09
544	743633.77	4110146.46	1.55E-08	2.83E-08	1.55E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.63E-09	1.33E-09	2.20E-09	7.30E-11	3.60E-09
545	743638.5	4110170.36	1.53E-08	2.78E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.29E-10	7.16E-09	2.30E-09	3.93E-09	2.91E-10	6.52E-09	1.31E-09	2.17E-09	7.18E-11	3.55E-09
546	743643.23	4110194.27	1.51E-08	2.74E-08	1.51E-09	4.40E-08	2.33E-09	4.50E-09	2.26E-10	7.06E-09	2.27E-09	3.87E-09	2.87E-10	6.43E-09	1.29E-09	2.13E-09	7.08E-11	3.50E-09
547	743647.96	4110218.18	1.48E-08	2.70E-08	1.49E-09	4.34E-08	2.30E-09	4.43E-09	2.23E-10	6.96E-09	2.24E-09	3.82E-09	2.83E-10	6.34E-09	1.27E-09	2.10E-09	6.98E-11	3.45E-09
548	743652.69	4110242.08	1.46E-08	2.67E-08	1.47E-09	4.28E-08	2.27E-09	4.38E-09	2.20E-10	6.87E-09	2.21E-09	3.77E-09	2.79E-10	6.25E-09	1.26E-09	2.08E-09	6.88E-11	3.40E-09
549	743657.42	4110265.99	1.45E-08	2.64E-08	1.45E-09	4.23E-08	2.24E-09	4.32E-09	2.17E-10	6.78E-09	2.18E-09	3.72E-09	2.76E-10	6.18E-09	1.24E-09	2.05E-09	6.80E-11	3.36E-09
550	743648.64	4110310.17	1.44E-08	2.63E-08	1.44E-09	4.22E-08	2.24E-09	4.31E-09	2.17E-10	6.77E-09	2.18E-09	3.71E-09	2.75E-10	6.16E-09	1.24E-09	2.05E-09	6.79E-11	3.35E-09
551	743635.12	4110330.45	1.46E-08	2.66E-08	1.46E-09	4.26E-08	2.26E-09	4.36E-09	2.19E-10	6.84E-09	2.20E-09	3.75E-09	2.78E-10	6.23E-09	1.25E-09	2.07E-09	6.86E-11	3.39E-09
552	743621.59	4110350.72	1.48E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.41E-09	2.21E-10	6.92E-09	2.23E-09	3.79E-09	2.81E-10	6.30E-09	1.26E-09	2.09E-09	6.93E-11	3.43E-09
553	743608.07	4110371	1.49E-08	2.72E-08	1.50E-09	4.37E-08	2.32E-09	4.46E-09	2.24E-10	7.01E-09	2.25E-09	3.84E-09	2.85E-10	6.38E-09	1.28E-09	2.12E-09	7.02E-11	3.47E-09
554	743594.55	4110391.28	1.51E-08	2.76E-08	1.51E-09	4.42E-08	2.35E-09	4.52E-09	2.27E-10	7.09E-09	2.28E-09	3.89E-09	2.88E-10	6.46E-09	1.30E-09	2.15E-09	7.11E-11	3.51E-09
555	743581.03	4110411.55	1.53E-08	2.79E-08	1.53E-09	4.48E-08	2.38E-09	4.58E-09	2.30E-10	7.18E-09	2.31E-09	3.94E-09	2.92E-10	6.54E-09	1.31E-09	2.17E-09	7.20E-11	3.56E-09
556	743567.51	4110431.83	1.55E-08	2.82E-08	1.55E-09	4.53E-08	2.40E-09	4.63E-09	2.32E-10	7.26E-09	2.34E-09	3.98E-09	2.95E-10	6.61E-09	1.33E-09	2.20E-09	7.28E-11	3.60E-09
557	743553.99	4110452.1	1.56E-08	2.85E-08	1.56E-09	4.57E-08	2.42E-09	4.67E-09	2.35E-10	7.33E-09	2.36E-09	4.02E-09	2.98E-10	6.67E-09	1.34E-09	2.22E-09	7.34E-11	3.63E-09
558	743540.47	4110472.38	1.57E-08	2.86E-08	1.57E-09	4.59E-08	2.44E-09	4.70E-09	2.36E-10	7.37E-09	2.37E-09	4.04E-09	3.00E-10	6.71E-09	1.35E-09	2.23E-09	7.39E-11	3.65E-09
559	743526.95	4110492.66	1.58E-08	2.87E-08	1.58E-09	4.61E-08	2.45E-09	4.71E-09	2.37E-10	7.39E-09	2.38E-09	4.05E-09	3.00E-10	6.73E-09	1.35E-09	2.24E-09	7.41E-11	3.66E-09
560	743513.43	4110512.93	1.58E-08	2.87E-08	1.58E-09	4.60E-08	2.44E-09	4.71E-09	2.36E-10	7.39E-09	2.38E-09	4.05E-09	3.00E-10	6.73E-09	1.35E-09	2.23E-09	7.40E-11	3.66E-09
561	743499.91	4110533.21	1.57E-08	2.86E-08	1.57E-09	4.58E-08	2.43E-09	4.68E-09	2.35E-10	7.35E-09	2.36E-09	4.03E-09	2.99E-10	6.69E-09	1.34E-09	2.22E-09	7.37E-11	3.64E-09
562	743486.39	4110553.49	1.55E-08	2.83E-08	1.55E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.63E-09	1.33E-09	2.20E-09	7.30E-11	3.61E-09
563	743472.87	4110573.76	1.53E-08	2.80E-08	1.53E-09	4.48E-08	2.38E-09	4.58E-09	2.30E-10	7.19E-09	2.31E-09	3.94E-09	2.92E-10	6.55E-09	1.31E-09	2.18E-09	7.21E-11	3.56E-09
564	743459.35	4110594.04	1.51E-08	2.75E-08	1.51E-09	4.41E-08	2.34E-09	4.51E-09	2.27E-10	7.08E-09	2.28E-09	3.88E-09	2.88E-10	6.44E-09	1.29E-09	2.14E-09	7.09E-11	3.50E-09
565	743445.83	4110614.31	1.48E-08	2.70E-08	1.48E-09	4.33E-08	2.30E-09	4.42E-09	2.22E-10	6.94E-09	2.23E-09	3.81E-09	2.82E-10	6.32E-09	1.27E-09	2.10E-09	6.96E-11	3.44E-09
566	743432.31	4110634.59	1.45E-08	2.64E-08	1.45E-09	4.24E-08	2.25E-09	4.33E-09	2.18E-10	6.80E-09	2.19E-09	3.73E-09	2.76E-10	6.19E-09	1.24E-09	2.06E-09	6.81E-11	3.37E-09
567	743418.79	4110654.87	1.42E-08	2.58E-08	1.42E-09	4.14E-08	2.20E-09	4.23E-09	2.13E-10	6.64E-09	2.14E-09	3.64E-09	2.70E-10	6.05E-09	1.21E-09	2.01E-09	6.66E-11	3.29E-09
568	743405.27	4110675.14	1.38E-08	2.52E-08	1.39E-09	4.05E-08	2.15E-09	4.14E-09	2.08E-10	6.49E-09	2.09E-09	3.56E-09	2.64E-10	5.91E-09	1.19E-09	1.96E-09	6.51E-11	3.21E-09
569	743391.75	4110695.42	1.35E-08	2.46E-08	1.35E-09	3.95E-08	2.10E-09	4.04E-09	2.03E-10	6.34E-09	2.04E-09	3.48E-09	2.58E-10	5.77E-09	1.16E-09	1.92E-09	6.35E-11	3.14E-09
570	743378.23	4110715.69	1.32E-08	2.41E-08	1.32E-09	3.86E-08	2.05E-09	3.95E-09	1.98E-10	6.20E-09	1.99E-09	3.40E-09	2.52E-10	5.64E-09	1.13E-09	1.87E-09	6.21E-11	3.07E-09
571	743364.71	4110735.97	1.30E-08	2.36E-08	1.30E-09	3.78E-08	2.01E-09	3.87E-09	1.94E-10	6.07E-09	1.95E-09	3.33E-09	2.47E-10	5.53E-09	1.11E-09	1.84E-09	6.09E-11	3.01E-09
572	743351.19	4110756.25	1.27E-08	2.32E-08	1.27E-09	3.72E-08	1.97E-09	3.80E-09	1.91E-10	5.96E-09	1.92E-09	3.27E-09	2.42E-10	5.43E-09	1.09E-09	1.80E-09	5.98E-11	2.95E-09
573	743337.67	4110776.52	1.25E-08	2.28E-08	1.25E-09	3.66E-08	1.94E-09	3.74E-09	1.88E-10	5.87E-09	1.89E-09	3.22E-09	2.39E-10	5.35E-09	1.07E-09	1.78E-09	5.89E-11	2.91E-09
574	743324.15	4110796.8	1.24E-08	2.26E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.80E-09	1.87E-09	3.18E-09	2.36E-10	5.28E-09	1.06E-09	1.75E-09	5.82E-11	2.87E-09
575	743310.63	4110817.07	1.23E-08	2.24E-08	1.23E-09	3.59E-08	1.90E-09	3.67E-09	1.84E-10	5.76E-09	1.85E-09	3.16E-09	2.34E-10	5.24E-09	1.05E-09	1.74E-09	5.77E-11	2.85E-09
576	743297.11	4110837.35	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.90E-09	3.65E-09	1.83E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.74E-11	2.84E-09
577	743283.59	4110857.63	1.22E-08	2.22E-08	1.22E-09	3.57E-08	1.89E-09	3.65E-09	1.83E-10	5.72E-09	1.84E-09	3.14E-09	2.33E-10	5.21E-09	1.05E-09	1.73E-09	5.74E-11	2.83E-09
578	743270.07	4110877.9	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.90E-09	3.65E-09	1.83E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.75E-11	2.84E-09
579	743256.55	4110898.18	1.23E-08	2.24E-08	1.23E-09	3.58E-08	1.90E-09	3.66E-09	1.84E-10	5.75E-09	1.85E-09	3.15E-09	2.34E-10	5.24E-09	1.05E-09	1.74E-09	5.76E-11	2.85E-09
580	743243.02	4110918.45	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.78E-09	1.86E-09	3.17E-09	2.35E-10	5.26E-09	1.06E-09	1.75E-09	5.79E-11	2.86E-09
581	743229.5	4110938.73	1.24E-08	2.25E-08	1.24E-09	3.61E-08	1.92E-09	3.70E-09	1.86E-10	5.80E-09	1.87E-09	3.18E-09	2.36E-10	5.28E-09	1.06E-09	1.75E-09	5.81E-11	2.87E-09
582	743215.98	4110959.01	1.24E-08	2.26E-08	1.24E-09	3.62E-08	1.92E-09	3.71E-09	1.86E-10	5.82E-09	1.87E-09	3.19E-09	2.36E-10	5.30E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
583	743202.46	4110979.28	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.86E-10	5.82E-09	1.87E-09	3.19E-09	2.37E-10	5.30E-09	1.06E-09	1.76E-09	5.84E-11	2.88E-09
584	743188.94	4110999.56	1.24E-08	2.26E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.81E-09	1.87E-09	3.19E-09	2.36E-10	5.29E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
585	743175.42	4111019.83	1.23E-08	2.25E-08	1.24E-09	3.61E-08	1.91E-09	3.69E-09	1.85E-10	5.79E-09	1.86E-09	3.17E-09	2.35E-10	5.27E-09	1.06E-09	1.75E-09	5.80E-11	2.87E-09
586	743161.9	4111040.11	1.22E-08	2.23E-08	1.23E-09	3.58E-08	1.90E-09	3.66E-09	1.84E-10	5.74E-09	1.85E-09	3.15E-09	2.33E-10	5.23E-09	1.05E-09	1.74E-09	5.76E-11	2.84E-09
587	743148.38	4111060.39	1.21E-08	2.21E-08	1.21E-09	3.54E-08	1.88E-09	3.62E-09	1.82E-10	5.68E-09	1.83E-09	3.11E-09	2.31E-10	5.17E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
588	743134.86	4111080.66	1.19E-08	2.17E-08	1.19E-09	3.49E-08	1.85E-09	3.56E-09	1.79E-10	5.59E-09	1.80E-09	3.07E-09	2.27E-10	5.09E-09	1.02E-09	1.69E-09	5.61E-11	2.77E-09
589	743121.34	4111100.94	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.82E-09	3.50E-09	1.76E-10	5.49E-09	1.77E-09	3.01E-09	2.23E-10	5.00E-09	1.00E-09	1.66E-09	5.50E-11	2.72E-09
590	743107.82	4111121.22	1.14E-08	2.09E-08	1.15E-09	3.34E-08	1.77E-09	3.42E-09	1.72E-10	5.37E-09	1.73E-09	2.94E-09	2.18E-10	4.89E-09	9.81E-10	1.62E-09	5.38E-11	2.66E-09
591	743094.3	4111141.49	1.12E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.33E-09	1.67E-10	5.23E-09	1.68E-09	2.87E-09	2.12E-10	4.76E-09	9.55E-10	1.58E-09	5.24E-11	2.59E-09
592	743080.78	4111161.77	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.68E-09	3.23E-09	1.62E-10	5.07E-09	1.63E-09	2.78E-09	2.06E-10	4.62E-09	9.27E-10	1.53E-09	5.09E-11	2.51E-09
593	743067.26	4111182.04	1.05E-08	1.91E-08	1.05E-09	3.06E-08	1.62E-09	3.13E-09	1.57E-10	4.91E-09	1.58E-09	2.69E-09	1.99E-10	4.47E-09	8.97E-10	1.48E-09	4.92E-11	2.43E-09
594	743053.74	4111202.32	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.56E-09	3.01E-09	1.51E-10	4.73E-09	1.52E-09	2.59E-09	1.92E-10	4.30E-09	8.64E-10	1.43E-09	4.74E-11	2.34E-09
595	743040.22	4111222.6	9.68E-09	1.76E-08	9.69E-10	2.83E-08	1.50E-09	2.89E-09	1.45E-10	4.54E-09	1.46E-09	2.49E-09	1.84E-10	4.13E-09	8.30E-10	1.37E-09	4.55E-11	2.25E-09
596	743439.77	4109166.28	3.77E-08	6.88E-08	3.78E-09	1.10E-07	5.85E-09	1.13E-08	5.66E-10	1.77E-08	5.69E-09	9.70E-09	7.19E-10	1.61E-08	3.23E-09	5.35E-09	1.77E-10	8.76E-09
597	743426.23	4109145.92	3.80E-08	6.92E-08	3.80E-09	1.11E-07	5.89E-09	1.13E-08	5.70E-10	1.78E-08	5.72E-09	9.76E-09	7.23E-10	1.62E-08	3.25E-09	5.38E-09	1.78E-10	8.81E-09
598	743412.68	4109125.56	3.80E-08	6.93E-08	3.81E-09	1.11E-07	5.90E-09	1.14E-08	5.71E-10	1.78E-08	5.74E-09	9.78E-09	7.25E-10	1.62E-08	3.26E-09	5.39E-09	1.79E-10	8.83E-09
599	743399.13	4109105.2	3.80E-08	6.92E-08	3.80E-09	1.11E-07	5.89E-09	1.14E-08	5.70E-10	1.78E-08	5.73E-09	9.77E-09	7.24E-10	1.62E-08	3.26E-09	5.39E-09	1.79E-10	8.82E-09
600	743385.58	4109084.83	3.78E-08	6.89E-08	3.79E-09	1.11E-07	5.87E-09	1.13E-08	5.68E-10	1.77E-08	5.71E-09	9.73E-09	7.21E-10	1.62E-08	3.24E-09	5.36E-09	1.78E-10	8.79E-09
601	743372.03	4109064.47	3.75E-08	6.84E-08	3.76E-09	1.10E-07	5.82E-09	1.12E-08	5.63E-10	1.76E-08	5.66E-09	9.65E-09	7.15E-10	1.60E-08	3.22E-09	5.32E-09	1.76E-10	8.72E-09
602	743358.48	4109044.11	3.71E-08	6.76E-08	3.71E-09	1.08E-07	5.76E-09	1.11E-08	5.57E-10	1.74E-08	5.60E-09	9.54E-09	7.07E-10	1.58E-08	3.18E-09	5.26E-09	1.74E-10	8.62E-09
603	743344.93	4109023.75	3.66E-08	6.67E-08	3.66E-09	1.07E-07	5.67E-09	1.09E-08	5.49E-10	1.72E-08	5.52E-09	9.41E-09	6.97E-10	1.56E-08	3.14E-09	5.19E-09	1.72E-10	8.50E-09
604	743331.38	4109003.39	3.60E-08	6.56E-08	3.60E-09	1.05E-07	5.58E-09	1.07E-08	5.40E-10	1.69E-08	5.43E-09	9.25E-09	6.86E-10	1.54E-08	3.08E-09	5.10E-09	1.69E-10	8.35E-09
605	743777.48	4108968.41	2.63E-08	4.79E-08	2.63E-09	7.68E-08	4.08E-09	7.85E-09	3.94E-10	1.23E-08	3.96E-09	6.76E-09	5.01E-10	1.12E-08	2.25E-09	3.73E-09	1.24E-10	6.10E-09
606	743782.18	4108992.13	2.63E-08	4.80E-08	2.64E-09	7.70E-08	4.08E-09	7.87E-09	3.95E-10	1.23E-08	3.97E-09	6.77E-09	5.02E-10	1.12E-08	2.26E-09	3.73E-09	1.24E-10	6.12E-09
607	743786.87	4109015.85	2.63E-08	4.80E-08	2.64E-09	7.70E-08	4.08E-09	7.87E-09	3.95E-10	1.23E-08	3.97E-09	6.77E-09	5.02E-10	1.12E-08	2.26E-09	3.73E-09	1.24E-10	6.11E-09
608	743791.57	4109039.57	2.63E-08	4.79E-08	2.63E-09	7.67E-08	4.07E-09	7.85E-09	3.94E-10	1.23E-08	3.96E-09	6.75E-09	5.00E-10	1.12E-08	2.25E-09	3.72E-09	1.23E-10	6.10E-09
609	743796.26	4109063.29	2.61E-08	4.76E-08	2.61E-09	7.63E-08	4.05E-09	7.80E-09	3.92E-10	1.22E-08	3.94E-09	6.71E-09	4.97E-10	1.11E-08	2.24E-09	3.70E-09	1.23E-10	6.06E-09
610	743800.95	4109087.01	2.58E-08	4.71E-08	2.58E-09	7.55E-08	4.01E-09	7.72E-09	3.88E-10	1.21E-08	3.89E-09	6.64E-09	4.92E-10	1.10E-08	2.21E-09	3.66E-09	1.21E-10	6.00E-09
611	743805.65	4109110.73	2.55E-08	4.64E-08	2.55E-09	7.44E-08	3.95E-09	7.60E-09	3.82E-10	1.19E-08	3.84E-09	6.54E-09	4.85E-10	1.09E-08	2.18E-09	3.61E-09	1.20E-10	5.91E-09
612	743810.34	4109134.45	2.50E-08	4.55E-08	2.50E-09	7.30E-08	3.87E-09	7.46E-09	3.75E-10	1.17E-08	3.77E-09	6.42E-09	4.76E-10	1.07E-08	2.14E-09	3.54E-09	1.17E-10	5.80E-09
613	743815.04	4109158.17	2.44E-08	4.44E-08	2.44E-09	7.13E-08	3.78E-09	7.29E-09	3.66E-10	1.14E-08	3.68E-09	6.27E-09	4.65E-10	1.04E-08	2.09E-09	3.46E-09	1.15E-10	5.66E-09
614	743819.73	4109181.89	2.37E-08	4.33E-08	2.38E-09	6.94E-08	3.68E-09	7.09E-09	3.56E-10	1.11E-08	3.58E-09	6.10E-09	4.52E-10	1.01E-08	2.03E-09	3.37E-09	1.12E-10	5.51E-09
615	743824.43	4109205.62	2.30E-08	4.20E-08	2.31E-09	6.73E-08	3.57E-09	6.88E-09	3.46E-10	1.08E-08	3.47E-09	5.92E-09	4.39E-10	9.84E-09	1.97E-09	3.27E-09	1.08E-10	5.35E-09
616	743829.12	4109229.34	2.23E-08	4.06E-08	2.23E-09	6.52E-08	3.46E-09	6.66E-09	3.35E-10	1.05E-08	3.36E-09	5.73E-09	4.25E-10	9.52E-09	1.91E-09	3.16E-09	1.05E-10	5.18E-09
617	743833.82	4109253.06	2.16E-08	3.93E-08	2.16E-09	6.30E-08	3.34E-09	6.44E-09	3.24E-10	1.01E-08	3.25E-09	5.54E-09	4.11E-10	9.20E-09	1.85E-09	3.06E-09	1.01E-10	5.00E-09
618	743838.51	4109276.78	2.08E-08	3.79E-08	2.08E-09	6.08E-08	3.23E-09	6.22E-09	3.12E-10	9.76E-09	3.14E-09	5.35E-09	3.97E-10	8.89E-09	1.78E-09	2.95E-09	9.78E-11	4.83E-09
619	743843.21	4109300.5	2.01E-08	3.66E-08	2.01E-09	5.88E-08	3.12E-09	6.01E-09	3.02E-10	9.43E-09	3.03E-09	5.17E-09	3.83E-10	8.59E-09	1.72E-09	2.85E-09	9.45E-11	4.67E-09

620	743847.9	4109324.22	1.95E-08	3.54E-08	1.95E-09	5.68E-08	3.02E-09	5.81E-09	2.92E-10	9.12E-09	2.93E-09	5.00E-09	3.71E-10	8.30E-09	1.67E-09	2.76E-09	9.14E-11	4.52E-09
621	743852.6	4109347.94	1.88E-08	3.43E-08	1.89E-09	5.51E-08	2.92E-09	5.63E-09	2.83E-10	8.83E-09	2.84E-09	4.84E-09	3.59E-10	8.04E-09	1.61E-09	2.67E-09	8.85E-11	4.37E-09
622	743857.29	4109371.66	1.83E-08	3.34E-08	1.83E-09	5.35E-08	2.84E-09	5.47E-09	2.75E-10	8.59E-09	2.76E-09	4.71E-09	3.49E-10	7.82E-09	1.57E-09	2.60E-09	8.61E-11	4.25E-09
623	743861.99	4109395.38	1.79E-08	3.26E-08	1.79E-09	5.22E-08	2.77E-09	5.34E-09	2.68E-10	8.38E-09	2.70E-09	4.60E-09	3.41E-10	7.63E-09	1.53E-09	2.54E-09	8.40E-11	4.15E-09
624	743866.68	4109419.1	1.75E-08	3.20E-08	1.76E-09	5.13E-08	2.72E-09	5.24E-09	2.63E-10	8.23E-09	2.65E-09	4.51E-09	3.34E-10	7.49E-09	1.50E-09	2.49E-09	8.24E-11	4.07E-09
625	743871.38	4109442.82	1.73E-08	3.16E-08	1.73E-09	5.06E-08	2.69E-09	5.17E-09	2.60E-10	8.12E-09	2.61E-09	4.45E-09	3.30E-10	7.39E-09	1.48E-09	2.45E-09	8.14E-11	4.02E-09
626	743876.07	4109466.54	1.72E-08	3.13E-08	1.72E-09	5.03E-08	2.67E-09	5.14E-09	2.58E-10	8.07E-09	2.59E-09	4.42E-09	3.28E-10	7.34E-09	1.47E-09	2.44E-09	8.08E-11	3.99E-09
627	743880.76	4109490.27	1.72E-08	3.13E-08	1.72E-09	5.03E-08	2.67E-09	5.14E-09	2.58E-10	8.07E-09	2.59E-09	4.42E-09	3.28E-10	7.34E-09	1.47E-09	2.44E-09	8.08E-11	3.99E-09
628	743885.46	4109513.99	1.73E-08	3.15E-08	1.73E-09	5.05E-08	2.68E-09	5.16E-09	2.59E-10	8.10E-09	2.60E-09	4.44E-09	3.29E-10	7.37E-09	1.48E-09	2.45E-09	8.12E-11	4.01E-09
629	743890.15	4109537.71	1.74E-08	3.17E-08	1.74E-09	5.08E-08	2.69E-09	5.19E-09	2.61E-10	8.14E-09	2.62E-09	4.47E-09	3.31E-10	7.42E-09	1.49E-09	2.46E-09	8.16E-11	4.03E-09
630	743894.85	4109561.43	1.75E-08	3.18E-08	1.75E-09	5.11E-08	2.71E-09	5.22E-09	2.62E-10	8.19E-09	2.63E-09	4.49E-09	3.33E-10	7.46E-09	1.50E-09	2.48E-09	8.21E-11	4.06E-09
631	743899.54	4109585.15	1.76E-08	3.20E-08	1.76E-09	5.13E-08	2.72E-09	5.24E-09	2.63E-10	8.23E-09	2.65E-09	4.51E-09	3.34E-10	7.49E-09	1.50E-09	2.49E-09	8.25E-11	4.08E-09
632	743904.24	4109608.87	1.76E-08	3.20E-08	1.76E-09	5.13E-08	2.72E-09	5.25E-09	2.64E-10	8.24E-09	2.65E-09	4.52E-09	3.35E-10	7.50E-09	1.51E-09	2.49E-09	8.26E-11	4.08E-09
633	743908.93	4109632.59	1.75E-08	3.19E-08	1.75E-09	5.12E-08	2.72E-09	5.23E-09	2.63E-10	8.21E-09	2.64E-09	4.50E-09	3.34E-10	7.48E-09	1.50E-09	2.48E-09	8.23E-11	4.07E-09
634	743913.63	4109656.31	1.74E-08	3.17E-08	1.74E-09	5.08E-08	2.70E-09	5.20E-09	2.61E-10	8.15E-09	2.62E-09	4.47E-09	3.31E-10	7.43E-09	1.49E-09	2.47E-09	8.17E-11	4.04E-09
635	743918.32	4109680.03	1.72E-08	3.13E-08	1.72E-09	5.02E-08	2.67E-09	5.14E-09	2.58E-10	8.06E-09	2.59E-09	4.42E-09	3.28E-10	7.34E-09	1.47E-09	2.44E-09	8.08E-11	3.99E-09
636	743923.02	4109703.75	1.69E-08	3.08E-08	1.69E-09	4.95E-08	2.63E-09	5.06E-09	2.54E-10	7.94E-09	2.55E-09	4.35E-09	3.23E-10	7.23E-09	1.45E-09	2.40E-09	7.96E-11	3.93E-09
637	743927.71	4109727.47	1.66E-08	3.02E-08	1.66E-09	4.85E-08	2.57E-09	4.96E-09	2.49E-10	7.78E-09	2.50E-09	4.27E-09	3.16E-10	7.08E-09	1.42E-09	2.35E-09	7.80E-11	3.85E-09
638	743932.41	4109751.19	1.62E-08	2.95E-08	1.62E-09	4.74E-08	2.51E-09	4.84E-09	2.43E-10	7.60E-09	2.44E-09	4.17E-09	3.09E-10	6.92E-09	1.39E-09	2.30E-09	7.62E-11	3.76E-09
639	743937.1	4109774.91	1.58E-08	2.88E-08	1.58E-09	4.62E-08	2.45E-09	4.72E-09	2.37E-10	7.41E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.67E-09
640	743941.8	4109798.64	1.54E-08	2.80E-08	1.54E-09	4.49E-08	2.38E-09	4.59E-09	2.31E-10	7.20E-09	2.32E-09	3.95E-09	2.93E-10	6.56E-09	1.32E-09	2.18E-09	7.22E-11	3.57E-09
641	743946.49	4109822.36	1.49E-08	2.72E-08	1.49E-09	4.36E-08	2.31E-09	4.46E-09	2.24E-10	7.00E-09	2.25E-09	3.84E-09	2.84E-10	6.37E-09	1.28E-09	2.12E-09	7.01E-11	3.46E-09
642	743951.19	4109846.08	1.45E-08	2.64E-08	1.45E-09	4.24E-08	2.25E-09	4.33E-09	2.18E-10	6.80E-09	2.19E-09	3.73E-09	2.76E-10	6.19E-09	1.24E-09	2.06E-09	6.81E-11	3.37E-09
643	743955.88	4109869.8	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.18E-09	4.21E-09	2.11E-10	6.60E-09	2.12E-09	3.62E-09	2.68E-10	6.01E-09	1.21E-09	2.00E-09	6.62E-11	3.27E-09
644	743960.58	4109893.52	1.37E-08	2.49E-08	1.37E-09	4.00E-08	2.12E-09	4.09E-09	2.05E-10	6.42E-09	2.06E-09	3.52E-09	2.61E-10	5.84E-09	1.17E-09	1.94E-09	6.43E-11	3.18E-09
645	743965.27	4109917.24	1.33E-08	2.43E-08	1.33E-09	3.89E-08	2.07E-09	3.98E-09	2.00E-10	6.25E-09	2.01E-09	3.43E-09	2.54E-10	5.69E-09	1.14E-09	1.89E-09	6.26E-11	3.09E-09
646	743969.96	4109940.96	1.30E-08	2.37E-08	1.30E-09	3.79E-08	2.01E-09	3.88E-09	1.95E-10	6.09E-09	1.96E-09	3.34E-09	2.47E-10	5.54E-09	1.11E-09	1.84E-09	6.10E-11	3.02E-09
647	743974.66	4109964.68	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.97E-09	3.79E-09	1.90E-10	5.94E-09	1.91E-09	3.26E-09	2.42E-10	5.41E-09	1.09E-09	1.80E-09	5.96E-11	2.94E-09
648	743979.35	4109988.4	1.24E-08	2.26E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.81E-09	1.87E-09	3.19E-09	2.36E-10	5.29E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
649	743984.05	4110012.12	1.21E-08	2.21E-08	1.21E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.70E-11	2.82E-09
650	743988.74	4110035.84	1.19E-08	2.17E-08	1.19E-09	3.48E-08	1.85E-09	3.56E-09	1.79E-10	5.58E-09	1.80E-09	3.06E-09	2.27E-10	5.08E-09	1.02E-09	1.69E-09	5.60E-11	2.76E-09
651	743993.44	4110059.56	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.81E-09	3.49E-09	1.76E-10	5.48E-09	1.76E-09	3.01E-09	2.23E-10	4.99E-09	1.00E-09	1.66E-09	5.50E-11	2.72E-09
652	743998.13	4110083.29	1.15E-08	2.10E-08	1.15E-09	3.36E-08	1.78E-09	3.44E-09	1.73E-10	5.40E-09	1.74E-09	2.96E-09	2.19E-10	4.91E-09	9.86E-10	1.63E-09	5.41E-11	2.67E-09
653	744002.83	4110107.01	1.13E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.39E-09	1.70E-10	5.32E-09	1.71E-09	2.92E-09	2.16E-10	4.84E-09	9.72E-10	1.61E-09	5.33E-11	2.63E-09
654	744007.52	4110130.73	1.12E-08	2.04E-08	1.12E-09	3.27E-08	1.74E-09	3.34E-09	1.68E-10	5.25E-09	1.69E-09	2.88E-09	2.13E-10	4.78E-09	9.59E-10	1.59E-09	5.26E-11	2.60E-09
655	744012.22	4110154.45	1.11E-08	2.01E-08	1.11E-09	3.23E-08	1.71E-09	3.30E-09	1.66E-10	5.18E-09	1.67E-09	2.84E-09	2.11E-10	4.72E-09	9.47E-10	1.57E-09	5.20E-11	2.57E-09
656	744016.91	4110178.17	1.09E-08	1.99E-08	1.09E-09	3.19E-08	1.69E-09	3.26E-09	1.64E-10	5.12E-09	1.65E-09	2.81E-09	2.08E-10	4.66E-09	9.36E-10	1.55E-09	5.13E-11	2.54E-09
657	744021.61	4110201.89	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.68E-09	3.23E-09	1.62E-10	5.06E-09	1.63E-09	2.78E-09	2.06E-10	4.61E-09	9.26E-10	1.53E-09	5.08E-11	2.51E-09
658	744026.3	4110225.61	1.07E-08	1.95E-08	1.07E-09	3.12E-08	1.66E-09	3.19E-09	1.60E-10	5.01E-09	1.61E-09	2.75E-09	2.04E-10	4.56E-09	9.15E-10	1.51E-09	5.02E-11	2.48E-09
659	744031	4110249.33	1.06E-08	1.93E-08	1.06E-09	3.09E-08	1.64E-09	3.16E-09	1.59E-10	4.96E-09	1.59E-09	2.72E-09	2.01E-10	4.51E-09	9.06E-10	1.50E-09	4.97E-11	2.45E-09
660	744035.69	4110273.05	1.05E-08	1.91E-08	1.05E-09	3.06E-08	1.62E-09	3.13E-09	1.57E-10	4.90E-09	1.58E-09	2.69E-09	1.99E-10	4.47E-09	8.96E-10	1.48E-09	4.92E-11	2.43E-09
661	744040.39	4110296.77	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.09E-09	1.55E-10	4.85E-09	1.56E-09	2.66E-09	1.97E-10	4.42E-09	8.87E-10	1.47E-09	4.87E-11	2.40E-09
662	744045.08	4110320.49	1.03E-08	1.87E-08	1.03E-09	3.00E-08	1.59E-09	3.06E-09	1.54E-10	4.81E-09	1.55E-09	2.64E-09	1.95E-10	4.38E-09	8.78E-10	1.45E-09	4.82E-11	2.38E-09
663	744049.77	4110344.21	1.02E-08	1.85E-08	1.02E-09	2.97E-08	1.57E-09	3.03E-09	1.52E-10	4.76E-09	1.53E-09	2.61E-09	1.94E-10	4.34E-09	8.70E-10	1.44E-09	4.77E-11	2.36E-09
664	744041.05	4110388.05	1.01E-08	1.85E-08	1.01E-09	2.96E-08	1.57E-09	3.03E-09	1.52E-10	4.75E-09	1.53E-09	2.60E-09	1.93E-10	4.32E-09	8.68E-10	1.44E-09	4.76E-11	2.35E-09
665	744027.64	4110408.17	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.78E-09	1.54E-09	2.62E-09	1.94E-10	4.36E-09	8.74E-10	1.45E-09	4.79E-11	2.37E-09
666	744014.22	4110428.29	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.07E-09	1.54E-10	4.82E-09	1.55E-09	2.65E-09	1.96E-10	4.39E-09	8.82E-10	1.46E-09	4.84E-11	2.39E-09
667	744000.81	4110448.41	1.04E-08	1.89E-08	1.04E-09	3.04E-08	1.61E-09	3.10E-09	1.56E-10	4.87E-09	1.57E-09	2.67E-09	1.98E-10	4.44E-09	8.90E-10	1.47E-09	4.88E-11	2.41E-09
668	743987.39	4110468.53	1.05E-08	1.92E-08	1.05E-09	3.07E-08	1.63E-09	3.14E-09	1.58E-10	4.93E-09	1.59E-09	2.70E-09	2.00E-10	4.49E-09	9.01E-10	1.49E-09	4.94E-11	2.44E-09
669	743973.98	4110488.65	1.06E-08	1.94E-08	1.06E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	4.99E-09	1.60E-09	2.74E-09	2.03E-10	4.54E-09	9.12E-10	1.51E-09	5.00E-11	2.47E-09
670	743960.56	4110508.76	1.08E-08	1.96E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.05E-09	1.62E-09	2.77E-09	2.05E-10	4.60E-09	9.23E-10	1.53E-09	5.06E-11	2.50E-09
671	743947.15	4110528.88	1.09E-08	1.99E-08	1.09E-09	3.19E-08	1.69E-09	3.26E-09	1.64E-10	5.11E-09	1.65E-09	2.80E-09	2.08E-10	4.66E-09	9.35E-10	1.55E-09	5.13E-11	2.53E-09
672	743933.73	4110549	1.10E-08	2.01E-08	1.10E-09	3.23E-08	1.71E-09	3.30E-09	1.66E-10	5.18E-09	1.66E-09	2.84E-09	2.10E-10	4.71E-09	9.46E-10	1.57E-09	5.19E-11	2.56E-09
673	743920.32	4110569.12	1.12E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.33E-09	1.67E-10	5.23E-09	1.68E-09	2.87E-09	2.13E-10	4.76E-09	9.56E-10	1.58E-09	5.24E-11	2.59E-09
674	743906.9	4110589.24	1.13E-08	2.05E-08	1.13E-09	3.29E-08	1.75E-09	3.36E-09	1.69E-10	5.28E-09	1.70E-09	2.89E-09	2.14E-10	4.80E-09	9.64E-10	1.60E-09	5.29E-11	2.61E-09
675	743893.49	4110609.36	1.13E-08	2.06E-08	1.13E-09	3.31E-08	1.76E-09	3.38E-09	1.70E-10	5.31E-09	1.71E-09	2.91E-09	2.16E-10	4.83E-09	9.70E-10	1.61E-09	5.32E-11	2.63E-09
676	743880.07	4110629.47	1.14E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.39E-09	1.70E-10	5.32E-09	1.71E-09	2.92E-09	2.16E-10	4.85E-09	9.73E-10	1.61E-09	5.34E-11	2.64E-09
677	743866.66	4110649.59	1.14E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.39E-09	1.70E-10	5.32E-09	1.71E-09	2.92E-09	2.16E-10	4.85E-09	9.73E-10	1.61E-09	5.34E-11	2.64E-09
678	743853.24	4110669.71	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.38E-09	1.70E-10	5.30E-09	1.71E-09	2.91E-09	2.15E-10	4.83E-09	9.69E-10	1.60E-09	5.31E-11	2.63E-09
679	743839.83	4110689.83	1.12E-08	2.04E-08	1.12E-09	3.28E-08	1.74E-09	3.35E-09	1.68E-10	5.26E-09	1.69E-09	2.88E-09	2.14E-10	4.79E-09	9.61E-10	1.59E-09	5.27E-11	2.61E-09
680	743826.41	4110709.95	1.11E-08	2.02E-08	1.11E-09	3.24E-08	1.72E-09	3.32E-09	1.67E-10	5.20E-09	1.67E-09	2.85E-09	2.11E-10	4.74E-09	9.51E-10	1.57E-09	5.21E-11	2.58E-09
681	743813	4110730.07	1.09E-08	1.99E-08	1.09E-09	3.20E-08	1.70E-09	3.27E-09	1.64E-10	5.13E-09	1.65E-09	2.81E-09	2.08E-10	4.67E-09	9.37E-10	1.55E-09	5.14E-11	2.54E-09
682	743799.58	4110750.18	1.07E-08	1.96E-08	1.07E-09	3.14E-08	1.67E-09	3.21E-09	1.61E-10	5.04E-09	1.62E-09	2.76E-09	2.05E-10	4.59E-09	9.21E-10	1.52E-09	5.05E-11	2.49E-09
683	743786.17	4110770.3	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.49E-09	9.02E-10	1.49E-09	4.95E-11	2.44E-09
684	743772.75	4110790.42	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.40E-09	8.83E-10	1.46E-09	4.84E-11	2.39E-09
685	743759.34	4110810.54	1.01E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.01E-09	1.51E-10	4.72E-09	1.52E-09	2.59E-09	1.92E-10	4.30E-09	8.62E-10	1.43E-09	4.73E-11	2.34E-09
686	743745.92	4110830.66	9.84E-09	1.79E-08	9.84E-10	2.87E-08	1.53E-09	2.94E-09	1.48E-10	4.61E-09	1.48E-09	2.53E-09	1.87E-10	4.20E-09	8.43E-10	1.39E-09	4.62E-11	2.28E-09
687	743732.5	4110850.78	9.62E-09	1.75E-08	9.62E-10	2.81E-08	1.49E-09	2.87E-09	1.44E-10	4.51E-09	1.45E-09	2.47E-09	1.83E-10	4.11E-09	8.24E-10	1.36E-09	4.52E-11	2.23E-09
688	743719.09	4110870.89	9.41E-09	1.72E-08	9.42E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.07E-10	1.33E-09	4.42E-11	2.19E-09
689	743705.67	4110891.01	9.23E-09	1.68E-08	9.24E-10	2.70E-08	1.43E-09	2.76E-09	1.39E-10	4.33E-09	1.39E-09	2.37E-09	1.76E-10	3.94E-09	7.91E-10	1.31E-09	4.34E-11	2.14E-09
690	743692.26	4110911.13	9.07E-09	1.65E-08	9.08E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.77E-10	1.29E-09	4.26E-11	2.11E-09
691	743678.84	4110931.25	8.94E-09	1.63E-08	8.94E-10	2.61E-08	1.39E-09	2.67E-09	1.34E-10	4.19E-09	1.35E-09	2.30E-09	1.70E-10	3.81E-09	7.66E-10	1.27E-09	4.20E-11	2.07E-09
692	743665.43	4110951.37	8.82E-09	1.61E-08	8.83E-10	2.58E-08	1.37E-09	2.64E-09	1.32E-10	4.14E-09	1.33E-09	2.27E-09	1.68E-10	3.77E-09	7.56E-10	1.25E-09	4.15E-11	2.05E-09
693	743652.01	4110971.49	8.73E-09	1.59E-08	8.74E-10	2.55E-08	1.35E-09	2.61E-09	1.31E-10	4.09E-09	1.32E-09	2.24E-09	1.66E-10	3.73E-09	7.48E-10	1.24E-09	4.10E-11	2.03E-09
694	743638.6	4110991.6	8.66E-09	1.58E-08	8.67E-10	2.53E-08	1.34E-09	2.59E-09	1.30E-10	4.06E-09	1.31E-09	2.23E-09	1.65E-10	3.70E-09	7.42E-10	1.23E-09	4.07E-11	2.01E-09
695	743625.18	4111011.72	8.61E-09	1.57E-08	8.62E-10	2.52E-08	1.34E-09	2.57E-09	1.29E-10	4.04E-09	1.30E-09	2.21E-09	1.64E-10	3.68E-09	7.38E-10	1.22E-09	4.05E-11	2.00E-09
696	743611.77	4111031.84	8.58E-09	1.56E-08	8.59E-10	2.51E-08	1.33E-09	2.56E-09	1.29E-10	4.02E-09	1.29E-09	2.21E-09	1.64E-10	3.66E-09	7.35E-10	1.22E-09	4.03E-11	1.99E-09
697	743598.35	4111051.96	8.57E-09	1.56E-08	8.57E-10	2.50E-08	1.33E-09	2.56E-09	1.29E-10	4.02E-09	1.29E-09	2.20E-09	1.63E-10	3.66E-09	7.34E-10	1.22E-09	4.03E-11	1.99E-09
698	743584.94	4111072.08	8.58E-09	1.56E-08	8.58E-10	2.51E-08	1.33E-09	2.56E-09	1.29E-10	4.02E-09	1.29E-09	2.20E-09	1.63E-10	3.66E-09	7.35E-10	1.22E-09	4.03E-11	1.99E-09
699	743571.52	4111092.2	8.60E-09	1.57E-08	8.60E-10	2.51E-08	1.33E-09	2.57E-09	1.29E-10	4.03E-09	1.30E-09	2.21E-09	1.64E-10	3.67E-09	7.37E-10	1.22E-09	4.04E-11	2.00E-09
700	743558.11	4111112.31	8.63E-09	1.57E-08	8.64E-10	2.52E-08	1.34E-09	2.58E-09	1.30E-10	4.05E-09	1.30E-09	2.22E-09	1.65E-10	3.69E-09	7.40E-10	1.22E-09	4.06E-11	2.00E-09
701	743544.69	4111132.43	8.68E-09	1.58E-08	8.69E-10	2.54E-08	1.35E-09	2.59E-09	1.30E-10	4.07E-09	1.31E-09	2.23E-09	1.65E-10	3.71E-09	7.44E-10	1.23E-09	4.08E-11	2.02E-09
702	743531.28	4111152.55	8.75E-09	1.59E-08	8.75E-10	2.56E-08	1.36E-09	2.61E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.50E-10	1.24E-09	4.11E-11	2.03E-09
703	743517.86	4111172.67	8.82E-09	1.61E-08	8.83E-10	2.58E-08	1.37E-09	2.64E-09	1.32E-10	4.14E-09	1.33E-09	2.27E-09	1.68E-10	3.77E-09	7.56E-10	1.25E-09	4.15E-11	2.05E-09
704	743504.45	4111192.79	8.90E-09	1.62E-08	8.90E-10	2.60E-08	1.38E-09	2.66E-09	1.34E-10	4.17E-09	1.34E-09	2.29E-09	1.70E-10	3.80E-09	7.63E-10	1.26E-09	4.18E-11	2.07E-09
705	743491.03	4111212.91	8.97E-09	1.64E-08	8.98E-10	2.62E-08	1.39E-09	2.68E-09	1.35E-10	4.21E-09	1.35E-09	2.31E-09	1.71E-10	3.83E-09	7.69E-10	1.27E-09	4.22E-11	2.08E-09
706	743477.62	4111233.03	9.04E-09	1.65E-08	9.05E-10	2.64E-08	1.40E-09	2.70E-09	1.36E-10	4.24E-09	1.36E-09	2.32E-09	1.72E-10	3.86E-09	7.75E-10	1.28E-09	4.25E-11	2.10E-09
707	743464.2	4111253.14	9.10E-09	1.66E-08	9.11E-10	2.66E-08	1.41E-09	2.72E-09	1.37E-10	4.27E-09	1.37E-09	2.34E-09	1.73E-10	3.89E-09	7.80E-10	1.29E-09	4.28E-11	2.11E-09
708	743450.79	4111273.26	9.14E-09	1.67E-08	9.15E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.29E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.83E-10	1.30E-09	4.30E-11	2.12E-09

709	743437.37	4111293.38	9.16E-09	1.67E-08	9.16E-10	2.68E-08	1.42E-09	2.74E-09	1.37E-10	4.29E-09	1.38E-09	2.35E-09	1.74E-10	3.91E-09	7.85E-10	1.30E-09	4.30E-11	2.13E-09
710	743423.96	4111313.5	9.15E-09	1.67E-08	9.15E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.29E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.84E-10	1.30E-09	4.30E-11	2.12E-09
711	743410.54	4111333.62	9.10E-09	1.66E-08	9.11E-10	2.66E-08	1.41E-09	2.72E-09	1.37E-10	4.27E-09	1.37E-09	2.34E-09	1.73E-10	3.89E-09	7.80E-10	1.29E-09	4.28E-11	2.11E-09
712	743397.12	4111353.74	9.02E-09	1.64E-08	9.02E-10	2.64E-08	1.40E-09	2.69E-09	1.35E-10	4.23E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.73E-10	1.28E-09	4.24E-11	2.09E-09
713	743383.71	4111373.85	8.90E-09	1.62E-08	8.90E-10	2.60E-08	1.38E-09	2.66E-09	1.34E-10	4.17E-09	1.34E-09	2.29E-09	1.70E-10	3.80E-09	7.62E-10	1.26E-09	4.18E-11	2.07E-09
714	743370.29	4111393.97	8.74E-09	1.59E-08	8.74E-10	2.55E-08	1.35E-09	2.61E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.66E-10	3.73E-09	7.49E-10	1.24E-09	4.11E-11	2.03E-09
715	743356.88	4111414.09	8.53E-09	1.56E-08	8.54E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.19E-09	1.63E-10	3.64E-09	7.31E-10	1.21E-09	4.01E-11	1.98E-09
716	743343.46	4111434.21	8.29E-09	1.51E-08	8.30E-10	2.42E-08	1.29E-09	2.48E-09	1.24E-10	3.89E-09	1.25E-09	2.13E-09	1.58E-10	3.54E-09	7.11E-10	1.18E-09	3.90E-11	1.93E-09
717	743330.05	4111454.33	8.02E-09	1.46E-08	8.02E-10	2.34E-08	1.24E-09	2.40E-09	1.20E-10	3.76E-09	1.21E-09	2.06E-09	1.53E-10	3.42E-09	6.87E-10	1.14E-09	3.77E-11	1.86E-09
718	743316.63	4111474.45	7.72E-09	1.41E-08	7.72E-10	2.26E-08	1.20E-09	2.31E-09	1.16E-10	3.62E-09	1.16E-09	1.98E-09	1.47E-10	3.30E-09	6.61E-10	1.09E-09	3.63E-11	1.79E-09
719	743303.22	4111494.56	7.40E-09	1.35E-08	7.41E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.47E-09	1.12E-09	1.90E-09	1.41E-10	3.16E-09	6.34E-10	1.05E-09	3.48E-11	1.72E-09
720	743289.8	4111514.68	7.08E-09	1.29E-08	7.08E-10	2.07E-08	1.10E-09	2.11E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.06E-10	1.00E-09	3.33E-11	1.64E-09
721	743276.39	4111534.8	6.75E-09	1.23E-08	6.75E-10	1.97E-08	1.05E-09	2.02E-09	1.01E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.88E-09	5.78E-10	9.57E-10	3.17E-11	1.57E-09
722	743262.97	4111554.92	6.44E-09	1.17E-08	6.44E-10	1.88E-08	9.99E-10	1.92E-09	9.66E-11	3.02E-09	9.71E-10	1.66E-09	1.23E-10	2.75E-09	5.52E-10	9.13E-10	3.03E-11	1.49E-09
723	743772.79	4108944.69	2.62E-08	4.77E-08	2.62E-09	7.65E-08	4.06E-09	7.82E-09	3.93E-10	1.23E-08	3.95E-09	6.73E-09	4.99E-10	1.12E-08	2.24E-09	3.71E-09	1.23E-10	6.08E-09
724	743759.24	4108924.33	2.62E-08	4.78E-08	2.62E-09	7.66E-08	4.07E-09	7.83E-09	3.94E-10	1.23E-08	3.95E-09	6.74E-09	5.00E-10	1.12E-08	2.25E-09	3.72E-09	1.23E-10	6.09E-09
725	743745.69	4108903.96	2.62E-08	4.78E-08	2.63E-09	7.67E-08	4.07E-09	7.84E-09	3.94E-10	1.23E-08	3.96E-09	6.74E-09	5.00E-10	1.12E-08	2.25E-09	3.72E-09	1.23E-10	6.09E-09
726	743732.14	4108883.6	2.62E-08	4.77E-08	2.62E-09	7.66E-08	4.06E-09	7.83E-09	3.93E-10	1.23E-08	3.95E-09	6.74E-09	4.99E-10	1.12E-08	2.25E-09	3.72E-09	1.23E-10	6.08E-09
727	743718.59	4108863.24	2.61E-08	4.76E-08	2.61E-09	7.63E-08	4.05E-09	7.80E-09	3.92E-10	1.22E-08	3.94E-09	6.71E-09	4.98E-10	1.11E-08	2.24E-09	3.70E-09	1.23E-10	6.06E-09
728	743705.04	4108842.88	2.60E-08	4.73E-08	2.60E-09	7.59E-08	4.03E-09	7.76E-09	3.90E-10	1.22E-08	3.92E-09	6.67E-09	4.95E-10	1.11E-08	2.22E-09	3.68E-09	1.22E-10	6.03E-09
729	743691.49	4108822.52	2.58E-08	4.69E-08	2.58E-09	7.53E-08	3.99E-09	7.69E-09	3.86E-10	1.21E-08	3.88E-09	6.62E-09	4.91E-10	1.10E-08	2.21E-09	3.65E-09	1.21E-10	5.98E-09
730	743677.95	4108802.16	2.55E-08	4.64E-08	2.55E-09	7.45E-08	3.95E-09	7.61E-09	3.83E-10	1.19E-08	3.84E-09	6.55E-09	4.86E-10	1.09E-08	2.18E-09	3.61E-09	1.20E-10	5.92E-09
731	743664.4	4108781.8	2.52E-08	4.59E-08	2.52E-09	7.35E-08	3.90E-09	7.52E-09	3.78E-10	1.18E-08	3.79E-09	6.47E-09	4.80E-10	1.07E-08	2.16E-09	3.57E-09	1.18E-10	5.84E-09
732	744110.53	4108747.02	1.97E-08	3.60E-08	1.98E-09	5.77E-08	3.06E-09	5.90E-09	2.96E-10	9.25E-09	2.98E-09	5.07E-09	3.76E-10	8.43E-09	1.69E-09	2.80E-09	9.28E-11	4.58E-09
733	744115.27	4108770.95	1.98E-08	3.61E-08	1.98E-09	5.79E-08	3.07E-09	5.92E-09	2.97E-10	9.29E-09	2.99E-09	5.09E-09	3.78E-10	8.46E-09	1.70E-09	2.81E-09	9.31E-11	4.60E-09
734	744120.01	4108794.88	1.99E-08	3.62E-08	1.99E-09	5.81E-08	3.08E-09	5.94E-09	2.98E-10	9.32E-09	3.00E-09	5.11E-09	3.79E-10	8.48E-09	1.70E-09	2.82E-09	9.34E-11	4.61E-09
735	744124.74	4108818.81	1.99E-08	3.63E-08	1.99E-09	5.81E-08	3.09E-09	5.94E-09	2.99E-10	9.33E-09	3.00E-09	5.11E-09	3.79E-10	8.49E-09	1.70E-09	2.82E-09	9.35E-11	4.62E-09
736	744129.48	4108842.74	1.99E-08	3.62E-08	1.99E-09	5.81E-08	3.08E-09	5.94E-09	2.98E-10	9.32E-09	3.00E-09	5.11E-09	3.79E-10	8.49E-09	1.70E-09	2.82E-09	9.34E-11	4.62E-09
737	744134.21	4108866.67	1.98E-08	3.61E-08	1.98E-09	5.79E-08	3.07E-09	5.92E-09	2.97E-10	9.29E-09	2.99E-09	5.09E-09	3.78E-10	8.46E-09	1.70E-09	2.81E-09	9.31E-11	4.60E-09
738	744138.95	4108890.6	1.97E-08	3.59E-08	1.97E-09	5.75E-08	3.05E-09	5.88E-09	2.96E-10	9.23E-09	2.97E-09	5.06E-09	3.75E-10	8.41E-09	1.69E-09	2.79E-09	9.25E-11	4.57E-09
739	744143.69	4108914.53	1.95E-08	3.55E-08	1.95E-09	5.70E-08	3.03E-09	5.83E-09	2.93E-10	9.15E-09	2.94E-09	5.01E-09	3.72E-10	8.33E-09	1.67E-09	2.77E-09	9.17E-11	4.53E-09
740	744148.42	4108938.45	1.93E-08	3.51E-08	1.93E-09	5.63E-08	2.99E-09	5.75E-09	2.89E-10	9.03E-09	2.90E-09	4.95E-09	3.67E-10	8.22E-09	1.65E-09	2.73E-09	9.05E-11	4.47E-09
741	744153.16	4108962.38	1.89E-08	3.45E-08	1.90E-09	5.54E-08	2.94E-09	5.66E-09	2.84E-10	8.88E-09	2.86E-09	4.87E-09	3.61E-10	8.09E-09	1.62E-09	2.69E-09	8.90E-11	4.40E-09
742	744157.89	4108986.31	1.86E-08	3.39E-08	1.86E-09	5.43E-08	2.88E-09	5.55E-09	2.79E-10	8.71E-09	2.80E-09	4.78E-09	3.54E-10	7.93E-09	1.59E-09	2.63E-09	8.73E-11	4.31E-09
743	744162.63	4109010.24	1.82E-08	3.31E-08	1.82E-09	5.31E-08	2.82E-09	5.43E-09	2.73E-10	8.51E-09	2.74E-09	4.67E-09	3.46E-10	7.75E-09	1.56E-09	2.57E-09	8.53E-11	4.22E-09
744	744167.36	4109034.17	1.77E-08	3.23E-08	1.77E-09	5.17E-08	2.75E-09	5.29E-09	2.66E-10	8.30E-09	2.67E-09	4.55E-09	3.37E-10	7.56E-09	1.52E-09	2.51E-09	8.32E-11	4.11E-09
745	744172.1	4109058.1	1.72E-08	3.14E-08	1.72E-09	5.04E-08	2.67E-09	5.15E-09	2.59E-10	8.08E-09	2.60E-09	4.43E-09	3.28E-10	7.36E-09	1.48E-09	2.44E-09	8.10E-11	4.00E-09
746	744176.84	4109082.03	1.67E-08	3.05E-08	1.68E-09	4.89E-08	2.60E-09	5.00E-09	2.51E-10	7.85E-09	2.53E-09	4.30E-09	3.19E-10	7.15E-09	1.43E-09	2.37E-09	7.87E-11	3.89E-09
747	744181.57	4109105.96	1.63E-08	2.96E-08	1.63E-09	4.75E-08	2.52E-09	4.86E-09	2.44E-10	7.62E-09	2.45E-09	4.18E-09	3.10E-10	6.94E-09	1.39E-09	2.30E-09	7.64E-11	3.77E-09
748	744186.31	4109129.89	1.58E-08	2.87E-08	1.58E-09	4.61E-08	2.45E-09	4.71E-09	2.37E-10	7.39E-09	2.38E-09	4.05E-09	3.01E-10	6.73E-09	1.35E-09	2.24E-09	7.41E-11	3.66E-09
749	744191.04	4109153.81	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.17E-09	2.31E-09	3.93E-09	2.92E-10	6.53E-09	1.31E-09	2.17E-09	7.19E-11	3.55E-09
750	744195.78	4109177.74	1.48E-08	2.70E-08	1.49E-09	4.34E-08	2.30E-09	4.43E-09	2.23E-10	6.96E-09	2.24E-09	3.82E-09	2.83E-10	6.34E-09	1.27E-09	2.10E-09	6.98E-11	3.45E-09
751	744200.52	4109201.67	1.44E-08	2.63E-08	1.44E-09	4.21E-08	2.24E-09	4.31E-09	2.16E-10	6.76E-09	2.17E-09	3.71E-09	2.75E-10	6.15E-09	1.24E-09	2.04E-09	6.78E-11	3.35E-09
752	744205.25	4109225.6	1.40E-08	2.56E-08	1.40E-09	4.10E-08	2.17E-09	4.19E-09	2.10E-10	6.58E-09	2.11E-09	3.61E-09	2.67E-10	5.99E-09	1.20E-09	1.99E-09	6.59E-11	3.26E-09
753	744209.99	4109249.53	1.37E-08	2.49E-08	1.37E-09	3.99E-08	2.12E-09	4.08E-09	2.05E-10	6.41E-09	2.06E-09	3.51E-09	2.61E-10	5.84E-09	1.17E-09	1.94E-09	6.42E-11	3.17E-09
754	744214.72	4109273.46	1.34E-08	2.44E-08	1.34E-09	3.91E-08	2.07E-09	3.99E-09	2.01E-10	6.27E-09	2.02E-09	3.44E-09	2.55E-10	5.71E-09	1.15E-09	1.90E-09	6.28E-11	3.10E-09
755	744219.46	4109297.39	1.31E-08	2.39E-08	1.31E-09	3.84E-08	2.04E-09	3.92E-09	1.97E-10	6.15E-09	1.98E-09	3.37E-09	2.50E-10	5.60E-09	1.12E-09	1.86E-09	6.17E-11	3.05E-09
756	744224.2	4109321.32	1.29E-08	2.36E-08	1.30E-09	3.78E-08	2.01E-09	3.87E-09	1.94E-10	6.07E-09	1.95E-09	3.33E-09	2.47E-10	5.53E-09	1.11E-09	1.84E-09	6.08E-11	3.01E-09
757	744228.93	4109345.25	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.84E-09	1.93E-10	6.02E-09	1.94E-09	3.30E-09	2.45E-10	5.48E-09	1.10E-09	1.82E-09	6.03E-11	2.98E-09
758	744233.67	4109369.17	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.98E-09	3.82E-09	1.92E-10	6.00E-09	1.93E-09	3.29E-09	2.44E-10	5.46E-09	1.10E-09	1.81E-09	6.01E-11	2.97E-09
759	744238.4	4109393.1	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.98E-09	3.82E-09	1.92E-10	6.00E-09	1.93E-09	3.29E-09	2.44E-10	5.46E-09	1.10E-09	1.81E-09	6.02E-11	2.97E-09
760	744243.14	4109417.03	1.29E-08	2.34E-08	1.29E-09	3.76E-08	1.99E-09	3.84E-09	1.93E-10	6.03E-09	1.94E-09	3.31E-09	2.45E-10	5.49E-09	1.10E-09	1.82E-09	6.04E-11	2.99E-09
761	744247.88	4109440.96	1.29E-08	2.36E-08	1.30E-09	3.78E-08	2.01E-09	3.87E-09	1.94E-10	6.07E-09	1.95E-09	3.33E-09	2.47E-10	5.53E-09	1.11E-09	1.84E-09	6.09E-11	3.01E-09
762	744252.61	4109464.89	1.31E-08	2.38E-08	1.31E-09	3.82E-08	2.02E-09	3.90E-09	1.96E-10	6.12E-09	1.97E-09	3.36E-09	2.49E-10	5.57E-09	1.12E-09	1.85E-09	6.14E-11	3.03E-09
763	744257.35	4109488.82	1.32E-08	2.40E-08	1.32E-09	3.85E-08	2.04E-09	3.93E-09	1.98E-10	6.17E-09	1.98E-09	3.38E-09	2.51E-10	5.62E-09	1.13E-09	1.87E-09	6.18E-11	3.06E-09
764	744262.08	4109512.75	1.32E-08	2.41E-08	1.33E-09	3.87E-08	2.05E-09	3.96E-09	1.99E-10	6.21E-09	2.00E-09	3.41E-09	2.52E-10	5.66E-09	1.14E-09	1.88E-09	6.23E-11	3.08E-09
765	744266.82	4109536.68	1.33E-08	2.42E-08	1.33E-09	3.89E-08	2.06E-09	3.97E-09	2.00E-10	6.23E-09	2.01E-09	3.42E-09	2.53E-10	5.68E-09	1.14E-09	1.89E-09	6.25E-11	3.09E-09
766	744271.55	4109560.61	1.33E-08	2.42E-08	1.33E-09	3.89E-08	2.06E-09	3.97E-09	2.00E-10	6.24E-09	2.01E-09	3.42E-09	2.53E-10	5.68E-09	1.14E-09	1.89E-09	6.25E-11	3.09E-09
767	744276.29	4109584.53	1.33E-08	2.42E-08	1.33E-09	3.88E-08	2.06E-09	3.96E-09	1.99E-10	6.22E-09	2.00E-09	3.41E-09	2.53E-10	5.66E-09	1.14E-09	1.88E-09	6.23E-11	3.08E-09
768	744281.03	4109608.46	1.32E-08	2.40E-08	1.32E-09	3.85E-08	2.04E-09	3.94E-09	1.98E-10	6.18E-09	1.99E-09	3.39E-09	2.51E-10	5.63E-09	1.13E-09	1.87E-09	6.19E-11	3.06E-09
769	744285.76	4109632.39	1.30E-08	2.38E-08	1.30E-09	3.81E-08	2.02E-09	3.89E-09	1.96E-10	6.11E-09	1.97E-09	3.35E-09	2.48E-10	5.56E-09	1.12E-09	1.85E-09	6.13E-11	3.03E-09
770	744290.5	4109656.32	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.83E-09	1.93E-10	6.02E-09	1.94E-09	3.30E-09	2.45E-10	5.48E-09	1.10E-09	1.82E-09	6.03E-11	2.98E-09
771	744295.23	4109680.25	1.26E-08	2.29E-08	1.26E-09	3.68E-08	1.95E-09	3.76E-09	1.89E-10	5.90E-09	1.90E-09	3.24E-09	2.40E-10	5.37E-09	1.08E-09	1.78E-09	5.92E-11	2.92E-09
772	744299.97	4109704.18	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.77E-09	1.86E-09	3.17E-09	2.35E-10	5.26E-09	1.05E-09	1.75E-09	5.79E-11	2.86E-09
773	744304.71	4109728.11	1.20E-08	2.19E-08	1.20E-09	3.51E-08	1.86E-09	3.59E-09	1.80E-10	5.64E-09	1.81E-09	3.09E-09	2.29E-10	5.13E-09	1.03E-09	1.70E-09	5.65E-11	2.79E-09
774	744309.44	4109752.04	1.17E-08	2.14E-08	1.17E-09	3.43E-08	1.82E-09	3.50E-09	1.76E-10	5.50E-09	1.77E-09	3.02E-09	2.24E-10	5.01E-09	1.01E-09	1.66E-09	5.51E-11	2.72E-09
775	744314.18	4109775.97	1.14E-08	2.08E-08	1.14E-09	3.34E-08	1.77E-09	3.42E-09	1.72E-10	5.36E-09	1.72E-09	2.94E-09	2.18E-10	4.88E-09	9.80E-10	1.62E-09	5.38E-11	2.66E-09
776	744318.91	4109799.89	1.12E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.33E-09	1.67E-10	5.23E-09	1.68E-09	2.87E-09	2.13E-10	4.76E-09	9.56E-10	1.58E-09	5.24E-11	2.59E-09
777	744323.65	4109823.82	1.09E-08	1.98E-08	1.09E-09	3.18E-08	1.69E-09	3.25E-09	1.63E-10	5.10E-09	1.64E-09	2.80E-09	2.07E-10	4.65E-09	9.32E-10	1.54E-09	5.11E-11	2.53E-09
778	744328.39	4109847.75	1.06E-08	1.93E-08	1.06E-09	3.10E-08	1.65E-09	3.17E-09	1.59E-10	4.98E-09	1.60E-09	2.73E-09	2.02E-10	4.53E-09	9.09E-10	1.50E-09	4.99E-11	2.46E-09
779	744333.12	4109871.68	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.09E-09	1.55E-10	4.86E-09	1.56E-09	2.66E-09	1.97E-10	4.42E-09	8.88E-10	1.47E-09	4.87E-11	2.41E-09
780	744337.86	4109895.61	1.01E-08	1.84E-08	1.01E-09	2.96E-08	1.57E-09	3.02E-09	1.52E-10	4.75E-09	1.53E-09	2.60E-09	1.93E-10	4.32E-09	8.67E-10	1.44E-09	4.76E-11	2.35E-09
781	744342.59	4109919.54	9.90E-09	1.80E-08	9.91E-10	2.89E-08	1.54E-09	2.96E-09	1.49E-10	4.64E-09	1.49E-09	2.55E-09	1.89E-10	4.23E-09	8.49E-10	1.40E-09	4.65E-11	2.30E-09
782	744347.33	4109943.47	9.70E-09	1.77E-08	9.70E-10	2.83E-08	1.50E-09	2.90E-09	1.46E-10	4.55E-09	1.46E-09	2.49E-09	1.85E-10	4.14E-09	8.31E-10	1.38E-09	4.56E-11	2.25E-09
783	744352.06	4109967.4	9.51E-09	1.73E-08	9.51E-10	2.78E-08	1.47E-09	2.84E-09	1.43E-10	4.46E-09	1.43E-09	2.44E-09	1.81E-10	4.06E-09	8.15E-10	1.35E-09	4.47E-11	2.21E-09
784	744356.8	4109991.33	9.33E-09	1.70E-08	9.34E-10	2.73E-08	1.45E-09	2.79E-09	1.40E-10	4.37E-09	1.41E-09	2.40E-09	1.78E-10	3.98E-09	7.99E-10	1.32E-09	4.38E-11	2.17E-09
785	744361.54	4110015.25	9.17E-09	1.67E-08	9.17E-10	2.68E-08	1.42E-09	2.74E-09	1.38E-10	4.30E-09	1.38E-09	2.36E-09	1.75E-10	3.91E-09	7.85E-10	1.30E-09	4.31E-11	2.13E-09
786	744366.27	4110039.18	9.02E-09	1.64E-08	9.02E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.23E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.73E-10	1.28E-09	4.24E-11	2.09E-09
787	744371.01	4110063.11	8.88E-09	1.62E-08	8.88E-10	2.59E-08	1.38E-09	2.65E-09	1.33E-10	4.16E-09	1.34E-09	2.28E-09	1.69E-10	3.79E-09	7.61E-10	1.26E-09	4.17E-11	2.06E-09
788	744375.74	4110087.04	8.75E-09	1.60E-08	8.76E-10	2.56E-08	1.36E-09	2.62E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.50E-10	1.24E-09	4.11E-11	2.03E-09
789	744380.48	4110110.97	8.64E-09	1.57E-08	8.65E-10	2.53E-08	1.34E-09	2.58E-09	1.30E-10	4.05E-09	1.30E-09	2.22E-09	1.65E-10	3.69E-09	7.41E-10	1.23E-09	4.06E-11	2.01E-09
790	744385.22	4110134.9	8.54E-09	1.56E-08	8.55E-10	2.50E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.32E-10	1.21E-09	4.01E-11	1.98E-09
791	744389.95	4110158.83	8.45E-09	1.54E-08	8.45E-10	2.47E-08	1.31E-09	2.52E-09	1.27E-10	3.96E-09	1.27E-09	2.17E-09	1.61E-10	3.61E-09	7.24E-10	1.20E-09	3.97E-11	1.96E-09
792	744394.69	4110182.76	8.37E-09	1.52E-08	8.37E-10	2.44E-08	1.30E-09	2.50E-09	1.26E-10	3.92E-09	1.26E-09	2.15E-09	1.59E-10	3.57E-09	7.17E-10	1.19E-09	3.93E-11	1.94E-09
793	744399.42	4110206.69	8.29E-09	1.51E-08	8.29E-10	2.42E-08	1.29E-09	2.48E-09	1.24E-10	3.89E-09	1.25E-09	2.13E-09	1.58E-10	3.54E-09	7.10E-10	1.18E-09	3.89E-11	1.92E-09
794	744404.16	4110230.61	8.21E-09	1.50E-08	8.22E-10	2.40E-08	1.27E-09	2.45E-09	1.23E-10	3.85E-09	1.24E-09	2.11E-09	1.57E-10	3.51E-09	7.04E-10	1.16E-09	3.86E-11	1.91E-09
795	744408.9	4110254.54	8.14E-09	1.48E-08	8.15E-10	2.38E-08	1.26E-09	2.43E-09	1.22E-10	3.82E-09	1.23E-09	2.09E-09	1.55E-10	3.48E-09	6.98E-10	1.15E-09	3.83E-11	1.89E-09
796	744413.63	4110278.47	8.07E-09	1.47E-08	8.08E-10	2.36E-08	1.25E-09	2.41E-09	1.21E-10	3.78E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.92E-10	1.14E-09	3.79E-11	1.87E-09
797	744418.37	4110302.4	8.00E-09	1.46E-08	8.01E-10	2.34E-08	1.24E-09	2.39E-09	1.20E-10	3.75E-09	1.21E-09	2.06E-09	1.53E-10	3.42E-09	6.86E-10	1.13E-09	3.76E-11	1.86E-09

798	744423.1	4110326.33	7.94E-09	1.45E-08	7.94E-10	2.32E-08	1.23E-09	2.37E-09	1.19E-10	3.72E-09	1.20E-09	2.04E-09	1.51E-10	3.39E-09	6.80E-10	1.13E-09	3.73E-11	1.84E-09
799	744427.84	4110350.26	7.87E-09	1.43E-08	7.87E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.69E-09	1.19E-09	2.02E-09	1.50E-10	3.36E-09	6.74E-10	1.12E-09	3.70E-11	1.83E-09
800	744432.58	4110374.19	7.80E-09	1.42E-08	7.81E-10	2.28E-08	1.21E-09	2.33E-09	1.17E-10	3.66E-09	1.18E-09	2.01E-09	1.49E-10	3.33E-09	6.69E-10	1.11E-09	3.67E-11	1.81E-09
801	744437.31	4110398.12	7.74E-09	1.41E-08	7.74E-10	2.26E-08	1.20E-09	2.31E-09	1.16E-10	3.63E-09	1.17E-09	1.99E-09	1.47E-10	3.30E-09	6.63E-10	1.10E-09	3.64E-11	1.80E-09
802	744442.05	4110422.04	7.68E-09	1.40E-08	7.68E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.60E-09	1.16E-09	1.97E-09	1.46E-10	3.28E-09	6.58E-10	1.09E-09	3.61E-11	1.78E-09
803	744433.25	4110466.27	7.65E-09	1.39E-08	7.66E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.59E-09	1.15E-09	1.97E-09	1.46E-10	3.27E-09	6.56E-10	1.09E-09	3.60E-11	1.78E-09
804	744419.72	4110486.56	7.70E-09	1.40E-08	7.70E-10	2.25E-08	1.19E-09	2.30E-09	1.16E-10	3.61E-09	1.16E-09	1.98E-09	1.47E-10	3.29E-09	6.59E-10	1.09E-09	3.62E-11	1.79E-09
805	744406.18	4110506.86	7.75E-09	1.41E-08	7.75E-10	2.26E-08	1.20E-09	2.31E-09	1.16E-10	3.63E-09	1.17E-09	1.99E-09	1.48E-10	3.31E-09	6.64E-10	1.10E-09	3.64E-11	1.80E-09
806	744392.65	4110527.15	7.80E-09	1.42E-08	7.81E-10	2.28E-08	1.21E-09	2.33E-09	1.17E-10	3.66E-09	1.18E-09	2.01E-09	1.49E-10	3.33E-09	6.69E-10	1.11E-09	3.67E-11	1.81E-09
807	744379.12	4110547.45	7.87E-09	1.43E-08	7.88E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.69E-09	1.19E-09	2.02E-09	1.50E-10	3.36E-09	6.75E-10	1.12E-09	3.70E-11	1.83E-09
808	744365.59	4110567.74	7.95E-09	1.45E-08	7.96E-10	2.32E-08	1.23E-09	2.38E-09	1.19E-10	3.73E-09	1.20E-09	2.04E-09	1.52E-10	3.39E-09	6.81E-10	1.13E-09	3.74E-11	1.85E-09
809	744352.05	4110588.04	8.04E-09	1.47E-08	8.05E-10	2.35E-08	1.25E-09	2.40E-09	1.21E-10	3.77E-09	1.21E-09	2.07E-09	1.53E-10	3.43E-09	6.89E-10	1.14E-09	3.78E-11	1.87E-09
810	744338.52	4110608.33	8.14E-09	1.48E-08	8.14E-10	2.38E-08	1.26E-09	2.43E-09	1.22E-10	3.81E-09	1.23E-09	2.09E-09	1.55E-10	3.47E-09	6.97E-10	1.15E-09	3.82E-11	1.89E-09
811	744324.99	4110628.63	8.24E-09	1.50E-08	8.24E-10	2.41E-08	1.28E-09	2.46E-09	1.24E-10	3.86E-09	1.24E-09	2.12E-09	1.57E-10	3.52E-09	7.06E-10	1.17E-09	3.87E-11	1.91E-09
812	744311.45	4110648.92	8.34E-09	1.52E-08	8.34E-10	2.44E-08	1.29E-09	2.49E-09	1.25E-10	3.91E-09	1.26E-09	2.14E-09	1.59E-10	3.56E-09	7.14E-10	1.18E-09	3.92E-11	1.94E-09
813	744297.92	4110669.22	8.44E-09	1.54E-08	8.44E-10	2.47E-08	1.31E-09	2.52E-09	1.27E-10	3.96E-09	1.27E-09	2.17E-09	1.61E-10	3.60E-09	7.23E-10	1.20E-09	3.97E-11	1.96E-09
814	744284.39	4110689.51	8.53E-09	1.55E-08	8.53E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.19E-09	1.63E-10	3.64E-09	7.31E-10	1.21E-09	4.01E-11	1.98E-09
815	744270.86	4110709.81	8.61E-09	1.57E-08	8.61E-10	2.52E-08	1.33E-09	2.57E-09	1.29E-10	4.04E-09	1.30E-09	2.21E-09	1.64E-10	3.68E-09	7.38E-10	1.22E-09	4.05E-11	2.00E-09
816	744257.32	4110730.1	8.67E-09	1.58E-08	8.68E-10	2.53E-08	1.35E-09	2.59E-09	1.30E-10	4.07E-09	1.31E-09	2.23E-09	1.65E-10	3.70E-09	7.43E-10	1.23E-09	4.08E-11	2.01E-09
817	744243.79	4110750.4	8.72E-09	1.59E-08	8.72E-10	2.55E-08	1.35E-09	2.60E-09	1.31E-10	4.09E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.47E-10	1.24E-09	4.10E-11	2.02E-09
818	744230.26	4110770.69	8.74E-09	1.59E-08	8.74E-10	2.55E-08	1.36E-09	2.61E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.73E-09	7.49E-10	1.24E-09	4.11E-11	2.03E-09
819	744216.72	4110790.99	8.73E-09	1.59E-08	8.73E-10	2.55E-08	1.35E-09	2.61E-09	1.31E-10	4.09E-09	1.32E-09	2.24E-09	1.66E-10	3.73E-09	7.48E-10	1.24E-09	4.10E-11	2.03E-09
820	744203.19	4110811.28	8.69E-09	1.58E-08	8.70E-10	2.54E-08	1.35E-09	2.60E-09	1.30E-10	4.08E-09	1.31E-09	2.23E-09	1.66E-10	3.71E-09	7.45E-10	1.23E-09	4.09E-11	2.02E-09
821	744189.66	4110831.58	8.63E-09	1.57E-08	8.63E-10	2.52E-08	1.34E-09	2.58E-09	1.30E-10	4.05E-09	1.30E-09	2.22E-09	1.64E-10	3.68E-09	7.39E-10	1.22E-09	4.06E-11	2.00E-09
822	744176.13	4110851.87	8.54E-09	1.56E-08	8.54E-10	2.50E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.32E-10	1.21E-09	4.01E-11	1.98E-09
823	744162.59	4110872.17	8.42E-09	1.53E-08	8.42E-10	2.46E-08	1.31E-09	2.52E-09	1.26E-10	3.95E-09	1.27E-09	2.16E-09	1.60E-10	3.59E-09	7.21E-10	1.19E-09	3.96E-11	1.95E-09
824	744149.06	4110892.46	8.28E-09	1.51E-08	8.28E-10	2.42E-08	1.28E-09	2.47E-09	1.24E-10	3.88E-09	1.25E-09	2.13E-09	1.58E-10	3.53E-09	7.09E-10	1.17E-09	3.89E-11	1.92E-09
825	744135.53	4110912.76	8.12E-09	1.48E-08	8.13E-10	2.37E-08	1.26E-09	2.43E-09	1.22E-10	3.81E-09	1.22E-09	2.09E-09	1.55E-10	3.47E-09	6.96E-10	1.15E-09	3.82E-11	1.89E-09
826	744121.99	4110933.05	7.96E-09	1.45E-08	7.96E-10	2.32E-08	1.23E-09	2.38E-09	1.19E-10	3.73E-09	1.20E-09	2.05E-09	1.52E-10	3.40E-09	6.82E-10	1.13E-09	3.74E-11	1.85E-09
827	744108.46	4110953.35	7.78E-09	1.42E-08	7.79E-10	2.27E-08	1.21E-09	2.32E-09	1.17E-10	3.65E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.67E-10	1.10E-09	3.66E-11	1.81E-09
828	744094.93	4110973.64	7.61E-09	1.39E-08	7.61E-10	2.22E-08	1.18E-09	2.27E-09	1.14E-10	3.57E-09	1.15E-09	1.96E-09	1.45E-10	3.25E-09	6.52E-10	1.08E-09	3.57E-11	1.77E-09
829	744081.4	4110993.93	7.44E-09	1.36E-08	7.44E-10	2.17E-08	1.15E-09	2.22E-09	1.12E-10	3.49E-09	1.12E-09	1.91E-09	1.42E-10	3.18E-09	6.37E-10	1.05E-09	3.50E-11	1.73E-09
830	744067.86	4111014.23	7.28E-09	1.33E-08	7.28E-10	2.13E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.24E-10	1.03E-09	3.42E-11	1.69E-09
831	744054.33	4111034.52	7.13E-09	1.30E-08	7.14E-10	2.08E-08	1.11E-09	2.13E-09	1.07E-10	3.34E-09	1.08E-09	1.83E-09	1.36E-10	3.05E-09	6.11E-10	1.01E-09	3.35E-11	1.66E-09
832	744040.8	4111054.82	7.00E-09	1.28E-08	7.01E-10	2.05E-08	1.09E-09	2.09E-09	1.05E-10	3.28E-09	1.06E-09	1.80E-09	1.33E-10	2.99E-09	6.00E-10	9.93E-10	3.29E-11	1.63E-09
833	744027.26	4111075.11	6.89E-09	1.26E-08	6.89E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.90E-10	9.77E-10	3.24E-11	1.60E-09
834	744013.73	4111095.41	6.79E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.02E-09	1.75E-09	1.29E-10	2.90E-09	5.82E-10	9.63E-10	3.19E-11	1.58E-09
835	744000.2	4111115.7	6.72E-09	1.22E-08	6.72E-10	1.96E-08	1.04E-09	2.01E-09	1.01E-10	3.15E-09	1.01E-09	1.73E-09	1.28E-10	2.87E-09	5.76E-10	9.52E-10	3.16E-11	1.56E-09
836	743986.67	4111136	6.65E-09	1.21E-08	6.66E-10	1.94E-08	1.03E-09	1.99E-09	9.99E-11	3.12E-09	1.00E-09	1.71E-09	1.27E-10	2.84E-09	5.70E-10	9.43E-10	3.13E-11	1.54E-09
837	743973.13	4111156.29	6.60E-09	1.20E-08	6.61E-10	1.93E-08	1.02E-09	1.97E-09	9.91E-11	3.10E-09	9.96E-10	1.70E-09	1.26E-10	2.82E-09	5.66E-10	9.36E-10	3.10E-11	1.53E-09
838	743959.6	4111176.59	6.56E-09	1.20E-08	6.57E-10	1.92E-08	1.02E-09	1.96E-09	9.85E-11	3.08E-09	9.90E-10	1.69E-09	1.25E-10	2.80E-09	5.63E-10	9.31E-10	3.09E-11	1.52E-09
839	743946.07	4111196.88	6.54E-09	1.19E-08	6.54E-10	1.91E-08	1.01E-09	1.95E-09	9.81E-11	3.06E-09	9.86E-10	1.68E-09	1.25E-10	2.79E-09	5.60E-10	9.27E-10	3.07E-11	1.52E-09
840	743932.53	4111217.18	6.52E-09	1.19E-08	6.52E-10	1.90E-08	1.01E-09	1.95E-09	9.78E-11	3.06E-09	9.83E-10	1.68E-09	1.24E-10	2.78E-09	5.58E-10	9.24E-10	3.06E-11	1.51E-09
841	743919	4111237.47	6.50E-09	1.19E-08	6.51E-10	1.90E-08	1.01E-09	1.94E-09	9.76E-11	3.05E-09	9.81E-10	1.67E-09	1.24E-10	2.78E-09	5.57E-10	9.22E-10	3.06E-11	1.51E-09
842	743905.47	4111257.77	6.50E-09	1.18E-08	6.50E-10	1.90E-08	1.01E-09	1.94E-09	9.75E-11	3.05E-09	9.80E-10	1.67E-09	1.24E-10	2.77E-09	5.57E-10	9.21E-10	3.05E-11	1.51E-09
843	743891.94	4111278.06	6.50E-09	1.18E-08	6.50E-10	1.90E-08	1.01E-09	1.94E-09	9.75E-11	3.05E-09	9.79E-10	1.67E-09	1.24E-10	2.77E-09	5.57E-10	9.21E-10	3.05E-11	1.51E-09
844	743878.4	4111298.36	6.50E-09	1.18E-08	6.51E-10	1.90E-08	1.01E-09	1.94E-09	9.76E-11	3.05E-09	9.80E-10	1.67E-09	1.24E-10	2.78E-09	5.57E-10	9.22E-10	3.06E-11	1.51E-09
845	743864.87	4111318.65	6.51E-09	1.19E-08	6.52E-10	1.90E-08	1.01E-09	1.95E-09	9.77E-11	3.05E-09	9.82E-10	1.67E-09	1.24E-10	2.78E-09	5.58E-10	9.23E-10	3.06E-11	1.51E-09
846	743851.34	4111338.95	6.53E-09	1.19E-08	6.54E-10	1.91E-08	1.01E-09	1.95E-09	9.81E-11	3.06E-09	9.85E-10	1.68E-09	1.25E-10	2.79E-09	5.60E-10	9.27E-10	3.07E-11	1.52E-09
847	743837.8	4111359.24	6.57E-09	1.20E-08	6.57E-10	1.92E-08	1.02E-09	1.96E-09	9.86E-11	3.08E-09	9.90E-10	1.69E-09	1.25E-10	2.80E-09	5.63E-10	9.31E-10	3.09E-11	1.52E-09
848	743824.27	4111379.54	6.61E-09	1.20E-08	6.62E-10	1.93E-08	1.03E-09	1.98E-09	9.92E-11	3.10E-09	9.97E-10	1.70E-09	1.26E-10	2.82E-09	5.67E-10	9.38E-10	3.11E-11	1.54E-09
849	743810.74	4111399.83	6.67E-09	1.22E-08	6.67E-10	1.95E-08	1.03E-09	1.99E-09	1.00E-10	3.13E-09	1.01E-09	1.71E-09	1.27E-10	2.85E-09	5.71E-10	9.45E-10	3.13E-11	1.55E-09
850	743797.2	4111420.13	6.74E-09	1.23E-08	6.74E-10	1.97E-08	1.04E-09	2.01E-09	1.01E-10	3.16E-09	1.02E-09	1.73E-09	1.28E-10	2.88E-09	5.77E-10	9.55E-10	3.17E-11	1.56E-09
851	743783.67	4111440.42	6.82E-09	1.24E-08	6.82E-10	1.99E-08	1.06E-09	2.04E-09	1.02E-10	3.20E-09	1.03E-09	1.75E-09	1.30E-10	2.91E-09	5.84E-10	9.66E-10	3.20E-11	1.58E-09
852	743770.14	4111460.72	6.90E-09	1.26E-08	6.90E-10	2.02E-08	1.07E-09	2.06E-09	1.04E-10	3.24E-09	1.04E-09	1.77E-09	1.31E-10	2.95E-09	5.91E-10	9.78E-10	3.24E-11	1.60E-09
853	743756.61	4111481.01	6.99E-09	1.27E-08	7.00E-10	2.04E-08	1.08E-09	2.09E-09	1.05E-10	3.28E-09	1.05E-09	1.80E-09	1.33E-10	2.98E-09	5.99E-10	9.91E-10	3.29E-11	1.62E-09
854	743743.07	4111501.31	7.08E-09	1.29E-08	7.08E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.07E-10	1.00E-09	3.33E-11	1.64E-09
855	743729.54	4111521.6	7.16E-09	1.31E-08	7.17E-10	2.09E-08	1.11E-09	2.14E-09	1.08E-10	3.36E-09	1.08E-09	1.84E-09	1.36E-10	3.06E-09	6.14E-10	1.02E-09	3.37E-11	1.66E-09
856	743716.01	4111541.9	7.23E-09	1.32E-08	7.24E-10	2.11E-08	1.12E-09	2.16E-09	1.09E-10	3.39E-09	1.09E-09	1.86E-09	1.38E-10	3.09E-09	6.20E-10	1.03E-09	3.40E-11	1.68E-09
857	743702.47	4111562.19	7.28E-09	1.33E-08	7.29E-10	2.13E-08	1.13E-09	2.18E-09	1.09E-10	3.42E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.24E-10	1.03E-09	3.42E-11	1.69E-09
858	743688.94	4111582.49	7.31E-09	1.33E-08	7.32E-10	2.14E-08	1.13E-09	2.18E-09	1.10E-10	3.43E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.27E-10	1.04E-09	3.44E-11	1.70E-09
859	743675.41	4111602.78	7.31E-09	1.33E-08	7.32E-10	2.14E-08	1.13E-09	2.18E-09	1.10E-10	3.43E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.27E-10	1.04E-09	3.44E-11	1.70E-09
860	743661.88	4111623.08	7.28E-09	1.33E-08	7.28E-10	2.13E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.24E-10	1.03E-09	3.42E-11	1.69E-09
861	743648.34	4111643.37	7.21E-09	1.31E-08	7.21E-10	2.11E-08	1.12E-09	2.15E-09	1.08E-10	3.38E-09	1.09E-09	1.85E-09	1.37E-10	3.08E-09	6.18E-10	1.02E-09	3.39E-11	1.67E-09
862	743634.81	4111663.67	7.10E-09	1.29E-08	7.11E-10	2.08E-08	1.10E-09	2.12E-09	1.07E-10	3.33E-09	1.07E-09	1.83E-09	1.35E-10	3.03E-09	6.09E-10	1.01E-09	3.34E-11	1.65E-09
863	743621.28	4111683.96	6.96E-09	1.27E-08	6.97E-10	2.03E-08	1.08E-09	2.08E-09	1.04E-10	3.26E-09	1.05E-09	1.79E-09	1.33E-10	2.97E-09	5.96E-10	9.87E-10	3.27E-11	1.62E-09
864	743607.74	4111704.25	6.78E-09	1.24E-08	6.79E-10	1.98E-08	1.05E-09	2.03E-09	1.02E-10	3.18E-09	1.02E-09	1.74E-09	1.29E-10	2.90E-09	5.81E-10	9.62E-10	3.19E-11	1.57E-09
865	743594.21	4111724.55	6.58E-09	1.20E-08	6.58E-10	1.92E-08	1.02E-09	1.96E-09	9.87E-11	3.08E-09	9.92E-10	1.69E-09	1.25E-10	2.81E-09	5.63E-10	9.32E-10	3.09E-11	1.53E-09
866	743580.68	4111744.84	6.34E-09	1.15E-08	6.34E-10	1.85E-08	9.83E-10	1.89E-09	9.51E-11	2.97E-09	9.56E-10	1.63E-09	1.21E-10	2.71E-09	5.43E-10	8.98E-10	2.98E-11	1.47E-09
867	743567.15	4111765.14	6.08E-09	1.11E-08	6.08E-10	1.78E-08	9.43E-10	1.82E-09	9.13E-11	2.85E-09	9.17E-10	1.56E-09	1.16E-10	2.60E-09	5.21E-10	8.62E-10	2.86E-11	1.41E-09
868	743553.61	4111785.43	5.81E-09	1.06E-08	5.82E-10	1.70E-08	9.01E-10	1.74E-09	8.72E-11	2.73E-09	8.77E-10	1.49E-09	1.11E-10	2.48E-09	4.98E-10	8.24E-10	2.73E-11	1.35E-09
869	743540.08	4111805.73	5.54E-09	1.01E-08	5.54E-10	1.62E-08	8.59E-10	1.66E-09	8.32E-11	2.60E-09	8.36E-10	1.42E-09	1.06E-10	2.37E-09	4.75E-10	7.86E-10	2.60E-11	1.29E-09
870	743526.55	4111826.02	5.27E-09	9.61E-09	5.28E-10	1.54E-08	8.18E-10	1.58E-09	7.91E-11	2.47E-09	7.95E-10	1.36E-09	1.00E-10	2.25E-09	4.52E-10	7.48E-10	2.48E-11	1.22E-09
871	743513.01	4111846.32	5.02E-09	9.15E-09	5.02E-10	1.47E-08	7.78E-10	1.50E-09	7.53E-11	2.35E-09	7.57E-10	1.29E-09	9.56E-11	2.14E-09	4.30E-10	7.12E-10	2.36E-11	1.17E-09
872	743499.48	4111866.61	4.78E-09	8.71E-09	4.78E-10	1.40E-08	7.41E-10	1.43E-09	7.18E-11	2.24E-09	7.21E-10	1.23E-09	9.11E-11	2.04E-09	4.10E-10	6.78E-10	2.25E-11	1.11E-09
873	743485.95	4111886.91	4.57E-09	8.32E-09	4.57E-10	1.34E-08	7.08E-10	1.36E-09	6.86E-11	2.14E-09	6.89E-10	1.17E-09	8.71E-11	1.95E-09	3.91E-10	6.48E-10	2.15E-11	1.06E-09
874	744105.8	4108723.09	1.96E-08	3.58E-08	1.97E-09	5.74E-08	3.05E-09	5.87E-09	2.95E-10	9.21E-09	2.96E-09	5.05E-09	3.74E-10	8.39E-09	1.68E-09	2.79E-09	9.23E-11	4.56E-09
875	744092.25	4108702.73	1.97E-08	3.58E-08	1.97E-09	5.74E-08	3.05E-09	5.87E-09	2.95E-10	9.22E-09	2.96E-09	5.05E-09	3.75E-10	8.39E-09	1.68E-09	2.79E-09	9.24E-11	4.56E-09
876	744078.7	4108682.37	1.97E-08	3.58E-08	1.97E-09	5.74E-08	3.05E-09	5.87E-09	2.95E-10	9.21E-09	2.96E-09	5.05E-09	3.74E-10	8.39E-09	1.68E-09	2.79E-09	9.23E-11	4.56E-09
877	744065.15	4108662.01	1.96E-08	3.58E-08	1.96E-09	5.73E-08	3.04E-09	5.86E-09	2.94E-10	9.20E-09	2.96E-09	5.04E-09	3.74E-10	8.38E-09	1.68E-09	2.78E-09	9.22E-11	4.56E-09
878	744051.6	4108641.65	1.96E-08	3.57E-08	1.96E-09	5.72E-08	3.03E-09	5.85E-09	2.94E-10	9.18E-09	2.95E-09	5.03E-09	3.73E-10	8.35E-09	1.68E-09	2.77E-09	9.20E-11	4.54E-09
879	744038.05	4108621.29	1.95E-08	3.55E-08	1.95E-09	5.69E-08	3.02E-09	5.82E-09	2.92E-10	9.14E-09	2.94E-09	5.01E-09	3.71E-10	8.32E-09	1.67E-09	2.76E-09	9.16E-11	4.52E-09
880	744024.51	4108600.93	1.94E-08	3.53E-08	1.94E-09	5.66E-08	3.00E-09	5.79E-09	2.91E-10	9.08E-09	2.92E-09	4.98E-09	3.69E-10	8.27E-09	1.66E-09	2.75E-09	9.10E-11	4.50E-09
881	744010.96	4108580.57	1.92E-08	3.50E-08	1.92E-09	5.61E-08	2.98E-09	5.74E-09	2.88E-10	9.01E-09	2.90E-09	4.94E-09	3.66E-10	8.20E-09	1.65E-09	2.72E-09	9.03E-11	4.46E-09
882	743997.41	4108560.2	1.90E-08	3.47E-08	1.90E-09	5.56E-08	2.95E-09	5.68E-09	2.85E-10	8.92E-09	2.87E-09	4.89E-09	3.62E-10	8.12E-09	1.63E-09	2.70E-09	8.94E-11	4.42E-09
883	744443.52	4108525.3	1.56E-08	2.85E-08	1.56E-09	4.57E-08	2.42E-09	4.67E-09	2.35E-10	7.33E-09	2.36E-09	4.02E-09	2.98E-10	6.68E-09	1.34E-09	2.22E-09	7.35E-11	3.63E-09
884	744448.23	4108549.09	1.57E-08	2.86E-08	1.57E-09	4.59E-08	2.44E-09	4.69E-09	2.36E-10	7.36E-09	2.37E-09	4.04E-09	2.99E-10	6.70E-09	1.35E-09	2.23E-09	7.38E-11	3.65E-09
885	744452.94	4108572.89	1.58E-08	2.87E-08	1.58E-09	4.61E-08	2.44E-09	4.71E-09	2.37E-10	7.39E-09	2.38E-09	4.05E-09	3.00E-10	6.73E-09	1.35E-09	2.23E-09	7.41E-11	3.66E-09
886	744457.65	4108596.68	1.58E-08	2.88E-08	1.58E-09	4.62E-08	2.45E-09	4.72E-09	2.37E-10	7.41E-09	2.38E-09	4.06E-09	3.01E-10	6.75E-09	1.35E-09	2.24E-09	7.43E-11	3.67E-09

887	744462.36	4108620.47	1.58E-08	2.89E-08	1.59E-09	4.63E-08	2.46E-09	4.73E-09	2.38E-10	7.43E-09	2.39E-09	4.07E-09	3.02E-10	6.76E-09	1.36E-09	2.25E-09	7.45E-11	3.68E-09
888	744467.07	4108644.27	1.59E-08	2.89E-08	1.59E-09	4.63E-08	2.46E-09	4.74E-09	2.38E-10	7.43E-09	2.39E-09	4.08E-09	3.02E-10	6.77E-09	1.36E-09	2.25E-09	7.45E-11	3.68E-09
889	744471.77	4108668.06	1.58E-08	2.89E-08	1.59E-09	4.63E-08	2.46E-09	4.73E-09	2.38E-10	7.43E-09	2.39E-09	4.07E-09	3.02E-10	6.76E-09	1.36E-09	2.25E-09	7.45E-11	3.68E-09
890	744476.48	4108691.86	1.58E-08	2.88E-08	1.58E-09	4.62E-08	2.45E-09	4.72E-09	2.37E-10	7.41E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.67E-09
891	744481.19	4108715.65	1.57E-08	2.86E-08	1.57E-09	4.59E-08	2.44E-09	4.69E-09	2.36E-10	7.37E-09	2.37E-09	4.04E-09	2.99E-10	6.71E-09	1.35E-09	2.23E-09	7.38E-11	3.65E-09
892	744485.9	4108739.44	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.42E-09	4.65E-09	2.34E-10	7.30E-09	2.35E-09	4.00E-09	2.97E-10	6.65E-09	1.33E-09	2.21E-09	7.32E-11	3.62E-09
893	744490.61	4108763.24	1.54E-08	2.81E-08	1.54E-09	4.50E-08	2.39E-09	4.60E-09	2.31E-10	7.22E-09	2.32E-09	3.96E-09	2.94E-10	6.58E-09	1.32E-09	2.18E-09	7.24E-11	3.58E-09
894	744495.32	4108787.03	1.52E-08	2.77E-08	1.52E-09	4.44E-08	2.36E-09	4.54E-09	2.28E-10	7.12E-09	2.29E-09	3.91E-09	2.90E-10	6.49E-09	1.30E-09	2.15E-09	7.14E-11	3.53E-09
895	744500.03	4108810.83	1.49E-08	2.72E-08	1.50E-09	4.37E-08	2.32E-09	4.46E-09	2.24E-10	7.01E-09	2.25E-09	3.84E-09	2.85E-10	6.38E-09	1.28E-09	2.12E-09	7.02E-11	3.47E-09
896	744504.74	4108834.62	1.47E-08	2.67E-08	1.47E-09	4.28E-08	2.27E-09	4.38E-09	2.20E-10	6.87E-09	2.21E-09	3.77E-09	2.79E-10	6.26E-09	1.26E-09	2.08E-09	6.89E-11	3.40E-09
897	744509.45	4108858.42	1.44E-08	2.62E-08	1.44E-09	4.19E-08	2.23E-09	4.29E-09	2.15E-10	6.73E-09	2.16E-09	3.69E-09	2.74E-10	6.13E-09	1.23E-09	2.04E-09	6.75E-11	3.33E-09
898	744514.16	4108882.21	1.40E-08	2.56E-08	1.40E-09	4.10E-08	2.18E-09	4.19E-09	2.11E-10	6.58E-09	2.12E-09	3.61E-09	2.67E-10	5.99E-09	1.20E-09	1.99E-09	6.59E-11	3.26E-09
899	744518.87	4108906	1.37E-08	2.50E-08	1.37E-09	4.00E-08	2.13E-09	4.09E-09	2.06E-10	6.42E-09	2.07E-09	3.52E-09	2.61E-10	5.85E-09	1.17E-09	1.94E-09	6.44E-11	3.18E-09
900	744523.58	4108929.8	1.34E-08	2.44E-08	1.34E-09	3.91E-08	2.07E-09	3.99E-09	2.01E-10	6.27E-09	2.02E-09	3.44E-09	2.55E-10	5.71E-09	1.15E-09	1.90E-09	6.28E-11	3.10E-09
901	744528.29	4108953.59	1.30E-08	2.38E-08	1.30E-09	3.81E-08	2.02E-09	3.89E-09	1.96E-10	6.11E-09	1.97E-09	3.35E-09	2.48E-10	5.56E-09	1.12E-09	1.85E-09	6.13E-11	3.03E-09
902	744533	4108977.39	1.27E-08	2.31E-08	1.27E-09	3.71E-08	1.97E-09	3.79E-09	1.91E-10	5.95E-09	1.92E-09	3.26E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.97E-11	2.95E-09
903	744537.7	4109001.18	1.24E-08	2.25E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.80E-09	1.87E-09	3.18E-09	2.36E-10	5.28E-09	1.06E-09	1.75E-09	5.81E-11	2.87E-09
904	744542.41	4109024.98	1.20E-08	2.20E-08	1.21E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.65E-09	1.82E-09	3.10E-09	2.30E-10	5.14E-09	1.03E-09	1.71E-09	5.66E-11	2.80E-09
905	744547.12	4109048.77	1.17E-08	2.14E-08	1.17E-09	3.43E-08	1.82E-09	3.51E-09	1.76E-10	5.50E-09	1.77E-09	3.02E-09	2.24E-10	5.01E-09	1.01E-09	1.66E-09	5.52E-11	2.73E-09
906	744551.83	4109072.56	1.14E-08	2.08E-08	1.14E-09	3.34E-08	1.77E-09	3.42E-09	1.72E-10	5.36E-09	1.73E-09	2.94E-09	2.18E-10	4.88E-09	9.80E-10	1.62E-09	5.38E-11	2.66E-09
907	744556.54	4109096.36	1.12E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.33E-09	1.68E-10	5.23E-09	1.68E-09	2.87E-09	2.13E-10	4.76E-09	9.56E-10	1.58E-09	5.25E-11	2.59E-09
908	744561.25	4109120.15	1.09E-08	1.99E-08	1.09E-09	3.18E-08	1.69E-09	3.26E-09	1.64E-10	5.11E-09	1.64E-09	2.80E-09	2.08E-10	4.65E-09	9.34E-10	1.55E-09	5.12E-11	2.53E-09
909	744565.96	4109143.95	1.07E-08	1.94E-08	1.07E-09	3.12E-08	1.65E-09	3.19E-09	1.60E-10	5.00E-09	1.61E-09	2.74E-09	2.03E-10	4.55E-09	9.14E-10	1.51E-09	5.01E-11	2.48E-09
910	744570.67	4109167.74	1.05E-08	1.91E-08	1.05E-09	3.06E-08	1.62E-09	3.13E-09	1.57E-10	4.91E-09	1.58E-09	2.69E-09	2.00E-10	4.47E-09	8.97E-10	1.48E-09	4.92E-11	2.43E-09
911	744575.38	4109191.54	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.84E-09	1.56E-09	2.65E-09	1.97E-10	4.40E-09	8.84E-10	1.46E-09	4.85E-11	2.39E-09
912	744580.09	4109215.33	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.78E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.74E-10	1.45E-09	4.79E-11	2.37E-09
913	744584.8	4109239.12	1.01E-08	1.84E-08	1.01E-09	2.96E-08	1.57E-09	3.02E-09	1.52E-10	4.75E-09	1.53E-09	2.60E-09	1.93E-10	4.32E-09	8.67E-10	1.44E-09	4.76E-11	2.35E-09
914	744589.51	4109262.92	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.56E-09	3.01E-09	1.51E-10	4.73E-09	1.52E-09	2.59E-09	1.92E-10	4.31E-09	8.64E-10	1.43E-09	4.74E-11	2.34E-09
915	744594.22	4109286.71	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.57E-09	3.02E-09	1.52E-10	4.73E-09	1.52E-09	2.60E-09	1.92E-10	4.31E-09	8.65E-10	1.43E-09	4.74E-11	2.34E-09
916	744598.92	4109310.51	1.01E-08	1.85E-08	1.01E-09	2.96E-08	1.57E-09	3.03E-09	1.52E-10	4.75E-09	1.53E-09	2.61E-09	1.93E-10	4.33E-09	8.69E-10	1.44E-09	4.76E-11	2.35E-09
917	744603.63	4109334.3	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.79E-09	1.54E-09	2.62E-09	1.95E-10	4.36E-09	8.75E-10	1.45E-09	4.80E-11	2.37E-09
918	744608.34	4109358.1	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.07E-09	1.54E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.39E-09	8.82E-10	1.46E-09	4.84E-11	2.39E-09
919	744613.05	4109381.89	1.04E-08	1.89E-08	1.04E-09	3.04E-08	1.61E-09	3.10E-09	1.56E-10	4.87E-09	1.57E-09	2.67E-09	1.98E-10	4.43E-09	8.90E-10	1.47E-09	4.88E-11	2.41E-09
920	744617.76	4109405.68	1.05E-08	1.91E-08	1.05E-09	3.06E-08	1.63E-09	3.13E-09	1.57E-10	4.91E-09	1.58E-09	2.69E-09	2.00E-10	4.48E-09	8.98E-10	1.49E-09	4.93E-11	2.43E-09
921	744622.47	4109429.48	1.06E-08	1.92E-08	1.06E-09	3.09E-08	1.64E-09	3.16E-09	1.59E-10	4.95E-09	1.59E-09	2.71E-09	2.01E-10	4.51E-09	9.05E-10	1.50E-09	4.96E-11	2.45E-09
922	744627.18	4109453.27	1.06E-08	1.93E-08	1.06E-09	3.10E-08	1.65E-09	3.17E-09	1.59E-10	4.98E-09	1.60E-09	2.73E-09	2.02E-10	4.53E-09	9.10E-10	1.51E-09	4.99E-11	2.47E-09
923	744631.89	4109477.07	1.07E-08	1.94E-08	1.07E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	4.99E-09	1.61E-09	2.74E-09	2.03E-10	4.55E-09	9.13E-10	1.51E-09	5.00E-11	2.47E-09
924	744636.6	4109500.86	1.06E-08	1.94E-08	1.07E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	4.99E-09	1.61E-09	2.74E-09	2.03E-10	4.54E-09	9.12E-10	1.51E-09	5.00E-11	2.47E-09
925	744641.31	4109524.65	1.06E-08	1.93E-08	1.06E-09	3.10E-08	1.64E-09	3.17E-09	1.59E-10	4.97E-09	1.60E-09	2.73E-09	2.02E-10	4.53E-09	9.09E-10	1.50E-09	4.98E-11	2.46E-09
926	744646.02	4109548.45	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.03E-10	1.49E-09	4.95E-11	2.45E-09
927	744650.73	4109572.24	1.04E-08	1.90E-08	1.04E-09	3.05E-08	1.62E-09	3.11E-09	1.56E-10	4.89E-09	1.57E-09	2.68E-09	1.99E-10	4.45E-09	8.93E-10	1.48E-09	4.90E-11	2.42E-09
928	744655.44	4109596.04	1.03E-08	1.87E-08	1.03E-09	3.01E-08	1.60E-09	3.07E-09	1.54E-10	4.82E-09	1.55E-09	2.64E-09	1.96E-10	4.39E-09	8.82E-10	1.46E-09	4.83E-11	2.39E-09
929	744660.14	4109619.83	1.01E-08	1.85E-08	1.01E-09	2.96E-08	1.57E-09	3.03E-09	1.52E-10	4.75E-09	1.53E-09	2.60E-09	1.93E-10	4.33E-09	8.68E-10	1.44E-09	4.76E-11	2.35E-09
930	744664.85	4109643.63	9.95E-09	1.81E-08	9.96E-10	2.91E-08	1.54E-09	2.97E-09	1.49E-10	4.67E-09	1.50E-09	2.56E-09	1.90E-10	4.25E-09	8.53E-10	1.41E-09	4.68E-11	2.31E-09
931	744669.56	4109667.42	9.76E-09	1.78E-08	9.77E-10	2.85E-08	1.51E-09	2.92E-09	1.47E-10	4.58E-09	1.47E-09	2.51E-09	1.86E-10	4.17E-09	8.37E-10	1.38E-09	4.59E-11	2.27E-09
932	744674.27	4109691.21	9.56E-09	1.74E-08	9.57E-10	2.79E-08	1.48E-09	2.86E-09	1.43E-10	4.48E-09	1.44E-09	2.46E-09	1.82E-10	4.08E-09	8.19E-10	1.36E-09	4.49E-11	2.22E-09
933	744678.98	4109715.01	9.35E-09	1.70E-08	9.35E-10	2.73E-08	1.45E-09	2.79E-09	1.40E-10	4.38E-09	1.41E-09	2.40E-09	1.78E-10	3.99E-09	8.01E-10	1.33E-09	4.39E-11	2.17E-09
934	744683.69	4109738.8	9.14E-09	1.67E-08	9.14E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.28E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.83E-10	1.30E-09	4.30E-11	2.12E-09
935	744688.4	4109762.6	8.93E-09	1.63E-08	8.94E-10	2.61E-08	1.39E-09	2.67E-09	1.34E-10	4.19E-09	1.35E-09	2.30E-09	1.70E-10	3.81E-09	7.65E-10	1.27E-09	4.20E-11	2.07E-09
936	744693.11	4109786.39	8.73E-09	1.59E-08	8.73E-10	2.55E-08	1.35E-09	2.61E-09	1.31E-10	4.09E-09	1.32E-09	2.24E-09	1.66E-10	3.73E-09	7.48E-10	1.24E-09	4.10E-11	2.03E-09
937	744697.82	4109810.19	8.54E-09	1.56E-08	8.55E-10	2.50E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.32E-10	1.21E-09	4.01E-11	1.98E-09
938	744702.53	4109833.98	8.32E-09	1.52E-08	8.32E-10	2.43E-08	1.29E-09	2.49E-09	1.25E-10	3.90E-09	1.25E-09	2.14E-09	1.59E-10	3.55E-09	7.13E-10	1.18E-09	3.91E-11	1.93E-09
939	744707.24	4109857.77	8.19E-09	1.49E-08	8.20E-10	2.39E-08	1.27E-09	2.45E-09	1.23E-10	3.84E-09	1.24E-09	2.11E-09	1.56E-10	3.50E-09	7.02E-10	1.16E-09	3.85E-11	1.90E-09
940	744711.95	4109881.57	8.04E-09	1.46E-08	8.04E-10	2.35E-08	1.25E-09	2.40E-09	1.21E-10	3.77E-09	1.21E-09	2.07E-09	1.53E-10	3.43E-09	6.89E-10	1.14E-09	3.78E-11	1.87E-09
941	744716.66	4109905.36	7.89E-09	1.44E-08	7.89E-10	2.30E-08	1.22E-09	2.36E-09	1.18E-10	3.70E-09	1.19E-09	2.03E-09	1.50E-10	3.37E-09	6.76E-10	1.12E-09	3.71E-11	1.83E-09
942	744721.37	4109929.16	7.75E-09	1.41E-08	7.75E-10	2.26E-08	1.20E-09	2.31E-09	1.16E-10	3.63E-09	1.17E-09	1.99E-09	1.48E-10	3.31E-09	6.64E-10	1.10E-09	3.64E-11	1.80E-09
943	744726.07	4109952.95	7.62E-09	1.39E-08	7.62E-10	2.23E-08	1.18E-09	2.28E-09	1.14E-10	3.57E-09	1.15E-09	1.96E-09	1.45E-10	3.25E-09	6.53E-10	1.08E-09	3.58E-11	1.77E-09
944	744730.78	4109976.75	7.49E-09	1.36E-08	7.49E-10	2.19E-08	1.16E-09	2.24E-09	1.12E-10	3.51E-09	1.13E-09	1.93E-09	1.43E-10	3.20E-09	6.42E-10	1.06E-09	3.52E-11	1.74E-09
945	744735.49	4110000.54	7.37E-09	1.34E-08	7.38E-10	2.15E-08	1.14E-09	2.20E-09	1.11E-10	3.46E-09	1.11E-09	1.89E-09	1.40E-10	3.15E-09	6.32E-10	1.05E-09	3.46E-11	1.71E-09
946	744740.2	4110024.33	7.26E-09	1.32E-08	7.26E-10	2.12E-08	1.13E-09	2.17E-09	1.09E-10	3.40E-09	1.09E-09	1.87E-09	1.38E-10	3.10E-09	6.22E-10	1.03E-09	3.41E-11	1.69E-09
947	744744.91	4110048.13	7.16E-09	1.30E-08	7.16E-10	2.09E-08	1.11E-09	2.14E-09	1.07E-10	3.36E-09	1.08E-09	1.84E-09	1.36E-10	3.06E-09	6.13E-10	1.01E-09	3.36E-11	1.66E-09
948	744749.62	4110071.92	7.06E-09	1.29E-08	7.06E-10	2.06E-08	1.09E-09	2.11E-09	1.06E-10	3.31E-09	1.06E-09	1.81E-09	1.35E-10	3.01E-09	6.05E-10	1.00E-09	3.32E-11	1.64E-09
949	744754.33	4110095.72	6.97E-09	1.27E-08	6.97E-10	2.04E-08	1.08E-09	2.08E-09	1.05E-10	3.27E-09	1.05E-09	1.79E-09	1.33E-10	2.98E-09	5.97E-10	9.88E-10	3.28E-11	1.62E-09
950	744759.04	4110119.51	6.89E-09	1.26E-08	6.89E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.90E-10	9.77E-10	3.24E-11	1.60E-09
951	744763.75	4110143.3	6.82E-09	1.24E-08	6.82E-10	1.99E-08	1.06E-09	2.04E-09	1.02E-10	3.20E-09	1.03E-09	1.75E-09	1.30E-10	2.91E-09	5.84E-10	9.66E-10	3.20E-11	1.58E-09
952	744768.46	4110167.1	6.75E-09	1.23E-08	6.75E-10	1.97E-08	1.05E-09	2.02E-09	1.01E-10	3.16E-09	1.02E-09	1.73E-09	1.29E-10	2.88E-09	5.78E-10	9.57E-10	3.17E-11	1.57E-09
953	744773.17	4110190.89	6.69E-09	1.22E-08	6.69E-10	1.96E-08	1.04E-09	2.00E-09	1.00E-10	3.14E-09	1.01E-09	1.72E-09	1.27E-10	2.86E-09	5.73E-10	9.49E-10	3.14E-11	1.55E-09
954	744777.88	4110214.69	6.63E-09	1.21E-08	6.64E-10	1.94E-08	1.03E-09	1.98E-09	9.96E-11	3.11E-09	1.00E-09	1.71E-09	1.26E-10	2.83E-09	5.68E-10	9.41E-10	3.12E-11	1.54E-09
955	744782.59	4110238.48	6.58E-09	1.20E-08	6.59E-10	1.92E-08	1.02E-09	1.97E-09	9.88E-11	3.09E-09	9.93E-10	1.69E-09	1.25E-10	2.81E-09	5.64E-10	9.33E-10	3.09E-11	1.53E-09
956	744787.29	4110262.28	6.54E-09	1.19E-08	6.54E-10	1.91E-08	1.01E-09	1.95E-09	9.81E-11	3.06E-09	9.86E-10	1.68E-09	1.25E-10	2.79E-09	5.60E-10	9.27E-10	3.07E-11	1.52E-09
957	744792	4110286.07	6.49E-09	1.18E-08	6.49E-10	1.90E-08	1.01E-09	1.94E-09	9.74E-11	3.04E-09	9.78E-10	1.67E-09	1.24E-10	2.77E-09	5.56E-10	9.20E-10	3.05E-11	1.51E-09
958	744796.71	4110309.86	6.44E-09	1.17E-08	6.45E-10	1.88E-08	9.99E-10	1.92E-09	9.67E-11	3.02E-09	9.72E-10	1.66E-09	1.23E-10	2.75E-09	5.52E-10	9.14E-10	3.03E-11	1.50E-09
959	744801.42	4110333.66	6.40E-09	1.17E-08	6.40E-10	1.87E-08	9.92E-10	1.91E-09	9.61E-11	3.00E-09	9.65E-10	1.65E-09	1.22E-10	2.73E-09	5.48E-10	9.07E-10	3.01E-11	1.49E-09
960	744806.13	4110357.45	6.35E-09	1.16E-08	6.36E-10	1.86E-08	9.85E-10	1.90E-09	9.54E-11	2.98E-09	9.58E-10	1.63E-09	1.21E-10	2.71E-09	5.44E-10	9.01E-10	2.99E-11	1.48E-09
961	744810.84	4110381.25	6.31E-09	1.15E-08	6.31E-10	1.84E-08	9.79E-10	1.89E-09	9.47E-11	2.96E-09	9.52E-10	1.62E-09	1.20E-10	2.69E-09	5.41E-10	8.95E-10	2.97E-11	1.47E-09
962	744815.55	4110405.04	6.27E-09	1.14E-08	6.27E-10	1.83E-08	9.72E-10	1.87E-09	9.40E-11	2.94E-09	9.45E-10	1.61E-09	1.19E-10	2.67E-09	5.37E-10	8.88E-10	2.94E-11	1.45E-09
963	744820.26	4110428.84	6.22E-09	1.13E-08	6.22E-10	1.82E-08	9.65E-10	1.86E-09	9.34E-11	2.92E-09	9.38E-10	1.60E-09	1.19E-10	2.66E-09	5.33E-10	8.82E-10	2.92E-11	1.44E-09
964	744824.97	4110452.63	6.18E-09	1.13E-08	6.18E-10	1.80E-08	9.58E-10	1.85E-09	9.27E-11	2.90E-09	9.31E-10	1.59E-09	1.18E-10	2.64E-09	5.29E-10	8.76E-10	2.90E-11	1.43E-09
965	744829.68	4110476.42	6.13E-09	1.12E-08	6.14E-10	1.79E-08	9.51E-10	1.83E-09	9.21E-11	2.88E-09	9.25E-10	1.58E-09	1.17E-10	2.62E-09	5.26E-10	8.70E-10	2.88E-11	1.42E-09
966	744834.39	4110500.22	6.09E-09	1.11E-08	6.10E-10	1.78E-08	9.45E-10	1.82E-09	9.14E-11	2.86E-09	9.19E-10	1.57E-09	1.16E-10	2.60E-09	5.22E-10	8.64E-10	2.86E-11	1.41E-09
967	744825.64	4110544.19	6.08E-09	1.11E-08	6.08E-10	1.78E-08	9.42E-10	1.82E-09	9.12E-11	2.85E-09	9.16E-10	1.56E-09	1.16E-10	2.59E-09	5.21E-10	8.62E-10	2.86E-11	1.41E-09
968	744812.18	4110564.37	6.10E-09	1.11E-08	6.11E-10	1.78E-08	9.46E-10	1.82E-09	9.16E-11	2.86E-09	9.20E-10	1.57E-09	1.16E-10	2.61E-09	5.23E-10	8.65E-10	2.87E-11	1.42E-09
969	744798.73	4110584.55	6.13E-09	1.12E-08	6.13E-10	1.79E-08	9.51E-10	1.83E-09	9.20E-11	2.87E-09	9.25E-10	1.58E-09	1.17E-10	2.62E-09	5.25E-10	8.69E-10	2.88E-11	1.42E-09
970	744785.27	4110604.74	6.17E-09	1.12E-08	6.17E-10	1.80E-08	9.56E-10	1.84E-09	9.25E-11	2.89E-09	9.30E-10	1.58E-09	1.17E-10	2.63E-09	5.28E-10	8.74E-10	2.90E-11	1.43E-09
971	744771.81	4110624.92	6.21E-09	1.13E-08	6.21E-10	1.81E-08	9.63E-10	1.85E-09	9.32E-11	2.91E-09	9.36E-10	1.60E-09	1.18E-10	2.65E-09	5.32E-10	8.80E-10	2.92E-11	1.44E-09
972	744758.36	4110645.1	6.25E-09	1.14E-08	6.26E-10	1.83E-08	9.70E-10	1.87E-09	9.39E-11	2.93E-09	9.43E-10	1.61E-09	1.19E-10	2.67E-09	5.36E-10	8.87E-10	2.94E-11	1.45E-09
973	744744.9	4110665.28	6.31E-09	1.15E-08	6.31E-10	1.84E-08	9.78E-10	1.88E-09	9.47E-11	2.96E-09	9.51E-10	1.62E-09	1.20E-10	2.69E-09	5.41E-10	8.95E-10	2.96E-11	1.46E-09
974	744731.44	4110685.46	6.37E-09	1.16E-08	6.37E-10	1.86E-08	9.88E-10	1.90E-09	9.56E-11	2.99E-09	9.61E-10	1.64E-09	1.21E-10	2.72E-09	5.46E-10	9.03E-10	2.99E-11	1.48E-09
975	744717.99	4110705.64	6.44E-09	1.17E-08	6.44E-10	1.88E-08	9.98E-10	1.92E-09	9.66E-11	3.02E-09	9.71E-10	1.65E-09	1.23E-10	2.75E-09	5.52E-10	9.13E-10	3.02E-11	1.49E-09

976	744704.53	4110725.82	6.51E-09	1.19E-08	6.51E-10	1.90E-08	1.01E-09	1.94E-09	9.77E-11	3.05E-09	9.81E-10	1.67E-09	1.24E-10	2.78E-09	5.58E-10	9.23E-10	3.06E-11	1.51E-09
977	744691.07	4110746	6.58E-09	1.20E-08	6.59E-10	1.92E-08	1.02E-09	1.97E-09	9.88E-11	3.09E-09	9.93E-10	1.69E-09	1.25E-10	2.81E-09	5.64E-10	9.34E-10	3.09E-11	1.53E-09
978	744677.62	4110766.18	6.66E-09	1.21E-08	6.67E-10	1.95E-08	1.03E-09	1.99E-09	1.00E-10	3.12E-09	1.00E-09	1.71E-09	1.27E-10	2.84E-09	5.71E-10	9.45E-10	3.13E-11	1.55E-09
979	744664.16	4110786.36	6.74E-09	1.23E-08	6.74E-10	1.97E-08	1.04E-09	2.01E-09	1.01E-10	3.16E-09	1.02E-09	1.73E-09	1.28E-10	2.88E-09	5.77E-10	9.55E-10	3.17E-11	1.56E-09
980	744650.7	4110806.54	6.81E-09	1.24E-08	6.82E-10	1.99E-08	1.06E-09	2.04E-09	1.02E-10	3.19E-09	1.03E-09	1.75E-09	1.30E-10	2.91E-09	5.84E-10	9.66E-10	3.20E-11	1.58E-09
981	744637.25	4110826.72	6.88E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.90E-10	9.76E-10	3.23E-11	1.60E-09
982	744623.79	4110846.9	6.94E-09	1.26E-08	6.94E-10	2.03E-08	1.08E-09	2.07E-09	1.04E-10	3.25E-09	1.05E-09	1.78E-09	1.32E-10	2.96E-09	5.94E-10	9.84E-10	3.26E-11	1.61E-09
983	744610.33	4110867.08	6.98E-09	1.27E-08	6.99E-10	2.04E-08	1.08E-09	2.09E-09	1.05E-10	3.27E-09	1.05E-09	1.80E-09	1.33E-10	2.98E-09	5.98E-10	9.90E-10	3.28E-11	1.62E-09
984	744596.88	4110887.26	7.01E-09	1.28E-08	7.02E-10	2.05E-08	1.09E-09	2.10E-09	1.05E-10	3.29E-09	1.06E-09	1.80E-09	1.34E-10	2.99E-09	6.01E-10	9.94E-10	3.30E-11	1.63E-09
985	744583.42	4110907.45	7.02E-09	1.28E-08	7.03E-10	2.05E-08	1.09E-09	2.10E-09	1.05E-10	3.29E-09	1.06E-09	1.81E-09	1.34E-10	3.00E-09	6.02E-10	9.96E-10	3.30E-11	1.63E-09
986	744569.96	4110927.63	7.02E-09	1.28E-08	7.02E-10	2.05E-08	1.09E-09	2.10E-09	1.05E-10	3.29E-09	1.06E-09	1.80E-09	1.34E-10	3.00E-09	6.01E-10	9.95E-10	3.30E-11	1.63E-09
987	744556.51	4110947.81	6.99E-09	1.27E-08	7.00E-10	2.04E-08	1.08E-09	2.09E-09	1.05E-10	3.28E-09	1.05E-09	1.80E-09	1.33E-10	2.98E-09	5.99E-10	9.91E-10	3.29E-11	1.62E-09
988	744543.05	4110967.99	6.95E-09	1.27E-08	6.95E-10	2.03E-08	1.08E-09	2.08E-09	1.04E-10	3.26E-09	1.05E-09	1.79E-09	1.32E-10	2.97E-09	5.95E-10	9.85E-10	3.26E-11	1.61E-09
989	744529.59	4110988.17	6.88E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.89E-10	9.75E-10	3.23E-11	1.60E-09
990	744516.13	4111008.35	6.80E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.02E-09	1.75E-09	1.30E-10	2.90E-09	5.82E-10	9.64E-10	3.19E-11	1.58E-09
991	744502.68	4111028.53	6.70E-09	1.22E-08	6.70E-10	1.96E-08	1.04E-09	2.00E-09	1.01E-10	3.14E-09	1.01E-09	1.72E-09	1.28E-10	2.86E-09	5.74E-10	9.50E-10	3.15E-11	1.55E-09
992	744489.22	4111048.71	6.58E-09	1.20E-08	6.59E-10	1.92E-08	1.02E-09	1.97E-09	9.88E-11	3.09E-09	9.93E-10	1.69E-09	1.25E-10	2.81E-09	5.64E-10	9.34E-10	3.09E-11	1.53E-09
993	744475.76	4111068.89	6.46E-09	1.18E-08	6.47E-10	1.89E-08	1.00E-09	1.93E-09	9.70E-11	3.03E-09	9.75E-10	1.66E-09	1.23E-10	2.76E-09	5.54E-10	9.16E-10	3.04E-11	1.50E-09
994	744462.31	4111089.07	6.33E-09	1.15E-08	6.34E-10	1.85E-08	9.82E-10	1.89E-09	9.51E-11	2.97E-09	9.55E-10	1.63E-09	1.21E-10	2.70E-09	5.43E-10	8.98E-10	2.98E-11	1.47E-09
995	744448.85	4111109.25	6.20E-09	1.13E-08	6.21E-10	1.81E-08	9.62E-10	1.85E-09	9.31E-11	2.91E-09	9.36E-10	1.60E-09	1.18E-10	2.65E-09	5.32E-10	8.80E-10	2.92E-11	1.44E-09
996	744435.39	4111129.43	6.07E-09	1.11E-08	6.08E-10	1.77E-08	9.42E-10	1.81E-09	9.11E-11	2.85E-09	9.16E-10	1.56E-09	1.16E-10	2.59E-09	5.20E-10	8.61E-10	2.85E-11	1.41E-09
997	744421.94	4111149.61	5.95E-09	1.08E-08	5.95E-10	1.74E-08	9.22E-10	1.78E-09	8.93E-11	2.79E-09	8.97E-10	1.53E-09	1.13E-10	2.54E-09	5.10E-10	8.43E-10	2.79E-11	1.38E-09
998	744408.48	4111169.79	5.83E-09	1.06E-08	5.83E-10	1.70E-08	9.03E-10	1.74E-09	8.74E-11	2.73E-09	8.78E-10	1.50E-09	1.11E-10	2.49E-09	4.99E-10	8.26E-10	2.74E-11	1.35E-09
999	744395.02	4111189.97	5.71E-09	1.04E-08	5.72E-10	1.67E-08	8.86E-10	1.71E-09	8.57E-11	2.68E-09	8.61E-10	1.47E-09	1.09E-10	2.44E-09	4.90E-10	8.10E-10	2.68E-11	1.33E-09
1000	744381.57	4111210.16	5.61E-09	1.02E-08	5.61E-10	1.64E-08	8.70E-10	1.68E-09	8.42E-11	2.63E-09	8.46E-10	1.44E-09	1.07E-10	2.40E-09	4.81E-10	7.96E-10	2.64E-11	1.30E-09
1001	744368.11	4111230.34	5.52E-09	1.01E-08	5.52E-10	1.61E-08	8.56E-10	1.65E-09	8.28E-11	2.59E-09	8.32E-10	1.42E-09	1.05E-10	2.36E-09	4.73E-10	7.83E-10	2.59E-11	1.28E-09
1002	744354.65	4111250.52	5.44E-09	9.92E-09	5.45E-10	1.59E-08	8.44E-10	1.63E-09	8.17E-11	2.55E-09	8.21E-10	1.40E-09	1.04E-10	2.32E-09	4.66E-10	7.72E-10	2.56E-11	1.26E-09
1003	744341.2	4111270.7	5.38E-09	9.80E-09	5.38E-10	1.57E-08	8.34E-10	1.61E-09	8.07E-11	2.52E-09	8.11E-10	1.38E-09	1.02E-10	2.30E-09	4.61E-10	7.62E-10	2.53E-11	1.25E-09
1004	744327.74	4111290.88	5.32E-09	9.70E-09	5.33E-10	1.56E-08	8.25E-10	1.59E-09	7.99E-11	2.50E-09	8.03E-10	1.37E-09	1.01E-10	2.27E-09	4.56E-10	7.55E-10	2.50E-11	1.24E-09
1005	744314.28	4111311.06	5.28E-09	9.62E-09	5.28E-10	1.54E-08	8.19E-10	1.58E-09	7.92E-11	2.48E-09	7.96E-10	1.36E-09	1.01E-10	2.25E-09	4.52E-10	7.49E-10	2.48E-11	1.23E-09
1006	744300.83	4111331.24	5.25E-09	9.56E-09	5.25E-10	1.53E-08	8.14E-10	1.57E-09	7.87E-11	2.46E-09	7.91E-10	1.35E-09	1.00E-10	2.24E-09	4.50E-10	7.44E-10	2.47E-11	1.22E-09
1007	744287.37	4111351.42	5.23E-09	9.52E-09	5.23E-10	1.53E-08	8.10E-10	1.56E-09	7.84E-11	2.45E-09	7.88E-10	1.34E-09	9.96E-11	2.23E-09	4.48E-10	7.41E-10	2.46E-11	1.21E-09
1008	744273.91	4111371.6	5.21E-09	9.49E-09	5.21E-10	1.52E-08	8.08E-10	1.56E-09	7.82E-11	2.44E-09	7.85E-10	1.34E-09	9.92E-11	2.22E-09	4.46E-10	7.38E-10	2.45E-11	1.21E-09
1009	744260.46	4111391.78	5.19E-09	9.47E-09	5.20E-10	1.52E-08	8.06E-10	1.55E-09	7.80E-11	2.44E-09	7.83E-10	1.34E-09	9.90E-11	2.22E-09	4.45E-10	7.37E-10	2.44E-11	1.21E-09
1010	744247	4111411.96	5.18E-09	9.45E-09	5.19E-10	1.51E-08	8.04E-10	1.55E-09	7.78E-11	2.43E-09	7.82E-10	1.33E-09	9.88E-11	2.21E-09	4.44E-10	7.35E-10	2.44E-11	1.20E-09
1011	744233.54	4111432.14	5.18E-09	9.44E-09	5.18E-10	1.51E-08	8.03E-10	1.55E-09	7.77E-11	2.43E-09	7.81E-10	1.33E-09	9.87E-11	2.21E-09	4.44E-10	7.34E-10	2.43E-11	1.20E-09
1012	744220.09	4111452.32	5.18E-09	9.43E-09	5.18E-10	1.51E-08	8.03E-10	1.55E-09	7.77E-11	2.43E-09	7.80E-10	1.33E-09	9.86E-11	2.21E-09	4.43E-10	7.34E-10	2.43E-11	1.20E-09
1013	744206.63	4111472.5	5.17E-09	9.42E-09	5.17E-10	1.51E-08	8.02E-10	1.54E-09	7.76E-11	2.42E-09	7.80E-10	1.33E-09	9.85E-11	2.21E-09	4.43E-10	7.33E-10	2.43E-11	1.20E-09
1014	744193.17	4111492.68	5.17E-09	9.41E-09	5.17E-10	1.51E-08	8.01E-10	1.54E-09	7.75E-11	2.42E-09	7.79E-10	1.33E-09	9.85E-11	2.21E-09	4.43E-10	7.33E-10	2.43E-11	1.20E-09
1015	744179.72	4111512.87	5.16E-09	9.41E-09	5.17E-10	1.51E-08	8.01E-10	1.54E-09	7.75E-11	2.42E-09	7.79E-10	1.33E-09	9.84E-11	2.20E-09	4.43E-10	7.32E-10	2.43E-11	1.20E-09
1016	744166.26	4111533.05	5.17E-09	9.41E-09	5.17E-10	1.51E-08	8.01E-10	1.54E-09	7.75E-11	2.42E-09	7.79E-10	1.33E-09	9.85E-11	2.21E-09	4.43E-10	7.33E-10	2.43E-11	1.20E-09
1017	744152.8	4111553.23	5.17E-09	9.42E-09	5.17E-10	1.51E-08	8.02E-10	1.54E-09	7.76E-11	2.42E-09	7.80E-10	1.33E-09	9.85E-11	2.21E-09	4.43E-10	7.33E-10	2.43E-11	1.20E-09
1018	744139.35	4111573.41	5.18E-09	9.45E-09	5.19E-10	1.51E-08	8.04E-10	1.55E-09	7.78E-11	2.43E-09	7.82E-10	1.33E-09	9.88E-11	2.21E-09	4.44E-10	7.35E-10	2.44E-11	1.20E-09
1019	744125.89	4111593.59	5.21E-09	9.49E-09	5.21E-10	1.52E-08	8.07E-10	1.56E-09	7.81E-11	2.44E-09	7.85E-10	1.34E-09	9.92E-11	2.22E-09	4.46E-10	7.38E-10	2.45E-11	1.21E-09
1020	744112.43	4111613.77	5.24E-09	9.54E-09	5.24E-10	1.53E-08	8.12E-10	1.56E-09	7.86E-11	2.45E-09	7.90E-10	1.35E-09	9.98E-11	2.24E-09	4.49E-10	7.42E-10	2.46E-11	1.22E-09
1021	744098.98	4111633.95	5.28E-09	9.62E-09	5.28E-10	1.54E-08	8.18E-10	1.58E-09	7.92E-11	2.47E-09	7.96E-10	1.36E-09	1.01E-10	2.25E-09	4.52E-10	7.48E-10	2.48E-11	1.23E-09
1022	744085.52	4111654.13	5.33E-09	9.71E-09	5.33E-10	1.56E-08	8.26E-10	1.59E-09	8.00E-11	2.50E-09	8.04E-10	1.37E-09	1.02E-10	2.28E-09	4.57E-10	7.56E-10	2.50E-11	1.24E-09
1023	744072.06	4111674.31	5.40E-09	9.83E-09	5.40E-10	1.58E-08	8.37E-10	1.61E-09	8.10E-11	2.53E-09	8.14E-10	1.39E-09	1.03E-10	2.30E-09	4.62E-10	7.65E-10	2.54E-11	1.25E-09
1024	744058.61	4111694.49	5.47E-09	9.97E-09	5.48E-10	1.60E-08	8.49E-10	1.63E-09	8.21E-11	2.57E-09	8.25E-10	1.41E-09	1.04E-10	2.34E-09	4.69E-10	7.76E-10	2.57E-11	1.27E-09
1025	744045.15	4111714.67	5.56E-09	1.01E-08	5.56E-10	1.62E-08	8.62E-10	1.66E-09	8.34E-11	2.61E-09	8.38E-10	1.43E-09	1.06E-10	2.37E-09	4.76E-10	7.88E-10	2.61E-11	1.29E-09
1026	744031.69	4111734.85	5.65E-09	1.03E-08	5.65E-10	1.65E-08	8.76E-10	1.69E-09	8.48E-11	2.65E-09	8.52E-10	1.45E-09	1.08E-10	2.41E-09	4.84E-10	8.01E-10	2.66E-11	1.31E-09
1027	744018.24	4111755.03	5.74E-09	1.05E-08	5.75E-10	1.68E-08	8.91E-10	1.72E-09	8.62E-11	2.69E-09	8.66E-10	1.48E-09	1.09E-10	2.45E-09	4.92E-10	8.14E-10	2.70E-11	1.33E-09
1028	744004.78	4111775.21	5.84E-09	1.06E-08	5.84E-10	1.71E-08	9.05E-10	1.74E-09	8.76E-11	2.74E-09	8.80E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.28E-10	2.74E-11	1.36E-09
1029	743991.32	4111795.39	5.92E-09	1.08E-08	5.93E-10	1.73E-08	9.19E-10	1.77E-09	8.89E-11	2.78E-09	8.93E-10	1.52E-09	1.13E-10	2.53E-09	5.08E-10	8.40E-10	2.78E-11	1.38E-09
1030	743977.87	4111815.58	6.00E-09	1.09E-08	6.00E-10	1.75E-08	9.30E-10	1.79E-09	9.00E-11	2.81E-09	9.05E-10	1.54E-09	1.14E-10	2.56E-09	5.14E-10	8.51E-10	2.82E-11	1.39E-09
1031	743964.41	4111835.76	6.06E-09	1.10E-08	6.06E-10	1.77E-08	9.39E-10	1.81E-09	9.09E-11	2.84E-09	9.13E-10	1.56E-09	1.15E-10	2.59E-09	5.19E-10	8.59E-10	2.85E-11	1.41E-09
1032	743950.95	4111855.94	6.09E-09	1.11E-08	6.10E-10	1.78E-08	9.45E-10	1.82E-09	9.15E-11	2.86E-09	9.19E-10	1.57E-09	1.16E-10	2.60E-09	5.22E-10	8.64E-10	2.86E-11	1.41E-09
1033	743937.5	4111876.12	6.11E-09	1.11E-08	6.11E-10	1.78E-08	9.47E-10	1.82E-09	9.17E-11	2.86E-09	9.21E-10	1.57E-09	1.16E-10	2.61E-09	5.23E-10	8.66E-10	2.87E-11	1.42E-09
1034	743924.04	4111896.3	6.09E-09	1.11E-08	6.09E-10	1.78E-08	9.44E-10	1.82E-09	9.14E-11	2.86E-09	9.18E-10	1.57E-09	1.16E-10	2.60E-09	5.22E-10	8.63E-10	2.86E-11	1.41E-09
1035	743910.58	4111916.48	6.04E-09	1.10E-08	6.05E-10	1.77E-08	9.37E-10	1.81E-09	9.07E-11	2.83E-09	9.11E-10	1.55E-09	1.15E-10	2.58E-09	5.18E-10	8.57E-10	2.84E-11	1.40E-09
1036	743897.13	4111936.66	5.97E-09	1.09E-08	5.97E-10	1.74E-08	9.25E-10	1.78E-09	8.95E-11	2.80E-09	9.00E-10	1.53E-09	1.14E-10	2.55E-09	5.11E-10	8.46E-10	2.80E-11	1.39E-09
1037	743883.67	4111956.84	5.86E-09	1.07E-08	5.86E-10	1.71E-08	9.08E-10	1.75E-09	8.79E-11	2.75E-09	8.83E-10	1.51E-09	1.12E-10	2.50E-09	5.02E-10	8.31E-10	2.75E-11	1.36E-09
1038	743870.21	4111977.02	5.72E-09	1.04E-08	5.72E-10	1.67E-08	8.87E-10	1.71E-09	8.59E-11	2.68E-09	8.63E-10	1.47E-09	1.09E-10	2.44E-09	4.90E-10	8.11E-10	2.69E-11	1.33E-09
1039	743856.76	4111997.2	5.56E-09	1.01E-08	5.56E-10	1.62E-08	8.62E-10	1.66E-09	8.34E-11	2.61E-09	8.38E-10	1.43E-09	1.06E-10	2.37E-09	4.76E-10	7.88E-10	2.61E-11	1.29E-09
1040	743843.3	4112017.38	5.37E-09	9.79E-09	5.38E-10	1.57E-08	8.33E-10	1.61E-09	8.06E-11	2.52E-09	8.10E-10	1.38E-09	1.02E-10	2.29E-09	4.60E-10	7.62E-10	2.52E-11	1.25E-09
1041	743829.84	4112037.56	5.17E-09	9.42E-09	5.17E-10	1.51E-08	8.02E-10	1.54E-09	7.76E-11	2.42E-09	7.80E-10	1.33E-09	9.85E-11	2.21E-09	4.43E-10	7.33E-10	2.43E-11	1.20E-09
1042	743816.39	4112057.74	4.95E-09	9.03E-09	4.96E-10	1.45E-08	7.68E-10	1.48E-09	7.44E-11	2.32E-09	7.47E-10	1.27E-09	9.44E-11	2.12E-09	4.25E-10	7.02E-10	2.33E-11	1.15E-09
1043	743802.93	4112077.92	4.73E-09	8.62E-09	4.74E-10	1.38E-08	7.34E-10	1.41E-09	7.10E-11	2.22E-09	7.14E-10	1.22E-09	9.02E-11	2.02E-09	4.06E-10	6.71E-10	2.22E-11	1.10E-09
1044	743789.47	4112098.1	4.51E-09	8.22E-09	4.51E-10	1.32E-08	6.99E-10	1.35E-09	6.77E-11	2.11E-09	6.80E-10	1.16E-09	8.59E-11	1.93E-09	3.86E-10	6.39E-10	2.12E-11	1.05E-09
1045	743776.01	4112118.29	4.29E-09	7.82E-09	4.29E-10	1.25E-08	6.65E-10	1.28E-09	6.44E-11	2.01E-09	6.47E-10	1.10E-09	8.18E-11	1.83E-09	3.68E-10	6.08E-10	2.02E-11	9.96E-10
1046	743762.56	4112138.47	4.09E-09	7.44E-09	4.09E-10	1.19E-08	6.34E-10	1.22E-09	6.13E-11	1.92E-09	6.16E-10	1.05E-09	7.78E-11	1.74E-09	3.50E-10	5.79E-10	1.92E-11	9.49E-10
1047	743749.1	4112158.65	3.89E-09	7.09E-09	3.89E-10	1.14E-08	6.04E-10	1.16E-09	5.84E-11	1.82E-09	5.87E-10	1.00E-09	7.42E-11	1.66E-09	3.34E-10	5.52E-10	1.83E-11	9.04E-10
1048	743735.64	4112178.83	3.72E-09	6.77E-09	3.72E-10	1.09E-08	5.76E-10	1.11E-09	5.58E-11	1.74E-09	5.60E-10	9.55E-10	7.08E-11	1.59E-09	3.18E-10	5.27E-10	1.75E-11	8.63E-10
1049	743722.19	4112199.01	3.57E-09	6.50E-09	3.57E-10	1.04E-08	5.53E-10	1.07E-09	5.35E-11	1.67E-09	5.38E-10	9.17E-10	6.80E-11	1.52E-09	3.06E-10	5.06E-10	1.68E-11	8.28E-10
1050	743708.73	4112219.19	3.33E-09	6.07E-09	3.34E-10	9.74E-09	5.17E-10	9.96E-10	5.00E-11	1.56E-09	5.03E-10	8.57E-10	6.35E-11	1.42E-09	2.86E-10	4.73E-10	1.57E-11	7.74E-10
1051	744438.81	4108501.5	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.41E-09	4.65E-09	2.34E-10	7.30E-09	2.35E-09	4.00E-09	2.97E-10	6.65E-09	1.33E-09	2.21E-09	7.31E-11	3.61E-09
1052	744425.26	4108481.14	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.41E-09	4.65E-09	2.34E-10	7.30E-09	2.35E-09	4.00E-09	2.97E-10	6.65E-09	1.33E-09	2.21E-09	7.31E-11	3.61E-09
1053	744411.71	4108460.78	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.41E-09	4.65E-09	2.34E-10	7.29E-09	2.35E-09	4.00E-09	2.96E-10	6.64E-09	1.33E-09	2.21E-09	7.31E-11	3.61E-09
1054	744398.16	4108440.42	1.55E-08	2.83E-08	1.56E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.29E-09	2.34E-09	4.00E-09	2.96E-10	6.64E-09	1.33E-09	2.20E-09	7.31E-11	3.61E-09
1055	744384.62	4108420.06	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.41E-09	4.63E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.96E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
1056	744371.07	4108399.7	1.55E-08	2.82E-08	1.55E-09	4.52E-08	2.40E-09	4.62E-09	2.32E-10	7.25E-09	2.33E-09	3.98E-09	2.95E-10	6.60E-09	1.33E-09	2.19E-09	7.27E-11	3.59E-09
1057	744357.52	4108379.34	1.54E-08	2.80E-08	1.54E-09	4.50E-08	2.39E-09	4.60E-09	2.31E-10	7.22E-09	2.32E-09	3.96E-09	2.93E-10	6.57E-09	1.32E-09	2.18E-09	7.23E-11	3.57E-09
1058	744343.97	4108358.97	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.17E-09	2.31E-09	3.93E-09	2.92E-10	6.53E-09	1.31E-09	2.17E-09	7.19E-11	3.55E-09
1059	744330.42	4108338.61	1.52E-08	2.77E-08	1.52E-09	4.44E-08	2.35E-09	4.53E-09	2.28E-10	7.12E-09	2.29E-09	3.90E-09	2.89E-10	6.48E-09	1.30E-09	2.15E-09	7.13E-11	3.52E-09
1060	744776.56	4108303.85	1.29E-08	2.35E-08	1.29E-09	3.76E-08	2.00E-09	3.85E-09	1.93E-10	6.04E-09	1.94E-09	3.31E-09	2.45E-10	5.50E-09	1.10E-09	1.83E-09	6.05E-11	2.99E-09
1061	744781.3	4108327.79	1.29E-08	2.36E-08	1.29E-09	3.78E-08	2.00E-09	3.86E-09	1.94E-10	6.06E-09	1.95E-09	3.32E-09	2.46E-10	5.52E-09	1.11E-09	1.83E-09	6.07E-11	3.00E-09
1062	744786.04	4108351.73	1.30E-08	2.36E-08	1.30E-09	3.79E-08	2.01E-09	3.88E-09	1.95E-10	6.08E-09	1.96E-09	3.34E-09	2.47E-10	5.54E-09	1.11E-09	1.84E-09	6.10E-11	3.01E-09
1063	744790.77	4108375.67	1.30E-08	2.37E-08	1.30E-09	3.81E-08	2.02E-09	3.89E-09	1.95E-10	6.11E-09	1.96E-09	3.35E-09	2.48E-10	5.56E-09	1.12E-09	1.85E-09	6.12E-11	3.02E-09
1064	744795.51	4108399.61	1.31E-08	2.38E-08	1.31E-09	3.82E-08	2.03E-09	3.90E-09	1.96E-10	6.13E-09	1.97E-09	3.36E-09	2.49E-10	5.58E-09	1.12E-09	1.85E-09	6.14E-11	3.03E-09

1065	744800.25	4108423.55	1.31E-08	2.39E-08	1.31E-09	3.83E-08	2.03E-09	3.91E-09	1.97E-10	6.14E-09	1.98E-09	3.37E-09	2.50E-10	5.59E-09	1.12E-09	1.86E-09	6.16E-11	3.04E-09
1066	744804.99	4108447.49	1.31E-08	2.39E-08	1.31E-09	3.84E-08	2.04E-09	3.92E-09	1.97E-10	6.15E-09	1.98E-09	3.37E-09	2.50E-10	5.60E-09	1.12E-09	1.86E-09	6.17E-11	3.05E-09
1067	744809.73	4108471.43	1.31E-08	2.39E-08	1.31E-09	3.84E-08	2.04E-09	3.92E-09	1.97E-10	6.16E-09	1.98E-09	3.38E-09	2.50E-10	5.61E-09	1.13E-09	1.86E-09	6.17E-11	3.05E-09
1068	744814.46	4108495.37	1.31E-08	2.39E-08	1.31E-09	3.83E-08	2.03E-09	3.92E-09	1.97E-10	6.15E-09	1.98E-09	3.37E-09	2.50E-10	5.60E-09	1.12E-09	1.86E-09	6.17E-11	3.05E-09
1069	744819.2	4108519.31	1.31E-08	2.38E-08	1.31E-09	3.82E-08	2.03E-09	3.91E-09	1.96E-10	6.13E-09	1.97E-09	3.36E-09	2.49E-10	5.58E-09	1.12E-09	1.85E-09	6.15E-11	3.04E-09
1070	744823.94	4108543.25	1.30E-08	2.37E-08	1.30E-09	3.80E-08	2.02E-09	3.89E-09	1.95E-10	6.10E-09	1.96E-09	3.35E-09	2.48E-10	5.56E-09	1.12E-09	1.85E-09	6.12E-11	3.02E-09
1071	744828.68	4108567.19	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.86E-09	1.94E-10	6.05E-09	1.95E-09	3.32E-09	2.46E-10	5.51E-09	1.11E-09	1.83E-09	6.07E-11	3.00E-09
1072	744833.42	4108591.13	1.28E-08	2.33E-08	1.28E-09	3.73E-08	1.98E-09	3.82E-09	1.92E-10	5.99E-09	1.93E-09	3.29E-09	2.44E-10	5.46E-09	1.10E-09	1.81E-09	6.01E-11	2.97E-09
1073	744838.15	4108615.06	1.26E-08	2.30E-08	1.26E-09	3.69E-08	1.96E-09	3.77E-09	1.89E-10	5.92E-09	1.90E-09	3.24E-09	2.41E-10	5.39E-09	1.08E-09	1.79E-09	5.93E-11	2.93E-09
1074	744842.89	4108639	1.24E-08	2.27E-08	1.24E-09	3.63E-08	1.93E-09	3.72E-09	1.87E-10	5.83E-09	1.88E-09	3.20E-09	2.37E-10	5.31E-09	1.07E-09	1.76E-09	5.85E-11	2.89E-09
1075	744847.63	4108662.94	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.90E-09	3.65E-09	1.84E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.75E-11	2.84E-09
1076	744852.37	4108686.88	1.20E-08	2.19E-08	1.20E-09	3.51E-08	1.86E-09	3.59E-09	1.80E-10	5.63E-09	1.81E-09	3.09E-09	2.29E-10	5.13E-09	1.03E-09	1.70E-09	5.64E-11	2.79E-09
1077	744857.11	4108710.82	1.18E-08	2.15E-08	1.18E-09	3.44E-08	1.83E-09	3.52E-09	1.77E-10	5.52E-09	1.78E-09	3.03E-09	2.24E-10	5.03E-09	1.01E-09	1.67E-09	5.53E-11	2.73E-09
1078	744861.84	4108734.76	1.15E-08	2.10E-08	1.15E-09	3.37E-08	1.79E-09	3.45E-09	1.73E-10	5.41E-09	1.74E-09	2.96E-09	2.20E-10	4.92E-09	9.88E-10	1.64E-09	5.42E-11	2.68E-09
1079	744866.58	4108758.7	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.37E-09	1.69E-10	5.29E-09	1.70E-09	2.90E-09	2.15E-10	4.82E-09	9.67E-10	1.60E-09	5.31E-11	2.62E-09
1080	744871.32	4108782.64	1.10E-08	2.01E-08	1.11E-09	3.23E-08	1.71E-09	3.30E-09	1.66E-10	5.18E-09	1.67E-09	2.84E-09	2.10E-10	4.72E-09	9.46E-10	1.57E-09	5.19E-11	2.56E-09
1081	744876.06	4108806.58	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.67E-09	3.23E-09	1.62E-10	5.06E-09	1.63E-09	2.78E-09	2.06E-10	4.61E-09	9.25E-10	1.53E-09	5.08E-11	2.51E-09
1082	744880.8	4108830.52	1.06E-08	1.92E-08	1.06E-09	3.08E-08	1.64E-09	3.15E-09	1.58E-10	4.95E-09	1.59E-09	2.71E-09	2.01E-10	4.51E-09	9.04E-10	1.50E-09	4.96E-11	2.45E-09
1083	744885.53	4108854.46	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.84E-09	1.56E-09	2.65E-09	1.97E-10	4.40E-09	8.84E-10	1.46E-09	4.85E-11	2.39E-09
1084	744890.27	4108878.4	1.01E-08	1.84E-08	1.01E-09	2.94E-08	1.56E-09	3.01E-09	1.51E-10	4.72E-09	1.52E-09	2.59E-09	1.92E-10	4.30E-09	8.64E-10	1.43E-09	4.74E-11	2.34E-09
1085	744895.01	4108902.34	9.85E-09	1.79E-08	9.85E-10	2.88E-08	1.53E-09	2.94E-09	1.48E-10	4.62E-09	1.48E-09	2.53E-09	1.88E-10	4.20E-09	8.44E-10	1.40E-09	4.63E-11	2.29E-09
1086	744899.75	4108926.28	9.62E-09	1.75E-08	9.63E-10	2.81E-08	1.49E-09	2.87E-09	1.44E-10	4.51E-09	1.45E-09	2.47E-09	1.83E-10	4.11E-09	8.24E-10	1.36E-09	4.52E-11	2.23E-09
1087	744904.49	4108950.22	9.40E-09	1.71E-08	9.40E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.01E-09	8.05E-10	1.33E-09	4.42E-11	2.18E-09
1088	744909.22	4108974.16	9.19E-09	1.67E-08	9.20E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.31E-09	1.39E-09	2.36E-09	1.75E-10	3.92E-09	7.88E-10	1.30E-09	4.32E-11	2.13E-09
1089	744913.96	4108998.1	9.00E-09	1.64E-08	9.00E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.22E-09	1.36E-09	2.31E-09	1.71E-10	3.84E-09	7.71E-10	1.28E-09	4.23E-11	2.09E-09
1090	744918.7	4109022.04	8.82E-09	1.61E-08	8.82E-10	2.58E-08	1.37E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.27E-09	1.68E-10	3.76E-09	7.56E-10	1.25E-09	4.14E-11	2.05E-09
1091	744923.44	4109045.98	8.66E-09	1.58E-08	8.67E-10	2.53E-08	1.34E-09	2.59E-09	1.30E-10	4.06E-09	1.31E-09	2.23E-09	1.65E-10	3.70E-09	7.42E-10	1.23E-09	4.07E-11	2.01E-09
1092	744928.18	4109069.92	8.53E-09	1.55E-08	8.53E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.19E-09	1.62E-10	3.64E-09	7.31E-10	1.21E-09	4.01E-11	1.98E-09
1093	744932.91	4109093.86	8.42E-09	1.53E-08	8.43E-10	2.46E-08	1.31E-09	2.52E-09	1.26E-10	3.95E-09	1.27E-09	2.16E-09	1.60E-10	3.60E-09	7.22E-10	1.19E-09	3.96E-11	1.96E-09
1094	744937.65	4109117.8	8.35E-09	1.52E-08	8.35E-10	2.44E-08	1.29E-09	2.49E-09	1.25E-10	3.91E-09	1.26E-09	2.15E-09	1.59E-10	3.56E-09	7.15E-10	1.18E-09	3.92E-11	1.94E-09
1095	744942.39	4109141.74	8.30E-09	1.51E-08	8.31E-10	2.43E-08	1.29E-09	2.48E-09	1.25E-10	3.89E-09	1.25E-09	2.13E-09	1.58E-10	3.54E-09	7.11E-10	1.18E-09	3.90E-11	1.93E-09
1096	744947.13	4109165.68	8.29E-09	1.51E-08	8.29E-10	2.42E-08	1.29E-09	2.48E-09	1.24E-10	3.89E-09	1.25E-09	2.13E-09	1.58E-10	3.54E-09	7.10E-10	1.18E-09	3.89E-11	1.92E-09
1097	744951.87	4109189.62	8.30E-09	1.51E-08	8.30E-10	2.42E-08	1.29E-09	2.48E-09	1.25E-10	3.89E-09	1.25E-09	2.13E-09	1.58E-10	3.54E-09	7.11E-10	1.18E-09	3.90E-11	1.93E-09
1098	744956.6	4109213.55	8.34E-09	1.52E-08	8.34E-10	2.44E-08	1.29E-09	2.49E-09	1.25E-10	3.91E-09	1.26E-09	2.14E-09	1.59E-10	3.56E-09	7.14E-10	1.18E-09	3.92E-11	1.94E-09
1099	744961.34	4109237.49	8.39E-09	1.53E-08	8.40E-10	2.45E-08	1.30E-09	2.51E-09	1.26E-10	3.94E-09	1.27E-09	2.16E-09	1.60E-10	3.58E-09	7.19E-10	1.19E-09	3.94E-11	1.95E-09
1100	744966.08	4109261.43	8.47E-09	1.54E-08	8.47E-10	2.47E-08	1.31E-09	2.53E-09	1.27E-10	3.97E-09	1.28E-09	2.18E-09	1.61E-10	3.61E-09	7.25E-10	1.20E-09	3.98E-11	1.97E-09
1101	744970.82	4109285.37	8.55E-09	1.56E-08	8.55E-10	2.50E-08	1.33E-09	2.55E-09	1.28E-10	4.01E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.32E-10	1.21E-09	4.02E-11	1.98E-09
1102	744975.56	4109309.31	8.63E-09	1.57E-08	8.63E-10	2.52E-08	1.34E-09	2.58E-09	1.29E-10	4.04E-09	1.30E-09	2.22E-09	1.64E-10	3.68E-09	7.39E-10	1.22E-09	4.05E-11	2.00E-09
1103	744980.29	4109333.25	8.70E-09	1.59E-08	8.71E-10	2.54E-08	1.35E-09	2.60E-09	1.31E-10	4.08E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.46E-10	1.23E-09	4.09E-11	2.02E-09
1104	744985.03	4109357.19	8.77E-09	1.60E-08	8.77E-10	2.56E-08	1.36E-09	2.62E-09	1.32E-10	4.11E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.51E-10	1.24E-09	4.12E-11	2.04E-09
1105	744989.77	4109381.13	8.82E-09	1.61E-08	8.82E-10	2.58E-08	1.37E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.27E-09	1.68E-10	3.76E-09	7.55E-10	1.25E-09	4.14E-11	2.05E-09
1106	744994.51	4109405.07	8.84E-09	1.61E-08	8.85E-10	2.58E-08	1.37E-09	2.64E-09	1.33E-10	4.15E-09	1.33E-09	2.27E-09	1.69E-10	3.78E-09	7.58E-10	1.25E-09	4.16E-11	2.05E-09
1107	744999.25	4109429.01	8.85E-09	1.61E-08	8.85E-10	2.59E-08	1.37E-09	2.64E-09	1.33E-10	4.15E-09	1.33E-09	2.27E-09	1.69E-10	3.78E-09	7.58E-10	1.25E-09	4.16E-11	2.05E-09
1108	745003.98	4109452.95	8.82E-09	1.61E-08	8.83E-10	2.58E-08	1.37E-09	2.64E-09	1.32E-10	4.14E-09	1.33E-09	2.27E-09	1.68E-10	3.77E-09	7.56E-10	1.25E-09	4.15E-11	2.05E-09
1109	745008.72	4109476.89	8.78E-09	1.60E-08	8.78E-10	2.56E-08	1.36E-09	2.62E-09	1.32E-10	4.12E-09	1.32E-09	2.26E-09	1.67E-10	3.75E-09	7.52E-10	1.24E-09	4.12E-11	2.04E-09
1110	745013.46	4109500.83	8.70E-09	1.59E-08	8.71E-10	2.54E-08	1.35E-09	2.60E-09	1.31E-10	4.08E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.46E-10	1.23E-09	4.09E-11	2.02E-09
1111	745018.2	4109524.77	8.61E-09	1.57E-08	8.61E-10	2.52E-08	1.33E-09	2.57E-09	1.29E-10	4.04E-09	1.30E-09	2.21E-09	1.64E-10	3.68E-09	7.38E-10	1.22E-09	4.05E-11	2.00E-09
1112	745022.94	4109548.71	8.49E-09	1.55E-08	8.50E-10	2.48E-08	1.32E-09	2.54E-09	1.27E-10	3.98E-09	1.28E-09	2.18E-09	1.62E-10	3.63E-09	7.28E-10	1.20E-09	3.99E-11	1.97E-09
1113	745027.68	4109572.65	8.36E-09	1.52E-08	8.37E-10	2.44E-08	1.30E-09	2.50E-09	1.26E-10	3.92E-09	1.26E-09	2.15E-09	1.59E-10	3.57E-09	7.17E-10	1.19E-09	3.93E-11	1.94E-09
1114	745032.41	4109596.59	8.22E-09	1.50E-08	8.23E-10	2.40E-08	1.28E-09	2.46E-09	1.23E-10	3.86E-09	1.24E-09	2.11E-09	1.57E-10	3.51E-09	7.05E-10	1.17E-09	3.86E-11	1.91E-09
1115	745037.15	4109620.53	8.07E-09	1.47E-08	8.08E-10	2.36E-08	1.25E-09	2.41E-09	1.21E-10	3.78E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.92E-10	1.14E-09	3.79E-11	1.87E-09
1116	745041.89	4109644.47	7.92E-09	1.44E-08	7.92E-10	2.31E-08	1.23E-09	2.37E-09	1.19E-10	3.71E-09	1.19E-09	2.04E-09	1.51E-10	3.38E-09	6.78E-10	1.12E-09	3.72E-11	1.84E-09
1117	745046.63	4109668.41	7.74E-09	1.41E-08	7.75E-10	2.26E-08	1.20E-09	2.31E-09	1.16E-10	3.63E-09	1.17E-09	1.99E-09	1.48E-10	3.31E-09	6.64E-10	1.10E-09	3.64E-11	1.80E-09
1118	745051.37	4109692.35	7.58E-09	1.38E-08	7.58E-10	2.21E-08	1.17E-09	2.26E-09	1.14E-10	3.55E-09	1.14E-09	1.95E-09	1.44E-10	3.23E-09	6.49E-10	1.07E-09	3.56E-11	1.76E-09
1119	745056.1	4109716.29	7.42E-09	1.35E-08	7.42E-10	2.17E-08	1.15E-09	2.22E-09	1.11E-10	3.48E-09	1.12E-09	1.91E-09	1.41E-10	3.17E-09	6.35E-10	1.05E-09	3.49E-11	1.72E-09
1120	745060.84	4109740.23	7.26E-09	1.32E-08	7.27E-10	2.12E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.38E-10	3.10E-09	6.22E-10	1.03E-09	3.41E-11	1.69E-09
1121	745065.58	4109764.17	7.13E-09	1.30E-08	7.13E-10	2.08E-08	1.11E-09	2.13E-09	1.07E-10	3.34E-09	1.07E-09	1.83E-09	1.36E-10	3.04E-09	6.11E-10	1.01E-09	3.35E-11	1.65E-09
1122	745070.32	4109788.11	7.03E-09	1.28E-08	7.04E-10	2.06E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.00E-09	6.03E-10	9.97E-10	3.31E-11	1.63E-09
1123	745075.06	4109812.04	6.91E-09	1.26E-08	6.92E-10	2.02E-08	1.07E-09	2.07E-09	1.04E-10	3.24E-09	1.04E-09	1.78E-09	1.32E-10	2.95E-09	5.92E-10	9.80E-10	3.25E-11	1.61E-09
1124	745079.79	4109835.98	6.80E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.02E-09	1.75E-09	1.30E-10	2.90E-09	5.82E-10	9.64E-10	3.19E-11	1.58E-09
1125	745084.53	4109859.92	6.68E-09	1.22E-08	6.68E-10	1.95E-08	1.04E-09	1.99E-09	1.00E-10	3.13E-09	1.01E-09	1.72E-09	1.27E-10	2.85E-09	5.72E-10	9.47E-10	3.14E-11	1.55E-09
1126	745089.27	4109883.86	6.55E-09	1.19E-08	6.56E-10	1.92E-08	1.02E-09	1.96E-09	9.84E-11	3.07E-09	9.88E-10	1.68E-09	1.25E-10	2.80E-09	5.62E-10	9.29E-10	3.08E-11	1.52E-09
1127	745094.01	4109907.8	6.41E-09	1.17E-08	6.42E-10	1.87E-08	9.94E-10	1.92E-09	9.62E-11	3.01E-09	9.67E-10	1.65E-09	1.22E-10	2.74E-09	5.50E-10	9.09E-10	3.01E-11	1.49E-09
1128	745098.75	4109931.74	6.31E-09	1.15E-08	6.31E-10	1.84E-08	9.79E-10	1.89E-09	9.47E-11	2.96E-09	9.52E-10	1.62E-09	1.20E-10	2.69E-09	5.41E-10	8.95E-10	2.97E-11	1.47E-09
1129	745103.48	4109955.68	6.21E-09	1.13E-08	6.22E-10	1.82E-08	9.64E-10	1.86E-09	9.33E-11	2.91E-09	9.37E-10	1.60E-09	1.18E-10	2.65E-09	5.32E-10	8.81E-10	2.92E-11	1.44E-09
1130	745108.22	4109979.62	6.12E-09	1.12E-08	6.13E-10	1.79E-08	9.49E-10	1.83E-09	9.19E-11	2.87E-09	9.23E-10	1.57E-09	1.17E-10	2.61E-09	5.25E-10	8.68E-10	2.88E-11	1.42E-09
1131	745112.96	4110003.56	6.07E-09	1.11E-08	6.07E-10	1.77E-08	9.41E-10	1.81E-09	9.11E-11	2.85E-09	9.15E-10	1.56E-09	1.16E-10	2.59E-09	5.20E-10	8.61E-10	2.85E-11	1.41E-09
1132	745117.7	4110027.5	5.99E-09	1.09E-08	5.99E-10	1.75E-08	9.29E-10	1.79E-09	8.99E-11	2.81E-09	9.03E-10	1.54E-09	1.14E-10	2.56E-09	5.13E-10	8.49E-10	2.81E-11	1.39E-09
1133	745122.44	4110051.44	5.91E-09	1.08E-08	5.91E-10	1.73E-08	9.16E-10	1.76E-09	8.87E-11	2.77E-09	8.91E-10	1.52E-09	1.13E-10	2.52E-09	5.06E-10	8.38E-10	2.78E-11	1.37E-09
1134	745127.17	4110075.38	5.83E-09	1.06E-08	5.84E-10	1.70E-08	9.05E-10	1.74E-09	8.76E-11	2.74E-09	8.80E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.27E-10	2.74E-11	1.35E-09
1135	745131.91	4110099.32	5.72E-09	1.04E-08	5.72E-10	1.67E-08	8.86E-10	1.71E-09	8.58E-11	2.68E-09	8.62E-10	1.47E-09	1.09E-10	2.44E-09	4.90E-10	8.10E-10	2.69E-11	1.33E-09
1136	745136.65	4110123.26	5.65E-09	1.03E-08	5.65E-10	1.65E-08	8.76E-10	1.69E-09	8.48E-11	2.65E-09	8.52E-10	1.45E-09	1.08E-10	2.41E-09	4.84E-10	8.01E-10	2.65E-11	1.31E-09
1137	745141.39	4110147.2	5.59E-09	1.02E-08	5.59E-10	1.63E-08	8.66E-10	1.67E-09	8.39E-11	2.62E-09	8.43E-10	1.44E-09	1.06E-10	2.39E-09	4.79E-10	7.92E-10	2.63E-11	1.30E-09
1138	745146.13	4110171.14	5.53E-09	1.01E-08	5.54E-10	1.62E-08	8.58E-10	1.65E-09	8.30E-11	2.59E-09	8.34E-10	1.42E-09	1.05E-10	2.36E-09	4.74E-10	7.85E-10	2.60E-11	1.28E-09
1139	745150.86	4110195.08	5.49E-09	1.00E-08	5.49E-10	1.60E-08	8.51E-10	1.64E-09	8.23E-11	2.57E-09	8.27E-10	1.41E-09	1.05E-10	2.34E-09	4.70E-10	7.78E-10	2.58E-11	1.27E-09
1140	745155.6	4110219.02	5.44E-09	9.92E-09	5.45E-10	1.59E-08	8.44E-10	1.63E-09	8.17E-11	2.55E-09	8.21E-10	1.40E-09	1.04E-10	2.32E-09	4.66E-10	7.72E-10	2.56E-11	1.26E-09
1141	745160.34	4110242.96	5.41E-09	9.85E-09	5.41E-10	1.58E-08	8.39E-10	1.62E-09	8.12E-11	2.54E-09	8.15E-10	1.39E-09	1.03E-10	2.31E-09	4.63E-10	7.67E-10	2.54E-11	1.26E-09
1142	745165.08	4110266.9	5.37E-09	9.79E-09	5.38E-10	1.57E-08	8.34E-10	1.61E-09	8.07E-11	2.52E-09	8.11E-10	1.38E-09	1.02E-10	2.29E-09	4.61E-10	7.62E-10	2.53E-11	1.25E-09
1143	745169.82	4110290.84	5.34E-09	9.74E-09	5.35E-10	1.56E-08	8.29E-10	1.60E-09	8.02E-11	2.51E-09	8.06E-10	1.37E-09	1.02E-10	2.28E-09	4.58E-10	7.58E-10	2.51E-11	1.24E-09
1144	745174.55	4110314.78	5.31E-09	9.68E-09	5.32E-10	1.55E-08	8.24E-10	1.59E-09	7.98E-11	2.49E-09	8.01E-10	1.37E-09	1.01E-10	2.27E-09	4.55E-10	7.53E-10	2.50E-11	1.23E-09
1145	745179.29	4110338.72	5.28E-09	9.63E-09	5.29E-10	1.54E-08	8.19E-10	1.58E-09	7.93E-11	2.48E-09	7.97E-10	1.36E-09	1.01E-10	2.26E-09	4.53E-10	7.49E-10	2.48E-11	1.23E-09
1146	745184.03	4110362.66	5.26E-09	9.58E-09	5.26E-10	1.54E-08	8.15E-10	1.57E-09	7.89E-11	2.46E-09	7.93E-10	1.35E-09	1.00E-10	2.24E-09	4.50E-10	7.45E-10	2.47E-11	1.22E-09
1147	745188.77	4110386.6	5.23E-09	9.52E-09	5.23E-10	1.53E-08	8.10E-10	1.56E-09	7.84E-11	2.45E-09	7.88E-10	1.34E-09	9.96E-11	2.23E-09	4.48E-10	7.41E-10	2.46E-11	1.21E-09
1148	745193.51	4110410.53	5.19E-09	9.47E-09	5.20E-10	1.52E-08	8.06E-10	1.55E-09	7.80E-11	2.44E-09	7.83E-10	1.34E-09	9.90E-11	2.22E-09	4.45E-10	7.37E-10	2.44E-11	1.21E-09
1149	745198.24	4110434.47	5.16E-09	9.41E-09	5.17E-10	1.51E-08	8.01E-10	1.54E-09	7.75E-11	2.42E-09	7.79E-10	1.33E-09	9.84E-11	2.20E-09	4.43E-10	7.32E-10	2.43E-11	1.20E-09
1150	745202.98	4110458.41	5.13E-09	9.36E-09	5.14E-10	1.50E-08	7.96E-10	1.53E-09	7.71E-11	2.41E-09	7.74E-10	1.32E-09	9.78E-11	2.19E-09	4.40E-10	7.28E-10	2.41E-11	1.19E-09
1151	745207.72	4110482.35	5.10E-09	9.30E-09	5.11E-10	1.49E-08	7.91E-10	1.52E-09	7.66E-11	2.39E-09	7.70E-10	1.31E-09	9.73E-11	2.18E-09	4.37E-10	7.24E-10	2.40E-11	1.18E-09
1152	745212.46	4110506.29	5.07E-09	9.24E-09	5.08E-10	1.48E-08	7.87E-10	1.52E-09	7.61E-11	2.38E-09	7.65E-10	1.30E-09	9.67E-11	2.17E-09	4.35E-10	7.19E-10	2.38E-11	1.18E-09
1153	745217.2	4110530.23	5.05E-09	9.19E-09	5.05E-10	1.47E-08	7.82E-10	1.51E-09	7.57E-11	2.37E-09	7.61E-10	1.30E-09	9.61E-11	2.15E-09	4.32E-10	7.15E-10	2.37E-11	1.17E-09

1154	745221.93	4110554.17	5.02E-09	9.14E-09	5.02E-10	1.47E-08	7.78E-10	1.50E-09	7.53E-11	2.35E-09	7.56E-10	1.29E-09	9.56E-11	2.14E-09	4.30E-10	7.11E-10	2.36E-11	1.16E-09
1155	745226.67	4110578.11	4.99E-09	9.09E-09	4.99E-10	1.46E-08	7.74E-10	1.49E-09	7.49E-11	2.34E-09	7.52E-10	1.28E-09	9.51E-11	2.13E-09	4.27E-10	7.07E-10	2.34E-11	1.16E-09
1156	745217.87	4110622.36	4.98E-09	9.08E-09	4.98E-10	1.46E-08	7.72E-10	1.49E-09	7.47E-11	2.33E-09	7.51E-10	1.28E-09	9.49E-11	2.13E-09	4.27E-10	7.06E-10	2.34E-11	1.16E-09
1157	745204.33	4110642.66	5.00E-09	9.11E-09	5.00E-10	1.46E-08	7.75E-10	1.49E-09	7.50E-11	2.34E-09	7.54E-10	1.28E-09	9.52E-11	2.13E-09	4.28E-10	7.09E-10	2.35E-11	1.16E-09
1158	745190.79	4110662.96	5.02E-09	9.14E-09	5.02E-10	1.47E-08	7.78E-10	1.50E-09	7.53E-11	2.35E-09	7.56E-10	1.29E-09	9.56E-11	2.14E-09	4.30E-10	7.11E-10	2.36E-11	1.16E-09
1159	745177.25	4110683.27	5.03E-09	9.17E-09	5.04E-10	1.47E-08	7.81E-10	1.50E-09	7.56E-11	2.36E-09	7.59E-10	1.29E-09	9.59E-11	2.15E-09	4.31E-10	7.14E-10	2.37E-11	1.17E-09
1160	745163.72	4110703.57	5.06E-09	9.21E-09	5.06E-10	1.48E-08	7.84E-10	1.51E-09	7.59E-11	2.37E-09	7.62E-10	1.30E-09	9.63E-11	2.16E-09	4.33E-10	7.17E-10	2.38E-11	1.17E-09
1161	745150.18	4110723.88	5.08E-09	9.26E-09	5.09E-10	1.49E-08	7.88E-10	1.52E-09	7.63E-11	2.38E-09	7.67E-10	1.31E-09	9.69E-11	2.17E-09	4.36E-10	7.21E-10	2.39E-11	1.18E-09
1162	745136.64	4110744.18	5.11E-09	9.32E-09	5.12E-10	1.49E-08	7.93E-10	1.53E-09	7.67E-11	2.40E-09	7.71E-10	1.31E-09	9.74E-11	2.18E-09	4.38E-10	7.25E-10	2.40E-11	1.19E-09
1163	745123.1	4110764.48	5.15E-09	9.38E-09	5.15E-10	1.50E-08	7.98E-10	1.54E-09	7.73E-11	2.41E-09	7.76E-10	1.32E-09	9.81E-11	2.20E-09	4.41E-10	7.30E-10	2.42E-11	1.20E-09
1164	745109.56	4110784.79	5.19E-09	9.45E-09	5.19E-10	1.52E-08	8.04E-10	1.55E-09	7.78E-11	2.43E-09	7.82E-10	1.33E-09	9.88E-11	2.21E-09	4.44E-10	7.35E-10	2.44E-11	1.20E-09
1165	745096.02	4110805.09	5.24E-09	9.54E-09	5.24E-10	1.53E-08	8.12E-10	1.56E-09	7.86E-11	2.45E-09	7.90E-10	1.35E-09	9.98E-11	2.24E-09	4.49E-10	7.42E-10	2.46E-11	1.22E-09
1166	745082.48	4110825.4	5.29E-09	9.64E-09	5.30E-10	1.55E-08	8.21E-10	1.58E-09	7.94E-11	2.48E-09	7.98E-10	1.36E-09	1.01E-10	2.26E-09	4.53E-10	7.50E-10	2.49E-11	1.23E-09
1167	745068.94	4110845.7	5.35E-09	9.75E-09	5.35E-10	1.56E-08	8.30E-10	1.60E-09	8.03E-11	2.51E-09	8.07E-10	1.38E-09	1.02E-10	2.28E-09	4.59E-10	7.59E-10	2.51E-11	1.24E-09
1168	745055.4	4110866	5.42E-09	9.88E-09	5.42E-10	1.58E-08	8.41E-10	1.62E-09	8.14E-11	2.54E-09	8.17E-10	1.39E-09	1.03E-10	2.31E-09	4.64E-10	7.69E-10	2.55E-11	1.26E-09
1169	745041.86	4110886.31	5.49E-09	1.00E-08	5.50E-10	1.61E-08	8.52E-10	1.64E-09	8.25E-11	2.58E-09	8.28E-10	1.41E-09	1.05E-10	2.35E-09	4.71E-10	7.79E-10	2.58E-11	1.28E-09
1170	745028.33	4110906.61	5.57E-09	1.01E-08	5.57E-10	1.63E-08	8.63E-10	1.66E-09	8.36E-11	2.61E-09	8.40E-10	1.43E-09	1.06E-10	2.38E-09	4.77E-10	7.89E-10	2.62E-11	1.29E-09
1171	745014.79	4110926.91	5.64E-09	1.03E-08	5.64E-10	1.65E-08	8.75E-10	1.68E-09	8.46E-11	2.64E-09	8.50E-10	1.45E-09	1.07E-10	2.41E-09	4.83E-10	8.00E-10	2.65E-11	1.31E-09
1172	745001.25	4110947.22	5.71E-09	1.04E-08	5.71E-10	1.67E-08	8.85E-10	1.71E-09	8.57E-11	2.68E-09	8.61E-10	1.47E-09	1.09E-10	2.44E-09	4.89E-10	8.09E-10	2.68E-11	1.33E-09
1173	744987.71	4110967.52	5.77E-09	1.05E-08	5.77E-10	1.69E-08	8.95E-10	1.72E-09	8.66E-11	2.71E-09	8.70E-10	1.48E-09	1.10E-10	2.46E-09	4.95E-10	8.18E-10	2.71E-11	1.34E-09
1174	744974.17	4110987.83	5.83E-09	1.06E-08	5.83E-10	1.70E-08	9.03E-10	1.74E-09	8.74E-11	2.73E-09	8.78E-10	1.50E-09	1.11E-10	2.49E-09	4.99E-10	8.26E-10	2.74E-11	1.35E-09
1175	744960.63	4111008.13	5.86E-09	1.07E-08	5.87E-10	1.71E-08	9.09E-10	1.75E-09	8.80E-11	2.75E-09	8.84E-10	1.51E-09	1.12E-10	2.50E-09	5.03E-10	8.31E-10	2.76E-11	1.36E-09
1176	744947.09	4111028.43	5.89E-09	1.07E-08	5.90E-10	1.72E-08	9.14E-10	1.76E-09	8.84E-11	2.76E-09	8.89E-10	1.51E-09	1.12E-10	2.52E-09	5.05E-10	8.36E-10	2.77E-11	1.37E-09
1177	744933.55	4111048.74	5.90E-09	1.08E-08	5.90E-10	1.72E-08	9.15E-10	1.76E-09	8.86E-11	2.77E-09	8.90E-10	1.52E-09	1.12E-10	2.52E-09	5.06E-10	8.37E-10	2.77E-11	1.37E-09
1178	744920.01	4111069.04	5.89E-09	1.07E-08	5.90E-10	1.72E-08	9.14E-10	1.76E-09	8.84E-11	2.76E-09	8.89E-10	1.51E-09	1.12E-10	2.52E-09	5.05E-10	8.36E-10	2.77E-11	1.37E-09
1179	744906.48	4111089.35	5.86E-09	1.07E-08	5.87E-10	1.71E-08	9.09E-10	1.75E-09	8.80E-11	2.75E-09	8.84E-10	1.51E-09	1.12E-10	2.50E-09	5.03E-10	8.31E-10	2.76E-11	1.36E-09
1180	744892.94	4111109.65	5.82E-09	1.06E-08	5.82E-10	1.70E-08	9.03E-10	1.74E-09	8.74E-11	2.73E-09	8.78E-10	1.50E-09	1.11E-10	2.49E-09	4.99E-10	8.25E-10	2.74E-11	1.35E-09
1181	744879.4	4111129.95	5.76E-09	1.05E-08	5.76E-10	1.68E-08	8.93E-10	1.72E-09	8.64E-11	2.70E-09	8.68E-10	1.48E-09	1.10E-10	2.46E-09	4.93E-10	8.16E-10	2.71E-11	1.34E-09
1182	744865.86	4111150.26	5.68E-09	1.04E-08	5.68E-10	1.66E-08	8.81E-10	1.70E-09	8.53E-11	2.66E-09	8.57E-10	1.46E-09	1.08E-10	2.43E-09	4.87E-10	8.05E-10	2.67E-11	1.32E-09
1183	744852.32	4111170.56	5.59E-09	1.02E-08	5.59E-10	1.63E-08	8.67E-10	1.67E-09	8.39E-11	2.62E-09	8.43E-10	1.44E-09	1.07E-10	2.39E-09	4.79E-10	7.93E-10	2.63E-11	1.30E-09
1184	744838.78	4111190.87	5.49E-09	1.00E-08	5.49E-10	1.60E-08	8.51E-10	1.64E-09	8.24E-11	2.57E-09	8.28E-10	1.41E-09	1.05E-10	2.34E-09	4.70E-10	7.78E-10	2.58E-11	1.27E-09
1185	744825.24	4111211.17	5.38E-09	9.80E-09	5.38E-10	1.57E-08	8.34E-10	1.61E-09	8.07E-11	2.52E-09	8.11E-10	1.38E-09	1.02E-10	2.30E-09	4.61E-10	7.62E-10	2.53E-11	1.25E-09
1186	744811.7	4111231.47	5.26E-09	9.59E-09	5.27E-10	1.54E-08	8.16E-10	1.57E-09	7.90E-11	2.47E-09	7.94E-10	1.35E-09	1.00E-10	2.25E-09	4.51E-10	7.46E-10	2.47E-11	1.22E-09
1187	744798.16	4111251.78	5.15E-09	9.38E-09	5.15E-10	1.50E-08	7.98E-10	1.54E-09	7.72E-11	2.41E-09	7.76E-10	1.32E-09	9.80E-11	2.20E-09	4.41E-10	7.30E-10	2.42E-11	1.19E-09
1188	744784.63	4111272.08	5.08E-09	9.26E-09	5.09E-10	1.49E-08	7.88E-10	1.52E-09	7.63E-11	2.38E-09	7.66E-10	1.31E-09	9.68E-11	2.17E-09	4.35E-10	7.21E-10	2.39E-11	1.18E-09
1189	744771.09	4111292.39	4.98E-09	9.08E-09	4.99E-10	1.46E-08	7.73E-10	1.49E-09	7.48E-11	2.34E-09	7.51E-10	1.28E-09	9.49E-11	2.13E-09	4.27E-10	7.06E-10	2.34E-11	1.16E-09
1190	744757.55	4111312.69	4.89E-09	8.90E-09	4.89E-10	1.43E-08	7.58E-10	1.46E-09	7.33E-11	2.29E-09	7.37E-10	1.26E-09	9.31E-11	2.09E-09	4.19E-10	6.93E-10	2.30E-11	1.13E-09
1191	744744.01	4111332.99	4.79E-09	8.74E-09	4.80E-10	1.40E-08	7.43E-10	1.43E-09	7.20E-11	2.25E-09	7.23E-10	1.23E-09	9.14E-11	2.05E-09	4.11E-10	6.80E-10	2.25E-11	1.11E-09
1192	744730.47	4111353.3	4.71E-09	8.58E-09	4.71E-10	1.38E-08	7.30E-10	1.41E-09	7.07E-11	2.21E-09	7.10E-10	1.21E-09	8.97E-11	2.01E-09	4.03E-10	6.67E-10	2.21E-11	1.09E-09
1193	744716.93	4111373.6	4.63E-09	8.43E-09	4.63E-10	1.35E-08	7.18E-10	1.38E-09	6.94E-11	2.17E-09	6.98E-10	1.19E-09	8.82E-11	1.98E-09	3.96E-10	6.56E-10	2.17E-11	1.07E-09
1194	744703.39	4111393.91	4.56E-09	8.30E-09	4.56E-10	1.33E-08	7.06E-10	1.36E-09	6.84E-11	2.14E-09	6.87E-10	1.17E-09	8.68E-11	1.94E-09	3.90E-10	6.46E-10	2.14E-11	1.06E-09
1195	744689.85	4111414.21	4.49E-09	8.19E-09	4.50E-10	1.31E-08	6.97E-10	1.34E-09	6.74E-11	2.11E-09	6.77E-10	1.15E-09	8.56E-11	1.92E-09	3.85E-10	6.37E-10	2.11E-11	1.04E-09
1196	744676.31	4111434.51	4.44E-09	8.09E-09	4.44E-10	1.30E-08	6.88E-10	1.33E-09	6.66E-11	2.08E-09	6.69E-10	1.14E-09	8.46E-11	1.89E-09	3.80E-10	6.29E-10	2.09E-11	1.03E-09
1197	744662.77	4111454.82	4.40E-09	8.01E-09	4.40E-10	1.28E-08	6.82E-10	1.31E-09	6.60E-11	2.06E-09	6.63E-10	1.13E-09	8.38E-11	1.88E-09	3.77E-10	6.23E-10	2.07E-11	1.02E-09
1198	744649.24	4111475.12	4.36E-09	7.94E-09	4.36E-10	1.27E-08	6.76E-10	1.30E-09	6.54E-11	2.04E-09	6.57E-10	1.12E-09	8.31E-11	1.86E-09	3.73E-10	6.18E-10	2.05E-11	1.01E-09
1199	744635.7	4111495.43	4.33E-09	7.89E-09	4.33E-10	1.27E-08	6.72E-10	1.29E-09	6.50E-11	2.03E-09	6.53E-10	1.11E-09	8.25E-11	1.85E-09	3.71E-10	6.14E-10	2.03E-11	1.01E-09
1200	744622.16	4111515.73	4.31E-09	7.85E-09	4.31E-10	1.26E-08	6.68E-10	1.29E-09	6.47E-11	2.02E-09	6.50E-10	1.11E-09	8.21E-11	1.84E-09	3.69E-10	6.11E-10	2.03E-11	1.00E-09
1201	744608.62	4111536.03	4.30E-09	7.83E-09	4.30E-10	1.26E-08	6.66E-10	1.28E-09	6.45E-11	2.01E-09	6.48E-10	1.10E-09	8.19E-11	1.83E-09	3.68E-10	6.09E-10	2.02E-11	9.97E-10
1202	744595.08	4111556.34	4.28E-09	7.81E-09	4.29E-10	1.25E-08	6.64E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.16E-11	1.83E-09	3.67E-10	6.08E-10	2.01E-11	9.95E-10
1203	744581.54	4111576.64	4.25E-09	7.74E-09	4.25E-10	1.24E-08	6.58E-10	1.27E-09	6.37E-11	1.99E-09	6.40E-10	1.09E-09	8.09E-11	1.81E-09	3.64E-10	6.02E-10	2.00E-11	9.86E-10
1204	744568	4111596.95	4.28E-09	7.79E-09	4.28E-10	1.25E-08	6.63E-10	1.28E-09	6.42E-11	2.00E-09	6.45E-10	1.10E-09	8.15E-11	1.83E-09	3.66E-10	6.06E-10	2.01E-11	9.93E-10
1205	744554.46	4111617.25	4.27E-09	7.78E-09	4.27E-10	1.25E-08	6.62E-10	1.28E-09	6.41E-11	2.00E-09	6.44E-10	1.10E-09	8.14E-11	1.82E-09	3.66E-10	6.06E-10	2.01E-11	9.92E-10
1206	744540.92	4111637.55	4.27E-09	7.78E-09	4.27E-10	1.25E-08	6.62E-10	1.28E-09	6.41E-11	2.00E-09	6.44E-10	1.10E-09	8.14E-11	1.82E-09	3.66E-10	6.05E-10	2.01E-11	9.91E-10
1207	744527.39	4111657.86	4.27E-09	7.78E-09	4.27E-10	1.25E-08	6.62E-10	1.28E-09	6.41E-11	2.00E-09	6.44E-10	1.10E-09	8.14E-11	1.82E-09	3.66E-10	6.06E-10	2.01E-11	9.92E-10
1208	744513.85	4111678.16	4.27E-09	7.78E-09	4.27E-10	1.25E-08	6.62E-10	1.28E-09	6.41E-11	2.00E-09	6.44E-10	1.10E-09	8.14E-11	1.82E-09	3.66E-10	6.06E-10	2.01E-11	9.92E-10
1209	744500.31	4111698.47	4.27E-09	7.78E-09	4.27E-10	1.25E-08	6.62E-10	1.28E-09	6.41E-11	2.00E-09	6.44E-10	1.10E-09	8.14E-11	1.82E-09	3.66E-10	6.06E-10	2.01E-11	9.92E-10
1210	744486.77	4111718.77	4.25E-09	7.75E-09	4.25E-10	1.24E-08	6.59E-10	1.27E-09	6.38E-11	1.99E-09	6.41E-10	1.09E-09	8.10E-11	1.82E-09	3.64E-10	6.03E-10	2.00E-11	9.87E-10
1211	744473.23	4111739.07	4.26E-09	7.77E-09	4.27E-10	1.25E-08	6.61E-10	1.27E-09	6.40E-11	2.00E-09	6.43E-10	1.10E-09	8.12E-11	1.82E-09	3.65E-10	6.04E-10	2.00E-11	9.90E-10
1212	744459.69	4111759.38	4.26E-09	7.76E-09	4.26E-10	1.24E-08	6.60E-10	1.27E-09	6.39E-11	2.00E-09	6.42E-10	1.09E-09	8.12E-11	1.82E-09	3.65E-10	6.04E-10	2.00E-11	9.89E-10
1213	744446.15	4111779.68	4.25E-09	7.75E-09	4.26E-10	1.24E-08	6.60E-10	1.27E-09	6.39E-11	1.99E-09	6.42E-10	1.09E-09	8.11E-11	1.82E-09	3.65E-10	6.03E-10	2.00E-11	9.88E-10
1214	744432.61	4111799.98	4.25E-09	7.75E-09	4.26E-10	1.24E-08	6.60E-10	1.27E-09	6.39E-11	1.99E-09	6.42E-10	1.09E-09	8.11E-11	1.82E-09	3.65E-10	6.03E-10	2.00E-11	9.88E-10
1215	744419.07	4111820.29	4.26E-09	7.76E-09	4.26E-10	1.24E-08	6.60E-10	1.27E-09	6.39E-11	2.00E-09	6.42E-10	1.09E-09	8.12E-11	1.82E-09	3.65E-10	6.04E-10	2.00E-11	9.89E-10
1216	744405.53	4111840.59	4.27E-09	7.79E-09	4.28E-10	1.25E-08	6.63E-10	1.28E-09	6.41E-11	2.00E-09	6.44E-10	1.10E-09	8.14E-11	1.82E-09	3.66E-10	6.06E-10	2.01E-11	9.92E-10
1217	744392	4111860.9	4.30E-09	7.84E-09	4.30E-10	1.26E-08	6.67E-10	1.29E-09	6.46E-11	2.02E-09	6.49E-10	1.11E-09	8.20E-11	1.84E-09	3.69E-10	6.10E-10	2.02E-11	9.99E-10
1218	744378.46	4111881.2	4.34E-09	7.91E-09	4.34E-10	1.27E-08	6.73E-10	1.30E-09	6.52E-11	2.04E-09	6.55E-10	1.12E-09	8.27E-11	1.85E-09	3.72E-10	6.16E-10	2.04E-11	1.01E-09
1219	744364.92	4111901.5	4.39E-09	8.00E-09	4.39E-10	1.28E-08	6.81E-10	1.31E-09	6.59E-11	2.06E-09	6.62E-10	1.13E-09	8.37E-11	1.87E-09	3.76E-10	6.23E-10	2.06E-11	1.02E-09
1220	744351.38	4111921.81	4.45E-09	8.11E-09	4.45E-10	1.30E-08	6.90E-10	1.33E-09	6.68E-11	2.09E-09	6.71E-10	1.14E-09	8.48E-11	1.90E-09	3.81E-10	6.31E-10	2.09E-11	1.03E-09
1221	744337.84	4111942.11	4.52E-09	8.24E-09	4.52E-10	1.32E-08	7.01E-10	1.35E-09	6.79E-11	2.12E-09	6.82E-10	1.16E-09	8.61E-11	1.93E-09	3.87E-10	6.41E-10	2.12E-11	1.05E-09
1222	744324.3	4111962.42	4.60E-09	8.38E-09	4.60E-10	1.34E-08	7.14E-10	1.37E-09	6.91E-11	2.16E-09	6.94E-10	1.18E-09	8.77E-11	1.96E-09	3.94E-10	6.52E-10	2.16E-11	1.07E-09
1223	744310.76	4111982.72	4.69E-09	8.55E-09	4.69E-10	1.37E-08	7.27E-10	1.40E-09	7.04E-11	2.20E-09	7.07E-10	1.21E-09	8.94E-11	2.00E-09	4.02E-10	6.65E-10	2.20E-11	1.09E-09
1224	744297.22	4112003.02	4.78E-09	8.71E-09	4.78E-10	1.40E-08	7.41E-10	1.43E-09	7.18E-11	2.24E-09	7.21E-10	1.23E-09	9.11E-11	2.04E-09	4.10E-10	6.78E-10	2.25E-11	1.11E-09
1225	744283.68	4112023.33	4.88E-09	8.89E-09	4.88E-10	1.42E-08	7.56E-10	1.46E-09	7.32E-11	2.29E-09	7.35E-10	1.25E-09	9.29E-11	2.08E-09	4.18E-10	6.91E-10	2.29E-11	1.13E-09
1226	744270.15	4112043.63	4.97E-09	9.05E-09	4.97E-10	1.45E-08	7.70E-10	1.48E-09	7.46E-11	2.33E-09	7.49E-10	1.28E-09	9.47E-11	2.12E-09	4.26E-10	7.04E-10	2.33E-11	1.15E-09
1227	744256.61	4112063.94	5.05E-09	9.21E-09	5.05E-10	1.48E-08	7.83E-10	1.51E-09	7.58E-11	2.37E-09	7.62E-10	1.30E-09	9.63E-11	2.16E-09	4.33E-10	7.16E-10	2.37E-11	1.17E-09
1228	744243.07	4112084.24	5.13E-09	9.34E-09	5.13E-10	1.50E-08	7.95E-10	1.53E-09	7.70E-11	2.40E-09	7.73E-10	1.32E-09	9.77E-11	2.19E-09	4.39E-10	7.27E-10	2.41E-11	1.19E-09
1229	744229.53	4112104.54	5.19E-09	9.45E-09	5.19E-10	1.52E-08	8.05E-10	1.55E-09	7.79E-11	2.43E-09	7.82E-10	1.33E-09	9.89E-11	2.22E-09	4.45E-10	7.36E-10	2.44E-11	1.20E-09
1230	744215.99	4112124.85	5.23E-09	9.53E-09	5.23E-10	1.53E-08	8.11E-10	1.56E-09	7.85E-11	2.45E-09	7.89E-10	1.34E-09	9.97E-11	2.23E-09	4.48E-10	7.42E-10	2.46E-11	1.21E-09
1231	744202.45	4112145.15	5.25E-09	9.57E-09	5.25E-10	1.53E-08	8.14E-10	1.57E-09	7.88E-11	2.46E-09	7.92E-10	1.35E-09	1.00E-10	2.24E-09	4.50E-10	7.45E-10	2.47E-11	1.22E-09
1232	744188.91	4112165.46	5.25E-09	9.56E-09	5.25E-10	1.53E-08	8.14E-10	1.57E-09	7.88E-11	2.46E-09	7.92E-10	1.35E-09	1.00E-10	2.24E-09	4.50E-10	7.44E-10	2.47E-11	1.22E-09
1233	744175.37	4112185.76	5.22E-09	9.51E-09	5.22E-10	1.53E-08	8.10E-10	1.56E-09	7.84E-11	2.45E-09	7.87E-10	1.34E-09	9.95E-11	2.23E-09	4.47E-10	7.40E-10	2.45E-11	1.21E-09
1234	744161.83	4112206.06	5.17E-09	9.41E-09	5.17E-10	1.51E-08	8.01E-10	1.54E-09	7.75E-11	2.42E-09	7.79E-10	1.33E-09	9.85E-11	2.21E-09	4.43E-10	7.33E-10	2.43E-11	1.20E-09
1235	744148.29	4112226.37	5.09E-09	9.27E-09	5.09E-10	1.49E-08	7.89E-10	1.52E-09	7.63E-11	2.38E-09	7.67E-10	1.31E-09	9.69E-11	2.17E-09	4.36E-10	7.21E-10	2.39E-11	1.18E-09
1236	744134.76	4112246.67	4.98E-09	9.08E-09	4.99E-10	1.46E-08	7.73E-10	1.49E-09	7.48E-11	2.34E-09	7.51E-10	1.28E-09	9.49E-11	2.13E-09	4.27E-10	7.06E-10	2.34E-11	1.16E-09
1237	744121.22	4112266.98	4.85E-09	8.85E-09	4.86E-10	1.42E-08	7.53E-10	1.45E-09	7.29E-11	2.28E-09	7.32E-10	1.25E-09	9.25E-11	2.07E-09	4.16E-10	6.88E-10	2.28E-11	1.13E-09
1238	744107.68	4112287.28	4.71E-09	8.58E-09	4.71E-10	1.38E-08	7.30E-10	1.41E-09	7.07E-11	2.21E-09	7.10E-10	1.21E-09	8.97E-11	2.01E-09	4.03E-10	6.67E-10	2.21E-11	1.09E-09
1239	744094.14	4112307.58	4.54E-09	8.28E-09	4.55E-10	1.33E-08	7.04E-10	1.36E-09	6.82E-11	2.13E-09	6.85E-10	1.17E-09	8.66E-11	1.94E-09	3.89E-10	6.44E-10	2.13E-11	1.05E-09
1240	744080.6	4112327.89	4.36E-09	7.95E-09	4.37E-10	1.28E-08	6.77E-10	1.30E-09	6.55E-11	2.05E-09	6.58E-10	1.12E-09	8.32E-11	1.86E-09	3.74E-10	6.19E-10	2.05E-11	1.01E-09
1241	744067.06	4112348.19	4.16E-09	7.58E-09	4.16E-10	1.22E-08	6.45E-10	1.24E-09	6.25E-11	1.95E-09	6.27E-10	1.07E-09	7.93E-11	1.78E-09	3.57E-10	5.90E-10	1.96E-11	9.66E-10
1242	744053.52	4112368.5	3.96E-09	7.21E-09	3.96E-10	1.16E-08	6.13E-10	1.18E-09	5.94E-11	1.85E-09	5.96E-10	1.02E-09	7.54E-11	1.69E-09	3.39E-10	5.61E-10	1.86E-11	9.18E-10

1243	744039.98	4112388.8	3.75E-09	6.84E-09	3.75E-10	1.10E-08	5.82E-10	1.12E-09	5.63E-11	1.76E-09	5.66E-10	9.64E-10	7.15E-11	1.60E-09	3.21E-10	5.32E-10	1.76E-11	8.71E-10
1244	744026.44	4112409.1	3.55E-09	6.47E-09	3.55E-10	1.04E-08	5.51E-10	1.06E-09	5.33E-11	1.67E-09	5.36E-10	9.13E-10	6.77E-11	1.52E-09	3.04E-10	5.04E-10	1.67E-11	8.25E-10
1245	744012.91	4112429.41	3.36E-09	6.13E-09	3.37E-10	9.83E-09	5.22E-10	1.00E-09	5.05E-11	1.58E-09	5.07E-10	8.65E-10	6.41E-11	1.44E-09	2.88E-10	4.77E-10	1.58E-11	7.81E-10
1246	743999.37	4112449.71	3.19E-09	5.81E-09	3.19E-10	9.32E-09	4.94E-10	9.52E-10	4.78E-11	1.49E-09	4.81E-10	8.20E-10	6.07E-11	1.36E-09	2.73E-10	4.52E-10	1.50E-11	7.40E-10
1247	743985.83	4112470.02	3.03E-09	5.53E-09	3.04E-10	8.87E-09	4.71E-10	9.06E-10	4.55E-11	1.42E-09	4.58E-10	7.80E-10	5.78E-11	1.30E-09	2.60E-10	4.30E-10	1.43E-11	7.04E-10
1248	743972.29	4112490.32	2.90E-09	5.29E-09	2.90E-10	8.48E-09	4.50E-10	8.67E-10	4.36E-11	1.36E-09	4.38E-10	7.46E-10	5.53E-11	1.24E-09	2.49E-10	4.11E-10	1.36E-11	6.74E-10
1249	743958.75	4112510.62	2.79E-09	5.08E-09	2.79E-10	8.14E-09	4.32E-10	8.33E-10	4.18E-11	1.31E-09	4.20E-10	7.16E-10	5.31E-11	1.19E-09	2.39E-10	3.95E-10	1.31E-11	6.47E-10
1250	743945.21	4112530.93	2.69E-09	4.91E-09	2.70E-10	7.87E-09	4.18E-10	8.05E-10	4.04E-11	1.26E-09	4.06E-10	6.93E-10	5.13E-11	1.15E-09	2.31E-10	3.82E-10	1.27E-11	6.25E-10
1251	743931.67	4112551.23	2.62E-09	4.78E-09	2.62E-10	7.66E-09	4.07E-10	7.83E-10	3.94E-11	1.23E-09	3.95E-10	6.74E-10	5.00E-11	1.12E-09	2.25E-10	3.72E-10	1.23E-11	6.09E-10
1252	744771.82	4108279.91	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.30E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.03E-11	2.98E-09
1253	744758.27	4108259.55	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.30E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.98E-09
1254	744744.72	4108239.19	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.29E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.97E-09
1255	744731.18	4108218.83	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.98E-09	3.82E-09	1.92E-10	6.00E-09	1.93E-09	3.29E-09	2.44E-10	5.46E-09	1.10E-09	1.81E-09	6.02E-11	2.97E-09
1256	744717.63	4108198.47	1.28E-08	2.33E-08	1.28E-09	3.73E-08	1.98E-09	3.82E-09	1.92E-10	5.99E-09	1.93E-09	3.29E-09	2.44E-10	5.46E-09	1.10E-09	1.81E-09	6.01E-11	2.97E-09
1257	744704.08	4108178.1	1.27E-08	2.32E-08	1.28E-09	3.73E-08	1.98E-09	3.81E-09	1.91E-10	5.98E-09	1.92E-09	3.28E-09	2.43E-10	5.44E-09	1.09E-09	1.81E-09	5.99E-11	2.96E-09
1258	744690.53	4108157.74	1.27E-08	2.32E-08	1.27E-09	3.71E-08	1.97E-09	3.80E-09	1.91E-10	5.96E-09	1.92E-09	3.27E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.97E-11	2.95E-09
1259	744676.98	4108137.38	1.26E-08	2.30E-08	1.27E-09	3.69E-08	1.96E-09	3.78E-09	1.90E-10	5.93E-09	1.91E-09	3.25E-09	2.41E-10	5.40E-09	1.08E-09	1.79E-09	5.94E-11	2.94E-09
1260	744663.43	4108117.02	1.26E-08	2.29E-08	1.26E-09	3.67E-08	1.95E-09	3.75E-09	1.89E-10	5.89E-09	1.89E-09	3.23E-09	2.39E-10	5.36E-09	1.08E-09	1.78E-09	5.91E-11	2.92E-09
1261	742069.08	4109813.33	9.15E-07	1.67E-06	9.16E-08	2.67E-06	1.42E-07	2.73E-07	1.37E-08	4.29E-07	1.38E-07	2.35E-07	1.74E-08	3.91E-07	7.84E-08	1.30E-07	4.30E-09	2.13E-07
1262	742048.44	4109826.58	9.96E-07	1.82E-06	9.97E-08	2.91E-06	1.54E-07	2.98E-07	1.50E-08	4.67E-07	1.50E-07	2.56E-07	1.90E-08	4.25E-07	8.54E-08	1.41E-07	4.68E-09	2.31E-07
1263	742027.8	4109839.84	1.07E-06	1.95E-06	1.07E-07	3.13E-06	1.66E-07	3.20E-07	1.61E-08	5.03E-07	1.62E-07	2.76E-07	2.04E-08	4.58E-07	9.19E-08	1.52E-07	5.04E-09	2.49E-07
1264	742007.16	4109853.1	1.15E-06	2.10E-06	1.15E-07	3.37E-06	1.79E-07	3.45E-07	1.73E-08	5.41E-07	1.74E-07	2.97E-07	2.20E-08	4.92E-07	9.88E-08	1.64E-07	5.42E-09	2.68E-07
1265	741986.53	4109866.35	1.22E-06	2.23E-06	1.23E-07	3.58E-06	1.90E-07	3.66E-07	1.84E-08	5.74E-07	1.85E-07	3.15E-07	2.33E-08	5.23E-07	1.05E-07	1.74E-07	5.76E-09	2.84E-07
1266	741965.89	4109879.61	1.28E-06	2.33E-06	1.28E-07	3.74E-06	1.98E-07	3.82E-07	1.92E-08	6.00E-07	1.93E-07	3.29E-07	2.44E-08	5.46E-07	1.10E-07	1.81E-07	6.01E-09	2.97E-07
1267	741945.25	4109892.87	1.32E-06	2.41E-06	1.32E-07	3.86E-06	2.05E-07	3.95E-07	1.98E-08	6.20E-07	1.99E-07	3.40E-07	2.52E-08	5.64E-07	1.13E-07	1.87E-07	6.21E-09	3.07E-07
1268	742074.2	4109788.86	6.43E-07	1.17E-06	6.43E-08	1.88E-06	9.97E-08	1.92E-07	9.65E-09	3.01E-07	9.69E-08	1.65E-07	1.22E-08	2.74E-07	5.51E-08	9.11E-08	3.02E-09	1.49E-07
1269	742034.93	4109805.55	6.48E-07	1.18E-06	6.48E-08	1.89E-06	1.00E-07	1.94E-07	9.73E-09	3.04E-07	9.77E-08	1.67E-07	1.23E-08	2.77E-07	5.55E-08	9.19E-08	3.05E-09	1.50E-07
1270	742014.29	4109818.8	6.86E-07	1.25E-06	6.87E-08	2.01E-06	1.06E-07	2.05E-07	1.03E-08	3.22E-07	1.03E-07	1.76E-07	1.31E-08	2.93E-07	5.88E-08	9.73E-08	3.22E-09	1.59E-07
1271	741993.65	4109832.06	7.26E-07	1.32E-06	7.27E-08	2.12E-06	1.13E-07	2.17E-07	1.09E-08	3.41E-07	1.10E-07	1.87E-07	1.38E-08	3.10E-07	6.22E-08	1.03E-07	3.41E-09	1.69E-07
1272	741973.01	4109845.32	7.71E-07	1.41E-06	7.71E-08	2.25E-06	1.20E-07	2.30E-07	1.16E-08	3.61E-07	1.16E-07	1.98E-07	1.47E-08	3.29E-07	6.61E-08	1.09E-07	3.62E-09	1.79E-07
1273	741952.38	4109858.57	8.15E-07	1.48E-06	8.15E-08	2.38E-06	1.26E-07	2.43E-07	1.22E-08	3.82E-07	1.23E-07	2.09E-07	1.55E-08	3.48E-07	6.98E-08	1.16E-07	3.83E-09	1.89E-07
1274	741931.74	4109871.83	8.50E-07	1.55E-06	8.51E-08	2.49E-06	1.32E-07	2.54E-07	1.28E-08	3.99E-07	1.28E-07	2.19E-07	1.62E-08	3.63E-07	7.29E-08	1.21E-07	4.00E-09	1.97E-07
1275	742060.69	4109767.82	4.66E-07	8.49E-07	4.66E-08	1.36E-06	7.23E-08	1.39E-07	7.00E-09	2.19E-07	7.03E-08	1.20E-07	8.88E-09	1.99E-07	3.99E-08	6.61E-08	2.19E-09	1.08E-07
1276	742113.65	4109771.57	6.09E-07	1.11E-06	6.09E-08	1.78E-06	9.45E-08	1.82E-07	9.14E-09	2.86E-07	9.18E-08	1.57E-07	1.16E-08	2.60E-07	5.22E-08	8.64E-08	2.86E-09	1.41E-07
1277	742021.42	4109784.51	4.68E-07	8.52E-07	4.68E-08	1.37E-06	7.25E-08	1.40E-07	7.02E-09	2.19E-07	7.05E-08	1.20E-07	8.91E-09	2.00E-07	4.01E-08	6.63E-08	2.20E-09	1.09E-07
1278	742000.78	4109797.77	4.91E-07	8.95E-07	4.91E-08	1.43E-06	7.61E-08	1.47E-07	7.37E-09	2.30E-07	7.40E-08	1.26E-07	9.35E-09	2.10E-07	4.21E-08	6.96E-08	2.31E-09	1.14E-07
1279	741980.14	4109811.03	5.15E-07	9.38E-07	5.15E-08	1.50E-06	7.98E-08	1.54E-07	7.73E-09	2.41E-07	7.76E-08	1.32E-07	9.81E-09	2.20E-07	4.41E-08	7.30E-08	2.42E-09	1.20E-07
1280	741959.5	4109824.28	5.42E-07	9.87E-07	5.42E-08	1.58E-06	8.40E-08	1.62E-07	8.13E-09	2.54E-07	8.17E-08	1.39E-07	1.03E-08	2.31E-07	4.64E-08	7.68E-08	2.55E-09	1.26E-07
1281	741938.86	4109837.54	5.71E-07	1.04E-06	5.71E-08	1.67E-06	8.86E-08	1.71E-07	8.57E-09	2.68E-07	8.61E-08	1.47E-07	1.09E-08	2.44E-07	4.89E-08	8.10E-08	2.68E-09	1.33E-07
1282	741918.23	4109850.8	5.98E-07	1.09E-06	5.99E-08	1.75E-06	9.28E-08	1.79E-07	8.98E-09	2.80E-07	9.02E-08	1.54E-07	1.14E-08	2.55E-07	5.13E-08	8.48E-08	2.81E-09	1.39E-07
1283	742047.18	4109746.79	3.58E-07	6.53E-07	3.58E-08	1.05E-06	5.56E-08	1.07E-07	5.38E-09	1.68E-07	5.40E-08	9.21E-08	6.83E-09	1.53E-07	3.07E-08	5.08E-08	1.68E-09	8.32E-08
1284	742084.45	4109739.92	3.85E-07	7.01E-07	3.85E-08	1.12E-06	5.97E-08	1.15E-07	5.78E-09	1.80E-07	5.80E-08	9.89E-08	7.33E-09	1.64E-07	3.30E-08	5.46E-08	1.81E-09	8.94E-08
1285	742118.77	4109747.1	4.66E-07	8.49E-07	4.66E-08	1.36E-06	7.23E-08	1.39E-07	6.99E-09	2.18E-07	7.03E-08	1.20E-07	8.88E-09	1.99E-07	3.99E-08	6.61E-08	2.19E-09	1.08E-07
1286	742007.91	4109763.48	3.58E-07	6.53E-07	3.59E-08	1.05E-06	5.56E-08	1.07E-07	5.38E-09	1.68E-07	5.41E-08	9.21E-08	6.83E-09	1.53E-07	3.07E-08	5.08E-08	1.68E-09	8.32E-08
1287	741987.27	4109776.74	3.75E-07	6.82E-07	3.75E-08	1.09E-06	5.81E-08	1.12E-07	5.62E-09	1.76E-07	5.65E-08	9.63E-08	7.14E-09	1.60E-07	3.21E-08	5.31E-08	1.76E-09	8.70E-08
1288	741966.63	4109789.99	3.91E-07	7.13E-07	3.92E-08	1.14E-06	6.07E-08	1.17E-07	5.88E-09	1.84E-07	5.90E-08	1.01E-07	7.46E-09	1.67E-07	3.35E-08	5.55E-08	1.84E-09	9.09E-08
1289	741945.99	4109803.25	4.09E-07	7.45E-07	4.09E-08	1.19E-06	6.34E-08	1.22E-07	6.14E-09	1.92E-07	6.17E-08	1.05E-07	7.79E-09	1.75E-07	3.50E-08	5.80E-08	1.92E-09	9.49E-08
1290	741925.35	4109816.51	4.28E-07	7.80E-07	4.28E-08	1.25E-06	6.64E-08	1.28E-07	6.43E-09	2.01E-07	6.46E-08	1.10E-07	8.16E-09	1.83E-07	3.67E-08	6.07E-08	2.01E-09	9.94E-08
1291	741904.72	4109829.76	4.48E-07	8.16E-07	4.48E-08	1.31E-06	6.94E-08	1.34E-07	6.72E-09	2.10E-07	6.75E-08	1.15E-07	8.53E-09	1.91E-07	3.84E-08	6.35E-08	2.10E-09	1.04E-07
1292	742023.88	4109704.03	2.38E-07	4.33E-07	2.38E-08	6.95E-07	3.69E-08	7.10E-08	3.57E-09	1.11E-07	3.59E-08	6.11E-08	4.53E-09	1.02E-07	2.04E-08	3.37E-08	1.12E-09	5.52E-08
1293	742046.24	4109699.91	2.46E-07	4.49E-07	2.46E-08	7.20E-07	3.82E-08	7.36E-08	3.70E-09	1.15E-07	3.71E-08	6.33E-08	4.69E-09	1.05E-07	2.11E-08	3.49E-08	1.16E-09	5.72E-08
1294	742068.6	4109695.79	2.55E-07	4.64E-07	2.55E-08	7.44E-07	3.95E-08	7.61E-08	3.82E-09	1.19E-07	3.84E-08	6.54E-08	4.85E-09	1.09E-07	2.18E-08	3.61E-08	1.20E-09	5.91E-08
1295	742090.96	4109691.66	2.62E-07	4.78E-07	2.62E-08	7.66E-07	4.07E-08	7.83E-08	3.94E-09	1.23E-07	3.95E-08	6.74E-08	5.00E-09	1.12E-07	2.25E-08	3.72E-08	1.23E-09	6.09E-08
1296	742132.15	4109700.29	3.11E-07	5.68E-07	3.12E-08	9.10E-07	4.83E-08	9.31E-08	4.67E-09	1.46E-07	4.70E-08	8.01E-08	5.94E-09	1.33E-07	2.67E-08	4.42E-08	1.46E-09	7.23E-08
1297	742150.98	4109713.03	3.66E-07	6.67E-07	3.66E-08	1.07E-06	5.68E-08	1.09E-07	5.49E-09	1.72E-07	5.52E-08	9.41E-08	6.97E-09	1.56E-07	3.14E-08	5.19E-08	1.72E-09	8.50E-08
1298	742169.81	4109725.77	4.34E-07	7.91E-07	4.34E-08	1.27E-06	6.73E-08	1.30E-07	6.51E-09	2.03E-07	6.54E-08	1.12E-07	8.27E-09	1.85E-07	3.72E-08	6.15E-08	2.04E-09	1.01E-07
1299	742001.52	4109708.15	2.30E-07	4.19E-07	2.30E-08	6.71E-07	3.56E-08	6.86E-08	3.45E-09	1.08E-07	3.46E-08	5.90E-08	4.38E-09	9.81E-08	1.97E-08	3.26E-08	1.08E-09	5.33E-08
1300	741980.88	4109721.41	2.37E-07	4.32E-07	2.37E-08	6.92E-07	3.67E-08	7.08E-08	3.56E-09	1.11E-07	3.57E-08	6.09E-08	4.52E-09	1.01E-07	2.03E-08	3.36E-08	1.11E-09	5.50E-08
1301	741960.25	4109734.67	2.45E-07	4.47E-07	2.46E-08	7.17E-07	3.81E-08	7.33E-08	3.68E-09	1.15E-07	3.70E-08	6.31E-08	4.68E-09	1.05E-07	2.10E-08	3.48E-08	1.15E-09	5.70E-08
1302	741939.61	4109747.92	2.54E-07	4.64E-07	2.55E-08	7.44E-07	3.95E-08	7.60E-08	3.82E-09	1.19E-07	3.84E-08	6.54E-08	4.85E-09	1.09E-07	2.18E-08	3.61E-08	1.20E-09	5.91E-08
1303	741918.97	4109761.18	2.63E-07	4.79E-07	2.63E-08	7.69E-07	4.08E-08	7.86E-08	3.95E-09	1.23E-07	3.97E-08	6.76E-08	5.01E-09	1.12E-07	2.25E-08	3.73E-08	1.24E-09	6.11E-08
1304	741898.33	4109774.44	2.72E-07	4.96E-07	2.72E-08	7.95E-07	4.22E-08	8.13E-08	4.08E-09	1.28E-07	4.10E-08	6.99E-08	5.18E-09	1.16E-07	2.33E-08	3.86E-08	1.28E-09	6.31E-08
1305	741877.69	4109787.69	2.82E-07	5.13E-07	2.82E-08	8.23E-07	4.37E-08	8.42E-08	4.23E-09	1.32E-07	4.25E-08	7.24E-08	5.37E-09	1.20E-07	2.41E-08	3.99E-08	1.32E-09	6.54E-08
1306	741995.8	4109662.16	1.72E-07	3.14E-07	1.72E-08	5.04E-07	2.67E-08	5.15E-08	2.59E-09	8.08E-08	2.60E-08	4.43E-08	3.28E-09	7.36E-08	1.48E-08	2.44E-08	8.10E-10	4.00E-08
1307	742038.39	4109654.31	1.81E-07	3.31E-07	1.82E-08	5.30E-07	2.81E-08	5.42E-08	2.72E-09	8.51E-08	2.74E-08	4.66E-08	3.46E-09	7.75E-08	1.55E-08	2.57E-08	8.53E-10	4.21E-08
1308	742080.98	4109646.45	1.90E-07	3.45E-07	1.90E-08	5.54E-07	2.94E-08	5.66E-08	2.85E-09	8.89E-08	2.86E-08	4.87E-08	3.61E-09	8.09E-08	1.62E-08	2.69E-08	8.91E-10	4.40E-08
1309	742141.5	4109650.74	2.20E-07	4.01E-07	2.20E-08	6.43E-07	3.41E-08	6.57E-08	3.30E-09	1.03E-07	3.32E-08	5.66E-08	4.19E-09	9.39E-08	1.89E-08	3.12E-08	1.03E-09	5.11E-08
1310	742177.37	4109675.01	2.83E-07	5.16E-07	2.84E-08	8.28E-07	4.39E-08	8.47E-08	4.25E-09	1.33E-07	4.27E-08	7.29E-08	5.40E-09	1.21E-07	2.43E-08	4.02E-08	1.33E-09	6.58E-08
1311	742213.23	4109699.29	3.75E-07	6.83E-07	3.75E-08	1.10E-06	5.82E-08	1.12E-07	5.63E-09	1.76E-07	5.65E-08	9.64E-08	7.15E-09	1.60E-07	3.21E-08	5.32E-08	1.76E-09	8.71E-08
1312	741953.86	4109679.34	1.71E-07	3.12E-07	1.71E-08	5.00E-07	2.65E-08	5.11E-08	2.57E-09	8.02E-08	2.58E-08	4.40E-08	3.26E-09	7.30E-08	1.47E-08	2.43E-08	8.04E-10	3.97E-08
1313	741933.22	4109692.6	1.76E-07	3.20E-07	1.76E-08	5.13E-07	2.72E-08	5.25E-08	2.64E-09	8.23E-08	2.65E-08	4.51E-08	3.35E-09	7.50E-08	1.50E-08	2.49E-08	8.25E-10	4.08E-08
1314	741912.59	4109705.85	1.81E-07	3.30E-07	1.81E-08	5.28E-07	2.80E-08	5.40E-08	2.71E-09	8.48E-08	2.73E-08	4.65E-08	3.45E-09	7.72E-08	1.55E-08	2.56E-08	8.50E-10	4.20E-08
1315	741891.95	4109719.11	1.86E-07	3.39E-07	1.86E-08	5.44E-07	2.89E-08	5.56E-08	2.79E-09	8.72E-08	2.81E-08	4.78E-08	3.55E-09	7.94E-08	1.59E-08	2.64E-08	8.75E-10	4.32E-08
1316	741871.31	4109732.37	1.91E-07	3.49E-07	1.91E-08	5.59E-07	2.97E-08	5.72E-08	2.87E-09	8.97E-08	2.89E-08	4.92E-08	3.65E-09	8.17E-08	1.64E-08	2.71E-08	8.99E-10	4.44E-08
1317	741850.67	4109745.62	1.97E-07	3.58E-07	1.97E-08	5.75E-07	3.05E-08	5.88E-08	2.95E-09	9.22E-08	2.97E-08	5.06E-08	3.75E-09	8.40E-08	1.69E-08	2.79E-08	9.24E-10	4.57E-08
1318	741970.77	4109619.72	1.32E-07	2.40E-07	1.32E-08	3.86E-07	2.05E-08	3.94E-08	1.98E-09	6.19E-08	1.99E-08	3.39E-08	2.51E-09	5.63E-08	1.13E-08	1.87E-08	6.20E-10	3.06E-08
1319	741994.06	4109615.43	1.36E-07	2.47E-07	1.36E-08	3.97E-07	2.10E-08	4.05E-08	2.04E-09	6.36E-08	2.05E-08	3.49E-08	2.59E-09	5.79E-08	1.16E-08	1.92E-08	6.38E-10	3.15E-08
1320	742017.35	4109611.13	1.39E-07	2.53E-07	1.39E-08	4.06E-07	2.16E-08	4.15E-08	2.09E-09	6.52E-08	2.10E-08	3.57E-08	2.65E-09	5.93E-08	1.19E-08	1.97E-08	6.53E-10	3.23E-08
1321	742040.64	4109606.84	1.42E-07	2.58E-07	1.42E-08	4.14E-07	2.20E-08	4.24E-08	2.13E-09	6.65E-08	2.14E-08	3.65E-08	2.70E-09	6.05E-08	1.22E-08	2.01E-08	6.67E-10	3.29E-08
1322	742063.94	4109602.55	1.44E-07	2.63E-07	1.45E-08	4.22E-07	2.24E-08	4.32E-08	2.17E-09	6.77E-08	2.18E-08	3.71E-08	2.75E-09	6.17E-08	1.24E-08	2.05E-08	6.79E-10	3.35E-08
1323	742087.23	4109598.25	1.47E-07	2.68E-07	1.47E-08	4.30E-07	2.28E-08	4.39E-08	2.21E-09	6.90E-08	2.22E-08	3.78E-08	2.80E-09	6.28E-08	1.26E-08	2.09E-08	6.91E-10	3.41E-08
1324	742110.52	4109593.96	1.50E-07	2.73E-07	1.50E-08	4.37E-07	2.32E-08	4.47E-08	2.25E-09	7.02E-08	2.26E-08	3.85E-08	2.85E-09	6.39E-08	1.28E-08	2.12E-08	7.03E-10	3.47E-08
1325	742153.43	4109602.94	1.68E-07	3.07E-07	1.68E-08	4.92E-07	2.61E-08	5.03E-08	2.52E-09	7.89E-08	2.54E-08	4.32E-08	3.21E-09	7.18E-08	1.44E-08	2.39E-08	7.91E-10	3.91E-08
1326	742173.04	4109616.21	1.87E-07	3.42E-07	1.88E-08	5.48E-07	2.91E-08	5.60E-08	2.81E-09	8.79E-08	2.83E-08	4.82E-08	3.57E-09	8.00E-08	1.61E-08	2.66E-08	8.81E-10	4.35E-08
1327	742192.65	4109629.49	2.11E-07	3.85E-07	2.11E-08	6.17E-07	3.28E-08	6.31E-08	3.17E-09	9.90E-08	3.19E-08	5.43E-08	4.03E-09	9.02E-08	1.81E-08	3.00E-08	9.93E-10	4.90E-08
1328	742212.27	4109642.76	2.41E-07	4.39E-07	2.41E-08	7.03E-07	3.73E-08	7.19E-08	3.61E-09	1.13E-07	3.63E-08	6.19E-08	4.59E-09	1.03E-07	2.06E-08	3.41E-08	1.13E-09	5.59E-08
1329	742231.88	4109656.04	2.76E-07	5.03E-07	2.76E-08	8.06E-07	4.28E-08	8.24E-08	4.14E-09	1.29E-07	4.16E-08	7.09E-08	5.26E-09	1.18E-07	2.36E-08	3.91E-08	1.30E-09	6.41E-08
1330	742251.49	4109669.31	3.15E-07	5.75E-07	3.15E-08	9.21E-07	4.89E-08	9.42E-08	4.73E-09	1.48E-07	4.75E-08	8.10E-08	6.01E-09	1.35E-07	2.70E-08	4.47E-08	1.48E-09	7.32E-08
1331	742271.11	4109682.59	3.57E-07	6.50E-07	3.57E-08	1.04E-06	5.53E-08	1.07E-07	5.35E-09	1.67E-07	5.38E-08	9.17E-08	6.80E-09	1.52E-07	3.06E-08	5.06E-08	1.68E-09	8.28E-08

1332	741947.48	4109624.02	1.28E-07	2.33E-07	1.28E-08	3.74E-07	1.99E-08	3.83E-08	1.92E-09	6.00E-08	1.93E-08	3.29E-08	2.44E-09	5.47E-08	1.10E-08	1.82E-08	6.02E-10	2.97E-08
1333	741926.84	4109637.27	1.30E-07	2.37E-07	1.30E-08	3.81E-07	2.02E-08	3.89E-08	1.96E-09	6.11E-08	1.96E-08	3.35E-08	2.48E-09	5.56E-08	1.12E-08	1.85E-08	6.12E-10	3.02E-08
1334	741906.2	4109650.53	1.33E-07	2.43E-07	1.33E-08	3.89E-07	2.06E-08	3.98E-08	2.00E-09	6.24E-08	2.01E-08	3.42E-08	2.54E-09	5.68E-08	1.14E-08	1.89E-08	6.25E-10	3.09E-08
1335	741885.56	4109663.79	1.37E-07	2.49E-07	1.37E-08	3.99E-07	2.12E-08	4.08E-08	2.05E-09	6.40E-08	2.06E-08	3.51E-08	2.60E-09	5.83E-08	1.17E-08	1.94E-08	6.42E-10	3.17E-08
1336	741864.93	4109677.04	1.40E-07	2.55E-07	1.40E-08	4.10E-07	2.17E-08	4.19E-08	2.10E-09	6.57E-08	2.11E-08	3.60E-08	2.67E-09	5.98E-08	1.20E-08	1.99E-08	6.59E-10	3.25E-08
1337	741844.29	4109690.3	1.44E-07	2.62E-07	1.44E-08	4.20E-07	2.23E-08	4.29E-08	2.16E-09	6.73E-08	2.17E-08	3.69E-08	2.74E-09	6.13E-08	1.23E-08	2.04E-08	6.75E-10	3.34E-08
1338	741823.65	4109703.56	1.47E-07	2.68E-07	1.47E-08	4.29E-07	2.28E-08	4.39E-08	2.20E-09	6.89E-08	2.22E-08	3.78E-08	2.80E-09	6.27E-08	1.26E-08	2.08E-08	6.90E-10	3.41E-08
1339	741942.82	4109577.82	1.04E-07	1.90E-07	1.04E-08	3.05E-07	1.62E-08	3.12E-08	1.57E-09	4.89E-08	1.57E-08	2.68E-08	1.99E-09	4.45E-08	8.94E-09	1.48E-08	4.90E-10	2.42E-08
1340	741965.18	4109573.7	1.07E-07	1.95E-07	1.07E-08	3.12E-07	1.66E-08	3.19E-08	1.60E-09	5.01E-08	1.61E-08	2.75E-08	2.04E-09	4.56E-08	9.15E-09	1.51E-08	5.02E-10	2.48E-08
1341	741987.54	4109569.58	1.09E-07	1.99E-07	1.09E-08	3.19E-07	1.69E-08	3.26E-08	1.64E-09	5.12E-08	1.65E-08	2.81E-08	2.08E-09	4.67E-08	9.36E-09	1.55E-08	5.14E-10	2.54E-08
1342	742009.9	4109565.46	1.12E-07	2.03E-07	1.12E-08	3.26E-07	1.73E-08	3.33E-08	1.67E-09	5.23E-08	1.68E-08	2.87E-08	2.13E-09	4.76E-08	9.56E-09	1.58E-08	5.24E-10	2.59E-08
1343	742032.26	4109561.34	1.14E-07	2.07E-07	1.14E-08	3.32E-07	1.76E-08	3.39E-08	1.70E-09	5.32E-08	1.71E-08	2.92E-08	2.16E-09	4.85E-08	9.73E-09	1.61E-08	5.34E-10	2.64E-08
1344	742054.62	4109557.21	1.15E-07	2.10E-07	1.15E-08	3.37E-07	1.79E-08	3.45E-08	1.73E-09	5.41E-08	1.74E-08	2.97E-08	2.20E-09	4.93E-08	9.89E-09	1.64E-08	5.42E-10	2.68E-08
1345	742076.98	4109553.09	1.17E-07	2.14E-07	1.17E-08	3.42E-07	1.82E-08	3.50E-08	1.76E-09	5.49E-08	1.77E-08	3.01E-08	2.23E-09	5.00E-08	1.00E-08	1.66E-08	5.51E-10	2.72E-08
1346	742099.34	4109548.97	1.19E-07	2.17E-07	1.19E-08	3.48E-07	1.84E-08	3.55E-08	1.79E-09	5.58E-08	1.79E-08	3.06E-08	2.27E-09	5.08E-08	1.02E-08	1.69E-08	5.59E-10	2.76E-08
1347	742121.7	4109544.85	1.21E-07	2.20E-07	1.21E-08	3.53E-07	1.87E-08	3.60E-08	1.81E-09	5.66E-08	1.82E-08	3.10E-08	2.30E-09	5.15E-08	1.03E-08	1.71E-08	5.67E-10	2.80E-08
1348	742162.88	4109553.47	1.32E-07	2.41E-07	1.33E-08	3.87E-07	2.05E-08	3.96E-08	1.99E-09	6.21E-08	2.00E-08	3.41E-08	2.52E-09	5.66E-08	1.14E-08	1.88E-08	6.23E-10	3.08E-08
1349	742181.71	4109566.21	1.44E-07	2.63E-07	1.44E-08	4.22E-07	2.24E-08	4.31E-08	2.16E-09	6.76E-08	2.18E-08	3.71E-08	2.75E-09	6.16E-08	1.24E-08	2.05E-08	6.78E-10	3.35E-08
1350	742200.54	4109578.96	1.58E-07	2.88E-07	1.58E-08	4.62E-07	2.45E-08	4.73E-08	2.37E-09	7.42E-08	2.39E-08	4.07E-08	3.01E-09	6.75E-08	1.36E-08	2.24E-08	7.43E-10	3.67E-08
1351	742219.37	4109591.7	1.75E-07	3.19E-07	1.75E-08	5.12E-07	2.72E-08	5.23E-08	2.63E-09	8.21E-08	2.64E-08	4.50E-08	3.34E-09	7.48E-08	1.50E-08	2.48E-08	8.23E-10	4.07E-08
1352	742238.2	4109604.45	1.96E-07	3.57E-07	1.96E-08	5.72E-07	3.04E-08	5.85E-08	2.94E-09	9.18E-08	2.95E-08	5.04E-08	3.73E-09	8.36E-08	1.68E-08	2.78E-08	9.21E-10	4.55E-08
1353	742257.03	4109617.19	2.20E-07	4.01E-07	2.20E-08	6.44E-07	3.42E-08	6.58E-08	3.31E-09	1.03E-07	3.32E-08	5.66E-08	4.20E-09	9.40E-08	1.89E-08	3.12E-08	1.04E-09	5.11E-08
1354	742275.86	4109629.93	2.47E-07	4.51E-07	2.48E-08	7.23E-07	3.84E-08	7.39E-08	3.71E-09	1.16E-07	3.73E-08	6.36E-08	4.72E-09	1.06E-07	2.12E-08	3.51E-08	1.16E-09	5.74E-08
1355	742294.69	4109642.68	2.76E-07	5.03E-07	2.76E-08	8.07E-07	4.28E-08	8.25E-08	4.14E-09	1.29E-07	4.16E-08	7.10E-08	5.26E-09	1.18E-07	2.37E-08	3.92E-08	1.30E-09	6.41E-08
1356	742313.52	4109655.42	3.05E-07	5.56E-07	3.05E-08	8.91E-07	4.73E-08	9.11E-08	4.58E-09	1.43E-07	4.60E-08	7.84E-08	5.81E-09	1.30E-07	2.61E-08	4.32E-08	1.43E-09	7.08E-08
1357	741920.46	4109581.95	1.02E-07	1.85E-07	1.02E-08	2.97E-07	1.58E-08	3.04E-08	1.53E-09	4.77E-08	1.53E-08	2.62E-08	1.94E-09	4.35E-08	8.72E-09	1.44E-08	4.78E-10	2.36E-08
1358	741899.82	4109595.2	1.03E-07	1.88E-07	1.03E-08	3.02E-07	1.60E-08	3.09E-08	1.55E-09	4.85E-08	1.56E-08	2.66E-08	1.97E-09	4.41E-08	8.86E-09	1.47E-08	4.86E-10	2.40E-08
1359	741879.18	4109608.46	1.05E-07	1.92E-07	1.05E-08	3.08E-07	1.63E-08	3.14E-08	1.58E-09	4.94E-08	1.59E-08	2.71E-08	2.01E-09	4.49E-08	9.02E-09	1.49E-08	4.95E-10	2.44E-08
1360	741858.54	4109621.72	1.08E-07	1.96E-07	1.08E-08	3.15E-07	1.67E-08	3.22E-08	1.62E-09	5.05E-08	1.62E-08	2.77E-08	2.05E-09	4.60E-08	9.22E-09	1.53E-08	5.06E-10	2.50E-08
1361	741837.9	4109634.97	1.10E-07	2.01E-07	1.10E-08	3.22E-07	1.71E-08	3.29E-08	1.66E-09	5.17E-08	1.66E-08	2.83E-08	2.10E-09	4.71E-08	9.45E-09	1.56E-08	5.18E-10	2.56E-08
1362	741817.26	4109648.23	1.13E-07	2.06E-07	1.13E-08	3.30E-07	1.75E-08	3.37E-08	1.69E-09	5.29E-08	1.70E-08	2.90E-08	2.15E-09	4.82E-08	9.66E-09	1.60E-08	5.30E-10	2.62E-08
1363	741796.63	4109661.49	1.15E-07	2.10E-07	1.15E-08	3.36E-07	1.78E-08	3.43E-08	1.73E-09	5.39E-08	1.73E-08	2.96E-08	2.19E-09	4.91E-08	9.85E-09	1.63E-08	5.40E-10	2.67E-08
1364	741889.35	4109493.58	7.10E-08	1.29E-07	7.10E-09	2.07E-07	1.10E-08	2.12E-08	1.07E-09	3.33E-08	1.07E-08	1.82E-08	1.35E-09	3.03E-08	6.08E-09	1.01E-08	3.34E-10	1.65E-08
1365	741912.28	4109489.35	7.22E-08	1.32E-07	7.23E-09	2.11E-07	1.12E-08	2.16E-08	1.08E-09	3.39E-08	1.09E-08	1.86E-08	1.38E-09	3.08E-08	6.19E-09	1.02E-08	3.39E-10	1.68E-08
1366	741935.21	4109485.12	7.34E-08	1.34E-07	7.35E-09	2.15E-07	1.14E-08	2.19E-08	1.10E-09	3.44E-08	1.11E-08	1.89E-08	1.40E-09	3.13E-08	6.29E-09	1.04E-08	3.45E-10	1.70E-08
1367	741958.14	4109480.9	7.46E-08	1.36E-07	7.47E-09	2.18E-07	1.16E-08	2.23E-08	1.12E-09	3.50E-08	1.13E-08	1.92E-08	1.42E-09	3.19E-08	6.39E-09	1.06E-08	3.51E-10	1.73E-08
1368	741981.08	4109476.67	7.59E-08	1.38E-07	7.60E-09	2.22E-07	1.18E-08	2.27E-08	1.14E-09	3.56E-08	1.15E-08	1.95E-08	1.45E-09	3.24E-08	6.51E-09	1.08E-08	3.57E-10	1.76E-08
1369	742004.01	4109472.44	7.74E-08	1.41E-07	7.74E-09	2.26E-07	1.20E-08	2.31E-08	1.16E-09	3.63E-08	1.17E-08	1.99E-08	1.47E-09	3.30E-08	6.63E-09	1.10E-08	3.64E-10	1.80E-08
1370	742026.94	4109468.21	7.88E-08	1.44E-07	7.89E-09	2.30E-07	1.22E-08	2.35E-08	1.18E-09	3.69E-08	1.19E-08	2.03E-08	1.50E-09	3.36E-08	6.75E-09	1.12E-08	3.70E-10	1.83E-08
1371	742049.88	4109463.99	8.02E-08	1.46E-07	8.03E-09	2.34E-07	1.24E-08	2.40E-08	1.20E-09	3.76E-08	1.21E-08	2.06E-08	1.53E-09	3.42E-08	6.87E-09	1.14E-08	3.77E-10	1.86E-08
1372	742072.81	4109459.76	8.15E-08	1.48E-07	8.15E-09	2.38E-07	1.26E-08	2.43E-08	1.22E-09	3.82E-08	1.23E-08	2.09E-08	1.55E-09	3.48E-08	6.98E-09	1.16E-08	3.83E-10	1.89E-08
1373	742095.74	4109455.53	8.26E-08	1.50E-07	8.26E-09	2.41E-07	1.28E-08	2.47E-08	1.24E-09	3.87E-08	1.25E-08	2.12E-08	1.57E-09	3.52E-08	7.07E-09	1.17E-08	3.88E-10	1.92E-08
1374	742118.68	4109451.3	8.35E-08	1.52E-07	8.36E-09	2.44E-07	1.30E-08	2.50E-08	1.25E-09	3.92E-08	1.26E-08	2.15E-08	1.59E-09	3.57E-08	7.16E-09	1.18E-08	3.93E-10	1.94E-08
1375	742141.61	4109447.07	8.44E-08	1.54E-07	8.45E-09	2.47E-07	1.31E-08	2.52E-08	1.27E-09	3.96E-08	1.27E-08	2.17E-08	1.61E-09	3.60E-08	7.23E-09	1.20E-08	3.97E-10	1.96E-08
1376	742183.86	4109455.92	9.06E-08	1.65E-07	9.06E-09	2.65E-07	1.40E-08	2.71E-08	1.36E-09	4.25E-08	1.37E-08	2.33E-08	1.73E-09	3.87E-08	7.76E-09	1.28E-08	4.26E-10	2.10E-08
1377	742203.17	4109468.99	9.65E-08	1.76E-07	9.65E-09	2.82E-07	1.50E-08	2.88E-08	1.45E-09	4.52E-08	1.45E-08	2.48E-08	1.84E-09	4.12E-08	8.27E-09	1.37E-08	4.53E-10	2.24E-08
1378	742222.48	4109482.06	1.03E-07	1.88E-07	1.03E-08	3.01E-07	1.60E-08	3.08E-08	1.55E-09	4.83E-08	1.55E-08	2.65E-08	1.96E-09	4.40E-08	8.83E-09	1.46E-08	4.84E-10	2.39E-08
1379	742241.79	4109495.13	1.11E-07	2.02E-07	1.11E-08	3.23E-07	1.72E-08	3.31E-08	1.66E-09	5.19E-08	1.67E-08	2.84E-08	2.11E-09	4.72E-08	9.48E-09	1.57E-08	5.20E-10	2.57E-08
1380	742261.1	4109508.2	1.20E-07	2.19E-07	1.20E-08	3.50E-07	1.86E-08	3.58E-08	1.80E-09	5.62E-08	1.81E-08	3.08E-08	2.29E-09	5.12E-08	1.03E-08	1.70E-08	5.64E-10	2.78E-08
1381	742280.42	4109521.27	1.31E-07	2.39E-07	1.31E-08	3.83E-07	2.03E-08	3.92E-08	1.97E-09	6.15E-08	1.98E-08	3.37E-08	2.50E-09	5.60E-08	1.12E-08	1.86E-08	6.17E-10	3.05E-08
1382	742299.73	4109534.34	1.45E-07	2.63E-07	1.45E-08	4.22E-07	2.24E-08	4.32E-08	2.17E-09	6.78E-08	2.18E-08	3.72E-08	2.75E-09	6.17E-08	1.24E-08	2.05E-08	6.79E-10	3.36E-08
1383	742319.04	4109547.41	1.60E-07	2.91E-07	1.60E-08	4.67E-07	2.48E-08	4.77E-08	2.40E-09	7.49E-08	2.41E-08	4.11E-08	3.04E-09	6.82E-08	1.37E-08	2.26E-08	7.50E-10	3.71E-08
1384	742338.35	4109560.48	1.76E-07	3.21E-07	1.76E-08	5.14E-07	2.73E-08	5.26E-08	2.64E-09	8.25E-08	2.65E-08	4.52E-08	3.35E-09	7.51E-08	1.51E-08	2.50E-08	8.27E-10	4.09E-08
1385	742357.67	4109573.55	1.93E-07	3.51E-07	1.93E-08	5.63E-07	2.99E-08	5.76E-08	2.89E-09	9.04E-08	2.91E-08	4.96E-08	3.67E-09	8.23E-08	1.65E-08	2.73E-08	9.06E-10	4.48E-08
1386	742376.98	4109586.63	2.10E-07	3.82E-07	2.10E-08	6.13E-07	3.25E-08	6.26E-08	3.15E-09	9.83E-08	3.16E-08	5.39E-08	3.99E-09	8.95E-08	1.80E-08	2.97E-08	9.85E-10	4.87E-08
1387	742396.29	4109599.7	2.27E-07	4.13E-07	2.27E-08	6.63E-07	3.52E-08	6.78E-08	3.40E-09	1.06E-07	3.42E-08	5.83E-08	4.32E-09	9.68E-08	1.94E-08	3.22E-08	1.07E-09	5.27E-08
1388	741866.41	4109497.81	6.97E-08	1.27E-07	6.97E-09	2.04E-07	1.08E-08	2.08E-08	1.05E-09	3.27E-08	1.05E-08	1.79E-08	1.33E-09	2.97E-08	5.97E-09	9.88E-09	3.27E-10	1.62E-08
1389	741845.77	4109511.06	7.06E-08	1.29E-07	7.06E-09	2.06E-07	1.09E-08	2.11E-08	1.06E-09	3.31E-08	1.06E-08	1.81E-08	1.35E-09	3.01E-08	6.05E-09	1.00E-08	3.32E-10	1.64E-08
1390	741825.14	4109524.32	7.17E-08	1.31E-07	7.17E-09	2.09E-07	1.11E-08	2.14E-08	1.08E-09	3.36E-08	1.08E-08	1.84E-08	1.37E-09	3.06E-08	6.14E-09	1.02E-08	3.37E-10	1.66E-08
1391	741804.5	4109537.58	7.30E-08	1.33E-07	7.31E-09	2.13E-07	1.13E-08	2.18E-08	1.10E-09	3.42E-08	1.10E-08	1.88E-08	1.39E-09	3.12E-08	6.26E-09	1.04E-08	3.43E-10	1.70E-08
1392	741783.86	4109550.83	7.46E-08	1.36E-07	7.46E-09	2.18E-07	1.16E-08	2.23E-08	1.12E-09	3.50E-08	1.12E-08	1.92E-08	1.42E-09	3.18E-08	6.39E-09	1.06E-08	3.50E-10	1.73E-08
1393	741763.22	4109564.09	7.61E-08	1.39E-07	7.61E-09	2.22E-07	1.18E-08	2.27E-08	1.14E-09	3.57E-08	1.15E-08	1.96E-08	1.45E-09	3.25E-08	6.52E-09	1.08E-08	3.58E-10	1.77E-08
1394	741742.58	4109577.35	7.73E-08	1.41E-07	7.74E-09	2.26E-07	1.20E-08	2.31E-08	1.16E-09	3.63E-08	1.17E-08	1.99E-08	1.47E-09	3.30E-08	6.63E-09	1.10E-08	3.63E-10	1.80E-08
1395	741835.66	4109409.38	5.20E-08	9.48E-08	5.20E-09	1.52E-07	8.06E-09	1.55E-08	7.80E-10	2.44E-08	7.84E-09	1.34E-08	9.91E-10	2.22E-08	4.46E-09	7.37E-09	2.44E-10	1.21E-08
1396	741858.95	4109405.08	5.27E-08	9.61E-08	5.28E-09	1.54E-07	8.18E-09	1.58E-08	7.92E-10	2.47E-08	7.95E-09	1.36E-08	1.00E-09	2.25E-08	4.52E-09	7.48E-09	2.48E-10	1.22E-08
1397	741882.24	4109400.79	5.35E-08	9.75E-08	5.35E-09	1.56E-07	8.29E-09	1.60E-08	8.03E-10	2.51E-08	8.06E-09	1.37E-08	1.02E-09	2.28E-08	4.58E-09	7.58E-09	2.51E-10	1.24E-08
1398	741905.53	4109396.49	5.42E-08	9.88E-08	5.42E-09	1.58E-07	8.41E-09	1.62E-08	8.14E-10	2.54E-08	8.17E-09	1.39E-08	1.03E-09	2.31E-08	4.64E-09	7.69E-09	2.55E-10	1.26E-08
1399	741928.83	4109392.2	5.49E-08	1.00E-07	5.50E-09	1.60E-07	8.52E-09	1.64E-08	8.24E-10	2.57E-08	8.28E-09	1.41E-08	1.05E-09	2.34E-08	4.71E-09	7.79E-09	2.58E-10	1.28E-08
1400	741952.12	4109387.91	5.57E-08	1.01E-07	5.57E-09	1.63E-07	8.63E-09	1.66E-08	8.36E-10	2.61E-08	8.39E-09	1.43E-08	1.06E-09	2.38E-08	4.77E-09	7.89E-09	2.62E-10	1.29E-08
1401	741975.41	4109383.61	5.65E-08	1.03E-07	5.65E-09	1.65E-07	8.76E-09	1.69E-08	8.48E-10	2.65E-08	8.52E-09	1.45E-08	1.08E-09	2.41E-08	4.84E-09	8.01E-09	2.66E-10	1.31E-08
1402	741998.7	4109379.32	5.75E-08	1.05E-07	5.75E-09	1.68E-07	8.91E-09	1.72E-08	8.62E-10	2.69E-08	8.66E-09	1.48E-08	1.09E-09	2.45E-08	4.92E-09	8.15E-09	2.70E-10	1.33E-08
1403	742021.99	4109375.02	5.85E-08	1.07E-07	5.85E-09	1.71E-07	9.07E-09	1.75E-08	8.78E-10	2.74E-08	8.82E-09	1.50E-08	1.11E-09	2.50E-08	5.01E-09	8.29E-09	2.75E-10	1.36E-08
1404	742045.28	4109370.73	5.95E-08	1.08E-07	5.95E-09	1.74E-07	9.23E-09	1.78E-08	8.93E-10	2.79E-08	8.97E-09	1.53E-08	1.13E-09	2.54E-08	5.10E-09	8.44E-09	2.80E-10	1.38E-08
1405	742068.57	4109366.44	6.04E-08	1.10E-07	6.05E-09	1.77E-07	9.37E-09	1.81E-08	9.07E-10	2.83E-08	9.11E-09	1.55E-08	1.15E-09	2.58E-08	5.18E-09	8.57E-09	2.84E-10	1.40E-08
1406	742091.87	4109362.14	6.13E-08	1.12E-07	6.13E-09	1.79E-07	9.50E-09	1.83E-08	9.20E-10	2.87E-08	9.24E-09	1.58E-08	1.17E-09	2.62E-08	5.25E-09	8.69E-09	2.88E-10	1.42E-08
1407	742115.16	4109357.85	6.20E-08	1.13E-07	6.20E-09	1.81E-07	9.61E-09	1.85E-08	9.31E-10	2.91E-08	9.35E-09	1.59E-08	1.18E-09	2.65E-08	5.31E-09	8.79E-09	2.91E-10	1.44E-08
1408	742138.45	4109353.55	6.26E-08	1.14E-07	6.27E-09	1.83E-07	9.71E-09	1.87E-08	9.40E-10	2.94E-08	9.44E-09	1.61E-08	1.19E-09	2.67E-08	5.37E-09	8.88E-09	2.94E-10	1.45E-08
1409	742161.74	4109349.26	6.32E-08	1.15E-07	6.32E-09	1.85E-07	9.80E-09	1.89E-08	9.48E-10	2.96E-08	9.53E-09	1.62E-08	1.20E-09	2.70E-08	5.41E-09	8.96E-09	2.97E-10	1.47E-08
1410	742204.65	4109358.24	6.69E-08	1.22E-07	6.70E-09	1.96E-07	1.04E-08	2.00E-08	1.00E-09	3.14E-08	1.01E-08	1.72E-08	1.28E-09	2.86E-08	5.74E-09	9.49E-09	3.15E-10	1.55E-08
1411	742224.26	4109371.52	7.03E-08	1.28E-07	7.04E-09	2.06E-07	1.09E-08	2.10E-08	1.06E-09	3.30E-08	1.06E-08	1.81E-08	1.34E-09	3.00E-08	6.03E-09	9.97E-09	3.31E-10	1.63E-08
1412	742243.87	4109384.79	7.39E-08	1.35E-07	7.39E-09	2.16E-07	1.15E-08	2.21E-08	1.11E-09	3.46E-08	1.11E-08	1.90E-08	1.41E-09	3.15E-08	6.33E-09	1.05E-08	3.47E-10	1.72E-08
1413	742263.49	4109398.07	7.78E-08	1.42E-07	7.78E-09	2.27E-07	1.21E-08	2.32E-08	1.17E-09	3.65E-08	1.17E-08	2.00E-08	1.48E-09	3.32E-08	6.66E-09	1.10E-08	3.65E-10	1.81E-08
1414	742283.1	4109411.34	8.23E-08	1.50E-07	8.24E-09	2.41E-07	1.28E-08	2.46E-08	1.24E-09	3.86E-08	1.24E-08	2.12E-08	1.57E-09	3.51E-08	7.05E-09	1.17E-08	3.87E-10	1.91E-08
1415	742302.72	4109424.62	8.78E-08	1.60E-07	8.79E-09	2.57E-07	1.36E-08	2.62E-08	1.32E-09	4.12E-08	1.32E-08	2.26E-08	1.67E-09	3.75E-08	7.53E-09	1.25E-08	4.13E-10	2.04E-08
1416	742322.33	4109437.89	9.45E-08	1.72E-07	9.46E-09	2.76E-07	1.47E-08	2.82E-08	1.42E-09	4.43E-08	1.43E-08	2.43E-08	1.80E-09	4.04E-08	8.10E-09	1.34E-08	4.44E-10	2.19E-08
1417	742341.94	4109451.17	1.02E-07	1.87E-07	1.03E-08	2.99E-07	1.59E-08	3.06E-08	1.54E-09	4.80E-08	1.55E-08	2.63E-08	1.95E-09	4.37E-08	8.78E-09	1.45E-08	4.82E-10	2.38E-08
1418	742361.56	4109464.44	1.11E-07	2.03E-07	1.12E-08	3.26E-07	1.73E-08	3.33E-08	1.67E-09	5.23E-08	1.68E-08	2.87E-08	2.12E-09	4.76E-08	9.55E-09	1.58E-08	5.24E-10	2.59E-08
1419	742381.17	4109477.72	1.21E-07	2.21E-07	1.21E-08	3.54E-07	1.88E-08	3.62E-08	1.82E-09	5.69E-08	1.83E-08	3.12E-08	2.31E-09	5.18E-08	1.04E-08	1.72E-08	5.70E-10	2.82E-08
1420	742400.79	4109490.99	1.32E-07	2.40E-07	1.32E-08	3.85E-07	2.04E-08	3.93E-08	1.98E-09	6.17E-08	1.98E-08	3.38E-08	2.51E-09	5.62E-08	1.13E-08	1.87E-08	6.19E-10	3.06E-08

1421	742420.4	4109504.27	1.42E-07	2.59E-07	1.42E-08	4.16E-07	2.21E-08	4.25E-08	2.14E-09	6.67E-08	2.15E-08	3.66E-08	2.71E-09	6.08E-08	1.22E-08	2.02E-08	6.69E-10	3.31E-08
1422	742440.01	4109517.54	1.53E-07	2.79E-07	1.53E-08	4.48E-07	2.38E-08	4.58E-08	2.30E-09	7.19E-08	2.31E-08	3.94E-08	2.92E-09	6.55E-08	1.31E-08	2.17E-08	7.21E-10	3.56E-08
1423	742459.63	4109530.82	1.65E-07	3.00E-07	1.65E-08	4.82E-07	2.56E-08	4.92E-08	2.47E-09	7.73E-08	2.49E-08	4.24E-08	3.14E-09	7.04E-08	1.41E-08	2.34E-08	7.75E-10	3.83E-08
1424	742479.24	4109544.09	1.76E-07	3.21E-07	1.76E-08	5.15E-07	2.73E-08	5.27E-08	2.65E-09	8.27E-08	2.66E-08	4.53E-08	3.36E-09	7.53E-08	1.51E-08	2.50E-08	8.29E-10	4.09E-08
1425	741812.37	4109413.67	5.13E-08	9.34E-08	5.13E-09	1.50E-07	7.95E-09	1.53E-08	7.69E-10	2.40E-08	7.73E-09	1.32E-08	9.77E-10	2.19E-08	4.39E-09	7.27E-09	2.41E-10	1.19E-08
1426	741791.73	4109426.93	5.20E-08	9.47E-08	5.20E-09	1.52E-07	8.06E-09	1.55E-08	7.80E-10	2.44E-08	7.84E-09	1.34E-08	9.90E-10	2.22E-08	4.45E-09	7.37E-09	2.44E-10	1.21E-08
1427	741771.09	4109440.18	5.28E-08	9.61E-08	5.28E-09	1.54E-07	8.18E-09	1.58E-08	7.92E-10	2.47E-08	7.96E-09	1.36E-08	1.01E-09	2.25E-08	4.52E-09	7.48E-09	2.48E-10	1.23E-08
1428	741750.45	4109453.44	5.36E-08	9.77E-08	5.37E-09	1.57E-07	8.32E-09	1.60E-08	8.05E-10	2.51E-08	8.09E-09	1.38E-08	1.02E-09	2.29E-08	4.60E-09	7.60E-09	2.52E-10	1.25E-08
1429	741729.81	4109466.7	5.46E-08	9.96E-08	5.47E-09	1.60E-07	8.47E-09	1.63E-08	8.20E-10	2.56E-08	8.24E-09	1.40E-08	1.04E-09	2.33E-08	4.68E-09	7.75E-09	2.57E-10	1.27E-08
1430	741709.18	4109479.95	5.56E-08	1.01E-07	5.57E-09	1.63E-07	8.63E-09	1.66E-08	8.35E-10	2.61E-08	8.39E-09	1.43E-08	1.06E-09	2.38E-08	4.77E-09	7.89E-09	2.61E-10	1.29E-08
1431	741688.54	4109493.21	5.65E-08	1.03E-07	5.66E-09	1.65E-07	8.76E-09	1.69E-08	8.48E-10	2.65E-08	8.52E-09	1.45E-08	1.08E-09	2.41E-08	4.84E-09	8.01E-09	2.66E-10	1.31E-08
1432	741781.86	4109325.19	4.01E-08	7.30E-08	4.01E-09	1.17E-07	6.21E-09	1.20E-08	6.01E-10	1.88E-08	6.04E-09	1.03E-08	7.63E-10	1.71E-08	3.43E-09	5.68E-09	1.88E-10	9.30E-09
1433	741805.4	4109320.85	4.05E-08	7.37E-08	4.05E-09	1.18E-07	6.28E-09	1.21E-08	6.07E-10	1.90E-08	6.10E-09	1.04E-08	7.71E-10	1.73E-08	3.47E-09	5.74E-09	1.90E-10	9.40E-09
1434	741828.93	4109316.51	4.09E-08	7.45E-08	4.09E-09	1.20E-07	6.34E-09	1.22E-08	6.14E-10	1.92E-08	6.17E-09	1.05E-08	7.79E-10	1.75E-08	3.51E-09	5.80E-09	1.92E-10	9.50E-09
1435	741852.47	4109312.18	4.14E-08	7.54E-08	4.14E-09	1.21E-07	6.42E-09	1.24E-08	6.21E-10	1.94E-08	6.24E-09	1.06E-08	7.89E-10	1.77E-08	3.55E-09	5.87E-09	1.95E-10	9.61E-09
1436	741876.01	4109307.84	4.19E-08	7.64E-08	4.20E-09	1.23E-07	6.51E-09	1.25E-08	6.30E-10	1.97E-08	6.33E-09	1.08E-08	7.99E-10	1.79E-08	3.59E-09	5.95E-09	1.97E-10	9.74E-09
1437	741899.54	4109303.5	4.25E-08	7.75E-08	4.26E-09	1.24E-07	6.60E-09	1.27E-08	6.39E-10	1.99E-08	6.42E-09	1.09E-08	8.11E-10	1.82E-08	3.65E-09	6.03E-09	2.00E-10	9.88E-09
1438	741923.08	4109299.16	4.31E-08	7.86E-08	4.31E-09	1.26E-07	6.69E-09	1.29E-08	6.47E-10	2.02E-08	6.50E-09	1.11E-08	8.22E-10	1.84E-08	3.69E-09	6.11E-09	2.03E-10	1.00E-08
1439	741946.62	4109294.82	4.37E-08	7.96E-08	4.37E-09	1.28E-07	6.77E-09	1.31E-08	6.56E-10	2.05E-08	6.59E-09	1.12E-08	8.32E-10	1.87E-08	3.74E-09	6.19E-09	2.05E-10	1.01E-08
1440	741970.15	4109290.48	4.43E-08	8.07E-08	4.43E-09	1.29E-07	6.86E-09	1.32E-08	6.64E-10	2.08E-08	6.67E-09	1.14E-08	8.43E-10	1.89E-08	3.79E-09	6.28E-09	2.08E-10	1.03E-08
1441	741993.69	4109286.14	4.49E-08	8.18E-08	4.49E-09	1.31E-07	6.96E-09	1.34E-08	6.74E-10	2.10E-08	6.77E-09	1.15E-08	8.55E-10	1.92E-08	3.85E-09	6.36E-09	2.11E-10	1.04E-08
1442	742017.23	4109281.8	4.55E-08	8.30E-08	4.56E-09	1.33E-07	7.06E-09	1.36E-08	6.83E-10	2.13E-08	6.87E-09	1.17E-08	8.68E-10	1.94E-08	3.90E-09	6.46E-09	2.14E-10	1.06E-08
1443	742040.76	4109277.46	4.62E-08	8.42E-08	4.62E-09	1.35E-07	7.17E-09	1.38E-08	6.94E-10	2.17E-08	6.97E-09	1.19E-08	8.81E-10	1.97E-08	3.96E-09	6.55E-09	2.17E-10	1.07E-08
1444	742064.3	4109273.12	4.69E-08	8.54E-08	4.69E-09	1.37E-07	7.27E-09	1.40E-08	7.04E-10	2.20E-08	7.07E-09	1.21E-08	8.93E-10	2.00E-08	4.02E-09	6.65E-09	2.20E-10	1.09E-08
1445	742087.84	4109268.78	4.75E-08	8.66E-08	4.75E-09	1.39E-07	7.37E-09	1.42E-08	7.13E-10	2.23E-08	7.16E-09	1.22E-08	9.05E-10	2.03E-08	4.07E-09	6.74E-09	2.23E-10	1.10E-08
1446	742111.37	4109264.45	4.81E-08	8.76E-08	4.81E-09	1.40E-07	7.46E-09	1.44E-08	7.22E-10	2.25E-08	7.25E-09	1.24E-08	9.16E-10	2.05E-08	4.12E-09	6.82E-09	2.26E-10	1.12E-08
1447	742134.91	4109260.11	4.86E-08	8.86E-08	4.86E-09	1.42E-07	7.54E-09	1.45E-08	7.30E-10	2.28E-08	7.33E-09	1.25E-08	9.26E-10	2.08E-08	4.17E-09	6.89E-09	2.28E-10	1.13E-08
1448	742158.45	4109255.77	4.91E-08	8.95E-08	4.91E-09	1.43E-07	7.61E-09	1.47E-08	7.37E-10	2.30E-08	7.40E-09	1.26E-08	9.35E-10	2.10E-08	4.21E-09	6.96E-09	2.31E-10	1.14E-08
1449	742181.98	4109251.43	4.95E-08	9.02E-08	4.95E-09	1.45E-07	7.68E-09	1.48E-08	7.43E-10	2.32E-08	7.47E-09	1.27E-08	9.43E-10	2.11E-08	4.24E-09	7.02E-09	2.33E-10	1.15E-08
1450	742225.34	4109260.5	5.21E-08	9.49E-08	5.21E-09	1.52E-07	8.08E-09	1.56E-08	7.82E-10	2.44E-08	7.85E-09	1.34E-08	9.93E-10	2.22E-08	4.46E-09	7.39E-09	2.45E-10	1.21E-08
1451	742245.16	4109273.92	5.43E-08	9.89E-08	5.43E-09	1.59E-07	8.42E-09	1.62E-08	8.15E-10	2.55E-08	8.19E-09	1.40E-08	1.03E-09	2.32E-08	4.65E-09	7.70E-09	2.55E-10	1.26E-08
1452	742264.98	4109287.33	5.64E-08	1.03E-07	5.65E-09	1.65E-07	8.75E-09	1.69E-08	8.47E-10	2.65E-08	8.51E-09	1.45E-08	1.08E-09	2.41E-08	4.84E-09	8.00E-09	2.65E-10	1.31E-08
1453	742284.8	4109300.75	5.87E-08	1.07E-07	5.87E-09	1.71E-07	9.10E-09	1.75E-08	8.80E-10	2.75E-08	8.85E-09	1.51E-08	1.12E-09	2.50E-08	5.03E-09	8.32E-09	2.76E-10	1.36E-08
1454	742304.62	4109314.16	6.11E-08	1.11E-07	6.12E-09	1.79E-07	9.48E-09	1.83E-08	9.17E-10	2.87E-08	9.22E-09	1.57E-08	1.16E-09	2.61E-08	5.24E-09	8.67E-09	2.87E-10	1.42E-08
1455	742324.44	4109327.58	6.40E-08	1.17E-07	6.41E-09	1.87E-07	9.93E-09	1.91E-08	9.61E-10	3.00E-08	9.66E-09	1.65E-08	1.22E-09	2.73E-08	5.49E-09	9.08E-09	3.01E-10	1.49E-08
1456	742344.26	4109340.99	6.76E-08	1.23E-07	6.76E-09	1.97E-07	1.05E-08	2.02E-08	1.01E-09	3.17E-08	1.02E-08	1.74E-08	1.29E-09	2.88E-08	5.79E-09	9.58E-09	3.18E-10	1.57E-08
1457	742364.08	4109354.41	7.18E-08	1.31E-07	7.19E-09	2.10E-07	1.11E-08	2.15E-08	1.08E-09	3.37E-08	1.08E-08	1.85E-08	1.37E-09	3.07E-08	6.15E-09	1.02E-08	3.38E-10	1.67E-08
1458	742383.9	4109367.82	7.68E-08	1.40E-07	7.68E-09	2.24E-07	1.19E-08	2.29E-08	1.15E-09	3.60E-08	1.16E-08	1.97E-08	1.46E-09	3.28E-08	6.58E-09	1.09E-08	3.61E-10	1.78E-08
1459	742403.72	4109381.24	8.24E-08	1.50E-07	8.25E-09	2.41E-07	1.28E-08	2.46E-08	1.24E-09	3.86E-08	1.24E-08	2.12E-08	1.57E-09	3.52E-08	7.06E-09	1.17E-08	3.87E-10	1.91E-08
1460	742423.54	4109394.65	8.86E-08	1.61E-07	8.87E-09	2.59E-07	1.37E-08	2.65E-08	1.33E-09	4.15E-08	1.34E-08	2.28E-08	1.69E-09	3.78E-08	7.59E-09	1.26E-08	4.16E-10	2.06E-08
1461	742443.37	4109408.07	9.53E-08	1.74E-07	9.54E-09	2.79E-07	1.48E-08	2.85E-08	1.43E-09	4.47E-08	1.44E-08	2.45E-08	1.82E-09	4.07E-08	8.17E-09	1.35E-08	4.48E-10	2.21E-08
1462	742463.19	4109421.48	1.02E-07	1.87E-07	1.03E-08	2.99E-07	1.59E-08	3.06E-08	1.54E-09	4.80E-08	1.55E-08	2.63E-08	1.95E-09	4.37E-08	8.78E-09	1.45E-08	4.82E-10	2.38E-08
1463	742483.01	4109434.9	1.10E-07	2.01E-07	1.10E-08	3.22E-07	1.71E-08	3.29E-08	1.65E-09	5.16E-08	1.66E-08	2.83E-08	2.10E-09	4.70E-08	9.43E-09	1.56E-08	5.17E-10	2.55E-08
1464	742502.83	4109448.31	1.18E-07	2.15E-07	1.18E-08	3.45E-07	1.83E-08	3.52E-08	1.77E-09	5.53E-08	1.78E-08	3.03E-08	2.25E-09	5.03E-08	1.01E-08	1.67E-08	5.54E-10	2.74E-08
1465	742522.65	4109461.73	1.26E-07	2.29E-07	1.26E-08	3.68E-07	1.95E-08	3.76E-08	1.89E-09	5.90E-08	1.90E-08	3.24E-08	2.40E-09	5.37E-08	1.08E-08	1.78E-08	5.92E-10	2.92E-08
1466	742542.47	4109475.14	1.34E-07	2.43E-07	1.34E-08	3.90E-07	2.07E-08	3.99E-08	2.00E-09	6.26E-08	2.01E-08	3.43E-08	2.54E-09	5.70E-08	1.14E-08	1.89E-08	6.28E-10	3.10E-08
1467	742562.29	4109488.56	1.41E-07	2.56E-07	1.41E-08	4.11E-07	2.18E-08	4.20E-08	2.11E-09	6.60E-08	2.12E-08	3.62E-08	2.68E-09	6.01E-08	1.21E-08	1.99E-08	6.61E-10	3.27E-08
1468	741758.32	4109329.53	3.97E-08	7.23E-08	3.97E-09	1.16E-07	6.15E-09	1.19E-08	5.95E-10	1.86E-08	5.98E-09	1.02E-08	7.56E-10	1.69E-08	3.40E-09	5.62E-09	1.86E-10	9.21E-09
1469	741737.68	4109342.79	4.02E-08	7.33E-08	4.02E-09	1.17E-07	6.23E-09	1.20E-08	6.03E-10	1.88E-08	6.06E-09	1.03E-08	7.66E-10	1.72E-08	3.44E-09	5.70E-09	1.89E-10	9.33E-09
1470	741717.05	4109356.05	4.08E-08	7.43E-08	4.08E-09	1.19E-07	6.33E-09	1.22E-08	6.12E-10	1.91E-08	6.15E-09	1.05E-08	7.77E-10	1.74E-08	3.50E-09	5.78E-09	1.92E-10	9.47E-09
1471	741696.41	4109369.3	4.15E-08	7.56E-08	4.15E-09	1.21E-07	6.43E-09	1.24E-08	6.22E-10	1.94E-08	6.25E-09	1.07E-08	7.90E-10	1.77E-08	3.55E-09	5.88E-09	1.95E-10	9.63E-09
1472	741675.77	4109382.56	4.22E-08	7.69E-08	4.22E-09	1.23E-07	6.55E-09	1.26E-08	6.34E-10	1.98E-08	6.37E-09	1.09E-08	8.05E-10	1.80E-08	3.62E-09	5.99E-09	1.98E-10	9.80E-09
1473	741655.13	4109395.82	4.30E-08	7.83E-08	4.30E-09	1.26E-07	6.66E-09	1.28E-08	6.45E-10	2.01E-08	6.48E-09	1.10E-08	8.19E-10	1.83E-08	3.68E-09	6.09E-09	2.02E-10	9.98E-09
1474	741634.49	4109409.07	4.36E-08	7.95E-08	4.37E-09	1.28E-07	6.77E-09	1.30E-08	6.55E-10	2.05E-08	6.58E-09	1.12E-08	8.32E-10	1.86E-08	3.74E-09	6.19E-09	2.05E-10	1.01E-08
1475	741727.99	4109241.02	3.20E-08	5.83E-08	3.20E-09	9.36E-08	4.97E-09	9.56E-09	4.81E-10	1.50E-08	4.83E-09	8.23E-09	6.10E-10	1.37E-08	2.74E-09	4.54E-09	1.50E-10	7.43E-09
1476	741751.71	4109236.65	3.23E-08	5.88E-08	3.23E-09	9.44E-08	5.01E-09	9.65E-09	4.85E-10	1.51E-08	4.87E-09	8.30E-09	6.15E-10	1.38E-08	2.77E-09	4.58E-09	1.52E-10	7.50E-09
1477	741775.42	4109232.28	3.26E-08	5.94E-08	3.26E-09	9.52E-08	5.05E-09	9.73E-09	4.89E-10	1.53E-08	4.91E-09	8.37E-09	6.21E-10	1.39E-08	2.79E-09	4.62E-09	1.53E-10	7.56E-09
1478	741799.14	4109227.91	3.29E-08	5.99E-08	3.29E-09	9.61E-08	5.10E-09	9.82E-09	4.93E-10	1.54E-08	4.96E-09	8.45E-09	6.26E-10	1.40E-08	2.82E-09	4.66E-09	1.54E-10	7.63E-09
1479	741822.85	4109223.53	3.32E-08	6.05E-08	3.32E-09	9.71E-08	5.15E-09	9.92E-09	4.99E-10	1.56E-08	5.01E-09	8.54E-09	6.33E-10	1.42E-08	2.85E-09	4.71E-09	1.56E-10	7.71E-09
1480	741846.57	4109219.16	3.36E-08	6.13E-08	3.37E-09	9.83E-08	5.22E-09	1.00E-08	5.05E-10	1.58E-08	5.07E-09	8.65E-09	6.41E-10	1.44E-08	2.88E-09	4.77E-09	1.58E-10	7.81E-09
1481	741870.28	4109214.79	3.41E-08	6.21E-08	3.41E-09	9.97E-08	5.29E-09	1.02E-08	5.12E-10	1.60E-08	5.14E-09	8.77E-09	6.50E-10	1.46E-08	2.92E-09	4.84E-09	1.60E-10	7.92E-09
1482	741894	4109210.42	3.46E-08	6.30E-08	3.46E-09	1.01E-07	5.36E-09	1.03E-08	5.19E-10	1.62E-08	5.22E-09	8.89E-09	6.59E-10	1.48E-08	2.96E-09	4.90E-09	1.63E-10	8.03E-09
1483	741917.71	4109206.05	3.51E-08	6.39E-08	3.51E-09	1.03E-07	5.44E-09	1.05E-08	5.27E-10	1.64E-08	5.29E-09	9.02E-09	6.69E-10	1.50E-08	3.01E-09	4.97E-09	1.65E-10	8.15E-09
1484	741941.43	4109201.67	3.55E-08	6.47E-08	3.55E-09	1.04E-07	5.51E-09	1.06E-08	5.33E-10	1.66E-08	5.35E-09	9.13E-09	6.77E-10	1.52E-08	3.04E-09	5.03E-09	1.67E-10	8.24E-09
1485	741965.14	4109197.3	3.59E-08	6.54E-08	3.59E-09	1.05E-07	5.57E-09	1.07E-08	5.39E-10	1.68E-08	5.41E-09	9.23E-09	6.84E-10	1.53E-08	3.08E-09	5.09E-09	1.69E-10	8.34E-09
1486	741988.86	4109192.93	3.63E-08	6.62E-08	3.63E-09	1.06E-07	5.63E-09	1.08E-08	5.45E-10	1.70E-08	5.47E-09	9.33E-09	6.92E-10	1.55E-08	3.11E-09	5.15E-09	1.71E-10	8.43E-09
1487	742012.57	4109188.56	3.67E-08	6.69E-08	3.67E-09	1.07E-07	5.70E-09	1.10E-08	5.51E-10	1.72E-08	5.54E-09	9.44E-09	7.00E-10	1.57E-08	3.15E-09	5.21E-09	1.73E-10	8.53E-09
1488	742036.29	4109184.19	3.72E-08	6.77E-08	3.72E-09	1.09E-07	5.77E-09	1.11E-08	5.58E-10	1.74E-08	5.61E-09	9.56E-09	7.08E-10	1.59E-08	3.19E-09	5.27E-09	1.75E-10	8.63E-09
1489	742060	4109179.81	3.76E-08	6.86E-08	3.77E-09	1.10E-07	5.84E-09	1.12E-08	5.65E-10	1.76E-08	5.68E-09	9.67E-09	7.17E-10	1.61E-08	3.22E-09	5.34E-09	1.77E-10	8.74E-09
1490	742083.72	4109175.44	3.81E-08	6.94E-08	3.81E-09	1.11E-07	5.91E-09	1.14E-08	5.72E-10	1.79E-08	5.74E-09	9.79E-09	7.26E-10	1.63E-08	3.26E-09	5.40E-09	1.79E-10	8.84E-09
1491	742107.43	4109171.07	3.85E-08	7.02E-08	3.85E-09	1.13E-07	5.97E-09	1.15E-08	5.78E-10	1.81E-08	5.81E-09	9.90E-09	7.34E-10	1.64E-08	3.30E-09	5.46E-09	1.81E-10	8.94E-09
1492	742131.15	4109166.7	3.90E-08	7.10E-08	3.90E-09	1.14E-07	6.04E-09	1.16E-08	5.85E-10	1.83E-08	5.87E-09	1.00E-08	7.42E-10	1.66E-08	3.34E-09	5.52E-09	1.83E-10	9.04E-09
1493	742154.86	4109162.33	3.94E-08	7.17E-08	3.94E-09	1.15E-07	6.10E-09	1.18E-08	5.91E-10	1.85E-08	5.94E-09	1.01E-08	7.50E-10	1.68E-08	3.37E-09	5.58E-09	1.85E-10	9.14E-09
1494	742178.58	4109157.95	3.98E-08	7.24E-08	3.98E-09	1.16E-07	6.17E-09	1.19E-08	5.97E-10	1.86E-08	6.00E-09	1.02E-08	7.58E-10	1.70E-08	3.41E-09	5.64E-09	1.87E-10	9.23E-09
1495	742202.29	4109153.58	4.01E-08	7.31E-08	4.01E-09	1.17E-07	6.22E-09	1.20E-08	6.02E-10	1.88E-08	6.05E-09	1.03E-08	7.64E-10	1.71E-08	3.44E-09	5.69E-09	1.89E-10	9.31E-09
1496	742245.98	4109162.73	4.20E-08	7.66E-08	4.20E-09	1.23E-07	6.52E-09	1.26E-08	6.31E-10	1.97E-08	6.34E-09	1.08E-08	8.01E-10	1.79E-08	3.60E-09	5.96E-09	1.97E-10	9.76E-09
1497	742265.95	4109176.24	4.36E-08	7.94E-08	4.36E-09	1.27E-07	6.76E-09	1.30E-08	6.54E-10	2.04E-08	6.57E-09	1.12E-08	8.30E-10	1.86E-08	3.73E-09	6.18E-09	2.05E-10	1.01E-08
1498	742285.92	4109189.76	4.50E-08	8.20E-08	4.50E-09	1.32E-07	6.98E-09	1.34E-08	6.76E-10	2.11E-08	6.79E-09	1.16E-08	8.58E-10	1.92E-08	3.86E-09	6.38E-09	2.12E-10	1.05E-08
1499	742305.89	4109203.28	4.64E-08	8.46E-08	4.64E-09	1.36E-07	7.20E-09	1.39E-08	6.97E-10	2.18E-08	7.00E-09	1.19E-08	8.85E-10	1.98E-08	3.98E-09	6.58E-09	2.18E-10	1.08E-08
1500	742325.86	4109216.79	4.79E-08	8.73E-08	4.79E-09	1.40E-07	7.43E-09	1.43E-08	7.19E-10	2.25E-08	7.22E-09	1.23E-08	9.13E-10	2.04E-08	4.10E-09	6.79E-09	2.25E-10	1.11E-08
1501	742345.83	4109230.31	4.96E-08	9.03E-08	4.96E-09	1.45E-07	7.69E-09	1.48E-08	7.44E-10	2.32E-08	7.48E-09	1.27E-08	9.45E-10	2.12E-08	4.25E-09	7.03E-09	2.33E-10	1.15E-08
1502	742365.8	4109243.83	5.16E-08	9.40E-08	5.16E-09	1.51E-07	8.00E-09	1.54E-08	7.74E-10	2.42E-08	7.78E-09	1.33E-08	9.83E-10	2.20E-08	4.42E-09	7.31E-09	2.42E-10	1.20E-08
1503	742385.77	4109257.34	5.39E-08	9.83E-08	5.40E-09	1.58E-07	8.37E-09	1.61E-08	8.10E-10	2.53E-08	8.13E-09	1.39E-08	1.03E-09	2.30E-08	4.62E-09	7.65E-09	2.54E-10	1.25E-08
1504	742405.74	4109270.86	5.67E-08	1.03E-07	5.68E-09	1.66E-07	8.80E-09	1.70E-08	8.52E-10	2.66E-08	8.56E-09	1.46E-08	1.08E-09	2.42E-08	4.86E-09	8.05E-09	2.67E-10	1.32E-08
1505	742425.71	4109284.38	6.00E-08	1.09E-07	6.00E-09	1.75E-07	9.30E-09	1.79E-08	9.00E-10	2.81E-08	9.04E-09	1.54E-08	1.14E-09	2.56E-08	5.14E-09	8.50E-09	2.82E-10	1.39E-08
1506	742445.69	4109297.89	6.36E-08	1.16E-07	6.37E-09	1.86E-07	9.87E-09	1.90E-08	9.55E-10	2.98E-08	9.60E-09	1.64E-08	1.21E-09	2.72E-08	5.45E-09	9.02E-09	2.99E-10	1.48E-08
1507	742465.66	4109311.41	6.77E-08	1.23E-07	6.78E-09	1.98E-07	1.05E-08	2.02E-08	1.02E-09	3.17E-08	1.02E-08	1.74E-08	1.29E-09	2.89E-08	5.80E-09	9.60E-09	3.18E-10	1.57E-08
1508	742485.63	4109324.92	7.23E-08	1.32E-07	7.23E-09	2.11E-07	1.12E-08	2.16E-08	1.08E-09	3.39E-08	1.09E-08	1.86E-08	1.38E-09	3.09E-08	6.19E-09	1.02E-08	3.40E-10	1.68E-08
1509	742505.6	4109338.44	7.73E-08	1.41E-07	7.73E-09	2.26E-07	1.20E-08	2.31E-08	1.16E-09	3.62E-08	1.17E-08	1.99E-08	1.47E-09	3.30E-08	6.62E-09	1.10E-08	3.63E-10	1.79E-08

1510	742525.57	4109351.96	8.27E-08	1.51E-07	8.27E-09	2.42E-07	1.28E-08	2.47E-08	1.24E-09	3.88E-08	1.25E-08	2.13E-08	1.58E-09	3.53E-08	7.09E-09	1.17E-08	3.89E-10	1.92E-08
1511	742545.54	4109365.47	8.83E-08	1.61E-07	8.84E-09	2.58E-07	1.37E-08	2.64E-08	1.33E-09	4.14E-08	1.33E-08	2.27E-08	1.68E-09	3.77E-08	7.57E-09	1.25E-08	4.15E-10	2.05E-08
1512	742565.51	4109378.99	9.40E-08	1.71E-07	9.41E-09	2.75E-07	1.46E-08	2.81E-08	1.41E-09	4.41E-08	1.42E-08	2.42E-08	1.79E-09	4.01E-08	8.06E-09	1.33E-08	4.42E-10	2.18E-08
1513	742585.48	4109392.51	9.96E-08	1.81E-07	9.96E-09	2.91E-07	1.54E-08	2.98E-08	1.49E-09	4.67E-08	1.50E-08	2.56E-08	1.90E-09	4.25E-08	8.53E-09	1.41E-08	4.68E-10	2.31E-08
1514	742605.45	4109406.02	1.05E-07	1.91E-07	1.05E-08	3.07E-07	1.63E-08	3.14E-08	1.58E-09	4.92E-08	1.58E-08	2.70E-08	2.00E-09	4.48E-08	9.00E-09	1.49E-08	4.94E-10	2.44E-08
1515	742625.42	4109419.54	1.10E-07	2.01E-07	1.10E-08	3.22E-07	1.71E-08	3.29E-08	1.65E-09	5.16E-08	1.66E-08	2.83E-08	2.10E-09	4.70E-08	9.43E-09	1.56E-08	5.17E-10	2.56E-08
1516	742645.39	4109433.06	1.14E-07	2.09E-07	1.14E-08	3.34E-07	1.77E-08	3.42E-08	1.72E-09	5.36E-08	1.73E-08	2.94E-08	2.18E-09	4.88E-08	9.80E-09	1.62E-08	5.38E-10	2.66E-08
1517	741704.28	4109245.39	3.18E-08	5.79E-08	3.18E-09	9.28E-08	4.93E-09	9.49E-09	4.77E-10	1.49E-08	4.79E-09	8.16E-09	6.05E-10	1.36E-08	2.72E-09	4.50E-09	1.49E-10	7.37E-09
1518	741683.64	4109258.65	3.22E-08	5.86E-08	3.22E-09	9.40E-08	4.99E-09	9.61E-09	4.83E-10	1.51E-08	4.85E-09	8.27E-09	6.13E-10	1.37E-08	2.76E-09	4.56E-09	1.51E-10	7.47E-09
1519	741663	4109271.91	3.27E-08	5.95E-08	3.27E-09	9.55E-08	5.07E-09	9.76E-09	4.90E-10	1.53E-08	4.93E-09	8.40E-09	6.23E-10	1.39E-08	2.80E-09	4.63E-09	1.54E-10	7.59E-09
1520	741642.36	4109285.16	3.32E-08	6.06E-08	3.33E-09	9.72E-08	5.16E-09	9.93E-09	4.99E-10	1.56E-08	5.01E-09	8.55E-09	6.34E-10	1.42E-08	2.85E-09	4.71E-09	1.56E-10	7.72E-09
1521	741621.73	4109298.42	3.39E-08	6.17E-08	3.39E-09	9.90E-08	5.25E-09	1.01E-08	5.08E-10	1.59E-08	5.11E-09	8.71E-09	6.45E-10	1.45E-08	2.90E-09	4.80E-09	1.59E-10	7.86E-09
1522	741601.09	4109311.68	3.45E-08	6.28E-08	3.45E-09	1.01E-07	5.35E-09	1.03E-08	5.17E-10	1.62E-08	5.20E-09	8.86E-09	6.57E-10	1.47E-08	2.95E-09	4.89E-09	1.62E-10	8.00E-09
1523	741580.45	4109324.93	3.50E-08	6.38E-08	3.50E-09	1.02E-07	5.43E-09	1.05E-08	5.26E-10	1.64E-08	5.28E-09	9.00E-09	6.67E-10	1.50E-08	3.00E-09	4.97E-09	1.65E-10	8.13E-09
1524	741620.15	4109072.7	2.21E-08	4.02E-08	2.21E-09	6.45E-08	3.42E-09	6.59E-09	3.31E-10	1.03E-08	3.33E-09	5.67E-09	4.21E-10	9.42E-09	1.89E-09	3.13E-09	1.04E-10	5.12E-09
1525	741644.1	4109068.29	2.22E-08	4.05E-08	2.22E-09	6.49E-08	3.44E-09	6.63E-09	3.33E-10	1.04E-08	3.35E-09	5.71E-09	4.23E-10	9.48E-09	1.90E-09	3.15E-09	1.04E-10	5.15E-09
1526	741668.06	4109063.87	2.24E-08	4.08E-08	2.24E-09	6.54E-08	3.47E-09	6.68E-09	3.36E-10	1.05E-08	3.37E-09	5.75E-09	4.26E-10	9.55E-09	1.92E-09	3.17E-09	1.05E-10	5.19E-09
1527	741692.02	4109059.45	2.25E-08	4.11E-08	2.26E-09	6.59E-08	3.50E-09	6.74E-09	3.38E-10	1.06E-08	3.40E-09	5.80E-09	4.30E-10	9.63E-09	1.93E-09	3.20E-09	1.06E-10	5.24E-09
1528	741715.97	4109055.04	2.27E-08	4.14E-08	2.27E-09	6.64E-08	3.52E-09	6.79E-09	3.41E-10	1.07E-08	3.43E-09	5.84E-09	4.33E-10	9.70E-09	1.95E-09	3.22E-09	1.07E-10	5.28E-09
1529	741739.93	4109050.62	2.29E-08	4.18E-08	2.29E-09	6.70E-08	3.55E-09	6.84E-09	3.44E-10	1.07E-08	3.46E-09	5.89E-09	4.37E-10	9.78E-09	1.96E-09	3.25E-09	1.08E-10	5.32E-09
1530	741763.89	4109046.2	2.31E-08	4.21E-08	2.31E-09	6.76E-08	3.59E-09	6.91E-09	3.47E-10	1.08E-08	3.49E-09	5.95E-09	4.41E-10	9.87E-09	1.98E-09	3.28E-09	1.09E-10	5.37E-09
1531	741787.85	4109041.79	2.34E-08	4.26E-08	2.34E-09	6.83E-08	3.63E-09	6.98E-09	3.51E-10	1.10E-08	3.53E-09	6.01E-09	4.46E-10	9.98E-09	2.00E-09	3.32E-09	1.10E-10	5.43E-09
1532	741811.8	4109037.37	2.37E-08	4.31E-08	2.37E-09	6.92E-08	3.67E-09	7.07E-09	3.55E-10	1.11E-08	3.57E-09	6.09E-09	4.51E-10	1.01E-08	2.03E-09	3.36E-09	1.11E-10	5.50E-09
1533	741835.76	4109032.95	2.40E-08	4.37E-08	2.40E-09	7.01E-08	3.72E-09	7.17E-09	3.60E-10	1.12E-08	3.62E-09	6.17E-09	4.57E-10	1.02E-08	2.06E-09	3.40E-09	1.13E-10	5.57E-09
1534	741859.72	4109028.54	2.43E-08	4.43E-08	2.43E-09	7.11E-08	3.77E-09	7.27E-09	3.65E-10	1.14E-08	3.67E-09	6.25E-09	4.63E-10	1.04E-08	2.08E-09	3.45E-09	1.14E-10	5.65E-09
1535	741883.67	4109024.12	2.46E-08	4.49E-08	2.46E-09	7.20E-08	3.82E-09	7.36E-09	3.70E-10	1.15E-08	3.71E-09	6.33E-09	4.69E-10	1.05E-08	2.11E-09	3.49E-09	1.16E-10	5.72E-09
1536	741907.63	4109019.7	2.49E-08	4.54E-08	2.49E-09	7.28E-08	3.86E-09	7.44E-09	3.74E-10	1.17E-08	3.76E-09	6.40E-09	4.75E-10	1.06E-08	2.13E-09	3.53E-09	1.17E-10	5.78E-09
1537	741931.59	4109015.29	2.51E-08	4.58E-08	2.52E-09	7.35E-08	3.90E-09	7.51E-09	3.77E-10	1.18E-08	3.79E-09	6.46E-09	4.79E-10	1.07E-08	2.15E-09	3.57E-09	1.18E-10	5.84E-09
1538	741955.55	4109010.87	2.54E-08	4.62E-08	2.54E-09	7.41E-08	3.93E-09	7.58E-09	3.81E-10	1.19E-08	3.83E-09	6.52E-09	4.83E-10	1.08E-08	2.17E-09	3.60E-09	1.19E-10	5.89E-09
1539	741979.5	4109006.45	2.56E-08	4.66E-08	2.56E-09	7.48E-08	3.97E-09	7.65E-09	3.84E-10	1.20E-08	3.86E-09	6.58E-09	4.88E-10	1.09E-08	2.19E-09	3.63E-09	1.20E-10	5.94E-09
1540	742003.46	4109002.04	2.58E-08	4.70E-08	2.58E-09	7.54E-08	4.00E-09	7.71E-09	3.87E-10	1.21E-08	3.89E-09	6.64E-09	4.92E-10	1.10E-08	2.21E-09	3.66E-09	1.21E-10	5.99E-09
1541	742027.42	4108997.62	2.60E-08	4.74E-08	2.60E-09	7.60E-08	4.04E-09	7.77E-09	3.91E-10	1.22E-08	3.92E-09	6.69E-09	4.96E-10	1.11E-08	2.23E-09	3.69E-09	1.22E-10	6.04E-09
1542	742051.37	4108993.2	2.62E-08	4.78E-08	2.62E-09	7.66E-08	4.07E-09	7.83E-09	3.94E-10	1.23E-08	3.95E-09	6.74E-09	5.00E-10	1.12E-08	2.25E-09	3.72E-09	1.23E-10	6.09E-09
1543	742075.33	4108988.79	2.64E-08	4.81E-08	2.64E-09	7.72E-08	4.10E-09	7.89E-09	3.96E-10	1.24E-08	3.98E-09	6.79E-09	5.03E-10	1.13E-08	2.26E-09	3.75E-09	1.24E-10	6.13E-09
1544	742099.29	4108984.37	2.66E-08	4.85E-08	2.66E-09	7.78E-08	4.13E-09	7.95E-09	3.99E-10	1.25E-08	4.01E-09	6.84E-09	5.07E-10	1.14E-08	2.28E-09	3.77E-09	1.25E-10	6.18E-09
1545	742123.24	4108979.95	2.68E-08	4.89E-08	2.68E-09	7.84E-08	4.16E-09	8.01E-09	4.03E-10	1.26E-08	4.05E-09	6.90E-09	5.11E-10	1.15E-08	2.30E-09	3.80E-09	1.26E-10	6.23E-09
1546	742147.2	4108975.54	2.71E-08	4.93E-08	2.71E-09	7.91E-08	4.20E-09	8.09E-09	4.06E-10	1.27E-08	4.08E-09	6.96E-09	5.16E-10	1.16E-08	2.32E-09	3.84E-09	1.27E-10	6.29E-09
1547	742171.16	4108971.12	2.73E-08	4.98E-08	2.74E-09	7.99E-08	4.24E-09	8.17E-09	4.10E-10	1.28E-08	4.12E-09	7.03E-09	5.21E-10	1.17E-08	2.34E-09	3.88E-09	1.29E-10	6.35E-09
1548	742195.12	4108966.7	2.77E-08	5.04E-08	2.77E-09	8.08E-08	4.29E-09	8.26E-09	4.15E-10	1.30E-08	4.17E-09	7.11E-09	5.27E-10	1.18E-08	2.37E-09	3.92E-09	1.30E-10	6.42E-09
1549	742219.07	4108962.29	2.80E-08	5.10E-08	2.80E-09	8.17E-08	4.34E-09	8.35E-09	4.20E-10	1.31E-08	4.22E-09	7.19E-09	5.33E-10	1.19E-08	2.40E-09	3.97E-09	1.31E-10	6.49E-09
1550	742243.03	4108957.87	2.83E-08	5.15E-08	2.83E-09	8.26E-08	4.38E-09	8.44E-09	4.24E-10	1.32E-08	4.26E-09	7.26E-09	5.38E-10	1.21E-08	2.42E-09	4.01E-09	1.33E-10	6.56E-09
1551	742287.16	4108967.11	2.94E-08	5.37E-08	2.95E-09	8.60E-08	4.57E-09	8.80E-09	4.42E-10	1.38E-08	4.44E-09	7.57E-09	5.61E-10	1.26E-08	2.52E-09	4.18E-09	1.38E-10	6.84E-09
1552	742307.34	4108980.76	3.03E-08	5.53E-08	3.04E-09	8.87E-08	4.71E-09	9.07E-09	4.55E-10	1.42E-08	4.58E-09	7.80E-09	5.78E-10	1.30E-08	2.60E-09	4.30E-09	1.43E-10	7.05E-09
1553	742327.51	4108994.42	3.12E-08	5.68E-08	3.12E-09	9.11E-08	4.83E-09	9.31E-09	4.68E-10	1.46E-08	4.70E-09	8.01E-09	5.94E-10	1.33E-08	2.67E-09	4.42E-09	1.46E-10	7.24E-09
1554	742347.68	4109008.07	3.19E-08	5.81E-08	3.19E-09	9.32E-08	4.95E-09	9.53E-09	4.79E-10	1.50E-08	4.81E-09	8.20E-09	6.08E-10	1.36E-08	2.73E-09	4.52E-09	1.50E-10	7.41E-09
1555	742367.86	4109021.72	3.26E-08	5.94E-08	3.26E-09	9.53E-08	5.06E-09	9.74E-09	4.89E-10	1.53E-08	4.92E-09	8.38E-09	6.21E-10	1.39E-08	2.79E-09	4.62E-09	1.53E-10	7.57E-09
1556	742388.03	4109035.38	3.33E-08	6.07E-08	3.33E-09	9.74E-08	5.17E-09	9.96E-09	5.00E-10	1.56E-08	5.03E-09	8.57E-09	6.35E-10	1.42E-08	2.86E-09	4.73E-09	1.57E-10	7.74E-09
1557	742408.21	4109049.03	3.41E-08	6.21E-08	3.41E-09	9.97E-08	5.29E-09	1.02E-08	5.12E-10	1.60E-08	5.14E-09	8.77E-09	6.50E-10	1.46E-08	2.92E-09	4.84E-09	1.60E-10	7.92E-09
1558	742428.38	4109062.69	3.50E-08	6.37E-08	3.50E-09	1.02E-07	5.43E-09	1.05E-08	5.25E-10	1.64E-08	5.28E-09	8.99E-09	6.67E-10	1.49E-08	3.00E-09	4.96E-09	1.64E-10	8.12E-09
1559	742448.56	4109076.34	3.60E-08	6.56E-08	3.60E-09	1.05E-07	5.58E-09	1.08E-08	5.40E-10	1.69E-08	5.43E-09	9.25E-09	6.86E-10	1.54E-08	3.08E-09	5.10E-09	1.69E-10	8.36E-09
1560	742468.73	4109090	3.72E-08	6.77E-08	3.72E-09	1.09E-07	5.76E-09	1.11E-08	5.58E-10	1.74E-08	5.60E-09	9.55E-09	7.08E-10	1.59E-08	3.18E-09	5.27E-09	1.75E-10	8.63E-09
1561	742488.9	4109103.65	3.85E-08	7.01E-08	3.85E-09	1.12E-07	5.97E-09	1.15E-08	5.77E-10	1.80E-08	5.80E-09	9.89E-09	7.33E-10	1.64E-08	3.30E-09	5.46E-09	1.81E-10	8.93E-09
1562	742509.08	4109117.31	4.00E-08	7.28E-08	4.00E-09	1.17E-07	6.20E-09	1.19E-08	6.00E-10	1.87E-08	6.03E-09	1.03E-08	7.62E-10	1.71E-08	3.43E-09	5.67E-09	1.88E-10	9.28E-09
1563	742529.25	4109130.96	4.17E-08	7.60E-08	4.18E-09	1.22E-07	6.47E-09	1.25E-08	6.26E-10	1.96E-08	6.29E-09	1.07E-08	7.95E-10	1.78E-08	3.58E-09	5.92E-09	1.96E-10	9.69E-09
1564	742549.43	4109144.62	4.38E-08	7.97E-08	4.38E-09	1.28E-07	6.79E-09	1.31E-08	6.57E-10	2.05E-08	6.60E-09	1.12E-08	8.34E-10	1.87E-08	3.75E-09	6.20E-09	2.06E-10	1.02E-08
1565	742569.6	4109158.27	4.61E-08	8.40E-08	4.61E-09	1.35E-07	7.15E-09	1.38E-08	6.92E-10	2.16E-08	6.95E-09	1.19E-08	8.79E-10	1.97E-08	3.95E-09	6.54E-09	2.17E-10	1.07E-08
1566	742589.78	4109171.92	4.88E-08	8.89E-08	4.88E-09	1.42E-07	7.56E-09	1.46E-08	7.32E-10	2.29E-08	7.35E-09	1.25E-08	9.29E-10	2.08E-08	4.18E-09	6.91E-09	2.29E-10	1.13E-08
1567	742609.95	4109185.58	5.17E-08	9.41E-08	5.17E-09	1.51E-07	8.01E-09	1.54E-08	7.75E-10	2.42E-08	7.79E-09	1.33E-08	9.84E-10	2.21E-08	4.43E-09	7.32E-09	2.43E-10	1.20E-08
1568	742630.12	4109199.23	5.48E-08	9.98E-08	5.48E-09	1.60E-07	8.50E-09	1.64E-08	8.22E-10	2.57E-08	8.26E-09	1.41E-08	1.04E-09	2.34E-08	4.70E-09	7.77E-09	2.58E-10	1.27E-08
1569	742650.3	4109212.89	5.81E-08	1.06E-07	5.81E-09	1.70E-07	9.00E-09	1.73E-08	8.71E-10	2.72E-08	8.76E-09	1.49E-08	1.11E-09	2.48E-08	4.98E-09	8.23E-09	2.73E-10	1.35E-08
1570	742670.47	4109226.54	6.14E-08	1.12E-07	6.14E-09	1.79E-07	9.52E-09	1.83E-08	9.21E-10	2.88E-08	9.25E-09	1.58E-08	1.17E-09	2.62E-08	5.26E-09	8.70E-09	2.88E-10	1.42E-08
1571	742690.65	4109240.2	6.46E-08	1.18E-07	6.46E-09	1.89E-07	1.00E-08	1.93E-08	9.69E-10	3.03E-08	9.74E-09	1.66E-08	1.23E-09	2.76E-08	5.53E-09	9.16E-09	3.03E-10	1.50E-08
1572	742710.82	4109253.85	6.76E-08	1.23E-07	6.77E-09	1.98E-07	1.05E-08	2.02E-08	1.02E-09	3.17E-08	1.02E-08	1.74E-08	1.29E-09	2.89E-08	5.80E-09	9.59E-09	3.18E-10	1.57E-08
1573	742731	4109267.51	7.06E-08	1.29E-07	7.06E-09	2.06E-07	1.09E-08	2.11E-08	1.06E-09	3.31E-08	1.06E-08	1.81E-08	1.34E-09	3.01E-08	6.05E-09	1.00E-08	3.32E-10	1.64E-08
1574	742751.17	4109281.16	7.31E-08	1.33E-07	7.32E-09	2.14E-07	1.13E-08	2.19E-08	1.10E-09	3.43E-08	1.10E-08	1.88E-08	1.39E-09	3.12E-08	6.27E-09	1.04E-08	3.44E-10	1.70E-08
1575	742771.34	4109294.81	7.54E-08	1.37E-07	7.55E-09	2.20E-07	1.17E-08	2.25E-08	1.13E-09	3.54E-08	1.14E-08	1.94E-08	1.44E-09	3.22E-08	6.46E-09	1.07E-08	3.55E-10	1.75E-08
1576	742791.52	4109308.47	7.74E-08	1.41E-07	7.75E-09	2.26E-07	1.20E-08	2.31E-08	1.16E-09	3.63E-08	1.17E-08	1.99E-08	1.48E-09	3.31E-08	6.63E-09	1.10E-08	3.64E-10	1.80E-08
1577	742811.69	4109322.12	7.90E-08	1.44E-07	7.91E-09	2.31E-07	1.23E-08	2.36E-08	1.19E-09	3.71E-08	1.19E-08	2.03E-08	1.51E-09	3.37E-08	6.77E-09	1.12E-08	3.71E-10	1.84E-08
1578	741596.19	4109077.12	2.20E-08	4.00E-08	2.20E-09	6.42E-08	3.41E-09	6.56E-09	3.30E-10	1.03E-08	3.31E-09	5.65E-09	4.19E-10	9.38E-09	1.88E-09	3.12E-09	1.03E-10	5.10E-09
1579	741575.55	4109090.38	2.23E-08	4.06E-08	2.23E-09	6.51E-08	3.46E-09	6.66E-09	3.35E-10	1.05E-08	3.36E-09	5.73E-09	4.25E-10	9.52E-09	1.91E-09	3.16E-09	1.05E-10	5.18E-09
1580	741554.91	4109103.63	2.27E-08	4.13E-08	2.27E-09	6.62E-08	3.51E-09	6.77E-09	3.40E-10	1.06E-08	3.42E-09	5.82E-09	4.32E-10	9.67E-09	1.94E-09	3.21E-09	1.06E-10	5.26E-09
1581	741534.27	4109116.89	2.31E-08	4.20E-08	2.31E-09	6.74E-08	3.58E-09	6.89E-09	3.46E-10	1.08E-08	3.48E-09	5.93E-09	4.39E-10	9.85E-09	1.98E-09	3.27E-09	1.08E-10	5.35E-09
1582	741513.64	4109130.15	2.35E-08	4.28E-08	2.35E-09	6.87E-08	3.64E-09	7.02E-09	3.53E-10	1.10E-08	3.54E-09	6.04E-09	4.48E-10	1.00E-08	2.01E-09	3.33E-09	1.10E-10	5.46E-09
1583	741493	4109143.4	2.39E-08	4.36E-08	2.39E-09	6.99E-08	3.71E-09	7.15E-09	3.59E-10	1.12E-08	3.61E-09	6.15E-09	4.56E-10	1.02E-08	2.05E-09	3.39E-09	1.12E-10	5.56E-09
1584	741472.36	4109156.66	2.43E-08	4.43E-08	2.43E-09	7.11E-08	3.77E-09	7.27E-09	3.65E-10	1.14E-08	3.67E-09	6.25E-09	4.64E-10	1.04E-08	2.08E-09	3.45E-09	1.14E-10	5.65E-09
1585	741512.21	4108904.4	1.64E-08	2.98E-08	1.64E-09	4.79E-08	2.54E-09	4.89E-09	2.46E-10	7.68E-09	2.47E-09	4.21E-09	3.12E-10	6.99E-09	1.40E-09	2.32E-09	7.70E-11	3.80E-09
1586	741536.33	4108899.95	1.64E-08	2.99E-08	1.64E-09	4.80E-08	2.55E-09	4.91E-09	2.47E-10	7.70E-09	2.48E-09	4.22E-09	3.13E-10	7.02E-09	1.41E-09	2.33E-09	7.72E-11	3.82E-09
1587	741560.44	4108895.51	1.65E-08	3.01E-08	1.65E-09	4.82E-08	2.56E-09	4.93E-09	2.48E-10	7.74E-09	2.49E-09	4.24E-09	3.15E-10	7.05E-09	1.41E-09	2.34E-09	7.76E-11	3.83E-09
1588	741584.55	4108891.06	1.66E-08	3.03E-08	1.66E-09	4.85E-08	2.58E-09	4.96E-09	2.49E-10	7.79E-09	2.50E-09	4.27E-09	3.16E-10	7.09E-09	1.42E-09	2.35E-09	7.80E-11	3.86E-09
1589	741608.67	4108886.62	1.67E-08	3.05E-08	1.67E-09	4.89E-08	2.59E-09	5.00E-09	2.51E-10	7.84E-09	2.52E-09	4.30E-09	3.19E-10	7.14E-09	1.43E-09	2.37E-09	7.86E-11	3.88E-09
1590	741632.78	4108882.17	1.69E-08	3.07E-08	1.69E-09	4.93E-08	2.61E-09	5.04E-09	2.53E-10	7.90E-09	2.54E-09	4.33E-09	3.21E-10	7.20E-09	1.44E-09	2.39E-09	7.92E-11	3.91E-09
1591	741656.9	4108877.72	1.70E-08	3.10E-08	1.70E-09	4.97E-08	2.64E-09	5.08E-09	2.55E-10	7.97E-09	2.56E-09	4.37E-09	3.24E-10	7.26E-09	1.46E-09	2.41E-09	7.99E-11	3.95E-09
1592	741681.01	4108873.28	1.72E-08	3.13E-08	1.72E-09	5.02E-08	2.66E-09	5.13E-09	2.58E-10	8.05E-09	2.59E-09	4.41E-09	3.27E-10	7.33E-09	1.47E-09	2.43E-09	8.07E-11	3.99E-09
1593	741705.12	4108868.83	1.73E-08	3.16E-08	1.73E-09	5.06E-08	2.69E-09	5.18E-09	2.60E-10	8.12E-09	2.61E-09	4.45E-09	3.30E-10	7.40E-09	1.48E-09	2.46E-09	8.14E-11	4.02E-09
1594	741729.24	4108864.39	1.75E-08	3.19E-08	1.75E-09	5.11E-08	2.71E-09	5.23E-09	2.63E-10	8.20E-09	2.64E-09	4.50E-09	3.33E-10	7.47E-09	1.50E-09	2.48E-09	8.22E-11	4.06E-09
1595	741753.35	4108859.94	1.77E-08	3.22E-08	1.77E-09	5.17E-08	2.74E-09	5.28E-09	2.65E-10	8.29E-09	2.67E-09	4.54E-09	3.37E-10	7.55E-09	1.51E-09	2.51E-09	8.31E-11	4.10E-09
1596	741777.46	4108855.5	1.79E-08	3.26E-08	1.79E-09	5.22E-08	2.77E-09	5.34E-09	2.68E-10	8.38E-09	2.69E-09	4.59E-09	3.41E-10	7.63E-09	1.53E-09	2.53E-09	8.40E-11	4.15E-09
1597	741801.58	4108851.05	1.81E-08	3.29E-08	1.81E-09	5.28E-08	2.80E-09	5.40E-09	2.71E-10	8.47E-09	2.72E-09	4.64E-09	3.44E-10	7.71E-09	1.55E-09	2.56E-09	8.49E-11	4.19E-09
1598	741825.69	4108846.61	1.83E-08	3.33E-08	1.83E-09	5.34E-08	2.83E-09	5.45E-09	2.74E-10	8.56E-09	2.75E-09	4.69E-09	3.48E-10	7.80E-09	1.56E-09	2.59E-09	8.58E-11	4.24E-09

1599	741849.8	4108842.16	1.85E-08	3.36E-08	1.85E-09	5.39E-08	2.86E-09	5.51E-09	2.77E-10	8.65E-09	2.78E-09	4.74E-09	3.52E-10	7.88E-09	1.58E-09	2.62E-09	8.67E-11	4.28E-09
1600	741873.92	4108837.71	1.86E-08	3.40E-08	1.87E-09	5.45E-08	2.89E-09	5.57E-09	2.80E-10	8.74E-09	2.81E-09	4.79E-09	3.55E-10	7.96E-09	1.60E-09	2.64E-09	8.76E-11	4.33E-09
1601	741898.03	4108833.27	1.88E-08	3.43E-08	1.88E-09	5.50E-08	2.92E-09	5.62E-09	2.82E-10	8.82E-09	2.84E-09	4.84E-09	3.59E-10	8.04E-09	1.61E-09	2.67E-09	8.85E-11	4.37E-09
1602	741922.15	4108828.82	1.90E-08	3.46E-08	1.90E-09	5.55E-08	2.95E-09	5.68E-09	2.85E-10	8.91E-09	2.86E-09	4.88E-09	3.62E-10	8.11E-09	1.63E-09	2.69E-09	8.93E-11	4.41E-09
1603	741946.26	4108824.38	1.92E-08	3.49E-08	1.92E-09	5.60E-08	2.97E-09	5.73E-09	2.88E-10	8.99E-09	2.89E-09	4.93E-09	3.65E-10	8.18E-09	1.64E-09	2.72E-09	9.01E-11	4.45E-09
1604	741970.37	4108819.93	1.93E-08	3.52E-08	1.93E-09	5.65E-08	3.00E-09	5.77E-09	2.90E-10	9.06E-09	2.91E-09	4.97E-09	3.68E-10	8.25E-09	1.66E-09	2.74E-09	9.08E-11	4.49E-09
1605	741994.49	4108815.49	1.95E-08	3.55E-08	1.95E-09	5.69E-08	3.02E-09	5.81E-09	2.92E-10	9.12E-09	2.93E-09	5.00E-09	3.71E-10	8.31E-09	1.67E-09	2.76E-09	9.15E-11	4.52E-09
1606	742018.6	4108811.04	1.96E-08	3.57E-08	1.96E-09	5.72E-08	3.04E-09	5.85E-09	2.94E-10	9.18E-09	2.95E-09	5.03E-09	3.73E-10	8.36E-09	1.68E-09	2.78E-09	9.20E-11	4.54E-09
1607	742042.71	4108806.6	1.97E-08	3.58E-08	1.97E-09	5.75E-08	3.05E-09	5.87E-09	2.95E-10	9.22E-09	2.97E-09	5.05E-09	3.75E-10	8.39E-09	1.68E-09	2.79E-09	9.24E-11	4.57E-09
1608	742066.83	4108802.15	1.97E-08	3.60E-08	1.98E-09	5.77E-08	3.06E-09	5.90E-09	2.96E-10	9.26E-09	2.98E-09	5.07E-09	3.76E-10	8.43E-09	1.69E-09	2.80E-09	9.28E-11	4.58E-09
1609	742090.94	4108797.7	1.98E-08	3.61E-08	1.98E-09	5.79E-08	3.07E-09	5.92E-09	2.97E-10	9.29E-09	2.99E-09	5.09E-09	3.77E-10	8.46E-09	1.70E-09	2.81E-09	9.31E-11	4.60E-09
1610	742115.05	4108793.26	1.99E-08	3.62E-08	1.99E-09	5.81E-08	3.08E-09	5.94E-09	2.98E-10	9.32E-09	3.00E-09	5.11E-09	3.79E-10	8.49E-09	1.70E-09	2.82E-09	9.34E-11	4.62E-09
1611	742139.17	4108788.81	2.00E-08	3.64E-08	2.00E-09	5.84E-08	3.10E-09	5.97E-09	3.00E-10	9.37E-09	3.01E-09	5.14E-09	3.81E-10	8.53E-09	1.71E-09	2.83E-09	9.39E-11	4.64E-09
1612	742163.28	4108784.37	2.01E-08	3.66E-08	2.01E-09	5.88E-08	3.12E-09	6.01E-09	3.02E-10	9.43E-09	3.03E-09	5.17E-09	3.83E-10	8.59E-09	1.72E-09	2.85E-09	9.45E-11	4.67E-09
1613	742187.4	4108779.92	2.03E-08	3.70E-08	2.03E-09	5.93E-08	3.15E-09	6.06E-09	3.04E-10	9.51E-09	3.06E-09	5.21E-09	3.87E-10	8.66E-09	1.74E-09	2.88E-09	9.53E-11	4.71E-09
1614	742211.51	4108775.48	2.05E-08	3.73E-08	2.05E-09	5.99E-08	3.18E-09	6.12E-09	3.08E-10	9.61E-09	3.09E-09	5.27E-09	3.90E-10	8.75E-09	1.76E-09	2.91E-09	9.63E-11	4.76E-09
1615	742235.62	4108771.03	2.07E-08	3.78E-08	2.07E-09	6.06E-08	3.21E-09	6.19E-09	3.11E-10	9.72E-09	3.13E-09	5.33E-09	3.95E-10	8.85E-09	1.78E-09	2.94E-09	9.74E-11	4.81E-09
1616	742259.74	4108766.59	2.10E-08	3.82E-08	2.10E-09	6.13E-08	3.25E-09	6.26E-09	3.15E-10	9.83E-09	3.16E-09	5.39E-09	4.00E-10	8.95E-09	1.80E-09	2.97E-09	9.85E-11	4.87E-09
1617	742283.85	4108762.14	2.12E-08	3.86E-08	2.12E-09	6.19E-08	3.29E-09	6.33E-09	3.18E-10	9.94E-09	3.20E-09	5.45E-09	4.04E-10	9.05E-09	1.82E-09	3.01E-09	9.96E-11	4.92E-09
1618	742328.27	4108771.44	2.21E-08	4.02E-08	2.21E-09	6.45E-08	3.42E-09	6.59E-09	3.31E-10	1.03E-08	3.33E-09	5.67E-09	4.20E-10	9.42E-09	1.89E-09	3.13E-09	1.04E-10	5.12E-09
1619	742348.58	4108785.18	2.27E-08	4.13E-08	2.27E-09	6.63E-08	3.52E-09	6.78E-09	3.40E-10	1.06E-08	3.42E-09	5.83E-09	4.32E-10	9.68E-09	1.94E-09	3.22E-09	1.07E-10	5.27E-09
1620	742368.88	4108798.93	2.33E-08	4.24E-08	2.33E-09	6.79E-08	3.61E-09	6.95E-09	3.49E-10	1.09E-08	3.51E-09	5.98E-09	4.43E-10	9.93E-09	1.99E-09	3.30E-09	1.09E-10	5.40E-09
1621	742389.19	4108812.67	2.37E-08	4.33E-08	2.38E-09	6.94E-08	3.68E-09	7.09E-09	3.56E-10	1.11E-08	3.58E-09	6.10E-09	4.53E-10	1.01E-08	2.04E-09	3.37E-09	1.12E-10	5.51E-09
1622	742409.49	4108826.41	2.42E-08	4.41E-08	2.42E-09	7.07E-08	3.75E-09	7.23E-09	3.63E-10	1.13E-08	3.65E-09	6.22E-09	4.61E-10	1.03E-08	2.07E-09	3.43E-09	1.14E-10	5.62E-09
1623	742429.8	4108840.16	2.46E-08	4.48E-08	2.46E-09	7.19E-08	3.82E-09	7.35E-09	3.69E-10	1.15E-08	3.71E-09	6.33E-09	4.69E-10	1.05E-08	2.11E-09	3.49E-09	1.16E-10	5.71E-09
1624	742450.11	4108853.9	2.50E-08	4.56E-08	2.50E-09	7.31E-08	3.88E-09	7.47E-09	3.75E-10	1.17E-08	3.77E-09	6.43E-09	4.76E-10	1.07E-08	2.14E-09	3.54E-09	1.17E-10	5.80E-09
1625	742470.41	4108867.65	2.54E-08	4.63E-08	2.54E-09	7.42E-08	3.94E-09	7.59E-09	3.81E-10	1.19E-08	3.83E-09	6.53E-09	4.84E-10	1.08E-08	2.18E-09	3.60E-09	1.19E-10	5.90E-09
1626	742490.72	4108881.39	2.58E-08	4.71E-08	2.58E-09	7.55E-08	4.01E-09	7.72E-09	3.88E-10	1.21E-08	3.90E-09	6.64E-09	4.92E-10	1.10E-08	2.21E-09	3.66E-09	1.21E-10	6.00E-09
1627	742511.03	4108895.13	2.63E-08	4.79E-08	2.63E-09	7.69E-08	4.08E-09	7.86E-09	3.95E-10	1.23E-08	3.97E-09	6.76E-09	5.01E-10	1.12E-08	2.25E-09	3.73E-09	1.24E-10	6.11E-09
1628	742531.33	4108908.88	2.69E-08	4.89E-08	2.69E-09	7.85E-08	4.16E-09	8.02E-09	4.03E-10	1.26E-08	4.05E-09	6.90E-09	5.12E-10	1.15E-08	2.30E-09	3.81E-09	1.26E-10	6.23E-09
1629	742551.64	4108922.62	2.75E-08	5.00E-08	2.75E-09	8.03E-08	4.26E-09	8.21E-09	4.12E-10	1.29E-08	4.14E-09	7.06E-09	5.23E-10	1.17E-08	2.35E-09	3.89E-09	1.29E-10	6.38E-09
1630	742571.94	4108936.36	2.82E-08	5.13E-08	2.82E-09	8.23E-08	4.37E-09	8.42E-09	4.23E-10	1.32E-08	4.25E-09	7.24E-09	5.37E-10	1.20E-08	2.41E-09	3.99E-09	1.32E-10	6.54E-09
1631	742592.25	4108950.11	2.90E-08	5.28E-08	2.90E-09	8.47E-08	4.50E-09	8.66E-09	4.35E-10	1.36E-08	4.37E-09	7.45E-09	5.52E-10	1.24E-08	2.48E-09	4.11E-09	1.36E-10	6.73E-09
1632	742612.56	4108963.85	3.00E-08	5.46E-08	3.00E-09	8.76E-08	4.65E-09	8.95E-09	4.50E-10	1.40E-08	4.52E-09	7.70E-09	5.71E-10	1.28E-08	2.57E-09	4.25E-09	1.41E-10	6.96E-09
1633	742632.86	4108977.59	3.11E-08	5.67E-08	3.11E-09	9.09E-08	4.83E-09	9.30E-09	4.67E-10	1.46E-08	4.69E-09	8.00E-09	5.93E-10	1.33E-08	2.67E-09	4.41E-09	1.46E-10	7.23E-09
1634	742653.17	4108991.34	3.25E-08	5.91E-08	3.25E-09	9.49E-08	5.03E-09	9.70E-09	4.87E-10	1.52E-08	4.89E-09	8.34E-09	6.19E-10	1.39E-08	2.78E-09	4.60E-09	1.53E-10	7.54E-09
1635	742673.47	4109005.08	3.40E-08	6.20E-08	3.40E-09	9.94E-08	5.27E-09	1.02E-08	5.10E-10	1.59E-08	5.13E-09	8.74E-09	6.48E-10	1.45E-08	2.91E-09	4.82E-09	1.60E-10	7.89E-09
1636	742693.78	4109018.83	3.57E-08	6.51E-08	3.57E-09	1.04E-07	5.54E-09	1.07E-08	5.36E-10	1.67E-08	5.38E-09	9.18E-09	6.80E-10	1.52E-08	3.06E-09	5.06E-09	1.68E-10	8.29E-09
1637	742714.09	4109032.57	3.76E-08	6.84E-08	3.76E-09	1.10E-07	5.83E-09	1.12E-08	5.64E-10	1.76E-08	5.66E-09	9.66E-09	7.16E-10	1.60E-08	3.22E-09	5.33E-09	1.77E-10	8.72E-09
1638	742734.39	4109046.31	3.96E-08	7.21E-08	3.96E-09	1.16E-07	6.13E-09	1.18E-08	5.94E-10	1.85E-08	5.97E-09	1.02E-08	7.54E-10	1.69E-08	3.39E-09	5.61E-09	1.86E-10	9.18E-09
1639	742754.7	4109060.06	4.16E-08	7.58E-08	4.16E-09	1.22E-07	6.45E-09	1.24E-08	6.25E-10	1.95E-08	6.28E-09	1.07E-08	7.93E-10	1.78E-08	3.57E-09	5.90E-09	1.96E-10	9.66E-09
1640	742775	4109073.8	4.37E-08	7.96E-08	4.37E-09	1.28E-07	6.77E-09	1.31E-08	6.56E-10	2.05E-08	6.59E-09	1.12E-08	8.32E-10	1.86E-08	3.74E-09	6.19E-09	2.05E-10	1.01E-08
1641	742795.31	4109087.54	4.57E-08	8.33E-08	4.58E-09	1.34E-07	7.09E-09	1.37E-08	6.86E-10	2.14E-08	6.90E-09	1.18E-08	8.72E-10	1.95E-08	3.92E-09	6.49E-09	2.15E-10	1.06E-08
1642	742815.62	4109101.29	4.77E-08	8.69E-08	4.77E-09	1.39E-07	7.40E-09	1.43E-08	7.16E-10	2.24E-08	7.19E-09	1.23E-08	9.09E-10	2.04E-08	4.09E-09	6.76E-09	2.24E-10	1.11E-08
1643	742835.92	4109115.03	4.95E-08	9.03E-08	4.96E-09	1.45E-07	7.68E-09	1.48E-08	7.44E-10	2.32E-08	7.47E-09	1.27E-08	9.44E-10	2.12E-08	4.25E-09	7.02E-09	2.33E-10	1.15E-08
1644	742856.23	4109128.78	5.13E-08	9.34E-08	5.13E-09	1.50E-07	7.95E-09	1.53E-08	7.69E-10	2.40E-08	7.73E-09	1.32E-08	9.77E-10	2.19E-08	4.39E-09	7.27E-09	2.41E-10	1.19E-08
1645	742876.54	4109142.52	5.28E-08	9.62E-08	5.28E-09	1.54E-07	8.19E-09	1.58E-08	7.92E-10	2.48E-08	7.96E-09	1.36E-08	1.01E-09	2.25E-08	4.52E-09	7.49E-09	2.48E-10	1.23E-08
1646	742896.84	4109156.26	5.42E-08	9.87E-08	5.42E-09	1.58E-07	8.40E-09	1.62E-08	8.13E-10	2.54E-08	8.17E-09	1.39E-08	1.03E-09	2.31E-08	4.64E-09	7.68E-09	2.55E-10	1.26E-08
1647	742917.15	4109170.01	5.54E-08	1.01E-07	5.54E-09	1.62E-07	8.58E-09	1.65E-08	8.31E-10	2.60E-08	8.35E-09	1.42E-08	1.05E-09	2.36E-08	4.74E-09	7.85E-09	2.60E-10	1.29E-08
1648	742937.45	4109183.75	5.64E-08	1.03E-07	5.65E-09	1.65E-07	8.75E-09	1.69E-08	8.47E-10	2.65E-08	8.51E-09	1.45E-08	1.08E-09	2.41E-08	4.84E-09	8.00E-09	2.65E-10	1.31E-08
1649	742957.76	4109197.49	5.74E-08	1.05E-07	5.74E-09	1.68E-07	8.90E-09	1.71E-08	8.61E-10	2.69E-08	8.65E-09	1.47E-08	1.09E-09	2.45E-08	4.92E-09	8.13E-09	2.70E-10	1.33E-08
1650	742978.07	4109211.24	5.81E-08	1.06E-07	5.82E-09	1.70E-07	9.02E-09	1.74E-08	8.73E-10	2.73E-08	8.77E-09	1.49E-08	1.11E-09	2.48E-08	4.98E-09	8.24E-09	2.73E-10	1.35E-08
1651	741488.1	4108908.84	1.64E-08	2.98E-08	1.64E-09	4.78E-08	2.54E-09	4.89E-09	2.46E-10	7.67E-09	2.47E-09	4.21E-09	3.12E-10	6.99E-09	1.40E-09	2.32E-09	7.69E-11	3.80E-09
1652	741467.46	4108922.1	1.66E-08	3.03E-08	1.66E-09	4.85E-08	2.58E-09	4.96E-09	2.49E-10	7.79E-09	2.50E-09	4.27E-09	3.16E-10	7.09E-09	1.42E-09	2.35E-09	7.80E-11	3.86E-09
1653	741446.82	4108935.36	1.69E-08	3.08E-08	1.69E-09	4.93E-08	2.62E-09	5.04E-09	2.53E-10	7.91E-09	2.55E-09	4.34E-09	3.22E-10	7.21E-09	1.45E-09	2.39E-09	7.93E-11	3.92E-09
1654	741426.19	4108948.61	1.72E-08	3.13E-08	1.72E-09	5.02E-08	2.66E-09	5.13E-09	2.58E-10	8.05E-09	2.59E-09	4.41E-09	3.27E-10	7.33E-09	1.47E-09	2.43E-09	8.07E-11	3.99E-09
1655	741405.55	4108961.87	1.75E-08	3.19E-08	1.75E-09	5.11E-08	2.71E-09	5.22E-09	2.62E-10	8.19E-09	2.64E-09	4.49E-09	3.33E-10	7.46E-09	1.50E-09	2.48E-09	8.21E-11	4.06E-09
1656	741384.91	4108975.13	1.78E-08	3.24E-08	1.78E-09	5.20E-08	2.76E-09	5.31E-09	2.67E-10	8.34E-09	2.68E-09	4.57E-09	3.39E-10	7.60E-09	1.52E-09	2.52E-09	8.36E-11	4.13E-09
1657	741364.27	4108988.38	1.81E-08	3.30E-08	1.81E-09	5.29E-08	2.81E-09	5.41E-09	2.72E-10	8.48E-09	2.73E-09	4.65E-09	3.45E-10	7.73E-09	1.55E-09	2.57E-09	8.50E-11	4.20E-09
1658	741403.64	4108736.21	1.28E-08	2.34E-08	1.28E-09	3.74E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.29E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.98E-09
1659	741427.28	4108731.85	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.30E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.03E-11	2.98E-09
1660	741450.91	4108727.5	1.28E-08	2.34E-08	1.29E-09	3.75E-08	1.99E-09	3.84E-09	1.93E-10	6.02E-09	1.94E-09	3.30E-09	2.45E-10	5.48E-09	1.10E-09	1.82E-09	6.04E-11	2.98E-09
1661	741474.54	4108723.14	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.85E-09	1.93E-10	6.04E-09	1.94E-09	3.31E-09	2.46E-10	5.50E-09	1.10E-09	1.83E-09	6.06E-11	2.99E-09
1662	741498.17	4108718.78	1.29E-08	2.36E-08	1.30E-09	3.78E-08	2.01E-09	3.87E-09	1.94E-10	6.07E-09	1.95E-09	3.33E-09	2.47E-10	5.53E-09	1.11E-09	1.84E-09	6.09E-11	3.01E-09
1663	741521.81	4108714.43	1.30E-08	2.37E-08	1.30E-09	3.81E-08	2.02E-09	3.89E-09	1.95E-10	6.11E-09	1.96E-09	3.35E-09	2.48E-10	5.56E-09	1.12E-09	1.85E-09	6.12E-11	3.02E-09
1664	741545.44	4108710.07	1.31E-08	2.39E-08	1.31E-09	3.83E-08	2.03E-09	3.92E-09	1.97E-10	6.15E-09	1.98E-09	3.37E-09	2.50E-10	5.60E-09	1.12E-09	1.86E-09	6.16E-11	3.04E-09
1665	741569.07	4108705.71	1.32E-08	2.41E-08	1.32E-09	3.86E-08	2.05E-09	3.95E-09	1.98E-10	6.20E-09	1.99E-09	3.40E-09	2.52E-10	5.64E-09	1.13E-09	1.87E-09	6.21E-11	3.07E-09
1666	741592.7	4108701.36	1.33E-08	2.43E-08	1.33E-09	3.89E-08	2.07E-09	3.98E-09	2.00E-10	6.25E-09	2.01E-09	3.43E-09	2.54E-10	5.69E-09	1.14E-09	1.89E-09	6.26E-11	3.09E-09
1667	741616.34	4108697	1.34E-08	2.45E-08	1.35E-09	3.93E-08	2.09E-09	4.02E-09	2.02E-10	6.30E-09	2.03E-09	3.46E-09	2.56E-10	5.74E-09	1.15E-09	1.91E-09	6.32E-11	3.12E-09
1668	741639.97	4108692.64	1.36E-08	2.47E-08	1.36E-09	3.96E-08	2.10E-09	4.05E-09	2.04E-10	6.36E-09	2.05E-09	3.49E-09	2.59E-10	5.79E-09	1.16E-09	1.92E-09	6.38E-11	3.15E-09
1669	741663.6	4108688.29	1.37E-08	2.49E-08	1.37E-09	4.00E-08	2.12E-09	4.09E-09	2.05E-10	6.42E-09	2.06E-09	3.52E-09	2.61E-10	5.84E-09	1.17E-09	1.94E-09	6.43E-11	3.18E-09
1670	741687.23	4108683.93	1.38E-08	2.52E-08	1.38E-09	4.04E-08	2.14E-09	4.13E-09	2.07E-10	6.48E-09	2.08E-09	3.55E-09	2.63E-10	5.90E-09	1.18E-09	1.96E-09	6.49E-11	3.21E-09
1671	741710.87	4108679.57	1.39E-08	2.54E-08	1.39E-09	4.07E-08	2.16E-09	4.16E-09	2.09E-10	6.53E-09	2.10E-09	3.58E-09	2.66E-10	5.95E-09	1.19E-09	1.98E-09	6.55E-11	3.24E-09
1672	741734.5	4108675.21	1.41E-08	2.56E-08	1.41E-09	4.11E-08	2.18E-09	4.20E-09	2.11E-10	6.59E-09	2.12E-09	3.61E-09	2.68E-10	6.00E-09	1.20E-09	1.99E-09	6.61E-11	3.26E-09
1673	741758.13	4108670.86	1.42E-08	2.58E-08	1.42E-09	4.14E-08	2.20E-09	4.24E-09	2.13E-10	6.65E-09	2.14E-09	3.64E-09	2.70E-10	6.05E-09	1.21E-09	2.01E-09	6.66E-11	3.29E-09
1674	741781.76	4108666.5	1.43E-08	2.61E-08	1.43E-09	4.18E-08	2.22E-09	4.27E-09	2.15E-10	6.70E-09	2.16E-09	3.68E-09	2.72E-10	6.10E-09	1.23E-09	2.03E-09	6.72E-11	3.32E-09
1675	741805.39	4108662.14	1.44E-08	2.63E-08	1.44E-09	4.21E-08	2.24E-09	4.31E-09	2.16E-10	6.76E-09	2.17E-09	3.71E-09	2.75E-10	6.16E-09	1.24E-09	2.04E-09	6.78E-11	3.35E-09
1676	741829.03	4108657.79	1.45E-08	2.65E-08	1.46E-09	4.25E-08	2.26E-09	4.35E-09	2.18E-10	6.82E-09	2.19E-09	3.74E-09	2.77E-10	6.21E-09	1.25E-09	2.06E-09	6.84E-11	3.38E-09
1677	741852.66	4108653.43	1.47E-08	2.67E-08	1.47E-09	4.29E-08	2.28E-09	4.38E-09	2.20E-10	6.88E-09	2.21E-09	3.77E-09	2.80E-10	6.27E-09	1.26E-09	2.08E-09	6.90E-11	3.41E-09
1678	741876.29	4108649.07	1.48E-08	2.70E-08	1.48E-09	4.33E-08	2.30E-09	4.42E-09	2.22E-10	6.94E-09	2.23E-09	3.81E-09	2.82E-10	6.32E-09	1.27E-09	2.10E-09	6.96E-11	3.44E-09
1679	741899.92	4108644.72	1.49E-08	2.72E-08	1.50E-09	4.37E-08	2.32E-09	4.47E-09	2.24E-10	7.01E-09	2.25E-09	3.84E-09	2.85E-10	6.38E-09	1.28E-09	2.12E-09	7.02E-11	3.47E-09
1680	741923.56	4108640.36	1.51E-08	2.75E-08	1.51E-09	4.41E-08	2.34E-09	4.51E-09	2.26E-10	7.07E-09	2.27E-09	3.88E-09	2.87E-10	6.44E-09	1.29E-09	2.14E-09	7.09E-11	3.50E-09
1681	741947.19	4108636	1.52E-08	2.77E-08	1.52E-09	4.44E-08	2.36E-09	4.54E-09	2.28E-10	7.13E-09	2.29E-09	3.91E-09	2.90E-10	6.49E-09	1.30E-09	2.16E-09	7.15E-11	3.53E-09
1682	741970.82	4108631.65	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.18E-09	2.31E-09	3.94E-09	2.92E-10	6.54E-09	1.31E-09	2.17E-09	7.20E-11	3.56E-09
1683	741994.45	4108627.29	1.54E-08	2.81E-08	1.54E-09	4.50E-08	2.39E-09	4.60E-09	2.31E-10	7.22E-09	2.32E-09	3.96E-09	2.93E-10	6.57E-09	1.32E-09	2.18E-09	7.24E-11	3.58E-09
1684	742018.09	4108622.93	1.55E-08	2.82E-08	1.55E-09	4.52E-08	2.40E-09	4.62E-09	2.32E-10	7.25E-09	2.33E-09	3.98E-09	2.95E-10	6.60E-09	1.33E-09	2.19E-09	7.27E-11	3.59E-09
1685	742041.72	4108618.58	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.41E-09	4.63E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.96E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
1686	742065.35	4108614.22	1.55E-08	2.83E-08	1.55E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.63E-09	1.33E-09	2.20E-09	7.30E-11	3.61E-09
1687	742088.98	4108609.86	1.55E-08	2.83E-08	1.56E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.29E-09	2.34E-09	4.00E-09	2.96E-10	6.64E-09	1.33E-09	2.20E-09	7.31E-11	3.61E-09

1688	742112.62	4108605.51	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.41E-09	4.65E-09	2.34E-10	7.30E-09	2.35E-09	4.00E-09	2.97E-10	6.64E-09	1.33E-09	2.21E-09	7.31E-11	3.61E-09
1689	742136.25	4108601.15	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.42E-09	4.66E-09	2.34E-10	7.31E-09	2.35E-09	4.01E-09	2.97E-10	6.65E-09	1.34E-09	2.21E-09	7.33E-11	3.62E-09
1690	742159.88	4108596.79	1.56E-08	2.85E-08	1.56E-09	4.57E-08	2.42E-09	4.67E-09	2.35E-10	7.33E-09	2.36E-09	4.02E-09	2.98E-10	6.67E-09	1.34E-09	2.22E-09	7.34E-11	3.63E-09
1691	742183.51	4108592.44	1.57E-08	2.86E-08	1.57E-09	4.59E-08	2.43E-09	4.69E-09	2.36E-10	7.36E-09	2.37E-09	4.03E-09	2.99E-10	6.70E-09	1.34E-09	2.22E-09	7.37E-11	3.64E-09
1692	742207.15	4108588.08	1.58E-08	2.88E-08	1.58E-09	4.61E-08	2.45E-09	4.72E-09	2.37E-10	7.40E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.67E-09
1693	742230.78	4108583.72	1.59E-08	2.90E-08	1.59E-09	4.65E-08	2.47E-09	4.75E-09	2.39E-10	7.46E-09	2.40E-09	4.09E-09	3.03E-10	6.79E-09	1.36E-09	2.26E-09	7.48E-11	3.70E-09
1694	742254.41	4108579.37	1.61E-08	2.93E-08	1.61E-09	4.70E-08	2.49E-09	4.80E-09	2.41E-10	7.54E-09	2.42E-09	4.13E-09	3.06E-10	6.86E-09	1.38E-09	2.28E-09	7.55E-11	3.73E-09
1695	742278.04	4108575.01	1.63E-08	2.96E-08	1.63E-09	4.75E-08	2.52E-09	4.86E-09	2.44E-10	7.62E-09	2.45E-09	4.18E-09	3.10E-10	6.94E-09	1.39E-09	2.30E-09	7.64E-11	3.77E-09
1696	742301.68	4108570.65	1.64E-08	3.00E-08	1.65E-09	4.81E-08	2.55E-09	4.91E-09	2.47E-10	7.71E-09	2.48E-09	4.23E-09	3.13E-10	7.02E-09	1.41E-09	2.33E-09	7.73E-11	3.82E-09
1697	742325.31	4108566.29	1.66E-08	3.03E-08	1.66E-09	4.86E-08	2.58E-09	4.97E-09	2.50E-10	7.80E-09	2.51E-09	4.27E-09	3.17E-10	7.10E-09	1.42E-09	2.36E-09	7.82E-11	3.86E-09
1698	742368.84	4108575.41	1.73E-08	3.15E-08	1.73E-09	5.05E-08	2.68E-09	5.17E-09	2.60E-10	8.11E-09	2.61E-09	4.45E-09	3.30E-10	7.38E-09	1.48E-09	2.45E-09	8.13E-11	4.02E-09
1699	742388.74	4108588.88	1.78E-08	3.24E-08	1.78E-09	5.19E-08	2.75E-09	5.31E-09	2.67E-10	8.33E-09	2.68E-09	4.57E-09	3.38E-10	7.58E-09	1.52E-09	2.52E-09	8.35E-11	4.12E-09
1700	742408.64	4108602.35	1.82E-08	3.31E-08	1.82E-09	5.32E-08	2.82E-09	5.43E-09	2.73E-10	8.53E-09	2.74E-09	4.68E-09	3.47E-10	7.77E-09	1.56E-09	2.58E-09	8.55E-11	4.22E-09
1701	742428.54	4108615.82	1.86E-08	3.38E-08	1.86E-09	5.43E-08	2.88E-09	5.55E-09	2.79E-10	8.71E-09	2.80E-09	4.77E-09	3.54E-10	7.93E-09	1.59E-09	2.63E-09	8.73E-11	4.31E-09
1702	742448.45	4108629.29	1.89E-08	3.44E-08	1.89E-09	5.52E-08	2.93E-09	5.65E-09	2.84E-10	8.86E-09	2.85E-09	4.86E-09	3.60E-10	8.07E-09	1.62E-09	2.68E-09	8.88E-11	4.39E-09
1703	742468.35	4108642.75	1.92E-08	3.50E-08	1.92E-09	5.61E-08	2.98E-09	5.73E-09	2.88E-10	9.00E-09	2.89E-09	4.93E-09	3.66E-10	8.19E-09	1.64E-09	2.72E-09	9.02E-11	4.46E-09
1704	742488.25	4108656.22	1.94E-08	3.54E-08	1.94E-09	5.68E-08	3.01E-09	5.81E-09	2.92E-10	9.11E-09	2.93E-09	5.00E-09	3.70E-10	8.30E-09	1.67E-09	2.76E-09	9.13E-11	4.51E-09
1705	742508.15	4108669.69	1.97E-08	3.58E-08	1.97E-09	5.74E-08	3.05E-09	5.87E-09	2.95E-10	9.22E-09	2.96E-09	5.05E-09	3.75E-10	8.39E-09	1.68E-09	2.79E-09	9.24E-11	4.56E-09
1706	742528.05	4108683.16	1.99E-08	3.62E-08	1.99E-09	5.81E-08	3.08E-09	5.94E-09	2.98E-10	9.32E-09	3.00E-09	5.11E-09	3.79E-10	8.48E-09	1.70E-09	2.82E-09	9.34E-11	4.61E-09
1707	742547.95	4108696.63	2.01E-08	3.66E-08	2.01E-09	5.87E-08	3.11E-09	6.00E-09	3.01E-10	9.42E-09	3.03E-09	5.16E-09	3.83E-10	8.58E-09	1.72E-09	2.85E-09	9.44E-11	4.66E-09
1708	742567.85	4108710.1	2.03E-08	3.70E-08	2.03E-09	5.94E-08	3.15E-09	6.07E-09	3.05E-10	9.52E-09	3.06E-09	5.22E-09	3.87E-10	8.67E-09	1.74E-09	2.88E-09	9.55E-11	4.72E-09
1709	742587.75	4108723.57	2.06E-08	3.75E-08	2.06E-09	6.01E-08	3.19E-09	6.15E-09	3.09E-10	9.64E-09	3.10E-09	5.29E-09	3.92E-10	8.78E-09	1.76E-09	2.92E-09	9.67E-11	4.78E-09
1710	742607.65	4108737.04	2.09E-08	3.80E-08	2.09E-09	6.10E-08	3.24E-09	6.23E-09	3.13E-10	9.78E-09	3.15E-09	5.36E-09	3.98E-10	8.91E-09	1.79E-09	2.96E-09	9.80E-11	4.84E-09
1711	742627.55	4108750.51	2.12E-08	3.86E-08	2.12E-09	6.20E-08	3.29E-09	6.33E-09	3.18E-10	9.94E-09	3.20E-09	5.45E-09	4.04E-10	9.05E-09	1.82E-09	3.01E-09	9.96E-11	4.92E-09
1712	742647.45	4108763.98	2.16E-08	3.93E-08	2.16E-09	6.31E-08	3.35E-09	6.45E-09	3.24E-10	1.01E-08	3.26E-09	5.55E-09	4.12E-10	9.22E-09	1.85E-09	3.06E-09	1.01E-10	5.01E-09
1713	742667.36	4108777.45	2.21E-08	4.02E-08	2.21E-09	6.45E-08	3.42E-09	6.59E-09	3.31E-10	1.03E-08	3.33E-09	5.67E-09	4.20E-10	9.42E-09	1.89E-09	3.13E-09	1.04E-10	5.12E-09
1714	742687.26	4108790.92	2.26E-08	4.12E-08	2.26E-09	6.61E-08	3.51E-09	6.76E-09	3.39E-10	1.06E-08	3.41E-09	5.81E-09	4.31E-10	9.66E-09	1.94E-09	3.21E-09	1.06E-10	5.25E-09
1715	742707.16	4108804.39	2.33E-08	4.24E-08	2.33E-09	6.80E-08	3.61E-09	6.95E-09	3.49E-10	1.09E-08	3.51E-09	5.98E-09	4.44E-10	9.94E-09	1.99E-09	3.30E-09	1.09E-10	5.41E-09
1716	742727.06	4108817.86	2.41E-08	4.38E-08	2.41E-09	7.03E-08	3.73E-09	7.19E-09	3.61E-10	1.13E-08	3.63E-09	6.18E-09	4.58E-10	1.03E-08	2.06E-09	3.41E-09	1.13E-10	5.58E-09
1717	742746.96	4108831.33	2.49E-08	4.55E-08	2.50E-09	7.29E-08	3.87E-09	7.45E-09	3.74E-10	1.17E-08	3.76E-09	6.41E-09	4.75E-10	1.06E-08	2.14E-09	3.54E-09	1.17E-10	5.79E-09
1718	742766.86	4108844.8	2.59E-08	4.73E-08	2.59E-09	7.58E-08	4.02E-09	7.75E-09	3.89E-10	1.22E-08	3.91E-09	6.67E-09	4.94E-10	1.11E-08	2.22E-09	3.68E-09	1.22E-10	6.02E-09
1719	742786.76	4108858.27	2.70E-08	4.93E-08	2.71E-09	7.90E-08	4.19E-09	8.08E-09	4.06E-10	1.27E-08	4.08E-09	6.95E-09	5.15E-10	1.15E-08	2.32E-09	3.83E-09	1.27E-10	6.28E-09
1720	742806.66	4108871.74	2.82E-08	5.14E-08	2.82E-09	8.25E-08	4.38E-09	8.43E-09	4.24E-10	1.32E-08	4.26E-09	7.26E-09	5.38E-10	1.21E-08	2.42E-09	4.00E-09	1.33E-10	6.55E-09
1721	742826.56	4108885.2	2.95E-08	5.37E-08	2.95E-09	8.62E-08	4.57E-09	8.81E-09	4.42E-10	1.38E-08	4.45E-09	7.58E-09	5.62E-10	1.26E-08	2.53E-09	4.18E-09	1.39E-10	6.84E-09
1722	742846.46	4108898.67	3.08E-08	5.61E-08	3.08E-09	9.00E-08	4.78E-09	9.20E-09	4.62E-10	1.44E-08	4.64E-09	7.92E-09	5.87E-10	1.31E-08	2.64E-09	4.37E-09	1.45E-10	7.15E-09
1723	742866.36	4108912.14	3.22E-08	5.86E-08	3.22E-09	9.40E-08	4.99E-09	9.61E-09	4.83E-10	1.51E-08	4.85E-09	8.27E-09	6.13E-10	1.37E-08	2.76E-09	4.56E-09	1.51E-10	7.47E-09
1724	742886.27	4108925.61	3.35E-08	6.11E-08	3.36E-09	9.80E-08	5.20E-09	1.00E-08	5.03E-10	1.57E-08	5.06E-09	8.62E-09	6.39E-10	1.43E-08	2.87E-09	4.76E-09	1.58E-10	7.79E-09
1725	742906.17	4108939.08	3.49E-08	6.36E-08	3.49E-09	1.02E-07	5.41E-09	1.04E-08	5.24E-10	1.64E-08	5.26E-09	8.97E-09	6.65E-10	1.49E-08	2.99E-09	4.95E-09	1.64E-10	8.10E-09
1726	742926.07	4108952.55	3.62E-08	6.60E-08	3.62E-09	1.06E-07	5.61E-09	1.08E-08	5.43E-10	1.70E-08	5.46E-09	9.31E-09	6.90E-10	1.55E-08	3.10E-09	5.13E-09	1.70E-10	8.41E-09
1727	742945.97	4108966.02	3.74E-08	6.82E-08	3.74E-09	1.09E-07	5.80E-09	1.12E-08	5.62E-10	1.75E-08	5.64E-09	9.62E-09	7.13E-10	1.60E-08	3.21E-09	5.30E-09	1.76E-10	8.69E-09
1728	742965.87	4108979.49	3.86E-08	7.04E-08	3.87E-09	1.13E-07	5.99E-09	1.15E-08	5.80E-10	1.81E-08	5.83E-09	9.93E-09	7.36E-10	1.65E-08	3.31E-09	5.48E-09	1.82E-10	8.97E-09
1729	742985.77	4108992.96	3.97E-08	7.24E-08	3.97E-09	1.16E-07	6.16E-09	1.19E-08	5.96E-10	1.86E-08	5.99E-09	1.02E-08	7.57E-10	1.70E-08	3.40E-09	5.63E-09	1.87E-10	9.22E-09
1730	743005.67	4109006.43	4.06E-08	7.41E-08	4.07E-09	1.19E-07	6.30E-09	1.21E-08	6.10E-10	1.91E-08	6.13E-09	1.04E-08	7.75E-10	1.74E-08	3.48E-09	5.76E-09	1.91E-10	9.44E-09
1731	743025.57	4109019.9	4.14E-08	7.54E-08	4.14E-09	1.21E-07	6.42E-09	1.24E-08	6.21E-10	1.94E-08	6.24E-09	1.06E-08	7.88E-10	1.77E-08	3.55E-09	5.87E-09	1.94E-10	9.61E-09
1732	743045.47	4109033.37	4.20E-08	7.66E-08	4.21E-09	1.23E-07	6.52E-09	1.26E-08	6.31E-10	1.97E-08	6.34E-09	1.08E-08	8.01E-10	1.79E-08	3.60E-09	5.96E-09	1.98E-10	9.76E-09
1733	743065.37	4109046.84	4.27E-08	7.78E-08	4.27E-09	1.25E-07	6.62E-09	1.28E-08	6.41E-10	2.00E-08	6.44E-09	1.10E-08	8.13E-10	1.82E-08	3.66E-09	6.05E-09	2.01E-10	9.91E-09
1734	743085.27	4109060.31	4.32E-08	7.87E-08	4.32E-09	1.26E-07	6.70E-09	1.29E-08	6.49E-10	2.03E-08	6.52E-09	1.11E-08	8.24E-10	1.85E-08	3.70E-09	6.13E-09	2.03E-10	1.00E-08
1735	743105.18	4109073.78	4.37E-08	7.96E-08	4.37E-09	1.28E-07	6.78E-09	1.31E-08	6.56E-10	2.05E-08	6.59E-09	1.12E-08	8.33E-10	1.87E-08	3.74E-09	6.19E-09	2.05E-10	1.01E-08
1736	743125.08	4109087.25	4.41E-08	8.04E-08	4.42E-09	1.29E-07	6.85E-09	1.32E-08	6.63E-10	2.07E-08	6.66E-09	1.13E-08	8.41E-10	1.88E-08	3.78E-09	6.26E-09	2.07E-10	1.02E-08
1737	743144.98	4109100.72	4.46E-08	8.12E-08	4.46E-09	1.30E-07	6.91E-09	1.33E-08	6.69E-10	2.09E-08	6.72E-09	1.15E-08	8.49E-10	1.90E-08	3.82E-09	6.32E-09	2.09E-10	1.03E-08
1738	741380.01	4108740.57	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.30E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.98E-09
1739	741359.37	4108753.82	1.30E-08	2.37E-08	1.30E-09	3.79E-08	2.01E-09	3.88E-09	1.95E-10	6.09E-09	1.96E-09	3.34E-09	2.47E-10	5.54E-09	1.11E-09	1.84E-09	6.10E-11	3.02E-09
1740	741338.73	4108767.08	1.32E-08	2.40E-08	1.32E-09	3.85E-08	2.04E-09	3.94E-09	1.98E-10	6.18E-09	1.99E-09	3.39E-09	2.51E-10	5.63E-09	1.13E-09	1.87E-09	6.19E-11	3.06E-09
1741	741318.1	4108780.34	1.34E-08	2.44E-08	1.34E-09	3.91E-08	2.08E-09	4.00E-09	2.01E-10	6.28E-09	2.02E-09	3.44E-09	2.55E-10	5.71E-09	1.15E-09	1.90E-09	6.29E-11	3.11E-09
1742	741297.46	4108793.59	1.36E-08	2.48E-08	1.36E-09	3.98E-08	2.11E-09	4.06E-09	2.04E-10	6.38E-09	2.05E-09	3.50E-09	2.59E-10	5.81E-09	1.17E-09	1.93E-09	6.39E-11	3.16E-09
1743	741276.82	4108806.85	1.38E-08	2.52E-08	1.38E-09	4.04E-08	2.15E-09	4.13E-09	2.08E-10	6.49E-09	2.09E-09	3.56E-09	2.64E-10	5.91E-09	1.19E-09	1.96E-09	6.50E-11	3.21E-09
1744	741256.18	4108820.11	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.18E-09	4.21E-09	2.11E-10	6.60E-09	2.12E-09	3.62E-09	2.68E-10	6.01E-09	1.21E-09	2.00E-09	6.62E-11	3.27E-09
1745	741295.71	4108567.91	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.10E-09	1.56E-10	4.86E-09	1.56E-09	2.67E-09	1.98E-10	4.43E-09	8.89E-10	1.47E-09	4.87E-11	2.41E-09
1746	741319.5	4108563.52	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.10E-09	1.56E-10	4.86E-09	1.56E-09	2.67E-09	1.98E-10	4.43E-09	8.89E-10	1.47E-09	4.88E-11	2.41E-09
1747	741343.28	4108559.14	1.04E-08	1.89E-08	1.04E-09	3.04E-08	1.61E-09	3.10E-09	1.56E-10	4.87E-09	1.57E-09	2.67E-09	1.98E-10	4.44E-09	8.90E-10	1.47E-09	4.88E-11	2.41E-09
1748	741367.07	4108554.75	1.04E-08	1.90E-08	1.04E-09	3.04E-08	1.61E-09	3.11E-09	1.56E-10	4.88E-09	1.57E-09	2.68E-09	1.98E-10	4.44E-09	8.92E-10	1.48E-09	4.89E-11	2.42E-09
1749	741390.86	4108550.36	1.04E-08	1.90E-08	1.04E-09	3.05E-08	1.62E-09	3.12E-09	1.57E-10	4.90E-09	1.57E-09	2.68E-09	1.99E-10	4.46E-09	8.95E-10	1.48E-09	4.91E-11	2.42E-09
1750	741414.65	4108545.98	1.05E-08	1.91E-08	1.05E-09	3.06E-08	1.63E-09	3.13E-09	1.57E-10	4.91E-09	1.58E-09	2.69E-09	2.00E-10	4.47E-09	8.98E-10	1.49E-09	4.93E-11	2.43E-09
1751	741438.43	4108541.59	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.02E-10	1.49E-09	4.95E-11	2.45E-09
1752	741462.22	4108537.21	1.06E-08	1.93E-08	1.06E-09	3.09E-08	1.64E-09	3.16E-09	1.59E-10	4.96E-09	1.60E-09	2.72E-09	2.02E-10	4.52E-09	9.07E-10	1.50E-09	4.98E-11	2.46E-09
1753	741486.01	4108532.82	1.07E-08	1.94E-08	1.07E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	5.00E-09	1.61E-09	2.74E-09	2.03E-10	4.55E-09	9.13E-10	1.51E-09	5.01E-11	2.47E-09
1754	741509.79	4108528.44	1.07E-08	1.96E-08	1.07E-09	3.14E-08	1.66E-09	3.21E-09	1.61E-10	5.03E-09	1.62E-09	2.76E-09	2.05E-10	4.58E-09	9.20E-10	1.52E-09	5.04E-11	2.49E-09
1755	741533.58	4108524.05	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.68E-09	3.23E-09	1.62E-10	5.07E-09	1.63E-09	2.78E-09	2.06E-10	4.62E-09	9.27E-10	1.53E-09	5.09E-11	2.51E-09
1756	741557.37	4108519.67	1.09E-08	1.99E-08	1.09E-09	3.19E-08	1.69E-09	3.26E-09	1.64E-10	5.12E-09	1.65E-09	2.81E-09	2.08E-10	4.66E-09	9.35E-10	1.55E-09	5.13E-11	2.53E-09
1757	741581.16	4108515.28	1.10E-08	2.01E-08	1.10E-09	3.22E-08	1.71E-09	3.29E-09	1.65E-10	5.16E-09	1.66E-09	2.83E-09	2.10E-10	4.70E-09	9.43E-10	1.56E-09	5.17E-11	2.56E-09
1758	741604.94	4108510.9	1.11E-08	2.02E-08	1.11E-09	3.25E-08	1.72E-09	3.32E-09	1.67E-10	5.21E-09	1.67E-09	2.85E-09	2.12E-10	4.74E-09	9.52E-10	1.57E-09	5.22E-11	2.58E-09
1759	741628.73	4108506.51	1.12E-08	2.04E-08	1.12E-09	3.27E-08	1.74E-09	3.35E-09	1.68E-10	5.25E-09	1.69E-09	2.88E-09	2.13E-10	4.78E-09	9.60E-10	1.59E-09	5.26E-11	2.60E-09
1760	741652.52	4108502.13	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.37E-09	1.70E-10	5.30E-09	1.70E-09	2.90E-09	2.15E-10	4.82E-09	9.68E-10	1.60E-09	5.31E-11	2.62E-09
1761	741676.3	4108497.74	1.14E-08	2.07E-08	1.14E-09	3.33E-08	1.77E-09	3.40E-09	1.71E-10	5.34E-09	1.72E-09	2.93E-09	2.17E-10	4.86E-09	9.76E-10	1.61E-09	5.35E-11	2.64E-09
1762	741700.09	4108493.36	1.15E-08	2.09E-08	1.15E-09	3.35E-08	1.78E-09	3.43E-09	1.72E-10	5.38E-09	1.73E-09	2.95E-09	2.19E-10	4.90E-09	9.83E-10	1.63E-09	5.39E-11	2.66E-09
1763	741723.88	4108488.97	1.16E-08	2.11E-08	1.16E-09	3.38E-08	1.79E-09	3.45E-09	1.73E-10	5.42E-09	1.74E-09	2.97E-09	2.20E-10	4.93E-09	9.90E-10	1.64E-09	5.43E-11	2.68E-09
1764	741747.67	4108484.58	1.16E-08	2.12E-08	1.16E-09	3.40E-08	1.81E-09	3.48E-09	1.75E-10	5.46E-09	1.76E-09	2.99E-09	2.22E-10	4.97E-09	9.97E-10	1.65E-09	5.47E-11	2.70E-09
1765	741771.45	4108480.2	1.17E-08	2.14E-08	1.17E-09	3.43E-08	1.82E-09	3.50E-09	1.76E-10	5.50E-09	1.77E-09	3.01E-09	2.23E-10	5.01E-09	1.00E-09	1.66E-09	5.51E-11	2.72E-09
1766	741795.24	4108475.81	1.18E-08	2.15E-08	1.18E-09	3.45E-08	1.83E-09	3.53E-09	1.77E-10	5.54E-09	1.78E-09	3.04E-09	2.25E-10	5.04E-09	1.01E-09	1.67E-09	5.55E-11	2.74E-09
1767	741819.03	4108471.43	1.19E-08	2.17E-08	1.19E-09	3.48E-08	1.85E-09	3.56E-09	1.79E-10	5.58E-09	1.79E-09	3.06E-09	2.27E-10	5.08E-09	1.02E-09	1.69E-09	5.59E-11	2.76E-09
1768	741842.81	4108467.04	1.20E-08	2.19E-08	1.20E-09	3.51E-08	1.86E-09	3.58E-09	1.80E-10	5.62E-09	1.81E-09	3.08E-09	2.29E-10	5.12E-09	1.03E-09	1.70E-09	5.64E-11	2.79E-09
1769	741866.6	4108462.66	1.21E-08	2.20E-08	1.21E-09	3.54E-08	1.88E-09	3.61E-09	1.82E-10	5.67E-09	1.82E-09	3.11E-09	2.31E-10	5.17E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
1770	741890.39	4108458.27	1.22E-08	2.22E-08	1.22E-09	3.57E-08	1.89E-09	3.65E-09	1.83E-10	5.72E-09	1.84E-09	3.14E-09	2.33E-10	5.21E-09	1.05E-09	1.73E-09	5.74E-11	2.83E-09
1771	741914.17	4108453.89	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.77E-09	1.86E-09	3.16E-09	2.35E-10	5.25E-09	1.05E-09	1.75E-09	5.78E-11	2.86E-09
1772	741937.96	4108449.5	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.92E-09	3.71E-09	1.86E-10	5.82E-09	1.87E-09	3.19E-09	2.36E-10	5.30E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
1773	741961.75	4108445.12	1.25E-08	2.28E-08	1.25E-09	3.65E-08	1.94E-09	3.73E-09	1.87E-10	5.86E-09	1.88E-09	3.21E-09	2.38E-10	5.33E-09	1.07E-09	1.77E-09	5.87E-11	2.90E-09
1774	741985.54	4108440.73	1.26E-08	2.29E-08	1.26E-09	3.67E-08	1.95E-09	3.75E-09	1.89E-10	5.89E-09	1.89E-09	3.23E-09	2.39E-10	5.36E-09	1.08E-09	1.78E-09	5.90E-11	2.92E-09
1775	742009.32	4108436.35	1.26E-08	2.30E-08	1.26E-09	3.69E-08	1.96E-09	3.77E-09	1.89E-10	5.91E-09	1.90E-09	3.24E-09	2.40E-10	5.39E-09	1.08E-09	1.79E-09	5.93E-11	2.93E-09
1776	742033.11	4108431.96	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.93E-09	1.91E-09	3.25E-09	2.41E-10	5.40E-09	1.08E-09	1.79E-09	5.94E-11	2.94E-09

1777	742056.9	4108427.58	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.79E-09	1.90E-10	5.94E-09	1.91E-09	3.26E-09	2.41E-10	5.41E-09	1.09E-09	1.80E-09	5.95E-11	2.94E-09
1778	742080.68	4108423.19	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.97E-09	3.79E-09	1.90E-10	5.94E-09	1.91E-09	3.26E-09	2.42E-10	5.41E-09	1.09E-09	1.80E-09	5.96E-11	2.94E-09
1779	742104.47	4108418.8	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.94E-09	1.91E-09	3.26E-09	2.41E-10	5.41E-09	1.09E-09	1.80E-09	5.95E-11	2.94E-09
1780	742128.26	4108414.42	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.93E-09	1.91E-09	3.25E-09	2.41E-10	5.40E-09	1.08E-09	1.79E-09	5.95E-11	2.94E-09
1781	742152.05	4108410.03	1.26E-08	2.30E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.93E-09	1.91E-09	3.25E-09	2.41E-10	5.40E-09	1.08E-09	1.79E-09	5.94E-11	2.94E-09
1782	742175.83	4108405.65	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.93E-09	1.91E-09	3.25E-09	2.41E-10	5.40E-09	1.08E-09	1.79E-09	5.95E-11	2.94E-09
1783	742199.62	4108401.26	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.97E-09	3.79E-09	1.90E-10	5.94E-09	1.91E-09	3.26E-09	2.42E-10	5.41E-09	1.09E-09	1.80E-09	5.96E-11	2.94E-09
1784	742223.41	4108396.88	1.27E-08	2.32E-08	1.27E-09	3.72E-08	1.97E-09	3.80E-09	1.91E-10	5.96E-09	1.92E-09	3.27E-09	2.42E-10	5.43E-09	1.09E-09	1.80E-09	5.98E-11	2.95E-09
1785	742247.19	4108392.49	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.98E-09	3.82E-09	1.92E-10	6.00E-09	1.93E-09	3.29E-09	2.44E-10	5.46E-09	1.10E-09	1.81E-09	6.01E-11	2.97E-09
1786	742270.98	4108388.11	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.85E-09	1.94E-10	6.04E-09	1.94E-09	3.31E-09	2.46E-10	5.50E-09	1.10E-09	1.83E-09	6.06E-11	2.99E-09
1787	742294.77	4108383.72	1.30E-08	2.37E-08	1.30E-09	3.80E-08	2.02E-09	3.89E-09	1.95E-10	6.10E-09	1.96E-09	3.35E-09	2.48E-10	5.56E-09	1.12E-09	1.85E-09	6.12E-11	3.02E-09
1788	742318.56	4108379.34	1.32E-08	2.40E-08	1.32E-09	3.84E-08	2.04E-09	3.93E-09	1.97E-10	6.17E-09	1.98E-09	3.38E-09	2.51E-10	5.62E-09	1.13E-09	1.87E-09	6.18E-11	3.05E-09
1789	742342.34	4108374.95	1.33E-08	2.43E-08	1.33E-09	3.89E-08	2.07E-09	3.98E-09	2.00E-10	6.24E-09	2.01E-09	3.42E-09	2.54E-10	5.69E-09	1.14E-09	1.89E-09	6.26E-11	3.09E-09
1790	742366.13	4108370.57	1.35E-08	2.46E-08	1.35E-09	3.94E-08	2.09E-09	4.03E-09	2.02E-10	6.32E-09	2.03E-09	3.47E-09	2.57E-10	5.76E-09	1.16E-09	1.91E-09	6.34E-11	3.13E-09
1791	742409.95	4108379.74	1.40E-08	2.56E-08	1.40E-09	4.10E-08	2.18E-09	4.19E-09	2.11E-10	6.58E-09	2.12E-09	3.61E-09	2.67E-10	5.99E-09	1.20E-09	1.99E-09	6.60E-11	3.26E-09
1792	742429.98	4108393.3	1.44E-08	2.63E-08	1.44E-09	4.21E-08	2.24E-09	4.31E-09	2.16E-10	6.76E-09	2.17E-09	3.71E-09	2.75E-10	6.16E-09	1.24E-09	2.04E-09	6.78E-11	3.35E-09
1793	742450.01	4108406.85	1.48E-08	2.69E-08	1.48E-09	4.32E-08	2.29E-09	4.41E-09	2.22E-10	6.93E-09	2.23E-09	3.80E-09	2.81E-10	6.31E-09	1.27E-09	2.09E-09	6.94E-11	3.43E-09
1794	742470.04	4108420.41	1.51E-08	2.75E-08	1.51E-09	4.41E-08	2.34E-09	4.51E-09	2.26E-10	7.08E-09	2.28E-09	3.88E-09	2.88E-10	6.44E-09	1.29E-09	2.14E-09	7.09E-11	3.50E-09
1795	742490.07	4108433.97	1.54E-08	2.80E-08	1.54E-09	4.49E-08	2.38E-09	4.59E-09	2.31E-10	7.20E-09	2.32E-09	3.95E-09	2.93E-10	6.56E-09	1.32E-09	2.18E-09	7.22E-11	3.57E-09
1796	742510.1	4108447.53	1.56E-08	2.84E-08	1.56E-09	4.56E-08	2.42E-09	4.66E-09	2.34E-10	7.31E-09	2.35E-09	4.01E-09	2.97E-10	6.66E-09	1.34E-09	2.21E-09	7.33E-11	3.62E-09
1797	742530.14	4108461.08	1.58E-08	2.88E-08	1.58E-09	4.61E-08	2.45E-09	4.72E-09	2.37E-10	7.40E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.67E-09
1798	742550.17	4108474.64	1.59E-08	2.90E-08	1.59E-09	4.66E-08	2.47E-09	4.76E-09	2.39E-10	7.47E-09	2.40E-09	4.10E-09	3.04E-10	6.80E-09	1.37E-09	2.26E-09	7.49E-11	3.70E-09
1799	742570.2	4108488.2	1.61E-08	2.93E-08	1.61E-09	4.69E-08	2.49E-09	4.80E-09	2.41E-10	7.53E-09	2.42E-09	4.13E-09	3.06E-10	6.86E-09	1.38E-09	2.28E-09	7.55E-11	3.73E-09
1800	742590.23	4108501.76	1.62E-08	2.95E-08	1.62E-09	4.73E-08	2.51E-09	4.83E-09	2.43E-10	7.58E-09	2.44E-09	4.16E-09	3.08E-10	6.90E-09	1.39E-09	2.29E-09	7.60E-11	3.76E-09
1801	742610.26	4108515.31	1.63E-08	2.97E-08	1.63E-09	4.76E-08	2.52E-09	4.86E-09	2.44E-10	7.63E-09	2.45E-09	4.19E-09	3.10E-10	6.95E-09	1.39E-09	2.31E-09	7.65E-11	3.78E-09
1802	742630.29	4108528.87	1.64E-08	2.99E-08	1.64E-09	4.79E-08	2.54E-09	4.90E-09	2.46E-10	7.69E-09	2.47E-09	4.21E-09	3.12E-10	7.00E-09	1.40E-09	2.32E-09	7.70E-11	3.81E-09
1803	742650.32	4108542.43	1.65E-08	3.01E-08	1.65E-09	4.83E-08	2.56E-09	4.94E-09	2.48E-10	7.75E-09	2.49E-09	4.25E-09	3.15E-10	7.05E-09	1.42E-09	2.34E-09	7.77E-11	3.84E-09
1804	742670.35	4108555.99	1.67E-08	3.04E-08	1.67E-09	4.88E-08	2.59E-09	4.98E-09	2.50E-10	7.82E-09	2.52E-09	4.29E-09	3.18E-10	7.12E-09	1.43E-09	2.37E-09	7.84E-11	3.87E-09
1805	742690.39	4108569.55	1.69E-08	3.07E-08	1.69E-09	4.93E-08	2.62E-09	5.04E-09	2.53E-10	7.91E-09	2.54E-09	4.34E-09	3.22E-10	7.20E-09	1.45E-09	2.39E-09	7.93E-11	3.92E-09
1806	742710.42	4108583.1	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.65E-09	5.11E-09	2.57E-10	8.02E-09	2.58E-09	4.40E-09	3.26E-10	7.30E-09	1.47E-09	2.42E-09	8.04E-11	3.97E-09
1807	742730.45	4108596.66	1.74E-08	3.17E-08	1.74E-09	5.08E-08	2.69E-09	5.19E-09	2.61E-10	8.15E-09	2.62E-09	4.47E-09	3.31E-10	7.42E-09	1.49E-09	2.46E-09	8.17E-11	4.03E-09
1808	742750.48	4108610.22	1.77E-08	3.23E-08	1.77E-09	5.17E-08	2.75E-09	5.29E-09	2.66E-10	8.30E-09	2.67E-09	4.55E-09	3.37E-10	7.56E-09	1.52E-09	2.51E-09	8.32E-11	4.11E-09
1809	742770.51	4108623.78	1.81E-08	3.30E-08	1.81E-09	5.29E-08	2.81E-09	5.40E-09	2.72E-10	8.48E-09	2.73E-09	4.65E-09	3.45E-10	7.72E-09	1.55E-09	2.57E-09	8.50E-11	4.20E-09
1810	742790.54	4108637.33	1.85E-08	3.38E-08	1.86E-09	5.42E-08	2.88E-09	5.54E-09	2.78E-10	8.70E-09	2.80E-09	4.77E-09	3.53E-10	7.92E-09	1.59E-09	2.63E-09	8.72E-11	4.31E-09
1811	742810.57	4108650.89	1.91E-08	3.48E-08	1.91E-09	5.57E-08	2.96E-09	5.70E-09	2.86E-10	8.94E-09	2.88E-09	4.90E-09	3.64E-10	8.14E-09	1.63E-09	2.70E-09	8.96E-11	4.43E-09
1812	742830.6	4108664.45	1.97E-08	3.59E-08	1.97E-09	5.75E-08	3.05E-09	5.88E-09	2.95E-10	9.22E-09	2.97E-09	5.06E-09	3.75E-10	8.40E-09	1.69E-09	2.79E-09	9.25E-11	4.57E-09
1813	742850.64	4108678.01	2.03E-08	3.71E-08	2.04E-09	5.95E-08	3.16E-09	6.08E-09	3.05E-10	9.54E-09	3.07E-09	5.23E-09	3.88E-10	8.69E-09	1.74E-09	2.88E-09	9.56E-11	4.72E-09
1814	742870.67	4108691.56	2.11E-08	3.84E-08	2.11E-09	6.16E-08	3.27E-09	6.30E-09	3.16E-10	9.88E-09	3.18E-09	5.42E-09	4.02E-10	9.00E-09	1.81E-09	2.99E-09	9.91E-11	4.89E-09
1815	742890.7	4108705.12	2.19E-08	3.99E-08	2.19E-09	6.39E-08	3.39E-09	6.53E-09	3.28E-10	1.03E-08	3.30E-09	5.62E-09	4.17E-10	9.34E-09	1.87E-09	3.10E-09	1.03E-10	5.08E-09
1816	742910.73	4108718.68	2.27E-08	4.14E-08	2.27E-09	6.64E-08	3.52E-09	6.79E-09	3.41E-10	1.07E-08	3.43E-09	5.84E-09	4.33E-10	9.70E-09	1.95E-09	3.22E-09	1.07E-10	5.28E-09
1817	742930.76	4108732.24	2.36E-08	4.30E-08	2.36E-09	6.90E-08	3.66E-09	7.06E-09	3.54E-10	1.11E-08	3.56E-09	6.07E-09	4.50E-10	1.01E-08	2.02E-09	3.35E-09	1.11E-10	5.48E-09
1818	742950.79	4108745.79	2.46E-08	4.47E-08	2.46E-09	7.17E-08	3.81E-09	7.34E-09	3.69E-10	1.15E-08	3.70E-09	6.31E-09	4.68E-10	1.05E-08	2.10E-09	3.48E-09	1.15E-10	5.70E-09
1819	742970.82	4108759.35	2.55E-08	4.65E-08	2.55E-09	7.46E-08	3.96E-09	7.62E-09	3.83E-10	1.20E-08	3.85E-09	6.56E-09	4.86E-10	1.09E-08	2.19E-09	3.62E-09	1.20E-10	5.92E-09
1820	742990.85	4108772.91	2.65E-08	4.83E-08	2.65E-09	7.74E-08	4.11E-09	7.92E-09	3.98E-10	1.24E-08	4.00E-09	6.81E-09	5.05E-10	1.13E-08	2.27E-09	3.76E-09	1.25E-10	6.15E-09
1821	743010.89	4108786.47	2.75E-08	5.01E-08	2.75E-09	8.03E-08	4.26E-09	8.21E-09	4.12E-10	1.29E-08	4.14E-09	7.06E-09	5.24E-10	1.17E-08	2.35E-09	3.90E-09	1.29E-10	6.38E-09
1822	743030.92	4108800.02	2.84E-08	5.18E-08	2.85E-09	8.31E-08	4.41E-09	8.50E-09	4.27E-10	1.33E-08	4.29E-09	7.31E-09	5.42E-10	1.21E-08	2.44E-09	4.03E-09	1.34E-10	6.60E-09
1823	743050.95	4108813.58	2.94E-08	5.35E-08	2.94E-09	8.58E-08	4.55E-09	8.77E-09	4.41E-10	1.38E-08	4.43E-09	7.55E-09	5.60E-10	1.25E-08	2.52E-09	4.16E-09	1.38E-10	6.82E-09
1824	743070.98	4108827.14	3.02E-08	5.51E-08	3.02E-09	8.83E-08	4.69E-09	9.03E-09	4.54E-10	1.42E-08	4.56E-09	7.77E-09	5.76E-10	1.29E-08	2.59E-09	4.29E-09	1.42E-10	7.02E-09
1825	743091.01	4108840.7	3.10E-08	5.65E-08	3.10E-09	9.06E-08	4.81E-09	9.26E-09	4.65E-10	1.45E-08	4.67E-09	7.97E-09	5.91E-10	1.32E-08	2.66E-09	4.39E-09	1.46E-10	7.19E-09
1826	743111.04	4108854.26	3.17E-08	5.77E-08	3.17E-09	9.26E-08	4.91E-09	9.46E-09	4.75E-10	1.48E-08	4.78E-09	8.14E-09	6.04E-10	1.35E-08	2.71E-09	4.49E-09	1.49E-10	7.35E-09
1827	743131.07	4108867.81	3.23E-08	5.88E-08	3.23E-09	9.43E-08	5.01E-09	9.64E-09	4.84E-10	1.51E-08	4.87E-09	8.30E-09	6.15E-10	1.38E-08	2.77E-09	4.58E-09	1.52E-10	7.49E-09
1828	743151.1	4108881.37	3.28E-08	5.98E-08	3.28E-09	9.59E-08	5.09E-09	9.80E-09	4.92E-10	1.54E-08	4.95E-09	8.44E-09	6.25E-10	1.40E-08	2.81E-09	4.65E-09	1.54E-10	7.62E-09
1829	743171.13	4108894.93	3.33E-08	6.07E-08	3.33E-09	9.73E-08	5.16E-09	9.95E-09	5.00E-10	1.56E-08	5.02E-09	8.56E-09	6.34E-10	1.42E-08	2.85E-09	4.72E-09	1.56E-10	7.73E-09
1830	743191.17	4108908.49	3.37E-08	6.14E-08	3.37E-09	9.85E-08	5.23E-09	1.01E-08	5.06E-10	1.58E-08	5.08E-09	8.66E-09	6.42E-10	1.44E-08	2.89E-09	4.78E-09	1.58E-10	7.82E-09
1831	743211.2	4108922.04	3.41E-08	6.21E-08	3.41E-09	9.95E-08	5.28E-09	1.02E-08	5.11E-10	1.60E-08	5.14E-09	8.76E-09	6.49E-10	1.45E-08	2.92E-09	4.83E-09	1.60E-10	7.91E-09
1832	743231.23	4108935.6	3.44E-08	6.27E-08	3.44E-09	1.01E-07	5.33E-09	1.03E-08	5.16E-10	1.61E-08	5.19E-09	8.84E-09	6.56E-10	1.47E-08	2.95E-09	4.88E-09	1.62E-10	7.99E-09
1833	743251.26	4108949.16	3.47E-08	6.33E-08	3.48E-09	1.02E-07	5.39E-09	1.04E-08	5.21E-10	1.63E-08	5.24E-09	8.93E-09	6.62E-10	1.48E-08	2.98E-09	4.93E-09	1.63E-10	8.07E-09
1834	743271.29	4108962.72	3.51E-08	6.39E-08	3.51E-09	1.02E-07	5.44E-09	1.05E-08	5.26E-10	1.64E-08	5.29E-09	9.02E-09	6.68E-10	1.50E-08	3.01E-09	4.97E-09	1.65E-10	8.14E-09
1835	743291.32	4108976.27	3.54E-08	6.45E-08	3.54E-09	1.03E-07	5.49E-09	1.06E-08	5.31E-10	1.66E-08	5.34E-09	9.10E-09	6.75E-10	1.51E-08	3.03E-09	5.02E-09	1.66E-10	8.22E-09
1836	743311.35	4108989.83	3.57E-08	6.51E-08	3.57E-09	1.04E-07	5.54E-09	1.07E-08	5.36E-10	1.67E-08	5.38E-09	9.18E-09	6.80E-10	1.52E-08	3.06E-09	5.06E-09	1.68E-10	8.29E-09
1837	741271.92	4108572.29	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.10E-09	1.56E-10	4.87E-09	1.57E-09	2.67E-09	1.98E-10	4.43E-09	8.89E-10	1.47E-09	4.88E-11	2.41E-09
1838	741251.28	4108585.55	1.05E-08	1.91E-08	1.05E-09	3.07E-08	1.63E-09	3.14E-09	1.58E-10	4.92E-09	1.58E-09	2.70E-09	2.00E-10	4.48E-09	9.00E-10	1.49E-09	4.93E-11	2.44E-09
1839	741230.65	4108598.8	1.06E-08	1.94E-08	1.06E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	4.99E-09	1.60E-09	2.73E-09	2.03E-10	4.54E-09	9.11E-10	1.51E-09	5.00E-11	2.47E-09
1840	741210.01	4108612.06	1.08E-08	1.97E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.06E-09	1.63E-09	2.77E-09	2.06E-10	4.60E-09	9.24E-10	1.53E-09	5.07E-11	2.50E-09
1841	741189.37	4108625.32	1.10E-08	2.00E-08	1.10E-09	3.20E-08	1.70E-09	3.27E-09	1.64E-10	5.14E-09	1.65E-09	2.82E-09	2.09E-10	4.68E-09	9.39E-10	1.55E-09	5.15E-11	2.54E-09
1842	741168.73	4108638.57	1.11E-08	2.03E-08	1.11E-09	3.26E-08	1.73E-09	3.33E-09	1.67E-10	5.22E-09	1.68E-09	2.86E-09	2.12E-10	4.76E-09	9.55E-10	1.58E-09	5.24E-11	2.59E-09
1843	741148.09	4108651.83	1.13E-08	2.07E-08	1.13E-09	3.31E-08	1.76E-09	3.39E-09	1.70E-10	5.32E-09	1.71E-09	2.91E-09	2.16E-10	4.84E-09	9.72E-10	1.61E-09	5.33E-11	2.63E-09
1844	741079.75	4108231.31	7.28E-09	1.33E-08	7.29E-10	2.13E-08	1.13E-09	2.18E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.24E-10	1.03E-09	3.42E-11	1.69E-09
1845	741103.75	4108226.89	7.29E-09	1.33E-08	7.30E-10	2.13E-08	1.13E-09	2.18E-09	1.09E-10	3.42E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.25E-10	1.03E-09	3.43E-11	1.69E-09
1846	741127.75	4108222.46	7.31E-09	1.33E-08	7.31E-10	2.14E-08	1.13E-09	2.18E-09	1.10E-10	3.43E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.26E-10	1.04E-09	3.44E-11	1.70E-09
1847	741151.75	4108218.04	7.33E-09	1.34E-08	7.34E-10	2.14E-08	1.14E-09	2.19E-09	1.10E-10	3.44E-09	1.11E-09	1.88E-09	1.40E-10	3.13E-09	6.28E-10	1.04E-09	3.45E-11	1.70E-09
1848	741175.76	4108213.61	7.36E-09	1.34E-08	7.36E-10	2.15E-08	1.14E-09	2.20E-09	1.10E-10	3.45E-09	1.11E-09	1.89E-09	1.40E-10	3.14E-09	6.30E-10	1.04E-09	3.46E-11	1.71E-09
1849	741199.76	4108209.19	7.38E-09	1.34E-08	7.38E-10	2.16E-08	1.14E-09	2.20E-09	1.11E-10	3.46E-09	1.11E-09	1.90E-09	1.41E-10	3.15E-09	6.32E-10	1.05E-09	3.47E-11	1.71E-09
1850	741223.76	4108204.76	7.41E-09	1.35E-08	7.41E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.47E-09	1.12E-09	1.90E-09	1.41E-10	3.16E-09	6.35E-10	1.05E-09	3.48E-11	1.72E-09
1851	741247.76	4108200.34	7.43E-09	1.35E-08	7.43E-10	2.17E-08	1.15E-09	2.22E-09	1.12E-10	3.48E-09	1.12E-09	1.91E-09	1.42E-10	3.17E-09	6.37E-10	1.05E-09	3.49E-11	1.72E-09
1852	741271.76	4108195.91	7.45E-09	1.36E-08	7.46E-10	2.18E-08	1.16E-09	2.23E-09	1.12E-10	3.49E-09	1.12E-09	1.92E-09	1.42E-10	3.18E-09	6.39E-10	1.06E-09	3.50E-11	1.73E-09
1853	741295.77	4108191.49	7.48E-09	1.36E-08	7.48E-10	2.19E-08	1.16E-09	2.23E-09	1.12E-10	3.51E-09	1.13E-09	1.92E-09	1.43E-10	3.19E-09	6.41E-10	1.06E-09	3.51E-11	1.74E-09
1854	741319.77	4108187.06	7.51E-09	1.37E-08	7.51E-10	2.19E-08	1.16E-09	2.24E-09	1.13E-10	3.52E-09	1.13E-09	1.93E-09	1.43E-10	3.20E-09	6.43E-10	1.06E-09	3.53E-11	1.74E-09
1855	741343.77	4108182.64	7.54E-09	1.37E-08	7.54E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.14E-09	1.94E-09	1.44E-10	3.22E-09	6.46E-10	1.07E-09	3.54E-11	1.75E-09
1856	741367.77	4108178.21	7.57E-09	1.38E-08	7.57E-10	2.21E-08	1.17E-09	2.26E-09	1.14E-10	3.55E-09	1.14E-09	1.95E-09	1.44E-10	3.23E-09	6.48E-10	1.07E-09	3.56E-11	1.76E-09
1857	741391.77	4108173.79	7.61E-09	1.39E-08	7.61E-10	2.22E-08	1.18E-09	2.27E-09	1.14E-10	3.57E-09	1.15E-09	1.96E-09	1.45E-10	3.25E-09	6.52E-10	1.08E-09	3.57E-11	1.77E-09
1858	741415.78	4108169.36	7.65E-09	1.39E-08	7.66E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.59E-09	1.15E-09	1.97E-09	1.46E-10	3.27E-09	6.56E-10	1.09E-09	3.60E-11	1.78E-09
1859	741439.78	4108164.94	7.70E-09	1.40E-08	7.71E-10	2.25E-08	1.19E-09	2.30E-09	1.16E-10	3.61E-09	1.16E-09	1.98E-09	1.47E-10	3.29E-09	6.60E-10	1.09E-09	3.62E-11	1.79E-09
1860	741463.78	4108160.51	7.76E-09	1.41E-08	7.77E-10	2.27E-08	1.20E-09	2.32E-09	1.16E-10	3.64E-09	1.17E-09	2.00E-09	1.48E-10	3.31E-09	6.65E-10	1.10E-09	3.65E-11	1.80E-09
1861	741487.78	4108156.09	7.82E-09	1.43E-08	7.83E-10	2.29E-08	1.21E-09	2.34E-09	1.17E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.70E-10	1.11E-09	3.68E-11	1.82E-09
1862	741511.79	4108151.67	7.89E-09	1.44E-08	7.89E-10	2.31E-08	1.22E-09	2.36E-09	1.18E-10	3.70E-09	1.19E-09	2.03E-09	1.50E-10	3.37E-09	6.76E-10	1.12E-09	3.71E-11	1.83E-09
1863	741535.79	4108147.24	7.96E-09	1.45E-08	7.96E-10	2.32E-08	1.23E-09	2.38E-09	1.19E-10	3.73E-09	1.20E-09	2.05E-09	1.52E-10	3.40E-09	6.82E-10	1.13E-09	3.74E-11	1.85E-09
1864	741559.79	4108142.82	8.02E-09	1.46E-08	8.03E-10	2.34E-08	1.24E-09	2.40E-09	1.20E-10	3.76E-09	1.21E-09	2.06E-09	1.53E-10	3.43E-09	6.87E-10	1.14E-09	3.77E-11	1.86E-09
1865	741583.79	4108138.39	8.09E-09	1.47E-08	8.10E-10	2.36E-08	1.25E-09	2.42E-09	1.21E-10	3.79E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.93E-10	1.15E-09	3.80E-11	1.88E-09

1866	741607.79	4108133.97	8.15E-09	1.49E-08	8.16E-10	2.38E-08	1.26E-09	2.44E-09	1.22E-10	3.82E-09	1.23E-09	2.10E-09	1.55E-10	3.48E-09	6.99E-10	1.16E-09	3.83E-11	1.89E-09
1867	741631.8	4108129.54	8.21E-09	1.50E-08	8.22E-10	2.40E-08	1.27E-09	2.45E-09	1.23E-10	3.85E-09	1.24E-09	2.11E-09	1.56E-10	3.51E-09	7.04E-10	1.16E-09	3.86E-11	1.91E-09
1868	741655.8	4108125.12	8.27E-09	1.51E-08	8.27E-10	2.42E-08	1.28E-09	2.47E-09	1.24E-10	3.88E-09	1.25E-09	2.12E-09	1.58E-10	3.53E-09	7.08E-10	1.17E-09	3.88E-11	1.92E-09
1869	741679.8	4108120.69	8.32E-09	1.52E-08	8.32E-10	2.43E-08	1.29E-09	2.48E-09	1.25E-10	3.90E-09	1.25E-09	2.14E-09	1.58E-10	3.55E-09	7.13E-10	1.18E-09	3.91E-11	1.93E-09
1870	741703.8	4108116.27	8.36E-09	1.52E-08	8.37E-10	2.44E-08	1.30E-09	2.50E-09	1.25E-10	3.92E-09	1.26E-09	2.15E-09	1.59E-10	3.57E-09	7.16E-10	1.19E-09	3.93E-11	1.94E-09
1871	741727.8	4108111.84	8.40E-09	1.53E-08	8.41E-10	2.46E-08	1.30E-09	2.51E-09	1.26E-10	3.94E-09	1.27E-09	2.16E-09	1.60E-10	3.59E-09	7.20E-10	1.19E-09	3.95E-11	1.95E-09
1872	741751.81	4108107.42	8.45E-09	1.54E-08	8.45E-10	2.47E-08	1.31E-09	2.52E-09	1.27E-10	3.96E-09	1.27E-09	2.17E-09	1.61E-10	3.61E-09	7.24E-10	1.20E-09	3.97E-11	1.96E-09
1873	741775.81	4108102.99	8.49E-09	1.55E-08	8.50E-10	2.48E-08	1.32E-09	2.54E-09	1.27E-10	3.98E-09	1.28E-09	2.18E-09	1.62E-10	3.63E-09	7.28E-10	1.20E-09	3.99E-11	1.97E-09
1874	741799.81	4108098.57	8.54E-09	1.56E-08	8.55E-10	2.50E-08	1.32E-09	2.55E-09	1.28E-10	4.01E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.32E-10	1.21E-09	4.01E-11	1.98E-09
1875	741823.81	4108094.14	8.60E-09	1.57E-08	8.60E-10	2.51E-08	1.33E-09	2.57E-09	1.29E-10	4.03E-09	1.30E-09	2.21E-09	1.64E-10	3.67E-09	7.37E-10	1.22E-09	4.04E-11	2.00E-09
1876	741847.82	4108089.72	8.65E-09	1.58E-08	8.66E-10	2.53E-08	1.34E-09	2.59E-09	1.30E-10	4.06E-09	1.30E-09	2.22E-09	1.65E-10	3.69E-09	7.42E-10	1.23E-09	4.07E-11	2.01E-09
1877	741871.82	4108085.29	8.71E-09	1.59E-08	8.72E-10	2.55E-08	1.35E-09	2.60E-09	1.31E-10	4.09E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.47E-10	1.24E-09	4.10E-11	2.02E-09
1878	741895.82	4108080.87	8.78E-09	1.60E-08	8.78E-10	2.56E-08	1.36E-09	2.62E-09	1.32E-10	4.12E-09	1.32E-09	2.26E-09	1.67E-10	3.75E-09	7.52E-10	1.24E-09	4.12E-11	2.04E-09
1879	741919.82	4108076.44	8.84E-09	1.61E-08	8.84E-10	2.58E-08	1.37E-09	2.64E-09	1.33E-10	4.14E-09	1.33E-09	2.27E-09	1.68E-10	3.77E-09	7.57E-10	1.25E-09	4.15E-11	2.05E-09
1880	741943.82	4108072.02	8.90E-09	1.62E-08	8.90E-10	2.60E-08	1.38E-09	2.66E-09	1.34E-10	4.17E-09	1.34E-09	2.29E-09	1.70E-10	3.80E-09	7.63E-10	1.26E-09	4.18E-11	2.07E-09
1881	741967.83	4108067.59	8.95E-09	1.63E-08	8.96E-10	2.62E-08	1.39E-09	2.67E-09	1.34E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.82E-09	7.67E-10	1.27E-09	4.21E-11	2.08E-09
1882	741991.83	4108063.17	9.00E-09	1.64E-08	9.00E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.22E-09	1.36E-09	2.31E-09	1.71E-10	3.84E-09	7.71E-10	1.28E-09	4.23E-11	2.09E-09
1883	742015.83	4108058.74	9.04E-09	1.65E-08	9.04E-10	2.64E-08	1.40E-09	2.70E-09	1.36E-10	4.24E-09	1.36E-09	2.32E-09	1.72E-10	3.86E-09	7.74E-10	1.28E-09	4.25E-11	2.10E-09
1884	742039.83	4108054.32	9.06E-09	1.65E-08	9.06E-10	2.65E-08	1.40E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.76E-10	1.28E-09	4.26E-11	2.10E-09
1885	742063.83	4108049.89	9.07E-09	1.65E-08	9.08E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.77E-10	1.29E-09	4.26E-11	2.11E-09
1886	742087.84	4108045.47	9.07E-09	1.65E-08	9.08E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.77E-10	1.29E-09	4.26E-11	2.11E-09
1887	742111.84	4108041.04	9.06E-09	1.65E-08	9.06E-10	2.65E-08	1.40E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.76E-10	1.28E-09	4.26E-11	2.10E-09
1888	742135.84	4108036.62	9.04E-09	1.65E-08	9.04E-10	2.64E-08	1.40E-09	2.70E-09	1.36E-10	4.24E-09	1.36E-09	2.32E-09	1.72E-10	3.86E-09	7.74E-10	1.28E-09	4.25E-11	2.10E-09
1889	742159.84	4108032.19	9.01E-09	1.64E-08	9.01E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.22E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.72E-10	1.28E-09	4.23E-11	2.09E-09
1890	742183.85	4108027.77	8.98E-09	1.64E-08	8.98E-10	2.62E-08	1.39E-09	2.68E-09	1.35E-10	4.21E-09	1.35E-09	2.31E-09	1.71E-10	3.83E-09	7.69E-10	1.27E-09	4.22E-11	2.08E-09
1891	742207.85	4108023.34	8.95E-09	1.63E-08	8.96E-10	2.62E-08	1.39E-09	2.67E-09	1.34E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.82E-09	7.67E-10	1.27E-09	4.21E-11	2.08E-09
1892	742231.85	4108018.92	8.93E-09	1.63E-08	8.94E-10	2.61E-08	1.39E-09	2.67E-09	1.34E-10	4.19E-09	1.35E-09	2.30E-09	1.70E-10	3.81E-09	7.65E-10	1.27E-09	4.20E-11	2.07E-09
1893	742255.85	4108014.49	8.92E-09	1.63E-08	8.93E-10	2.61E-08	1.38E-09	2.67E-09	1.34E-10	4.18E-09	1.35E-09	2.29E-09	1.70E-10	3.81E-09	7.65E-10	1.27E-09	4.19E-11	2.07E-09
1894	742279.85	4108010.07	8.93E-09	1.63E-08	8.93E-10	2.61E-08	1.38E-09	2.67E-09	1.34E-10	4.19E-09	1.35E-09	2.30E-09	1.70E-10	3.81E-09	7.65E-10	1.27E-09	4.20E-11	2.07E-09
1895	742303.86	4108005.64	8.96E-09	1.63E-08	8.96E-10	2.62E-08	1.39E-09	2.68E-09	1.34E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.82E-09	7.67E-10	1.27E-09	4.21E-11	2.08E-09
1896	742327.86	4108001.22	9.00E-09	1.64E-08	9.01E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.22E-09	1.36E-09	2.31E-09	1.72E-10	3.84E-09	7.71E-10	1.28E-09	4.23E-11	2.09E-09
1897	742351.86	4107996.79	9.07E-09	1.65E-08	9.07E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.77E-10	1.29E-09	4.26E-11	2.11E-09
1898	742375.86	4107992.37	9.15E-09	1.67E-08	9.16E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.29E-09	1.38E-09	2.35E-09	1.74E-10	3.91E-09	7.84E-10	1.30E-09	4.30E-11	2.12E-09
1899	742399.87	4107987.94	9.26E-09	1.69E-08	9.26E-10	2.71E-08	1.44E-09	2.77E-09	1.39E-10	4.34E-09	1.40E-09	2.38E-09	1.76E-10	3.95E-09	7.93E-10	1.31E-09	4.35E-11	2.15E-09
1900	742423.87	4107983.52	9.38E-09	1.71E-08	9.38E-10	2.74E-08	1.45E-09	2.80E-09	1.41E-10	4.40E-09	1.41E-09	2.41E-09	1.79E-10	4.00E-09	8.04E-10	1.33E-09	4.41E-11	2.18E-09
1901	742447.87	4107979.09	9.51E-09	1.73E-08	9.51E-10	2.78E-08	1.47E-09	2.84E-09	1.43E-10	4.46E-09	1.43E-09	2.44E-09	1.81E-10	4.06E-09	8.15E-10	1.35E-09	4.47E-11	2.21E-09
1902	742492.08	4107988.35	9.91E-09	1.81E-08	9.92E-10	2.90E-08	1.54E-09	2.96E-09	1.49E-10	4.65E-09	1.49E-09	2.55E-09	1.89E-10	4.23E-09	8.49E-10	1.41E-09	4.66E-11	2.30E-09
1903	742512.3	4108002.03	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.04E-09	1.53E-10	4.77E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.72E-10	1.44E-09	4.79E-11	2.36E-09
1904	742532.51	4108015.71	1.04E-08	1.90E-08	1.04E-09	3.05E-08	1.62E-09	3.12E-09	1.57E-10	4.89E-09	1.57E-09	2.68E-09	1.99E-10	4.46E-09	8.95E-10	1.48E-09	4.91E-11	2.42E-09
1905	742552.72	4108029.39	1.07E-08	1.95E-08	1.07E-09	3.12E-08	1.66E-09	3.19E-09	1.60E-10	5.01E-09	1.61E-09	2.75E-09	2.04E-10	4.56E-09	9.15E-10	1.51E-09	5.02E-11	2.48E-09
1906	742572.93	4108043.07	1.09E-08	1.99E-08	1.09E-09	3.18E-08	1.69E-09	3.26E-09	1.64E-10	5.11E-09	1.64E-09	2.80E-09	2.08E-10	4.65E-09	9.34E-10	1.55E-09	5.12E-11	2.53E-09
1907	742593.15	4108056.75	1.11E-08	2.02E-08	1.11E-09	3.24E-08	1.72E-09	3.31E-09	1.66E-10	5.19E-09	1.67E-09	2.85E-09	2.11E-10	4.73E-09	9.49E-10	1.57E-09	5.21E-11	2.57E-09
1908	742613.36	4108070.43	1.12E-08	2.05E-08	1.12E-09	3.28E-08	1.74E-09	3.36E-09	1.69E-10	5.27E-09	1.69E-09	2.89E-09	2.14E-10	4.79E-09	9.62E-10	1.59E-09	5.28E-11	2.61E-09
1909	742633.57	4108084.11	1.13E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.39E-09	1.70E-10	5.32E-09	1.71E-09	2.92E-09	2.16E-10	4.84E-09	9.72E-10	1.61E-09	5.33E-11	2.63E-09
1910	742653.78	4108097.79	1.14E-08	2.08E-08	1.14E-09	3.34E-08	1.77E-09	3.41E-09	1.72E-10	5.36E-09	1.72E-09	2.94E-09	2.18E-10	4.88E-09	9.79E-10	1.62E-09	5.37E-11	2.65E-09
1911	742673.99	4108111.47	1.15E-08	2.09E-08	1.15E-09	3.36E-08	1.78E-09	3.43E-09	1.72E-10	5.38E-09	1.73E-09	2.95E-09	2.19E-10	4.90E-09	9.84E-10	1.63E-09	5.40E-11	2.67E-09
1912	742694.21	4108125.15	1.15E-08	2.10E-08	1.15E-09	3.36E-08	1.79E-09	3.44E-09	1.73E-10	5.40E-09	1.74E-09	2.96E-09	2.19E-10	4.91E-09	9.86E-10	1.63E-09	5.41E-11	2.67E-09
1913	742714.42	4108138.83	1.15E-08	2.10E-08	1.15E-09	3.37E-08	1.79E-09	3.44E-09	1.73E-10	5.41E-09	1.74E-09	2.96E-09	2.20E-10	4.92E-09	9.88E-10	1.63E-09	5.42E-11	2.68E-09
1914	742734.63	4108152.51	1.15E-08	2.10E-08	1.15E-09	3.37E-08	1.79E-09	3.45E-09	1.73E-10	5.41E-09	1.74E-09	2.97E-09	2.20E-10	4.93E-09	9.89E-10	1.64E-09	5.42E-11	2.68E-09
1915	742754.84	4108166.19	1.16E-08	2.11E-08	1.16E-09	3.38E-08	1.79E-09	3.45E-09	1.73E-10	5.42E-09	1.74E-09	2.97E-09	2.20E-10	4.93E-09	9.90E-10	1.64E-09	5.43E-11	2.68E-09
1916	742775.06	4108179.87	1.16E-08	2.11E-08	1.16E-09	3.38E-08	1.80E-09	3.46E-09	1.74E-10	5.43E-09	1.75E-09	2.98E-09	2.21E-10	4.94E-09	9.92E-10	1.64E-09	5.44E-11	2.69E-09
1917	742795.27	4108193.55	1.16E-08	2.12E-08	1.16E-09	3.39E-08	1.80E-09	3.47E-09	1.74E-10	5.44E-09	1.75E-09	2.99E-09	2.21E-10	4.96E-09	9.95E-10	1.65E-09	5.46E-11	2.70E-09
1918	742815.48	4108207.23	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.81E-09	3.49E-09	1.75E-10	5.48E-09	1.76E-09	3.00E-09	2.23E-10	4.99E-09	1.00E-09	1.66E-09	5.49E-11	2.71E-09
1919	742835.69	4108220.91	1.18E-08	2.15E-08	1.18E-09	3.44E-08	1.83E-09	3.52E-09	1.77E-10	5.52E-09	1.78E-09	3.03E-09	2.25E-10	5.03E-09	1.01E-09	1.67E-09	5.54E-11	2.74E-09
1920	742855.9	4108234.59	1.19E-08	2.17E-08	1.19E-09	3.48E-08	1.85E-09	3.56E-09	1.79E-10	5.58E-09	1.79E-09	3.06E-09	2.27E-10	5.08E-09	1.02E-09	1.69E-09	5.59E-11	2.76E-09
1921	742876.12	4108248.27	1.21E-08	2.20E-08	1.21E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.65E-09	1.82E-09	3.10E-09	2.30E-10	5.14E-09	1.03E-09	1.71E-09	5.66E-11	2.80E-09
1922	742896.33	4108261.95	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.90E-09	3.65E-09	1.83E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.74E-11	2.84E-09
1923	742916.54	4108275.63	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.86E-10	5.83E-09	1.87E-09	3.19E-09	2.37E-10	5.30E-09	1.06E-09	1.76E-09	5.84E-11	2.88E-09
1924	742936.75	4108289.31	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.93E-09	1.91E-09	3.25E-09	2.41E-10	5.40E-09	1.08E-09	1.79E-09	5.95E-11	2.94E-09
1925	742956.97	4108302.99	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.86E-09	1.94E-10	6.05E-09	1.95E-09	3.32E-09	2.46E-10	5.51E-09	1.11E-09	1.83E-09	6.07E-11	3.00E-09
1926	742977.18	4108316.67	1.32E-08	2.41E-08	1.32E-09	3.86E-08	2.05E-09	3.94E-09	1.98E-10	6.19E-09	1.99E-09	3.39E-09	2.52E-10	5.64E-09	1.13E-09	1.87E-09	6.20E-11	3.06E-09
1927	742997.39	4108330.35	1.35E-08	2.46E-08	1.35E-09	3.95E-08	2.10E-09	4.04E-09	2.03E-10	6.34E-09	2.04E-09	3.47E-09	2.58E-10	5.77E-09	1.16E-09	1.92E-09	6.35E-11	3.14E-09
1928	743017.6	4108344.03	1.39E-08	2.53E-08	1.39E-09	4.05E-08	2.15E-09	4.14E-09	2.08E-10	6.50E-09	2.09E-09	3.56E-09	2.64E-10	5.92E-09	1.19E-09	1.97E-09	6.52E-11	3.22E-09
1929	743037.82	4108357.71	1.42E-08	2.59E-08	1.42E-09	4.16E-08	2.21E-09	4.25E-09	2.14E-10	6.68E-09	2.15E-09	3.66E-09	2.71E-10	6.08E-09	1.22E-09	2.02E-09	6.69E-11	3.31E-09
1930	743058.03	4108371.39	1.46E-08	2.67E-08	1.47E-09	4.28E-08	2.27E-09	4.37E-09	2.20E-10	6.86E-09	2.21E-09	3.76E-09	2.79E-10	6.25E-09	1.25E-09	2.08E-09	6.88E-11	3.40E-09
1931	743078.24	4108385.07	1.51E-08	2.75E-08	1.51E-09	4.40E-08	2.34E-09	4.50E-09	2.26E-10	7.06E-09	2.27E-09	3.87E-09	2.87E-10	6.43E-09	1.29E-09	2.14E-09	7.08E-11	3.50E-09
1932	743098.45	4108398.75	1.55E-08	2.83E-08	1.55E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.63E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
1933	743118.66	4108412.43	1.60E-08	2.91E-08	1.60E-09	4.67E-08	2.48E-09	4.78E-09	2.40E-10	7.50E-09	2.41E-09	4.11E-09	3.05E-10	6.83E-09	1.37E-09	2.27E-09	7.52E-11	3.71E-09
1934	743138.88	4108426.11	1.65E-08	3.00E-08	1.65E-09	4.82E-08	2.56E-09	4.93E-09	2.47E-10	7.73E-09	2.49E-09	4.24E-09	3.14E-10	7.04E-09	1.41E-09	2.34E-09	7.75E-11	3.83E-09
1935	743159.09	4108439.79	1.70E-08	3.10E-08	1.70E-09	4.97E-08	2.64E-09	5.08E-09	2.55E-10	7.97E-09	2.56E-09	4.37E-09	3.24E-10	7.26E-09	1.46E-09	2.41E-09	7.99E-11	3.95E-09
1936	743179.3	4108453.47	1.75E-08	3.20E-08	1.75E-09	5.12E-08	2.72E-09	5.24E-09	2.63E-10	8.22E-09	2.64E-09	4.51E-09	3.34E-10	7.49E-09	1.50E-09	2.49E-09	8.24E-11	4.07E-09
1937	743199.51	4108467.15	1.81E-08	3.29E-08	1.81E-09	5.28E-08	2.80E-09	5.40E-09	2.71E-10	8.48E-09	2.73E-09	4.65E-09	3.45E-10	7.72E-09	1.55E-09	2.56E-09	8.50E-11	4.20E-09
1938	743219.73	4108480.83	1.86E-08	3.39E-08	1.86E-09	5.44E-08	2.89E-09	5.57E-09	2.80E-10	8.73E-09	2.81E-09	4.79E-09	3.55E-10	7.95E-09	1.60E-09	2.64E-09	8.75E-11	4.32E-09
1939	743239.94	4108494.51	1.92E-08	3.49E-08	1.92E-09	5.60E-08	2.97E-09	5.73E-09	2.88E-10	8.99E-09	2.89E-09	4.93E-09	3.65E-10	8.19E-09	1.64E-09	2.72E-09	9.01E-11	4.45E-09
1940	743260.15	4108508.19	1.97E-08	3.59E-08	1.97E-09	5.76E-08	3.06E-09	5.89E-09	2.96E-10	9.24E-09	2.97E-09	5.07E-09	3.76E-10	8.42E-09	1.69E-09	2.80E-09	9.27E-11	4.58E-09
1941	743280.36	4108521.87	2.02E-08	3.69E-08	2.03E-09	5.92E-08	3.14E-09	6.05E-09	3.04E-10	9.49E-09	3.05E-09	5.20E-09	3.86E-10	8.64E-09	1.73E-09	2.87E-09	9.51E-11	4.70E-09
1942	743300.58	4108535.55	2.07E-08	3.78E-08	2.08E-09	6.06E-08	3.22E-09	6.20E-09	3.11E-10	9.73E-09	3.13E-09	5.33E-09	3.95E-10	8.86E-09	1.78E-09	2.94E-09	9.75E-11	4.82E-09
1943	743320.79	4108549.23	2.12E-08	3.87E-08	2.12E-09	6.20E-08	3.29E-09	6.34E-09	3.18E-10	9.95E-09	3.20E-09	5.45E-09	4.04E-10	9.06E-09	1.82E-09	3.01E-09	9.97E-11	4.93E-09
1944	743341	4108562.91	2.17E-08	3.95E-08	2.17E-09	6.33E-08	3.36E-09	6.47E-09	3.25E-10	1.02E-08	3.26E-09	5.57E-09	4.13E-10	9.24E-09	1.86E-09	3.07E-09	1.02E-10	5.03E-09
1945	743361.21	4108576.59	2.20E-08	4.02E-08	2.20E-09	6.44E-08	3.42E-09	6.58E-09	3.31E-10	1.03E-08	3.32E-09	5.66E-09	4.20E-10	9.41E-09	1.89E-09	3.12E-09	1.04E-10	5.12E-09
1946	743381.42	4108590.27	2.24E-08	4.08E-08	2.24E-09	6.54E-08	3.47E-09	6.68E-09	3.36E-10	1.05E-08	3.37E-09	5.75E-09	4.26E-10	9.55E-09	1.92E-09	3.17E-09	1.05E-10	5.19E-09
1947	743401.64	4108603.95	2.27E-08	4.13E-08	2.27E-09	6.62E-08	3.51E-09	6.77E-09	3.40E-10	1.06E-08	3.42E-09	5.82E-09	4.32E-10	9.67E-09	1.94E-09	3.21E-09	1.06E-10	5.26E-09
1948	743421.85	4108617.63	2.29E-08	4.17E-08	2.29E-09	6.69E-08	3.55E-09	6.84E-09	3.44E-10	1.07E-08	3.45E-09	5.89E-09	4.36E-10	9.78E-09	1.96E-09	3.25E-09	1.08E-10	5.32E-09
1949	743442.06	4108631.32	2.31E-08	4.21E-08	2.31E-09	6.75E-08	3.58E-09	6.90E-09	3.47E-10	1.08E-08	3.48E-09	5.94E-09	4.40E-10	9.86E-09	1.98E-09	3.27E-09	1.09E-10	5.36E-09
1950	743462.27	4108645	2.33E-08	4.24E-08	2.33E-09	6.80E-08	3.61E-09	6.95E-09	3.49E-10	1.09E-08	3.51E-09	5.98E-09	4.43E-10	9.93E-09	1.99E-09	3.30E-09	1.09E-10	5.40E-09
1951	743482.49	4108658.68	2.34E-08	4.27E-08	2.34E-09	6.85E-08	3.63E-09	7.00E-09	3.52E-10	1.10E-08	3.53E-09	6.02E-09	4.46E-10	1.00E-08	2.01E-09	3.32E-09	1.10E-10	5.44E-09
1952	743502.7	4108672.36	2.36E-08	4.30E-08	2.36E-09	6.89E-08	3.66E-09	7.05E-09	3.54E-10	1.11E-08	3.56E-09	6.06E-09	4.49E-10	1.01E-08	2.02E-09	3.34E-09	1.11E-10	5.48E-09
1953	743522.91	4108686.04	2.38E-08	4.33E-08	2.38E-09	6.94E-08	3.68E-09	7.10E-09	3.57E-10	1.11E-08	3.58E-09	6.11E-09	4.53E-10	1.01E-08	2.04E-09	3.37E-09	1.12E-10	5.52E-09
1954	743543.12	4108699.72	2.39E-08	4.36E-08	2.39E-09	6.99E-08	3.71E-09	7.15E-09	3.59E-10	1.12E-08	3.61E-09	6.15E-09	4.56E-10	1.02E-08	2.05E-09	3.39E-09	1.12E-10	5.56E-09

1955	743563.33	4108713.4	2.41E-08	4.40E-08	2.41E-09	7.05E-08	3.74E-09	7.21E-09	3.62E-10	1.13E-08	3.64E-09	6.20E-09	4.60E-10	1.03E-08	2.07E-09	3.42E-09	1.13E-10	5.60E-09
1956	743583.55	4108727.08	2.44E-08	4.44E-08	2.44E-09	7.12E-08	3.78E-09	7.28E-09	3.66E-10	1.14E-08	3.67E-09	6.26E-09	4.64E-10	1.04E-08	2.09E-09	3.45E-09	1.14E-10	5.65E-09
1957	743603.76	4108740.76	2.46E-08	4.48E-08	2.46E-09	7.18E-08	3.81E-09	7.34E-09	3.69E-10	1.15E-08	3.71E-09	6.32E-09	4.68E-10	1.05E-08	2.11E-09	3.49E-09	1.16E-10	5.71E-09
1958	743623.97	4108754.44	2.48E-08	4.52E-08	2.48E-09	7.25E-08	3.85E-09	7.41E-09	3.72E-10	1.16E-08	3.74E-09	6.38E-09	4.73E-10	1.06E-08	2.13E-09	3.52E-09	1.17E-10	5.76E-09
1959	743644.18	4108768.12	2.50E-08	4.56E-08	2.50E-09	7.31E-08	3.88E-09	7.47E-09	3.75E-10	1.17E-08	3.77E-09	6.43E-09	4.76E-10	1.07E-08	2.14E-09	3.54E-09	1.17E-10	5.80E-09
1960	741055.74	4108235.74	7.28E-09	1.33E-08	7.28E-10	2.13E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.24E-10	1.03E-09	3.42E-11	1.69E-09
1961	741035.11	4108249	7.35E-09	1.34E-08	7.35E-10	2.15E-08	1.14E-09	2.19E-09	1.10E-10	3.44E-09	1.11E-09	1.89E-09	1.40E-10	3.14E-09	6.30E-10	1.04E-09	3.45E-11	1.71E-09
1962	741014.47	4108262.25	7.43E-09	1.35E-08	7.43E-10	2.17E-08	1.15E-09	2.22E-09	1.12E-10	3.48E-09	1.12E-09	1.91E-09	1.42E-10	3.17E-09	6.37E-10	1.05E-09	3.49E-11	1.72E-09
1963	740993.83	4108275.51	7.52E-09	1.37E-08	7.53E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.13E-09	1.93E-09	1.43E-10	3.21E-09	6.45E-10	1.07E-09	3.54E-11	1.75E-09
1964	740973.19	4108288.77	7.64E-09	1.39E-08	7.64E-10	2.23E-08	1.18E-09	2.28E-09	1.15E-10	3.58E-09	1.15E-09	1.96E-09	1.46E-10	3.26E-09	6.55E-10	1.08E-09	3.59E-11	1.77E-09
1965	740952.55	4108302.02	7.77E-09	1.42E-08	7.77E-10	2.27E-08	1.20E-09	2.32E-09	1.17E-10	3.64E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.65E-10	1.10E-09	3.65E-11	1.80E-09
1966	740931.91	4108315.28	7.90E-09	1.44E-08	7.91E-10	2.31E-08	1.23E-09	2.36E-09	1.19E-10	3.71E-09	1.19E-09	2.03E-09	1.51E-10	3.37E-09	6.77E-10	1.12E-09	3.71E-11	1.84E-09
1967	740863.38	4107894.8	5.44E-09	9.92E-09	5.45E-10	1.59E-08	8.44E-10	1.63E-09	8.17E-11	2.55E-09	8.21E-10	1.40E-09	1.04E-10	2.32E-09	4.66E-10	7.72E-10	2.56E-11	1.26E-09
1968	740887.18	4107890.41	5.45E-09	9.93E-09	5.45E-10	1.59E-08	8.45E-10	1.63E-09	8.18E-11	2.56E-09	8.22E-10	1.40E-09	1.04E-10	2.33E-09	4.67E-10	7.73E-10	2.56E-11	1.27E-09
1969	740910.99	4107886.02	5.47E-09	9.96E-09	5.47E-10	1.60E-08	8.48E-10	1.63E-09	8.21E-11	2.56E-09	8.25E-10	1.41E-09	1.04E-10	2.33E-09	4.69E-10	7.75E-10	2.57E-11	1.27E-09
1970	740934.8	4107881.63	5.49E-09	1.00E-08	5.49E-10	1.60E-08	8.51E-10	1.64E-09	8.24E-11	2.57E-09	8.28E-10	1.41E-09	1.05E-10	2.34E-09	4.70E-10	7.78E-10	2.58E-11	1.27E-09
1971	740958.61	4107877.24	5.52E-09	1.01E-08	5.52E-10	1.61E-08	8.55E-10	1.65E-09	8.28E-11	2.59E-09	8.32E-10	1.42E-09	1.05E-10	2.35E-09	4.73E-10	7.82E-10	2.59E-11	1.28E-09
1972	740982.42	4107872.85	5.54E-09	1.01E-08	5.55E-10	1.62E-08	8.60E-10	1.66E-09	8.32E-11	2.60E-09	8.36E-10	1.43E-09	1.06E-10	2.37E-09	4.75E-10	7.86E-10	2.61E-11	1.29E-09
1973	741006.23	4107868.46	5.57E-09	1.02E-08	5.58E-10	1.63E-08	8.64E-10	1.67E-09	8.37E-11	2.61E-09	8.41E-10	1.43E-09	1.06E-10	2.38E-09	4.78E-10	7.90E-10	2.62E-11	1.29E-09
1974	741030.04	4107864.07	5.60E-09	1.02E-08	5.60E-10	1.64E-08	8.68E-10	1.67E-09	8.41E-11	2.63E-09	8.44E-10	1.44E-09	1.07E-10	2.39E-09	4.80E-10	7.94E-10	2.63E-11	1.30E-09
1975	741053.85	4107859.68	5.63E-09	1.03E-08	5.63E-10	1.64E-08	8.72E-10	1.68E-09	8.44E-11	2.64E-09	8.48E-10	1.45E-09	1.07E-10	2.40E-09	4.82E-10	7.98E-10	2.64E-11	1.31E-09
1976	741077.66	4107855.29	5.65E-09	1.03E-08	5.65E-10	1.65E-08	8.76E-10	1.69E-09	8.48E-11	2.65E-09	8.52E-10	1.45E-09	1.08E-10	2.41E-09	4.84E-10	8.01E-10	2.65E-11	1.31E-09
1977	741101.47	4107850.9	5.67E-09	1.03E-08	5.67E-10	1.66E-08	8.79E-10	1.69E-09	8.50E-11	2.66E-09	8.54E-10	1.46E-09	1.08E-10	2.42E-09	4.85E-10	8.03E-10	2.66E-11	1.32E-09
1978	741125.28	4107846.51	5.68E-09	1.03E-08	5.68E-10	1.66E-08	8.81E-10	1.70E-09	8.52E-11	2.66E-09	8.56E-10	1.46E-09	1.08E-10	2.42E-09	4.87E-10	8.05E-10	2.67E-11	1.32E-09
1979	741149.09	4107842.13	5.69E-09	1.04E-08	5.69E-10	1.66E-08	8.82E-10	1.70E-09	8.54E-11	2.67E-09	8.58E-10	1.46E-09	1.08E-10	2.43E-09	4.87E-10	8.07E-10	2.67E-11	1.32E-09
1980	741172.89	4107837.74	5.70E-09	1.04E-08	5.70E-10	1.66E-08	8.84E-10	1.70E-09	8.55E-11	2.67E-09	8.59E-10	1.46E-09	1.09E-10	2.43E-09	4.88E-10	8.08E-10	2.68E-11	1.32E-09
1981	741196.7	4107833.35	5.70E-09	1.04E-08	5.71E-10	1.67E-08	8.85E-10	1.70E-09	8.56E-11	2.67E-09	8.60E-10	1.47E-09	1.09E-10	2.44E-09	4.89E-10	8.09E-10	2.68E-11	1.32E-09
1982	741220.51	4107828.96	5.72E-09	1.04E-08	5.72E-10	1.67E-08	8.86E-10	1.71E-09	8.58E-11	2.68E-09	8.62E-10	1.47E-09	1.09E-10	2.44E-09	4.90E-10	8.10E-10	2.69E-11	1.33E-09
1983	741244.32	4107824.57	5.73E-09	1.04E-08	5.73E-10	1.67E-08	8.88E-10	1.71E-09	8.60E-11	2.69E-09	8.64E-10	1.47E-09	1.09E-10	2.45E-09	4.91E-10	8.12E-10	2.69E-11	1.33E-09
1984	741268.13	4107820.18	5.74E-09	1.05E-08	5.74E-10	1.68E-08	8.90E-10	1.72E-09	8.62E-11	2.69E-09	8.66E-10	1.48E-09	1.09E-10	2.45E-09	4.92E-10	8.14E-10	2.70E-11	1.33E-09
1985	741291.94	4107815.79	5.76E-09	1.05E-08	5.76E-10	1.68E-08	8.93E-10	1.72E-09	8.65E-11	2.70E-09	8.69E-10	1.48E-09	1.10E-10	2.46E-09	4.94E-10	8.17E-10	2.71E-11	1.34E-09
1986	741315.75	4107811.4	5.79E-09	1.05E-08	5.79E-10	1.69E-08	8.97E-10	1.73E-09	8.68E-11	2.71E-09	8.73E-10	1.49E-09	1.10E-10	2.47E-09	4.96E-10	8.20E-10	2.72E-11	1.34E-09
1987	741339.56	4107807.01	5.82E-09	1.06E-08	5.82E-10	1.70E-08	9.02E-10	1.74E-09	8.73E-11	2.73E-09	8.77E-10	1.50E-09	1.11E-10	2.48E-09	4.98E-10	8.25E-10	2.73E-11	1.35E-09
1988	741363.37	4107802.62	5.86E-09	1.07E-08	5.86E-10	1.71E-08	9.08E-10	1.75E-09	8.79E-11	2.75E-09	8.83E-10	1.51E-09	1.12E-10	2.50E-09	5.02E-10	8.30E-10	2.75E-11	1.36E-09
1989	741387.18	4107798.23	5.90E-09	1.08E-08	5.90E-10	1.72E-08	9.15E-10	1.76E-09	8.85E-11	2.77E-09	8.90E-10	1.52E-09	1.12E-10	2.52E-09	5.05E-10	8.36E-10	2.77E-11	1.37E-09
1990	741410.99	4107793.84	5.95E-09	1.08E-08	5.95E-10	1.74E-08	9.23E-10	1.78E-09	8.93E-11	2.79E-09	8.97E-10	1.53E-09	1.13E-10	2.54E-09	5.10E-10	8.43E-10	2.80E-11	1.38E-09
1991	741434.8	4107789.45	6.00E-09	1.09E-08	6.00E-10	1.75E-08	9.31E-10	1.79E-09	9.01E-11	2.81E-09	9.05E-10	1.54E-09	1.14E-10	2.56E-09	5.14E-10	8.51E-10	2.82E-11	1.39E-09
1992	741458.6	4107785.06	6.06E-09	1.10E-08	6.06E-10	1.77E-08	9.39E-10	1.81E-09	9.09E-11	2.84E-09	9.13E-10	1.56E-09	1.15E-10	2.59E-09	5.19E-10	8.59E-10	2.85E-11	1.41E-09
1993	741482.41	4107780.67	6.11E-09	1.11E-08	6.12E-10	1.79E-08	9.48E-10	1.83E-09	9.18E-11	2.87E-09	9.22E-10	1.57E-09	1.17E-10	2.61E-09	5.24E-10	8.67E-10	2.87E-11	1.42E-09
1994	741506.22	4107776.28	6.17E-09	1.12E-08	6.17E-10	1.80E-08	9.57E-10	1.84E-09	9.26E-11	2.89E-09	9.30E-10	1.59E-09	1.18E-10	2.63E-09	5.29E-10	8.75E-10	2.90E-11	1.43E-09
1995	741530.03	4107771.9	6.22E-09	1.13E-08	6.22E-10	1.82E-08	9.65E-10	1.86E-09	9.34E-11	2.92E-09	9.38E-10	1.60E-09	1.19E-10	2.66E-09	5.33E-10	8.82E-10	2.92E-11	1.44E-09
1996	741553.84	4107767.51	6.27E-09	1.14E-08	6.27E-10	1.83E-08	9.72E-10	1.87E-09	9.40E-11	2.94E-09	9.45E-10	1.61E-09	1.19E-10	2.67E-09	5.37E-10	8.88E-10	2.94E-11	1.45E-09
1997	741577.65	4107763.12	6.31E-09	1.15E-08	6.31E-10	1.84E-08	9.78E-10	1.88E-09	9.47E-11	2.96E-09	9.51E-10	1.62E-09	1.20E-10	2.69E-09	5.41E-10	8.95E-10	2.96E-11	1.46E-09
1998	741601.46	4107758.73	6.34E-09	1.16E-08	6.35E-10	1.85E-08	9.84E-10	1.90E-09	9.52E-11	2.97E-09	9.57E-10	1.63E-09	1.21E-10	2.71E-09	5.44E-10	8.99E-10	2.98E-11	1.47E-09
1999	741625.27	4107754.34	6.37E-09	1.16E-08	6.38E-10	1.86E-08	9.88E-10	1.90E-09	9.57E-11	2.99E-09	9.61E-10	1.64E-09	1.21E-10	2.72E-09	5.46E-10	9.04E-10	3.00E-11	1.48E-09
2000	741649.08	4107749.95	6.40E-09	1.17E-08	6.40E-10	1.87E-08	9.92E-10	1.91E-09	9.61E-11	3.00E-09	9.65E-10	1.65E-09	1.22E-10	2.73E-09	5.48E-10	9.07E-10	3.01E-11	1.49E-09
2001	741672.89	4107745.56	6.42E-09	1.17E-08	6.42E-10	1.88E-08	9.96E-10	1.92E-09	9.63E-11	3.01E-09	9.68E-10	1.65E-09	1.22E-10	2.74E-09	5.50E-10	9.10E-10	3.02E-11	1.49E-09
2002	741696.7	4107741.17	6.44E-09	1.17E-08	6.44E-10	1.88E-08	9.99E-10	1.92E-09	9.66E-11	3.02E-09	9.71E-10	1.66E-09	1.23E-10	2.75E-09	5.52E-10	9.13E-10	3.03E-11	1.49E-09
2003	741720.51	4107736.78	6.46E-09	1.18E-08	6.46E-10	1.89E-08	1.00E-09	1.93E-09	9.69E-11	3.03E-09	9.74E-10	1.66E-09	1.23E-10	2.76E-09	5.53E-10	9.16E-10	3.04E-11	1.50E-09
2004	741744.31	4107732.39	6.48E-09	1.18E-08	6.48E-10	1.89E-08	1.00E-09	1.93E-09	9.72E-11	3.04E-09	9.77E-10	1.66E-09	1.23E-10	2.76E-09	5.55E-10	9.18E-10	3.04E-11	1.50E-09
2005	741768.12	4107728	6.50E-09	1.18E-08	6.50E-10	1.90E-08	1.01E-09	1.94E-09	9.75E-11	3.05E-09	9.80E-10	1.67E-09	1.24E-10	2.77E-09	5.57E-10	9.22E-10	3.05E-11	1.51E-09
2006	741791.93	4107723.61	6.53E-09	1.19E-08	6.53E-10	1.91E-08	1.01E-09	1.95E-09	9.79E-11	3.06E-09	9.84E-10	1.68E-09	1.24E-10	2.79E-09	5.59E-10	9.25E-10	3.07E-11	1.52E-09
2007	741815.74	4107719.22	6.55E-09	1.19E-08	6.56E-10	1.92E-08	1.02E-09	1.96E-09	9.84E-11	3.07E-09	9.88E-10	1.68E-09	1.25E-10	2.80E-09	5.62E-10	9.29E-10	3.08E-11	1.52E-09
2008	741839.55	4107714.83	6.59E-09	1.20E-08	6.59E-10	1.93E-08	1.02E-09	1.97E-09	9.89E-11	3.09E-09	9.94E-10	1.69E-09	1.26E-10	2.81E-09	5.65E-10	9.34E-10	3.10E-11	1.53E-09
2009	741863.36	4107710.44	6.63E-09	1.21E-08	6.63E-10	1.94E-08	1.03E-09	1.98E-09	9.95E-11	3.11E-09	9.99E-10	1.70E-09	1.26E-10	2.83E-09	5.68E-10	9.40E-10	3.11E-11	1.54E-09
2010	741887.17	4107706.05	6.67E-09	1.22E-08	6.67E-10	1.95E-08	1.03E-09	1.99E-09	1.00E-10	3.13E-09	1.01E-09	1.71E-09	1.27E-10	2.85E-09	5.71E-10	9.45E-10	3.13E-11	1.55E-09
2011	741910.98	4107701.67	6.71E-09	1.22E-08	6.72E-10	1.96E-08	1.04E-09	2.01E-09	1.01E-10	3.15E-09	1.01E-09	1.73E-09	1.28E-10	2.87E-09	5.75E-10	9.52E-10	3.15E-11	1.56E-09
2012	741934.79	4107697.28	6.76E-09	1.23E-08	6.76E-10	1.97E-08	1.05E-09	2.02E-09	1.01E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.88E-09	5.79E-10	9.58E-10	3.18E-11	1.57E-09
2013	741958.6	4107692.89	6.80E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.03E-09	1.75E-09	1.30E-10	2.90E-09	5.83E-10	9.64E-10	3.20E-11	1.58E-09
2014	741982.41	4107688.5	6.84E-09	1.25E-08	6.85E-10	2.00E-08	1.06E-09	2.04E-09	1.03E-10	3.21E-09	1.03E-09	1.76E-09	1.30E-10	2.92E-09	5.86E-10	9.70E-10	3.22E-11	1.59E-09
2015	742006.21	4107684.11	6.88E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.89E-10	9.75E-10	3.23E-11	1.60E-09
2016	742030.02	4107679.72	6.91E-09	1.26E-08	6.91E-10	2.02E-08	1.07E-09	2.06E-09	1.04E-10	3.24E-09	1.04E-09	1.78E-09	1.32E-10	2.95E-09	5.92E-10	9.79E-10	3.25E-11	1.60E-09
2017	742053.83	4107675.33	6.92E-09	1.26E-08	6.93E-10	2.02E-08	1.07E-09	2.07E-09	1.04E-10	3.25E-09	1.04E-09	1.78E-09	1.32E-10	2.96E-09	5.93E-10	9.82E-10	3.25E-11	1.61E-09
2018	742077.64	4107670.94	6.93E-09	1.26E-08	6.94E-10	2.03E-08	1.08E-09	2.07E-09	1.04E-10	3.25E-09	1.05E-09	1.78E-09	1.32E-10	2.96E-09	5.94E-10	9.83E-10	3.26E-11	1.61E-09
2019	742101.45	4107666.55	6.94E-09	1.26E-08	6.94E-10	2.03E-08	1.08E-09	2.07E-09	1.04E-10	3.25E-09	1.05E-09	1.78E-09	1.32E-10	2.96E-09	5.94E-10	9.83E-10	3.26E-11	1.61E-09
2020	742125.26	4107662.16	6.92E-09	1.26E-08	6.93E-10	2.02E-08	1.07E-09	2.07E-09	1.04E-10	3.25E-09	1.04E-09	1.78E-09	1.32E-10	2.96E-09	5.93E-10	9.82E-10	3.25E-11	1.61E-09
2021	742149.07	4107657.77	6.90E-09	1.26E-08	6.91E-10	2.02E-08	1.07E-09	2.06E-09	1.04E-10	3.24E-09	1.04E-09	1.77E-09	1.32E-10	2.95E-09	5.91E-10	9.79E-10	3.24E-11	1.60E-09
2022	742172.88	4107653.38	6.88E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.05E-09	1.03E-10	3.22E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.89E-10	9.75E-10	3.23E-11	1.60E-09
2023	742196.69	4107648.99	6.84E-09	1.25E-08	6.85E-10	2.00E-08	1.06E-09	2.04E-09	1.03E-10	3.21E-09	1.03E-09	1.76E-09	1.30E-10	2.92E-09	5.86E-10	9.70E-10	3.22E-11	1.59E-09
2024	742220.5	4107644.6	6.81E-09	1.24E-08	6.81E-10	1.99E-08	1.06E-09	2.03E-09	1.02E-10	3.19E-09	1.03E-09	1.75E-09	1.30E-10	2.91E-09	5.83E-10	9.65E-10	3.20E-11	1.58E-09
2025	742244.31	4107640.21	6.77E-09	1.23E-08	6.78E-10	1.98E-08	1.05E-09	2.02E-09	1.02E-10	3.18E-09	1.02E-09	1.74E-09	1.29E-10	2.89E-09	5.81E-10	9.61E-10	3.18E-11	1.57E-09
2026	742268.12	4107635.82	6.74E-09	1.23E-08	6.75E-10	1.97E-08	1.05E-09	2.01E-09	1.01E-10	3.16E-09	1.02E-09	1.73E-09	1.29E-10	2.88E-09	5.78E-10	9.56E-10	3.17E-11	1.57E-09
2027	742291.92	4107631.44	6.72E-09	1.22E-08	6.72E-10	1.96E-08	1.04E-09	2.01E-09	1.01E-10	3.15E-09	1.01E-09	1.73E-09	1.28E-10	2.87E-09	5.76E-10	9.53E-10	3.16E-11	1.56E-09
2028	742315.73	4107627.05	6.71E-09	1.22E-08	6.71E-10	1.96E-08	1.04E-09	2.00E-09	1.01E-10	3.14E-09	1.01E-09	1.72E-09	1.28E-10	2.86E-09	5.75E-10	9.51E-10	3.15E-11	1.56E-09
2029	742339.54	4107622.66	6.70E-09	1.22E-08	6.71E-10	1.96E-08	1.04E-09	2.00E-09	1.01E-10	3.14E-09	1.01E-09	1.72E-09	1.28E-10	2.86E-09	5.74E-10	9.50E-10	3.15E-11	1.56E-09
2030	742363.35	4107618.27	6.71E-09	1.22E-08	6.71E-10	1.96E-08	1.04E-09	2.00E-09	1.01E-10	3.15E-09	1.01E-09	1.72E-09	1.28E-10	2.86E-09	5.75E-10	9.51E-10	3.15E-11	1.56E-09
2031	742387.16	4107613.88	6.73E-09	1.23E-08	6.73E-10	1.97E-08	1.04E-09	2.01E-09	1.01E-10	3.15E-09	1.01E-09	1.73E-09	1.28E-10	2.87E-09	5.77E-10	9.54E-10	3.16E-11	1.56E-09
2032	742410.97	4107609.49	6.76E-09	1.23E-08	6.76E-10	1.98E-08	1.05E-09	2.02E-09	1.01E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.89E-09	5.79E-10	9.58E-10	3.18E-11	1.57E-09
2033	742434.78	4107605.1	6.82E-09	1.24E-08	6.82E-10	1.99E-08	1.06E-09	2.04E-09	1.02E-10	3.20E-09	1.03E-09	1.75E-09	1.30E-10	2.91E-09	5.84E-10	9.66E-10	3.20E-11	1.58E-09
2034	742458.59	4107600.71	6.89E-09	1.26E-08	6.89E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.90E-10	9.77E-10	3.24E-11	1.60E-09
2035	742482.4	4107596.32	6.98E-09	1.27E-08	6.98E-10	2.04E-08	1.08E-09	2.08E-09	1.05E-10	3.27E-09	1.05E-09	1.79E-09	1.33E-10	2.98E-09	5.98E-10	9.89E-10	3.28E-11	1.62E-09
2036	742506.21	4107591.93	7.07E-09	1.29E-08	7.08E-10	2.07E-08	1.10E-09	2.11E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.06E-10	1.00E-09	3.32E-11	1.64E-09
2037	742530.02	4107587.54	7.17E-09	1.31E-08	7.18E-10	2.10E-08	1.11E-09	2.14E-09	1.08E-10	3.36E-09	1.08E-09	1.84E-09	1.37E-10	3.06E-09	6.15E-10	1.02E-09	3.37E-11	1.67E-09
2038	742573.88	4107596.72	7.48E-09	1.36E-08	7.48E-10	2.19E-08	1.16E-09	2.23E-09	1.12E-10	3.51E-09	1.13E-09	1.92E-09	1.43E-10	3.19E-09	6.41E-10	1.06E-09	3.51E-11	1.74E-09
2039	742593.93	4107610.29	7.68E-09	1.40E-08	7.69E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.60E-09	1.16E-09	1.97E-09	1.46E-10	3.28E-09	6.58E-10	1.09E-09	3.61E-11	1.78E-09
2040	742613.97	4107623.86	7.88E-09	1.44E-08	7.88E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.69E-09	1.19E-09	2.02E-09	1.50E-10	3.36E-09	6.75E-10	1.12E-09	3.70E-11	1.83E-09
2041	742634.02	4107637.43	8.06E-09	1.47E-08	8.07E-10	2.36E-08	1.25E-09	2.41E-09	1.21E-10	3.78E-09	1.22E-09	2.07E-09	1.54E-10	3.44E-09	6.91E-10	1.14E-09	3.79E-11	1.87E-09
2042	742654.07	4107651	8.23E-09	1.50E-08	8.24E-10	2.41E-08	1.28E-09	2.46E-09	1.24E-10	3.86E-09	1.24E-09	2.12E-09	1.57E-10	3.51E-09	7.05E-10	1.17E-09	3.87E-11	1.91E-09
2043	742674.12	4107664.57	8.38E-09	1.53E-08	8.39E-10	2.45E-08	1.30E-09	2.50E-09	1.26E-10	3.93E-09	1.26E-09	2.15E-09	1.60E-10	3.58E-09	7.18E-10	1.19E-09	3.94E-11	1.95E-09

2044	742694.17	4107678.14	8.51E-09	1.55E-08	8.51E-10	2.49E-08	1.32E-09	2.54E-09	1.28E-10	3.99E-09	1.28E-09	2.19E-09	1.62E-10	3.63E-09	7.29E-10	1.21E-09	4.00E-11	1.97E-09
2045	742714.22	4107691.71	8.61E-09	1.57E-08	8.62E-10	2.52E-08	1.34E-09	2.57E-09	1.29E-10	4.04E-09	1.30E-09	2.21E-09	1.64E-10	3.68E-09	7.38E-10	1.22E-09	4.05E-11	2.00E-09
2046	742734.27	4107705.28	8.70E-09	1.58E-08	8.70E-10	2.54E-08	1.35E-09	2.60E-09	1.31E-10	4.08E-09	1.31E-09	2.24E-09	1.66E-10	3.71E-09	7.45E-10	1.23E-09	4.09E-11	2.02E-09
2047	742754.32	4107718.85	8.76E-09	1.60E-08	8.76E-10	2.56E-08	1.36E-09	2.62E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.50E-10	1.24E-09	4.11E-11	2.03E-09
2048	742774.37	4107732.42	8.79E-09	1.60E-08	8.79E-10	2.57E-08	1.36E-09	2.63E-09	1.32E-10	4.12E-09	1.33E-09	2.26E-09	1.67E-10	3.75E-09	7.53E-10	1.25E-09	4.13E-11	2.04E-09
2049	742794.42	4107745.99	8.80E-09	1.60E-08	8.81E-10	2.57E-08	1.36E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.26E-09	1.68E-10	3.76E-09	7.54E-10	1.25E-09	4.14E-11	2.04E-09
2050	742814.47	4107759.56	8.80E-09	1.60E-08	8.80E-10	2.57E-08	1.36E-09	2.63E-09	1.32E-10	4.12E-09	1.33E-09	2.26E-09	1.68E-10	3.76E-09	7.54E-10	1.25E-09	4.13E-11	2.04E-09
2051	742834.52	4107773.13	8.78E-09	1.60E-08	8.78E-10	2.57E-08	1.36E-09	2.62E-09	1.32E-10	4.12E-09	1.32E-09	2.26E-09	1.67E-10	3.75E-09	7.52E-10	1.24E-09	4.13E-11	2.04E-09
2052	742854.57	4107786.7	8.76E-09	1.60E-08	8.76E-10	2.56E-08	1.36E-09	2.62E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.50E-10	1.24E-09	4.11E-11	2.03E-09
2053	742874.62	4107800.27	8.73E-09	1.59E-08	8.74E-10	2.55E-08	1.35E-09	2.61E-09	1.31E-10	4.09E-09	1.32E-09	2.24E-09	1.66E-10	3.73E-09	7.48E-10	1.24E-09	4.10E-11	2.03E-09
2054	742894.67	4107813.85	8.71E-09	1.59E-08	8.72E-10	2.55E-08	1.35E-09	2.60E-09	1.31E-10	4.09E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.47E-10	1.24E-09	4.10E-11	2.02E-09
2055	742914.72	4107827.42	8.71E-09	1.59E-08	8.72E-10	2.55E-08	1.35E-09	2.60E-09	1.31E-10	4.08E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.46E-10	1.24E-09	4.09E-11	2.02E-09
2056	742934.77	4107840.99	8.72E-09	1.59E-08	8.73E-10	2.55E-08	1.35E-09	2.61E-09	1.31E-10	4.09E-09	1.32E-09	2.24E-09	1.66E-10	3.72E-09	7.47E-10	1.24E-09	4.10E-11	2.03E-09
2057	742954.82	4107854.56	8.75E-09	1.60E-08	8.76E-10	2.56E-08	1.36E-09	2.62E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.50E-10	1.24E-09	4.11E-11	2.03E-09
2058	742974.87	4107868.13	8.81E-09	1.60E-08	8.81E-10	2.57E-08	1.37E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.26E-09	1.68E-10	3.76E-09	7.55E-10	1.25E-09	4.14E-11	2.04E-09
2059	742994.92	4107881.7	8.88E-09	1.62E-08	8.88E-10	2.59E-08	1.38E-09	2.65E-09	1.33E-10	4.16E-09	1.34E-09	2.28E-09	1.69E-10	3.79E-09	7.61E-10	1.26E-09	4.17E-11	2.06E-09
2060	743014.97	4107895.27	8.97E-09	1.63E-08	8.98E-10	2.62E-08	1.39E-09	2.68E-09	1.35E-10	4.21E-09	1.35E-09	2.31E-09	1.71E-10	3.83E-09	7.69E-10	1.27E-09	4.22E-11	2.08E-09
2061	743035.02	4107908.84	9.09E-09	1.66E-08	9.09E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.26E-09	1.37E-09	2.34E-09	1.73E-10	3.88E-09	7.78E-10	1.29E-09	4.27E-11	2.11E-09
2062	743055.07	4107922.41	9.21E-09	1.68E-08	9.22E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.32E-09	1.39E-09	2.37E-09	1.76E-10	3.93E-09	7.89E-10	1.31E-09	4.33E-11	2.14E-09
2063	743075.12	4107935.98	9.35E-09	1.70E-08	9.36E-10	2.73E-08	1.45E-09	2.79E-09	1.40E-10	4.39E-09	1.41E-09	2.40E-09	1.78E-10	3.99E-09	8.02E-10	1.33E-09	4.40E-11	2.17E-09
2064	743095.17	4107949.55	9.51E-09	1.73E-08	9.51E-10	2.78E-08	1.47E-09	2.84E-09	1.43E-10	4.46E-09	1.43E-09	2.44E-09	1.81E-10	4.06E-09	8.15E-10	1.35E-09	4.47E-11	2.21E-09
2065	743115.22	4107963.12	9.67E-09	1.76E-08	9.68E-10	2.83E-08	1.50E-09	2.89E-09	1.45E-10	4.53E-09	1.46E-09	2.49E-09	1.84E-10	4.13E-09	8.29E-10	1.37E-09	4.54E-11	2.25E-09
2066	743135.27	4107976.69	9.84E-09	1.79E-08	9.85E-10	2.88E-08	1.53E-09	2.94E-09	1.48E-10	4.62E-09	1.48E-09	2.53E-09	1.88E-10	4.20E-09	8.43E-10	1.40E-09	4.63E-11	2.29E-09
2067	743155.32	4107990.26	1.00E-08	1.83E-08	1.00E-09	2.93E-08	1.56E-09	3.00E-09	1.51E-10	4.70E-09	1.51E-09	2.58E-09	1.91E-10	4.28E-09	8.59E-10	1.42E-09	4.71E-11	2.33E-09
2068	743175.37	4108003.83	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.59E-09	3.05E-09	1.53E-10	4.79E-09	1.54E-09	2.63E-09	1.95E-10	4.36E-09	8.76E-10	1.45E-09	4.80E-11	2.37E-09
2069	743195.42	4108017.4	1.04E-08	1.90E-08	1.04E-09	3.05E-08	1.62E-09	3.12E-09	1.57E-10	4.89E-09	1.57E-09	2.68E-09	1.99E-10	4.45E-09	8.94E-10	1.48E-09	4.90E-11	2.42E-09
2070	743215.47	4108030.97	1.07E-08	1.94E-08	1.07E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	5.00E-09	1.61E-09	2.74E-09	2.03E-10	4.55E-09	9.13E-10	1.51E-09	5.01E-11	2.47E-09
2071	743235.52	4108044.54	1.09E-08	1.99E-08	1.09E-09	3.18E-08	1.69E-09	3.25E-09	1.64E-10	5.11E-09	1.64E-09	2.80E-09	2.08E-10	4.65E-09	9.34E-10	1.54E-09	5.12E-11	2.53E-09
2072	743255.57	4108058.11	1.11E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.33E-09	1.67E-10	5.22E-09	1.68E-09	2.86E-09	2.12E-10	4.76E-09	9.55E-10	1.58E-09	5.24E-11	2.59E-09
2073	743275.62	4108071.68	1.14E-08	2.08E-08	1.14E-09	3.33E-08	1.77E-09	3.41E-09	1.71E-10	5.35E-09	1.72E-09	2.93E-09	2.17E-10	4.87E-09	9.77E-10	1.62E-09	5.36E-11	2.65E-09
2074	743295.67	4108085.25	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.81E-09	3.49E-09	1.75E-10	5.48E-09	1.76E-09	3.00E-09	2.23E-10	4.99E-09	1.00E-09	1.66E-09	5.49E-11	2.71E-09
2075	743315.72	4108098.82	1.20E-08	2.18E-08	1.20E-09	3.50E-08	1.86E-09	3.58E-09	1.80E-10	5.62E-09	1.81E-09	3.08E-09	2.28E-10	5.11E-09	1.03E-09	1.70E-09	5.63E-11	2.78E-09
2076	743335.77	4108112.39	1.23E-08	2.24E-08	1.23E-09	3.59E-08	1.90E-09	3.67E-09	1.84E-10	5.76E-09	1.85E-09	3.16E-09	2.34E-10	5.24E-09	1.05E-09	1.74E-09	5.77E-11	2.85E-09
2077	743355.82	4108125.96	1.26E-08	2.29E-08	1.26E-09	3.68E-08	1.95E-09	3.76E-09	1.89E-10	5.90E-09	1.90E-09	3.24E-09	2.40E-10	5.37E-09	1.08E-09	1.78E-09	5.91E-11	2.92E-09
2078	743375.87	4108139.53	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.85E-09	1.94E-10	6.05E-09	1.95E-09	3.32E-09	2.46E-10	5.51E-09	1.11E-09	1.83E-09	6.06E-11	2.99E-09
2079	743395.92	4108153.1	1.32E-08	2.41E-08	1.32E-09	3.86E-08	2.05E-09	3.95E-09	1.98E-10	6.20E-09	1.99E-09	3.40E-09	2.52E-10	5.64E-09	1.13E-09	1.87E-09	6.21E-11	3.07E-09
2080	743415.97	4108166.67	1.35E-08	2.47E-08	1.36E-09	3.96E-08	2.10E-09	4.05E-09	2.03E-10	6.35E-09	2.04E-09	3.48E-09	2.58E-10	5.78E-09	1.16E-09	1.92E-09	6.37E-11	3.14E-09
2081	743436.01	4108180.24	1.39E-08	2.53E-08	1.39E-09	4.05E-08	2.15E-09	4.14E-09	2.08E-10	6.50E-09	2.09E-09	3.57E-09	2.64E-10	5.92E-09	1.19E-09	1.97E-09	6.52E-11	3.22E-09
2082	743456.06	4108193.81	1.42E-08	2.59E-08	1.42E-09	4.15E-08	2.20E-09	4.24E-09	2.13E-10	6.66E-09	2.14E-09	3.65E-09	2.71E-10	6.06E-09	1.22E-09	2.01E-09	6.68E-11	3.30E-09
2083	743476.11	4108207.38	1.45E-08	2.65E-08	1.46E-09	4.25E-08	2.26E-09	4.34E-09	2.18E-10	6.82E-09	2.19E-09	3.74E-09	2.77E-10	6.21E-09	1.25E-09	2.06E-09	6.83E-11	3.38E-09
2084	743496.16	4108220.95	1.49E-08	2.71E-08	1.49E-09	4.35E-08	2.31E-09	4.44E-09	2.23E-10	6.97E-09	2.24E-09	3.82E-09	2.83E-10	6.35E-09	1.27E-09	2.11E-09	6.99E-11	3.45E-09
2085	743516.21	4108234.52	1.52E-08	2.77E-08	1.52E-09	4.44E-08	2.36E-09	4.54E-09	2.28E-10	7.13E-09	2.29E-09	3.91E-09	2.90E-10	6.49E-09	1.30E-09	2.16E-09	7.14E-11	3.53E-09
2086	743536.26	4108248.09	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.41E-09	4.64E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.96E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
2087	743556.31	4108261.66	1.58E-08	2.88E-08	1.58E-09	4.62E-08	2.45E-09	4.73E-09	2.37E-10	7.42E-09	2.39E-09	4.07E-09	3.01E-10	6.75E-09	1.36E-09	2.24E-09	7.43E-11	3.67E-09
2088	743576.36	4108275.23	1.61E-08	2.93E-08	1.61E-09	4.71E-08	2.50E-09	4.81E-09	2.42E-10	7.55E-09	2.43E-09	4.14E-09	3.07E-10	6.88E-09	1.38E-09	2.28E-09	7.57E-11	3.74E-09
2089	743596.41	4108288.8	1.64E-08	2.98E-08	1.64E-09	4.78E-08	2.54E-09	4.89E-09	2.46E-10	7.67E-09	2.47E-09	4.21E-09	3.12E-10	6.99E-09	1.40E-09	2.32E-09	7.69E-11	3.80E-09
2090	743616.46	4108302.37	1.66E-08	3.02E-08	1.66E-09	4.85E-08	2.57E-09	4.96E-09	2.49E-10	7.78E-09	2.50E-09	4.27E-09	3.16E-10	7.09E-09	1.42E-09	2.35E-09	7.80E-11	3.85E-09
2091	743636.51	4108315.94	1.68E-08	3.06E-08	1.68E-09	4.91E-08	2.60E-09	5.02E-09	2.52E-10	7.88E-09	2.53E-09	4.32E-09	3.20E-10	7.17E-09	1.44E-09	2.38E-09	7.89E-11	3.90E-09
2092	743656.56	4108329.51	1.70E-08	3.09E-08	1.70E-09	4.96E-08	2.63E-09	5.07E-09	2.55E-10	7.95E-09	2.56E-09	4.36E-09	3.23E-10	7.24E-09	1.45E-09	2.41E-09	7.97E-11	3.94E-09
2093	743676.61	4108343.08	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.65E-09	5.11E-09	2.57E-10	8.02E-09	2.58E-09	4.40E-09	3.26E-10	7.30E-09	1.47E-09	2.43E-09	8.04E-11	3.97E-09
2094	743696.66	4108356.65	1.72E-08	3.14E-08	1.72E-09	5.03E-08	2.67E-09	5.14E-09	2.58E-10	8.07E-09	2.60E-09	4.43E-09	3.28E-10	7.35E-09	1.48E-09	2.44E-09	8.09E-11	4.00E-09
2095	743716.71	4108370.22	1.73E-08	3.15E-08	1.73E-09	5.06E-08	2.68E-09	5.17E-09	2.60E-10	8.11E-09	2.61E-09	4.45E-09	3.30E-10	7.39E-09	1.48E-09	2.45E-09	8.13E-11	4.02E-09
2096	743736.76	4108383.79	1.74E-08	3.17E-08	1.74E-09	5.08E-08	2.69E-09	5.19E-09	2.61E-10	8.14E-09	2.62E-09	4.47E-09	3.31E-10	7.42E-09	1.49E-09	2.46E-09	8.16E-11	4.03E-09
2097	743756.81	4108397.36	1.74E-08	3.18E-08	1.75E-09	5.10E-08	2.70E-09	5.21E-09	2.62E-10	8.18E-09	2.63E-09	4.48E-09	3.32E-10	7.45E-09	1.49E-09	2.47E-09	8.20E-11	4.05E-09
2098	743776.86	4108410.93	1.75E-08	3.19E-08	1.75E-09	5.12E-08	2.72E-09	5.23E-09	2.63E-10	8.21E-09	2.64E-09	4.50E-09	3.34E-10	7.48E-09	1.50E-09	2.48E-09	8.23E-11	4.07E-09
2099	743796.91	4108424.5	1.76E-08	3.21E-08	1.76E-09	5.14E-08	2.73E-09	5.26E-09	2.64E-10	8.25E-09	2.65E-09	4.52E-09	3.35E-10	7.51E-09	1.51E-09	2.50E-09	8.27E-11	4.09E-09
2100	743816.96	4108438.07	1.77E-08	3.22E-08	1.77E-09	5.17E-08	2.74E-09	5.29E-09	2.66E-10	8.30E-09	2.67E-09	4.55E-09	3.37E-10	7.55E-09	1.52E-09	2.51E-09	8.32E-11	4.11E-09
2101	743837.01	4108451.64	1.78E-08	3.25E-08	1.78E-09	5.21E-08	2.76E-09	5.32E-09	2.68E-10	8.36E-09	2.69E-09	4.58E-09	3.40E-10	7.61E-09	1.53E-09	2.53E-09	8.38E-11	4.14E-09
2102	743857.06	4108465.21	1.80E-08	3.27E-08	1.80E-09	5.25E-08	2.79E-09	5.37E-09	2.70E-10	8.42E-09	2.71E-09	4.62E-09	3.42E-10	7.67E-09	1.54E-09	2.55E-09	8.44E-11	4.17E-09
2103	743877.11	4108478.78	1.81E-08	3.30E-08	1.81E-09	5.30E-08	2.81E-09	5.42E-09	2.72E-10	8.50E-09	2.73E-09	4.66E-09	3.46E-10	7.74E-09	1.55E-09	2.57E-09	8.52E-11	4.21E-09
2104	743897.16	4108492.35	1.83E-08	3.34E-08	1.83E-09	5.35E-08	2.84E-09	5.47E-09	2.75E-10	8.58E-09	2.76E-09	4.71E-09	3.49E-10	7.81E-09	1.57E-09	2.60E-09	8.60E-11	4.25E-09
2105	743917.21	4108505.92	1.85E-08	3.37E-08	1.85E-09	5.40E-08	2.87E-09	5.52E-09	2.77E-10	8.66E-09	2.79E-09	4.75E-09	3.52E-10	7.89E-09	1.58E-09	2.62E-09	8.68E-11	4.29E-09
2106	743937.26	4108519.49	1.86E-08	3.40E-08	1.87E-09	5.45E-08	2.89E-09	5.57E-09	2.80E-10	8.74E-09	2.81E-09	4.79E-09	3.55E-10	7.96E-09	1.60E-09	2.64E-09	8.76E-11	4.33E-09
2107	743957.31	4108533.06	1.88E-08	3.42E-08	1.88E-09	5.49E-08	2.91E-09	5.61E-09	2.82E-10	8.81E-09	2.83E-09	4.83E-09	3.58E-10	8.02E-09	1.61E-09	2.66E-09	8.83E-11	4.36E-09
2108	743977.36	4108546.63	1.89E-08	3.45E-08	1.89E-09	5.53E-08	2.93E-09	5.65E-09	2.84E-10	8.87E-09	2.85E-09	4.86E-09	3.61E-10	8.08E-09	1.62E-09	2.68E-09	8.89E-11	4.39E-09
2109	740839.57	4107899.19	5.44E-09	9.91E-09	5.44E-10	1.59E-08	8.44E-10	1.63E-09	8.16E-11	2.55E-09	8.20E-10	1.40E-09	1.04E-10	2.32E-09	4.66E-10	7.71E-10	2.56E-11	1.26E-09
2110	740818.93	4107912.44	5.49E-09	1.00E-08	5.49E-10	1.60E-08	8.51E-10	1.64E-09	8.24E-11	2.57E-09	8.28E-10	1.41E-09	1.05E-10	2.34E-09	4.70E-10	7.78E-10	2.58E-11	1.27E-09
2111	740798.29	4107925.7	5.55E-09	1.01E-08	5.55E-10	1.62E-08	8.61E-10	1.66E-09	8.33E-11	2.60E-09	8.37E-10	1.43E-09	1.06E-10	2.37E-09	4.76E-10	7.87E-10	2.61E-11	1.29E-09
2112	740777.65	4107938.96	5.62E-09	1.02E-08	5.63E-10	1.64E-08	8.72E-10	1.68E-09	8.44E-11	2.64E-09	8.48E-10	1.45E-09	1.07E-10	2.40E-09	4.82E-10	7.97E-10	2.64E-11	1.31E-09
2113	740757.01	4107952.21	5.71E-09	1.04E-08	5.71E-10	1.67E-08	8.85E-10	1.71E-09	8.57E-11	2.68E-09	8.61E-10	1.47E-09	1.09E-10	2.44E-09	4.89E-10	8.09E-10	2.68E-11	1.33E-09
2114	740736.37	4107965.47	5.80E-09	1.06E-08	5.81E-10	1.70E-08	9.00E-10	1.73E-09	8.71E-11	2.72E-09	8.75E-10	1.49E-09	1.11E-10	2.48E-09	4.97E-10	8.23E-10	2.73E-11	1.35E-09
2115	740715.74	4107978.73	5.91E-09	1.08E-08	5.91E-10	1.73E-08	9.16E-10	1.76E-09	8.87E-11	2.77E-09	8.91E-10	1.52E-09	1.13E-10	2.52E-09	5.06E-10	8.38E-10	2.78E-11	1.37E-09
2116	740647.35	4107558.22	4.26E-09	7.76E-09	4.26E-10	1.24E-08	6.60E-10	1.27E-09	6.39E-11	2.00E-09	6.42E-10	1.09E-09	8.12E-11	1.82E-09	3.65E-10	6.04E-10	2.00E-11	9.89E-10
2117	740671.3	4107553.8	4.26E-09	7.77E-09	4.27E-10	1.25E-08	6.61E-10	1.27E-09	6.40E-11	2.00E-09	6.43E-10	1.10E-09	8.12E-11	1.82E-09	3.65E-10	6.04E-10	2.00E-11	9.90E-10
2118	740695.26	4107549.39	4.27E-09	7.79E-09	4.28E-10	1.25E-08	6.63E-10	1.28E-09	6.41E-11	2.00E-09	6.44E-10	1.10E-09	8.14E-11	1.82E-09	3.66E-10	6.06E-10	2.01E-11	9.92E-10
2119	740719.22	4107544.97	4.29E-09	7.82E-09	4.29E-10	1.25E-08	6.65E-10	1.28E-09	6.44E-11	2.01E-09	6.47E-10	1.10E-09	8.18E-11	1.83E-09	3.68E-10	6.08E-10	2.02E-11	9.96E-10
2120	740743.17	4107540.55	4.32E-09	7.86E-09	4.32E-10	1.26E-08	6.69E-10	1.29E-09	6.48E-11	2.02E-09	6.51E-10	1.11E-09	8.22E-11	1.84E-09	3.70E-10	6.12E-10	2.03E-11	1.00E-09
2121	740767.13	4107536.14	4.34E-09	7.91E-09	4.35E-10	1.27E-08	6.74E-10	1.30E-09	6.52E-11	2.04E-09	6.55E-10	1.12E-09	8.28E-11	1.85E-09	3.72E-10	6.16E-10	2.04E-11	1.01E-09
2122	740791.09	4107531.72	4.37E-09	7.97E-09	4.38E-10	1.28E-08	6.78E-10	1.31E-09	6.56E-11	2.05E-09	6.60E-10	1.12E-09	8.33E-11	1.87E-09	3.75E-10	6.20E-10	2.06E-11	1.02E-09
2123	740815.04	4107527.3	4.41E-09	8.03E-09	4.41E-10	1.29E-08	6.83E-10	1.32E-09	6.61E-11	2.07E-09	6.64E-10	1.13E-09	8.40E-11	1.88E-09	3.78E-10	6.25E-10	2.07E-11	1.02E-09
2124	740839	4107522.89	4.44E-09	8.08E-09	4.44E-10	1.30E-08	6.88E-10	1.33E-09	6.66E-11	2.08E-09	6.69E-10	1.14E-09	8.45E-11	1.89E-09	3.80E-10	6.29E-10	2.08E-11	1.03E-09
2125	740862.96	4107518.47	4.46E-09	8.13E-09	4.46E-10	1.30E-08	6.92E-10	1.33E-09	6.70E-11	2.09E-09	6.73E-10	1.15E-09	8.50E-11	1.91E-09	3.82E-10	6.33E-10	2.10E-11	1.04E-09
2126	740886.92	4107514.05	4.49E-09	8.17E-09	4.49E-10	1.31E-08	6.96E-10	1.34E-09	6.73E-11	2.10E-09	6.77E-10	1.15E-09	8.55E-11	1.92E-09	3.84E-10	6.36E-10	2.11E-11	1.04E-09
2127	740910.87	4107509.64	4.51E-09	8.21E-09	4.51E-10	1.32E-08	6.99E-10	1.35E-09	6.76E-11	2.11E-09	6.79E-10	1.16E-09	8.59E-11	1.92E-09	3.86E-10	6.39E-10	2.12E-11	1.05E-09
2128	740934.83	4107505.22	4.52E-09	8.24E-09	4.52E-10	1.32E-08	7.01E-10	1.35E-09	6.79E-11	2.12E-09	6.82E-10	1.16E-09	8.61E-11	1.93E-09	3.87E-10	6.41E-10	2.12E-11	1.05E-09
2129	740958.79	4107500.8	4.53E-09	8.26E-09	4.53E-10	1.32E-08	7.03E-10	1.35E-09	6.80E-11	2.12E-09	6.83E-10	1.16E-09	8.64E-11	1.93E-09	3.88E-10	6.43E-10	2.13E-11	1.05E-09
2130	740982.74	4107496.39	4.54E-09	8.27E-09	4.54E-10	1.33E-08	7.03E-10	1.36E-09	6.81E-11	2.13E-09	6.84E-10	1.17E-09	8.64E-11	1.94E-09	3.89E-10	6.43E-10	2.13E-11	1.05E-09
2131	741006.7	4107491.97	4.54E-09	8.27E-09	4.54E-10	1.33E-08	7.04E-10	1.36E-09	6.81E-11	2.13E-09	6.84E-10	1.17E-09	8.65E-11	1.94E-09	3.89E-10	6.43E-10	2.13E-11	1.05E-09
2132	741030.66	4107487.55	4.54E-09	8.27E-09	4.54E-10	1.33E-08	7.03E-10	1.36E-09	6.81E-11	2.13E-09	6.84E-10	1.17E-09	8.64E-11	1.94E-09	3.89E-10	6.43E-10	2.13E-11	1.05E-09

2133	741054.62	4107483.14	4.53E-09	8.26E-09	4.54E-10	1.32E-08	7.03E-10	1.35E-09	6.80E-11	2.13E-09	6.84E-10	1.17E-09	8.64E-11	1.94E-09	3.89E-10	6.43E-10	2.13E-11	1.05E-09
2134	741078.57	4107478.72	4.53E-09	8.25E-09	4.53E-10	1.32E-08	7.02E-10	1.35E-09	6.80E-11	2.12E-09	6.83E-10	1.16E-09	8.63E-11	1.93E-09	3.88E-10	6.42E-10	2.13E-11	1.05E-09
2135	741102.53	4107474.3	4.53E-09	8.25E-09	4.53E-10	1.32E-08	7.02E-10	1.35E-09	6.79E-11	2.12E-09	6.82E-10	1.16E-09	8.62E-11	1.93E-09	3.88E-10	6.42E-10	2.13E-11	1.05E-09
2136	741126.49	4107469.89	4.53E-09	8.25E-09	4.53E-10	1.32E-08	7.02E-10	1.35E-09	6.79E-11	2.12E-09	6.82E-10	1.16E-09	8.62E-11	1.93E-09	3.88E-10	6.42E-10	2.13E-11	1.05E-09
2137	741150.44	4107465.47	4.53E-09	8.25E-09	4.53E-10	1.32E-08	7.02E-10	1.35E-09	6.80E-11	2.12E-09	6.83E-10	1.16E-09	8.63E-11	1.93E-09	3.88E-10	6.42E-10	2.13E-11	1.05E-09
2138	741174.4	4107461.05	4.53E-09	8.26E-09	4.54E-10	1.32E-08	7.03E-10	1.35E-09	6.80E-11	2.13E-09	6.84E-10	1.17E-09	8.64E-11	1.94E-09	3.89E-10	6.43E-10	2.13E-11	1.05E-09
2139	741198.36	4107456.64	4.55E-09	8.29E-09	4.55E-10	1.33E-08	7.05E-10	1.36E-09	6.82E-11	2.13E-09	6.86E-10	1.17E-09	8.66E-11	1.94E-09	3.90E-10	6.45E-10	2.14E-11	1.06E-09
2140	741222.31	4107452.22	4.57E-09	8.32E-09	4.57E-10	1.33E-08	7.08E-10	1.36E-09	6.85E-11	2.14E-09	6.89E-10	1.17E-09	8.70E-11	1.95E-09	3.91E-10	6.47E-10	2.15E-11	1.06E-09
2141	741246.27	4107447.8	4.59E-09	8.37E-09	4.60E-10	1.34E-08	7.12E-10	1.37E-09	6.89E-11	2.15E-09	6.93E-10	1.18E-09	8.75E-11	1.96E-09	3.94E-10	6.51E-10	2.16E-11	1.07E-09
2142	741270.23	4107443.39	4.62E-09	8.43E-09	4.63E-10	1.35E-08	7.17E-10	1.38E-09	6.94E-11	2.17E-09	6.97E-10	1.19E-09	8.81E-11	1.97E-09	3.96E-10	6.56E-10	2.17E-11	1.07E-09
2143	741294.19	4107438.97	4.66E-09	8.49E-09	4.66E-10	1.36E-08	7.23E-10	1.39E-09	7.00E-11	2.19E-09	7.03E-10	1.20E-09	8.88E-11	1.99E-09	3.99E-10	6.61E-10	2.19E-11	1.08E-09
2144	741318.14	4107434.55	4.71E-09	8.57E-09	4.71E-10	1.37E-08	7.30E-10	1.41E-09	7.06E-11	2.21E-09	7.10E-10	1.21E-09	8.97E-11	2.01E-09	4.03E-10	6.67E-10	2.21E-11	1.09E-09
2145	741342.1	4107430.14	4.75E-09	8.66E-09	4.75E-10	1.39E-08	7.37E-10	1.42E-09	7.13E-11	2.23E-09	7.16E-10	1.22E-09	9.05E-11	2.03E-09	4.07E-10	6.74E-10	2.23E-11	1.10E-09
2146	741366.06	4107425.72	4.80E-09	8.74E-09	4.80E-10	1.40E-08	7.44E-10	1.43E-09	7.20E-11	2.25E-09	7.24E-10	1.23E-09	9.14E-11	2.05E-09	4.11E-10	6.80E-10	2.25E-11	1.11E-09
2147	741390.01	4107421.3	4.85E-09	8.83E-09	4.85E-10	1.42E-08	7.52E-10	1.45E-09	7.28E-11	2.27E-09	7.31E-10	1.25E-09	9.24E-11	2.07E-09	4.15E-10	6.87E-10	2.28E-11	1.13E-09
2148	741413.97	4107416.89	4.90E-09	8.92E-09	4.90E-10	1.43E-08	7.59E-10	1.46E-09	7.35E-11	2.30E-09	7.38E-10	1.26E-09	9.33E-11	2.09E-09	4.20E-10	6.94E-10	2.30E-11	1.14E-09
2149	741437.93	4107412.47	4.94E-09	9.00E-09	4.94E-10	1.44E-08	7.66E-10	1.48E-09	7.42E-11	2.32E-09	7.45E-10	1.27E-09	9.42E-11	2.11E-09	4.23E-10	7.01E-10	2.32E-11	1.15E-09
2150	741461.88	4107408.05	4.98E-09	9.08E-09	4.99E-10	1.46E-08	7.73E-10	1.49E-09	7.48E-11	2.34E-09	7.51E-10	1.28E-09	9.49E-11	2.13E-09	4.27E-10	7.06E-10	2.34E-11	1.16E-09
2151	741485.84	4107403.64	5.02E-09	9.15E-09	5.02E-10	1.47E-08	7.79E-10	1.50E-09	7.54E-11	2.35E-09	7.57E-10	1.29E-09	9.57E-11	2.14E-09	4.30E-10	7.12E-10	2.36E-11	1.17E-09
2152	741509.8	4107399.22	5.05E-09	9.21E-09	5.06E-10	1.48E-08	7.84E-10	1.51E-09	7.59E-11	2.37E-09	7.62E-10	1.30E-09	9.63E-11	2.16E-09	4.33E-10	7.17E-10	2.38E-11	1.17E-09
2153	741533.76	4107394.8	5.08E-09	9.26E-09	5.08E-10	1.48E-08	7.88E-10	1.52E-09	7.62E-11	2.38E-09	7.66E-10	1.31E-09	9.68E-11	2.17E-09	4.35E-10	7.20E-10	2.39E-11	1.18E-09
2154	741557.71	4107390.39	5.10E-09	9.30E-09	5.10E-10	1.49E-08	7.91E-10	1.52E-09	7.66E-11	2.39E-09	7.69E-10	1.31E-09	9.72E-11	2.18E-09	4.37E-10	7.23E-10	2.40E-11	1.18E-09
2155	741581.67	4107385.97	5.12E-09	9.32E-09	5.12E-10	1.50E-08	7.94E-10	1.53E-09	7.68E-11	2.40E-09	7.72E-10	1.32E-09	9.75E-11	2.18E-09	4.38E-10	7.26E-10	2.40E-11	1.19E-09
2156	741605.63	4107381.55	5.13E-09	9.34E-09	5.13E-10	1.50E-08	7.95E-10	1.53E-09	7.70E-11	2.40E-09	7.73E-10	1.32E-09	9.77E-11	2.19E-09	4.39E-10	7.27E-10	2.41E-11	1.19E-09
2157	741629.58	4107377.14	5.13E-09	9.36E-09	5.14E-10	1.50E-08	7.96E-10	1.53E-09	7.71E-11	2.41E-09	7.74E-10	1.32E-09	9.78E-11	2.19E-09	4.40E-10	7.28E-10	2.41E-11	1.19E-09
2158	741653.54	4107372.72	5.14E-09	9.37E-09	5.14E-10	1.50E-08	7.97E-10	1.54E-09	7.72E-11	2.41E-09	7.75E-10	1.32E-09	9.80E-11	2.19E-09	4.40E-10	7.29E-10	2.42E-11	1.19E-09
2159	741677.5	4107368.3	5.15E-09	9.38E-09	5.15E-10	1.50E-08	7.98E-10	1.54E-09	7.72E-11	2.41E-09	7.76E-10	1.32E-09	9.80E-11	2.20E-09	4.41E-10	7.30E-10	2.42E-11	1.19E-09
2160	741701.46	4107363.89	5.15E-09	9.38E-09	5.15E-10	1.50E-08	7.99E-10	1.54E-09	7.73E-11	2.41E-09	7.77E-10	1.32E-09	9.81E-11	2.20E-09	4.41E-10	7.30E-10	2.42E-11	1.20E-09
2161	741725.41	4107359.47	5.16E-09	9.40E-09	5.16E-10	1.51E-08	8.00E-10	1.54E-09	7.74E-11	2.42E-09	7.77E-10	1.33E-09	9.82E-11	2.20E-09	4.42E-10	7.31E-10	2.42E-11	1.20E-09
2162	741749.37	4107355.05	5.16E-09	9.41E-09	5.17E-10	1.51E-08	8.01E-10	1.54E-09	7.75E-11	2.42E-09	7.79E-10	1.33E-09	9.84E-11	2.20E-09	4.43E-10	7.32E-10	2.43E-11	1.20E-09
2163	741773.33	4107350.64	5.18E-09	9.43E-09	5.18E-10	1.51E-08	8.03E-10	1.55E-09	7.77E-11	2.43E-09	7.81E-10	1.33E-09	9.87E-11	2.21E-09	4.44E-10	7.34E-10	2.43E-11	1.20E-09
2164	741797.28	4107346.22	5.19E-09	9.47E-09	5.20E-10	1.52E-08	8.06E-10	1.55E-09	7.80E-11	2.44E-09	7.83E-10	1.34E-09	9.90E-11	2.22E-09	4.45E-10	7.37E-10	2.44E-11	1.21E-09
2165	741821.24	4107341.8	5.22E-09	9.51E-09	5.22E-10	1.52E-08	8.09E-10	1.56E-09	7.83E-11	2.45E-09	7.87E-10	1.34E-09	9.94E-11	2.23E-09	4.47E-10	7.40E-10	2.45E-11	1.21E-09
2166	741845.2	4107337.39	5.24E-09	9.56E-09	5.25E-10	1.53E-08	8.13E-10	1.57E-09	7.87E-11	2.46E-09	7.91E-10	1.35E-09	9.99E-11	2.24E-09	4.49E-10	7.44E-10	2.46E-11	1.22E-09
2167	741869.15	4107332.97	5.28E-09	9.61E-09	5.28E-10	1.54E-08	8.18E-10	1.58E-09	7.92E-11	2.47E-09	7.95E-10	1.36E-09	1.01E-10	2.25E-09	4.52E-10	7.48E-10	2.48E-11	1.22E-09
2168	741893.11	4107328.55	5.31E-09	9.68E-09	5.31E-10	1.55E-08	8.23E-10	1.59E-09	7.97E-11	2.49E-09	8.01E-10	1.36E-09	1.01E-10	2.27E-09	4.55E-10	7.53E-10	2.50E-11	1.23E-09
2169	741917.07	4107324.14	5.35E-09	9.74E-09	5.35E-10	1.56E-08	8.29E-10	1.60E-09	8.02E-11	2.51E-09	8.06E-10	1.37E-09	1.02E-10	2.28E-09	4.58E-10	7.58E-10	2.51E-11	1.24E-09
2170	741941.03	4107319.72	5.38E-09	9.81E-09	5.39E-10	1.57E-08	8.35E-10	1.61E-09	8.08E-11	2.52E-09	8.12E-10	1.38E-09	1.03E-10	2.30E-09	4.61E-10	7.63E-10	2.53E-11	1.25E-09
2171	741964.98	4107315.3	5.42E-09	9.87E-09	5.42E-10	1.58E-08	8.40E-10	1.62E-09	8.13E-11	2.54E-09	8.17E-10	1.39E-09	1.03E-10	2.31E-09	4.64E-10	7.68E-10	2.55E-11	1.26E-09
2172	741988.94	4107310.89	5.45E-09	9.94E-09	5.46E-10	1.59E-08	8.46E-10	1.63E-09	8.18E-11	2.56E-09	8.22E-10	1.40E-09	1.04E-10	2.33E-09	4.67E-10	7.73E-10	2.56E-11	1.27E-09
2173	742012.9	4107306.47	5.48E-09	9.99E-09	5.48E-10	1.60E-08	8.50E-10	1.64E-09	8.23E-11	2.57E-09	8.27E-10	1.41E-09	1.04E-10	2.34E-09	4.70E-10	7.77E-10	2.58E-11	1.27E-09
2174	742036.85	4107302.05	5.51E-09	1.00E-08	5.51E-10	1.61E-08	8.54E-10	1.65E-09	8.27E-11	2.58E-09	8.30E-10	1.42E-09	1.05E-10	2.35E-09	4.72E-10	7.81E-10	2.59E-11	1.28E-09
2175	742060.81	4107297.64	5.52E-09	1.01E-08	5.53E-10	1.61E-08	8.57E-10	1.65E-09	8.29E-11	2.59E-09	8.33E-10	1.42E-09	1.05E-10	2.36E-09	4.73E-10	7.83E-10	2.60E-11	1.28E-09
2176	742084.77	4107293.22	5.53E-09	1.01E-08	5.54E-10	1.62E-08	8.58E-10	1.65E-09	8.30E-11	2.59E-09	8.34E-10	1.42E-09	1.05E-10	2.36E-09	4.74E-10	7.85E-10	2.60E-11	1.28E-09
2177	742108.72	4107288.8	5.54E-09	1.01E-08	5.54E-10	1.62E-08	8.58E-10	1.65E-09	8.31E-11	2.60E-09	8.35E-10	1.42E-09	1.05E-10	2.36E-09	4.74E-10	7.85E-10	2.60E-11	1.29E-09
2178	742132.68	4107284.39	5.53E-09	1.01E-08	5.53E-10	1.61E-08	8.57E-10	1.65E-09	8.29E-11	2.59E-09	8.33E-10	1.42E-09	1.05E-10	2.36E-09	4.74E-10	7.84E-10	2.60E-11	1.28E-09
2179	742156.64	4107279.97	5.51E-09	1.00E-08	5.52E-10	1.61E-08	8.55E-10	1.65E-09	8.27E-11	2.58E-09	8.31E-10	1.42E-09	1.05E-10	2.35E-09	4.72E-10	7.82E-10	2.59E-11	1.28E-09
2180	742180.6	4107275.55	5.49E-09	1.00E-08	5.49E-10	1.60E-08	8.52E-10	1.64E-09	8.24E-11	2.57E-09	8.28E-10	1.41E-09	1.05E-10	2.34E-09	4.71E-10	7.79E-10	2.58E-11	1.28E-09
2181	742204.55	4107271.14	5.47E-09	9.96E-09	5.47E-10	1.60E-08	8.48E-10	1.63E-09	8.20E-11	2.56E-09	8.24E-10	1.41E-09	1.04E-10	2.33E-09	4.68E-10	7.75E-10	2.57E-11	1.27E-09
2182	742228.51	4107266.72	5.43E-09	9.90E-09	5.44E-10	1.59E-08	8.43E-10	1.62E-09	8.15E-11	2.55E-09	8.19E-10	1.40E-09	1.04E-10	2.32E-09	4.66E-10	7.70E-10	2.55E-11	1.26E-09
2183	742252.47	4107262.3	5.40E-09	9.84E-09	5.40E-10	1.58E-08	8.38E-10	1.61E-09	8.11E-11	2.53E-09	8.14E-10	1.39E-09	1.03E-10	2.31E-09	4.63E-10	7.66E-10	2.54E-11	1.25E-09
2184	742276.42	4107257.89	5.36E-09	9.77E-09	5.37E-10	1.57E-08	8.32E-10	1.60E-09	8.05E-11	2.51E-09	8.09E-10	1.38E-09	1.02E-10	2.29E-09	4.60E-10	7.61E-10	2.52E-11	1.25E-09
2185	742300.38	4107253.47	5.33E-09	9.71E-09	5.33E-10	1.56E-08	8.27E-10	1.59E-09	8.00E-11	2.50E-09	8.04E-10	1.37E-09	1.02E-10	2.28E-09	4.57E-10	7.56E-10	2.51E-11	1.24E-09
2186	742324.34	4107249.05	5.30E-09	9.66E-09	5.31E-10	1.55E-08	8.22E-10	1.58E-09	7.96E-11	2.49E-09	8.00E-10	1.36E-09	1.01E-10	2.26E-09	4.54E-10	7.52E-10	2.49E-11	1.23E-09
2187	742348.3	4107244.64	5.28E-09	9.62E-09	5.28E-10	1.54E-08	8.19E-10	1.58E-09	7.92E-11	2.48E-09	7.96E-10	1.36E-09	1.01E-10	2.25E-09	4.52E-10	7.49E-10	2.48E-11	1.23E-09
2188	742372.25	4107240.22	5.26E-09	9.59E-09	5.27E-10	1.54E-08	8.16E-10	1.57E-09	7.90E-11	2.47E-09	7.94E-10	1.35E-09	1.00E-10	2.25E-09	4.51E-10	7.46E-10	2.47E-11	1.22E-09
2189	742396.21	4107235.8	5.26E-09	9.58E-09	5.26E-10	1.54E-08	8.15E-10	1.57E-09	7.89E-11	2.47E-09	7.93E-10	1.35E-09	1.00E-10	2.24E-09	4.51E-10	7.45E-10	2.47E-11	1.22E-09
2190	742420.17	4107231.39	5.26E-09	9.59E-09	5.27E-10	1.54E-08	8.16E-10	1.57E-09	7.90E-11	2.47E-09	7.94E-10	1.35E-09	1.00E-10	2.25E-09	4.51E-10	7.46E-10	2.47E-11	1.22E-09
2191	742444.12	4107226.97	5.28E-09	9.62E-09	5.28E-10	1.54E-08	8.18E-10	1.58E-09	7.92E-11	2.47E-09	7.96E-10	1.36E-09	1.01E-10	2.25E-09	4.52E-10	7.48E-10	2.48E-11	1.23E-09
2192	742468.08	4107222.55	5.30E-09	9.66E-09	5.31E-10	1.55E-08	8.22E-10	1.58E-09	7.96E-11	2.49E-09	8.00E-10	1.36E-09	1.01E-10	2.26E-09	4.54E-10	7.52E-10	2.49E-11	1.23E-09
2193	742492.04	4107218.14	5.34E-09	9.73E-09	5.35E-10	1.56E-08	8.28E-10	1.60E-09	8.02E-11	2.50E-09	8.06E-10	1.37E-09	1.02E-10	2.28E-09	4.58E-10	7.57E-10	2.51E-11	1.24E-09
2194	742515.99	4107213.72	5.39E-09	9.82E-09	5.39E-10	1.58E-08	8.36E-10	1.61E-09	8.09E-11	2.53E-09	8.13E-10	1.39E-09	1.03E-10	2.30E-09	4.62E-10	7.64E-10	2.53E-11	1.25E-09
2195	742539.95	4107209.3	5.45E-09	9.93E-09	5.45E-10	1.59E-08	8.45E-10	1.63E-09	8.18E-11	2.55E-09	8.22E-10	1.40E-09	1.04E-10	2.33E-09	4.67E-10	7.73E-10	2.56E-11	1.27E-09
2196	742563.91	4107204.89	5.52E-09	1.01E-08	5.52E-10	1.61E-08	8.56E-10	1.65E-09	8.28E-11	2.59E-09	8.32E-10	1.42E-09	1.05E-10	2.36E-09	4.73E-10	7.82E-10	2.59E-11	1.28E-09
2197	742587.87	4107200.47	5.59E-09	1.02E-08	5.60E-10	1.63E-08	8.67E-10	1.67E-09	8.40E-11	2.62E-09	8.44E-10	1.44E-09	1.07E-10	2.39E-09	4.79E-10	7.93E-10	2.63E-11	1.30E-09
2198	742611.82	4107196.05	5.67E-09	1.03E-08	5.68E-10	1.66E-08	8.80E-10	1.70E-09	8.52E-11	2.66E-09	8.56E-10	1.46E-09	1.08E-10	2.42E-09	4.86E-10	8.04E-10	2.67E-11	1.32E-09
2199	742655.95	4107205.29	5.91E-09	1.08E-08	5.91E-10	1.73E-08	9.16E-10	1.76E-09	8.87E-11	2.77E-09	8.91E-10	1.52E-09	1.13E-10	2.52E-09	5.06E-10	8.38E-10	2.78E-11	1.37E-09
2200	742676.13	4107218.95	6.06E-09	1.10E-08	6.06E-10	1.77E-08	9.39E-10	1.81E-09	9.09E-11	2.84E-09	9.13E-10	1.56E-09	1.15E-10	2.59E-09	5.19E-10	8.59E-10	2.85E-11	1.41E-09
2201	742696.3	4107232.6	6.20E-09	1.13E-08	6.21E-10	1.81E-08	9.62E-10	1.85E-09	9.31E-11	2.91E-09	9.36E-10	1.60E-09	1.18E-10	2.65E-09	5.32E-10	8.80E-10	2.92E-11	1.44E-09
2202	742716.48	4107246.26	6.35E-09	1.16E-08	6.35E-10	1.86E-08	9.84E-10	1.90E-09	9.53E-11	2.98E-09	9.57E-10	1.63E-09	1.21E-10	2.71E-09	5.44E-10	9.00E-10	2.98E-11	1.47E-09
2203	742736.65	4107259.91	6.49E-09	1.18E-08	6.49E-10	1.90E-08	1.01E-09	1.94E-09	9.74E-11	3.04E-09	9.78E-10	1.67E-09	1.24E-10	2.77E-09	5.56E-10	9.20E-10	3.05E-11	1.51E-09
2204	742756.83	4107273.56	6.61E-09	1.21E-08	6.62E-10	1.93E-08	1.03E-09	1.98E-09	9.93E-11	3.10E-09	9.97E-10	1.70E-09	1.26E-10	2.82E-09	5.67E-10	9.38E-10	3.11E-11	1.54E-09
2205	742777	4107287.22	6.73E-09	1.23E-08	6.73E-10	1.97E-08	1.04E-09	2.01E-09	1.01E-10	3.15E-09	1.01E-09	1.73E-09	1.28E-10	2.87E-09	5.77E-10	9.54E-10	3.16E-11	1.56E-09
2206	742797.17	4107300.87	6.83E-09	1.24E-08	6.84E-10	2.00E-08	1.06E-09	2.04E-09	1.03E-10	3.20E-09	1.03E-09	1.76E-09	1.30E-10	2.92E-09	5.85E-10	9.69E-10	3.21E-11	1.59E-09
2207	742817.35	4107314.53	6.92E-09	1.26E-08	6.92E-10	2.02E-08	1.07E-09	2.07E-09	1.04E-10	3.24E-09	1.04E-09	1.78E-09	1.32E-10	2.95E-09	5.93E-10	9.81E-10	3.25E-11	1.61E-09
2208	742837.52	4107328.18	6.98E-09	1.27E-08	6.99E-10	2.04E-08	1.08E-09	2.09E-09	1.05E-10	3.27E-09	1.05E-09	1.80E-09	1.33E-10	2.98E-09	5.98E-10	9.90E-10	3.28E-11	1.62E-09
2209	742857.7	4107341.84	7.03E-09	1.28E-08	7.03E-10	2.05E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.00E-09	6.02E-10	9.97E-10	3.30E-11	1.63E-09
2210	742877.87	4107355.49	7.06E-09	1.29E-08	7.06E-10	2.06E-08	1.09E-09	2.11E-09	1.06E-10	3.31E-09	1.06E-09	1.81E-09	1.34E-10	3.01E-09	6.05E-10	1.00E-09	3.32E-11	1.64E-09
2211	742898.05	4107369.15	7.07E-09	1.29E-08	7.07E-10	2.07E-08	1.10E-09	2.11E-09	1.06E-10	3.31E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.06E-10	1.00E-09	3.32E-11	1.64E-09
2212	742918.22	4107382.8	7.06E-09	1.29E-08	7.06E-10	2.06E-08	1.09E-09	2.11E-09	1.06E-10	3.31E-09	1.06E-09	1.82E-09	1.35E-10	3.01E-09	6.05E-10	1.00E-09	3.32E-11	1.64E-09
2213	742938.39	4107396.45	7.04E-09	1.28E-08	7.05E-10	2.06E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.01E-09	6.03E-10	9.98E-10	3.31E-11	1.63E-09
2214	742958.57	4107410.11	7.01E-09	1.28E-08	7.02E-10	2.05E-08	1.09E-09	2.10E-09	1.05E-10	3.29E-09	1.06E-09	1.80E-09	1.34E-10	2.99E-09	6.01E-10	9.94E-10	3.30E-11	1.63E-09
2215	742978.74	4107423.76	6.98E-09	1.27E-08	6.98E-10	2.04E-08	1.08E-09	2.08E-09	1.05E-10	3.27E-09	1.05E-09	1.79E-09	1.33E-10	2.98E-09	5.98E-10	9.89E-10	3.28E-11	1.62E-09
2216	742998.92	4107437.42	6.94E-09	1.27E-08	6.95E-10	2.03E-08	1.08E-09	2.07E-09	1.04E-10	3.26E-09	1.05E-09	1.79E-09	1.32E-10	2.96E-09	5.95E-10	9.85E-10	3.26E-11	1.61E-09
2217	743019.09	4107451.07	6.91E-09	1.26E-08	6.92E-10	2.02E-08	1.07E-09	2.06E-09	1.04E-10	3.24E-09	1.04E-09	1.78E-09	1.32E-10	2.95E-09	5.92E-10	9.80E-10	3.25E-11	1.60E-09
2218	743039.27	4107464.73	6.89E-09	1.26E-08	6.89E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.90E-10	9.77E-10	3.24E-11	1.60E-09
2219	743059.44	4107478.38	6.88E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.89E-10	9.75E-10	3.23E-11	1.60E-09
2220	743079.61	4107492.04	6.88E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.90E-10	9.76E-10	3.23E-11	1.60E-09
2221	743099.79	4107505.69	6.90E-09	1.26E-08	6.91E-10	2.02E-08	1.07E-09	2.06E-09	1.04E-10	3.24E-09	1.04E-09	1.77E-09	1.32E-10	2.95E-09	5.91E-10	9.79E-10	3.24E-11	1.60E-09

2222	743119.96	4107519.34	6.94E-09	1.26E-08	6.95E-10	2.03E-08	1.08E-09	2.07E-09	1.04E-10	3.25E-09	1.05E-09	1.78E-09	1.32E-10	2.96E-09	5.95E-10	9.84E-10	3.26E-11	1.61E-09
2223	743140.14	4107533	7.00E-09	1.28E-08	7.00E-10	2.05E-08	1.09E-09	2.09E-09	1.05E-10	3.28E-09	1.06E-09	1.80E-09	1.33E-10	2.99E-09	6.00E-10	9.92E-10	3.29E-11	1.62E-09
2224	743160.31	4107546.65	7.07E-09	1.29E-08	7.07E-10	2.07E-08	1.10E-09	2.11E-09	1.06E-10	3.31E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.06E-10	1.00E-09	3.32E-11	1.64E-09
2225	743180.49	4107560.31	7.16E-09	1.30E-08	7.16E-10	2.09E-08	1.11E-09	2.14E-09	1.07E-10	3.36E-09	1.08E-09	1.84E-09	1.36E-10	3.06E-09	6.13E-10	1.01E-09	3.36E-11	1.66E-09
2226	743200.66	4107573.96	7.25E-09	1.32E-08	7.26E-10	2.12E-08	1.12E-09	2.17E-09	1.09E-10	3.40E-09	1.09E-09	1.86E-09	1.38E-10	3.10E-09	6.22E-10	1.03E-09	3.41E-11	1.68E-09
2227	743220.83	4107587.62	7.36E-09	1.34E-08	7.36E-10	2.15E-08	1.14E-09	2.20E-09	1.10E-10	3.45E-09	1.11E-09	1.89E-09	1.40E-10	3.14E-09	6.31E-10	1.04E-09	3.46E-11	1.71E-09
2228	743241.01	4107601.27	7.47E-09	1.36E-08	7.48E-10	2.18E-08	1.16E-09	2.23E-09	1.12E-10	3.50E-09	1.13E-09	1.92E-09	1.42E-10	3.19E-09	6.40E-10	1.06E-09	3.51E-11	1.74E-09
2229	743261.18	4107614.93	7.59E-09	1.38E-08	7.59E-10	2.22E-08	1.18E-09	2.27E-09	1.14E-10	3.56E-09	1.14E-09	1.95E-09	1.45E-10	3.24E-09	6.50E-10	1.08E-09	3.57E-11	1.76E-09
2230	743281.36	4107628.58	7.71E-09	1.40E-08	7.71E-10	2.25E-08	1.20E-09	2.30E-09	1.16E-10	3.61E-09	1.16E-09	1.98E-09	1.47E-10	3.29E-09	6.61E-10	1.09E-09	3.62E-11	1.79E-09
2231	743301.53	4107642.23	7.83E-09	1.43E-08	7.84E-10	2.29E-08	1.21E-09	2.34E-09	1.18E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.71E-10	1.11E-09	3.68E-11	1.82E-09
2232	743321.71	4107655.89	7.96E-09	1.45E-08	7.96E-10	2.33E-08	1.23E-09	2.38E-09	1.19E-10	3.73E-09	1.20E-09	2.05E-09	1.52E-10	3.40E-09	6.82E-10	1.13E-09	3.74E-11	1.85E-09
2233	743341.88	4107669.54	8.09E-09	1.47E-08	8.09E-10	2.36E-08	1.25E-09	2.42E-09	1.21E-10	3.79E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.93E-10	1.15E-09	3.80E-11	1.88E-09
2234	743362.05	4107683.2	8.22E-09	1.50E-08	8.23E-10	2.40E-08	1.27E-09	2.46E-09	1.23E-10	3.85E-09	1.24E-09	2.11E-09	1.57E-10	3.51E-09	7.04E-10	1.17E-09	3.86E-11	1.91E-09
2235	743382.23	4107696.85	8.36E-09	1.52E-08	8.37E-10	2.44E-08	1.30E-09	2.50E-09	1.26E-10	3.92E-09	1.26E-09	2.15E-09	1.59E-10	3.57E-09	7.17E-10	1.19E-09	3.93E-11	1.94E-09
2236	743402.4	4107710.51	8.52E-09	1.55E-08	8.52E-10	2.49E-08	1.32E-09	2.54E-09	1.28E-10	3.99E-09	1.28E-09	2.19E-09	1.62E-10	3.64E-09	7.30E-10	1.21E-09	4.00E-11	1.98E-09
2237	743422.58	4107724.16	8.67E-09	1.58E-08	8.68E-10	2.53E-08	1.34E-09	2.59E-09	1.30E-10	4.07E-09	1.31E-09	2.23E-09	1.65E-10	3.70E-09	7.43E-10	1.23E-09	4.08E-11	2.01E-09
2238	743442.75	4107737.82	8.84E-09	1.61E-08	8.84E-10	2.58E-08	1.37E-09	2.64E-09	1.33E-10	4.14E-09	1.33E-09	2.27E-09	1.68E-10	3.77E-09	7.57E-10	1.25E-09	4.15E-11	2.05E-09
2239	743462.93	4107751.47	9.01E-09	1.64E-08	9.02E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.23E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.72E-10	1.28E-09	4.24E-11	2.09E-09
2240	743483.1	4107765.13	9.20E-09	1.68E-08	9.20E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.31E-09	1.39E-09	2.36E-09	1.75E-10	3.93E-09	7.88E-10	1.30E-09	4.32E-11	2.14E-09
2241	743503.27	4107778.78	9.39E-09	1.71E-08	9.40E-10	2.74E-08	1.46E-09	2.81E-09	1.41E-10	4.40E-09	1.42E-09	2.41E-09	1.79E-10	4.01E-09	8.05E-10	1.33E-09	4.41E-11	2.18E-09
2242	743523.45	4107792.43	9.59E-09	1.75E-08	9.60E-10	2.80E-08	1.49E-09	2.87E-09	1.44E-10	4.50E-09	1.45E-09	2.47E-09	1.83E-10	4.10E-09	8.22E-10	1.36E-09	4.51E-11	2.23E-09
2243	743543.62	4107806.09	9.80E-09	1.79E-08	9.80E-10	2.86E-08	1.52E-09	2.93E-09	1.47E-10	4.59E-09	1.48E-09	2.52E-09	1.87E-10	4.18E-09	8.39E-10	1.39E-09	4.60E-11	2.27E-09
2244	743563.8	4107819.74	1.00E-08	1.82E-08	1.00E-09	2.92E-08	1.55E-09	2.99E-09	1.50E-10	4.69E-09	1.51E-09	2.57E-09	1.91E-10	4.27E-09	8.57E-10	1.42E-09	4.70E-11	2.32E-09
2245	743583.97	4107833.4	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.79E-09	1.54E-09	2.62E-09	1.95E-10	4.36E-09	8.75E-10	1.45E-09	4.80E-11	2.37E-09
2246	743604.15	4107847.05	1.04E-08	1.90E-08	1.04E-09	3.04E-08	1.62E-09	3.11E-09	1.56E-10	4.88E-09	1.57E-09	2.68E-09	1.99E-10	4.45E-09	8.93E-10	1.48E-09	4.90E-11	2.42E-09
2247	743624.32	4107860.71	1.06E-08	1.94E-08	1.06E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	4.98E-09	1.60E-09	2.73E-09	2.03E-10	4.54E-09	9.11E-10	1.51E-09	4.99E-11	2.47E-09
2248	743644.49	4107874.36	1.08E-08	1.98E-08	1.08E-09	3.17E-08	1.68E-09	3.24E-09	1.63E-10	5.08E-09	1.63E-09	2.79E-09	2.07E-10	4.63E-09	9.29E-10	1.54E-09	5.09E-11	2.52E-09
2249	743664.67	4107888.02	1.11E-08	2.01E-08	1.11E-09	3.23E-08	1.71E-09	3.30E-09	1.66E-10	5.18E-09	1.67E-09	2.84E-09	2.11E-10	4.72E-09	9.47E-10	1.57E-09	5.20E-11	2.57E-09
2250	743684.84	4107901.67	1.13E-08	2.05E-08	1.13E-09	3.29E-08	1.75E-09	3.37E-09	1.69E-10	5.28E-09	1.70E-09	2.90E-09	2.15E-10	4.81E-09	9.66E-10	1.60E-09	5.30E-11	2.62E-09
2251	743705.02	4107915.32	1.15E-08	2.09E-08	1.15E-09	3.36E-08	1.78E-09	3.43E-09	1.72E-10	5.39E-09	1.73E-09	2.95E-09	2.19E-10	4.90E-09	9.84E-10	1.63E-09	5.40E-11	2.67E-09
2252	743725.19	4107928.98	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.82E-09	3.50E-09	1.76E-10	5.49E-09	1.77E-09	3.01E-09	2.23E-10	5.00E-09	1.00E-09	1.66E-09	5.50E-11	2.72E-09
2253	743745.37	4107942.63	1.19E-08	2.17E-08	1.19E-09	3.49E-08	1.85E-09	3.56E-09	1.79E-10	5.59E-09	1.80E-09	3.07E-09	2.27E-10	5.09E-09	1.02E-09	1.69E-09	5.61E-11	2.77E-09
2254	743765.54	4107956.29	1.21E-08	2.21E-08	1.22E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
2255	743785.71	4107969.94	1.24E-08	2.25E-08	1.24E-09	3.61E-08	1.92E-09	3.69E-09	1.85E-10	5.79E-09	1.86E-09	3.18E-09	2.35E-10	5.27E-09	1.06E-09	1.75E-09	5.80E-11	2.87E-09
2256	743805.89	4107983.6	1.26E-08	2.29E-08	1.26E-09	3.67E-08	1.95E-09	3.75E-09	1.88E-10	5.89E-09	1.89E-09	3.23E-09	2.39E-10	5.36E-09	1.08E-09	1.78E-09	5.90E-11	2.92E-09
2257	743826.06	4107997.25	1.28E-08	2.32E-08	1.28E-09	3.73E-08	1.98E-09	3.81E-09	1.91E-10	5.98E-09	1.92E-09	3.28E-09	2.43E-10	5.45E-09	1.09E-09	1.81E-09	5.99E-11	2.96E-09
2258	743846.24	4108010.91	1.29E-08	2.36E-08	1.29E-09	3.78E-08	2.01E-09	3.86E-09	1.94E-10	6.06E-09	1.95E-09	3.32E-09	2.46E-10	5.52E-09	1.11E-09	1.83E-09	6.08E-11	3.00E-09
2259	743866.41	4108024.56	1.31E-08	2.39E-08	1.31E-09	3.83E-08	2.03E-09	3.91E-09	1.97E-10	6.14E-09	1.97E-09	3.37E-09	2.49E-10	5.59E-09	1.12E-09	1.86E-09	6.15E-11	3.04E-09
2260	743886.59	4108038.21	1.32E-08	2.41E-08	1.32E-09	3.87E-08	2.05E-09	3.95E-09	1.99E-10	6.21E-09	2.00E-09	3.40E-09	2.52E-10	5.65E-09	1.13E-09	1.88E-09	6.22E-11	3.07E-09
2261	743906.76	4108051.87	1.34E-08	2.43E-08	1.34E-09	3.90E-08	2.07E-09	3.99E-09	2.00E-10	6.26E-09	2.01E-09	3.43E-09	2.55E-10	5.70E-09	1.14E-09	1.89E-09	6.28E-11	3.10E-09
2262	743926.93	4108065.52	1.35E-08	2.45E-08	1.35E-09	3.93E-08	2.09E-09	4.02E-09	2.02E-10	6.31E-09	2.03E-09	3.46E-09	2.56E-10	5.74E-09	1.15E-09	1.91E-09	6.32E-11	3.12E-09
2263	743947.11	4108079.18	1.35E-08	2.47E-08	1.35E-09	3.95E-08	2.10E-09	4.04E-09	2.03E-10	6.34E-09	2.04E-09	3.48E-09	2.58E-10	5.78E-09	1.16E-09	1.92E-09	6.36E-11	3.14E-09
2264	743967.28	4108092.83	1.36E-08	2.47E-08	1.36E-09	3.97E-08	2.11E-09	4.06E-09	2.04E-10	6.37E-09	2.05E-09	3.49E-09	2.59E-10	5.80E-09	1.16E-09	1.93E-09	6.38E-11	3.15E-09
2265	743987.46	4108106.49	1.36E-08	2.48E-08	1.36E-09	3.98E-08	2.11E-09	4.07E-09	2.04E-10	6.39E-09	2.05E-09	3.50E-09	2.60E-10	5.82E-09	1.17E-09	1.93E-09	6.40E-11	3.16E-09
2266	744007.63	4108120.14	1.37E-08	2.49E-08	1.37E-09	3.99E-08	2.12E-09	4.08E-09	2.05E-10	6.40E-09	2.06E-09	3.51E-09	2.60E-10	5.83E-09	1.17E-09	1.94E-09	6.42E-11	3.17E-09
2267	744027.81	4108133.8	1.37E-08	2.49E-08	1.37E-09	4.00E-08	2.12E-09	4.09E-09	2.05E-10	6.42E-09	2.06E-09	3.52E-09	2.61E-10	5.84E-09	1.17E-09	1.94E-09	6.43E-11	3.18E-09
2268	744047.98	4108147.45	1.37E-08	2.50E-08	1.37E-09	4.01E-08	2.13E-09	4.10E-09	2.06E-10	6.43E-09	2.07E-09	3.53E-09	2.61E-10	5.86E-09	1.18E-09	1.95E-09	6.45E-11	3.19E-09
2269	744068.15	4108161.1	1.38E-08	2.51E-08	1.38E-09	4.02E-08	2.13E-09	4.11E-09	2.07E-10	6.45E-09	2.08E-09	3.54E-09	2.62E-10	5.88E-09	1.18E-09	1.95E-09	6.47E-11	3.20E-09
2270	744088.33	4108174.76	1.38E-08	2.52E-08	1.38E-09	4.04E-08	2.14E-09	4.13E-09	2.07E-10	6.48E-09	2.08E-09	3.55E-09	2.63E-10	5.90E-09	1.18E-09	1.96E-09	6.50E-11	3.21E-09
2271	744108.5	4108188.41	1.39E-08	2.53E-08	1.39E-09	4.06E-08	2.16E-09	4.15E-09	2.09E-10	6.52E-09	2.10E-09	3.57E-09	2.65E-10	5.93E-09	1.19E-09	1.97E-09	6.53E-11	3.23E-09
2272	744128.68	4108202.07	1.40E-08	2.55E-08	1.40E-09	4.09E-08	2.17E-09	4.18E-09	2.10E-10	6.56E-09	2.11E-09	3.60E-09	2.67E-10	5.98E-09	1.20E-09	1.98E-09	6.58E-11	3.25E-09
2273	744148.85	4108215.72	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.19E-09	4.22E-09	2.12E-10	6.61E-09	2.13E-09	3.63E-09	2.69E-10	6.02E-09	1.21E-09	2.00E-09	6.63E-11	3.28E-09
2274	744169.03	4108229.38	1.42E-08	2.59E-08	1.42E-09	4.16E-08	2.21E-09	4.25E-09	2.14E-10	6.67E-09	2.15E-09	3.66E-09	2.71E-10	6.08E-09	1.22E-09	2.02E-09	6.69E-11	3.31E-09
2275	744189.2	4108243.03	1.44E-08	2.62E-08	1.44E-09	4.20E-08	2.23E-09	4.29E-09	2.16E-10	6.74E-09	2.17E-09	3.70E-09	2.74E-10	6.14E-09	1.23E-09	2.04E-09	6.76E-11	3.34E-09
2276	744209.37	4108256.69	1.45E-08	2.65E-08	1.45E-09	4.24E-08	2.25E-09	4.34E-09	2.18E-10	6.81E-09	2.19E-09	3.73E-09	2.77E-10	6.20E-09	1.24E-09	2.06E-09	6.82E-11	3.37E-09
2277	744229.55	4108270.34	1.47E-08	2.67E-08	1.47E-09	4.29E-08	2.27E-09	4.38E-09	2.20E-10	6.87E-09	2.21E-09	3.77E-09	2.79E-10	6.26E-09	1.26E-09	2.08E-09	6.89E-11	3.40E-09
2278	744249.72	4108283.99	1.48E-08	2.70E-08	1.48E-09	4.32E-08	2.30E-09	4.42E-09	2.22E-10	6.94E-09	2.23E-09	3.80E-09	2.82E-10	6.32E-09	1.27E-09	2.10E-09	6.96E-11	3.44E-09
2279	744269.9	4108297.65	1.49E-08	2.72E-08	1.49E-09	4.36E-08	2.31E-09	4.46E-09	2.24E-10	7.00E-09	2.25E-09	3.84E-09	2.84E-10	6.37E-09	1.28E-09	2.12E-09	7.01E-11	3.46E-09
2280	744290.07	4108311.3	1.50E-08	2.74E-08	1.50E-09	4.39E-08	2.33E-09	4.49E-09	2.26E-10	7.05E-09	2.27E-09	3.86E-09	2.86E-10	6.42E-09	1.29E-09	2.13E-09	7.06E-11	3.49E-09
2281	744310.25	4108324.96	1.51E-08	2.75E-08	1.51E-09	4.42E-08	2.34E-09	4.52E-09	2.27E-10	7.09E-09	2.28E-09	3.89E-09	2.88E-10	6.45E-09	1.30E-09	2.14E-09	7.10E-11	3.51E-09
2282	740623.39	4107562.64	4.27E-09	7.77E-09	4.27E-10	1.25E-08	6.61E-10	1.27E-09	6.40E-11	2.00E-09	6.43E-10	1.10E-09	8.13E-11	1.82E-09	3.65E-10	6.05E-10	2.00E-11	9.90E-10
2283	740602.75	4107575.89	4.30E-09	7.84E-09	4.31E-10	1.26E-08	6.67E-10	1.29E-09	6.46E-11	2.02E-09	6.49E-10	1.11E-09	8.20E-11	1.84E-09	3.69E-10	6.10E-10	2.02E-11	9.99E-10
2284	740582.11	4107589.15	4.35E-09	7.93E-09	4.36E-10	1.27E-08	6.75E-10	1.30E-09	6.53E-11	2.04E-09	6.57E-10	1.12E-09	8.30E-11	1.86E-09	3.73E-10	6.17E-10	2.05E-11	1.01E-09
2285	740561.47	4107602.41	4.41E-09	8.04E-09	4.42E-10	1.29E-08	6.84E-10	1.32E-09	6.62E-11	2.07E-09	6.65E-10	1.13E-09	8.41E-11	1.88E-09	3.78E-10	6.26E-10	2.07E-11	1.02E-09
2286	740540.84	4107615.66	4.48E-09	8.17E-09	4.48E-10	1.31E-08	6.95E-10	1.34E-09	6.73E-11	2.10E-09	6.76E-10	1.15E-09	8.54E-11	1.91E-09	3.84E-10	6.35E-10	2.11E-11	1.04E-09
2287	740520.2	4107628.92	4.56E-09	8.30E-09	4.56E-10	1.33E-08	7.06E-10	1.36E-09	6.84E-11	2.14E-09	6.87E-10	1.17E-09	8.68E-11	1.94E-09	3.90E-10	6.46E-10	2.14E-11	1.06E-09
2288	740499.56	4107642.18	4.64E-09	8.45E-09	4.64E-10	1.35E-08	7.19E-10	1.38E-09	6.96E-11	2.17E-09	6.99E-10	1.19E-09	8.83E-11	1.98E-09	3.97E-10	6.57E-10	2.18E-11	1.08E-09
2289	740431.28	4107221.65	3.45E-09	6.28E-09	3.45E-10	1.01E-08	5.35E-10	1.03E-09	5.18E-11	1.62E-09	5.20E-10	8.86E-10	6.57E-11	1.47E-09	2.95E-10	4.89E-10	1.62E-11	8.01E-10
2290	740455.35	4107217.21	3.45E-09	6.28E-09	3.45E-10	1.01E-08	5.34E-10	1.03E-09	5.17E-11	1.62E-09	5.20E-10	8.86E-10	6.57E-11	1.47E-09	2.95E-10	4.89E-10	1.62E-11	8.00E-10
2291	740479.41	4107212.77	3.45E-09	6.29E-09	3.45E-10	1.01E-08	5.35E-10	1.03E-09	5.18E-11	1.62E-09	5.20E-10	8.87E-10	6.57E-11	1.47E-09	2.96E-10	4.89E-10	1.62E-11	8.01E-10
2292	740503.48	4107208.34	3.46E-09	6.31E-09	3.46E-10	1.01E-08	5.37E-10	1.03E-09	5.19E-11	1.62E-09	5.22E-10	8.90E-10	6.60E-11	1.48E-09	2.97E-10	4.91E-10	1.63E-11	8.04E-10
2293	740527.55	4107203.9	3.48E-09	6.34E-09	3.48E-10	1.02E-08	5.39E-10	1.04E-09	5.22E-11	1.63E-09	5.25E-10	8.94E-10	6.63E-11	1.48E-09	2.98E-10	4.93E-10	1.63E-11	8.08E-10
2294	740551.62	4107199.46	3.50E-09	6.38E-09	3.50E-10	1.02E-08	5.43E-10	1.05E-09	5.25E-11	1.64E-09	5.28E-10	9.00E-10	6.67E-11	1.49E-09	3.00E-10	4.96E-10	1.64E-11	8.13E-10
2295	740575.69	4107195.02	3.53E-09	6.43E-09	3.53E-10	1.03E-08	5.47E-10	1.05E-09	5.29E-11	1.65E-09	5.32E-10	9.06E-10	6.72E-11	1.51E-09	3.02E-10	5.00E-10	1.66E-11	8.19E-10
2296	740599.75	4107190.59	3.55E-09	6.48E-09	3.56E-10	1.04E-08	5.51E-10	1.06E-09	5.33E-11	1.67E-09	5.36E-10	9.14E-10	6.77E-11	1.52E-09	3.05E-10	5.04E-10	1.67E-11	8.25E-10
2297	740623.82	4107186.15	3.58E-09	6.53E-09	3.59E-10	1.05E-08	5.56E-10	1.07E-09	5.38E-11	1.68E-09	5.41E-10	9.21E-10	6.83E-11	1.53E-09	3.07E-10	5.08E-10	1.68E-11	8.32E-10
2298	740647.89	4107181.71	3.61E-09	6.58E-09	3.61E-10	1.06E-08	5.60E-10	1.08E-09	5.42E-11	1.69E-09	5.45E-10	9.29E-10	6.88E-11	1.54E-09	3.10E-10	5.12E-10	1.70E-11	8.39E-10
2299	740671.96	4107177.28	3.64E-09	6.64E-09	3.65E-10	1.06E-08	5.65E-10	1.09E-09	5.47E-11	1.71E-09	5.49E-10	9.37E-10	6.94E-11	1.56E-09	3.12E-10	5.17E-10	1.71E-11	8.46E-10
2300	740696.03	4107172.84	3.67E-09	6.69E-09	3.67E-10	1.07E-08	5.69E-10	1.10E-09	5.51E-11	1.72E-09	5.53E-10	9.43E-10	6.99E-11	1.57E-09	3.14E-10	5.20E-10	1.72E-11	8.52E-10
2301	740720.09	4107168.4	3.69E-09	6.73E-09	3.69E-10	1.08E-08	5.72E-10	1.10E-09	5.54E-11	1.73E-09	5.57E-10	9.49E-10	7.03E-11	1.58E-09	3.16E-10	5.23E-10	1.73E-11	8.57E-10
2302	740744.16	4107163.96	3.71E-09	6.76E-09	3.71E-10	1.08E-08	5.75E-10	1.11E-09	5.57E-11	1.74E-09	5.60E-10	9.54E-10	7.07E-11	1.58E-09	3.18E-10	5.26E-10	1.74E-11	8.61E-10
2303	740768.23	4107159.53	3.73E-09	6.79E-09	3.73E-10	1.09E-08	5.78E-10	1.11E-09	5.59E-11	1.75E-09	5.62E-10	9.58E-10	7.10E-11	1.59E-09	3.19E-10	5.28E-10	1.75E-11	8.65E-10
2304	740792.3	4107155.09	3.74E-09	6.81E-09	3.74E-10	1.09E-08	5.79E-10	1.12E-09	5.61E-11	1.75E-09	5.63E-10	9.60E-10	7.12E-11	1.60E-09	3.20E-10	5.30E-10	1.76E-11	8.67E-10
2305	740816.37	4107150.65	3.74E-09	6.82E-09	3.74E-10	1.09E-08	5.80E-10	1.12E-09	5.61E-11	1.75E-09	5.64E-10	9.62E-10	7.13E-11	1.60E-09	3.21E-10	5.30E-10	1.76E-11	8.68E-10
2306	740840.43	4107146.22	3.74E-09	6.82E-09	3.74E-10	1.09E-08	5.80E-10	1.12E-09	5.61E-11	1.75E-09	5.64E-10	9.62E-10	7.13E-11	1.60E-09	3.21E-10	5.30E-10	1.76E-11	8.68E-10
2307	740864.5	4107141.78	3.74E-09	6.81E-09	3.74E-10	1.09E-08	5.79E-10	1.12E-09	5.61E-11	1.75E-09	5.63E-10	9.60E-10	7.12E-11	1.60E-09	3.20E-10	5.30E-10	1.76E-11	8.67E-10
2308	740888.57	4107137.34	3.73E-09	6.80E-09	3.73E-10	1.09E-08	5.78E-10	1.11E-09	5.60E-11	1.75E-09	5.62E-10	9.59E-10	7.11E-11	1.59E-09	3.20E-10	5.29E-10	1.75E-11	8.66E-10
2309	740912.64	4107132.91	3.72E-09	6.78E-09	3.72E-10	1.09E-08	5.77E-10	1.11E-09	5.58E-11	1.74E-09	5.61E-10	9.57E-10	7.09E-11	1.59E-09	3.19E-10	5.28E-10	1.75E-11	8.64E-10
2310	740936.71	4107128.47	3.71E-09	6.76E-09	3.71E-10	1.08E-08	5.75E-10	1.11E-09	5.57E-11	1.74E-09	5.60E-10	9.54E-10	7.07E-11	1.58E-09	3.18E-10	5.26E-10	1.74E-11	8.61E-10

2311	740960.77	4107124.03	3.70E-09	6.74E-09	3.70E-10	1.08E-08	5.74E-10	1.11E-09	5.55E-11	1.73E-09	5.58E-10	9.51E-10	7.05E-11	1.58E-09	3.17E-10	5.25E-10	1.74E-11	8.59E-10
2312	740984.84	4107119.59	3.69E-09	6.73E-09	3.69E-10	1.08E-08	5.72E-10	1.10E-09	5.54E-11	1.73E-09	5.57E-10	9.49E-10	7.03E-11	1.58E-09	3.16E-10	5.23E-10	1.73E-11	8.57E-10
2313	741008.91	4107115.16	3.68E-09	6.71E-09	3.69E-10	1.08E-08	5.71E-10	1.10E-09	5.53E-11	1.73E-09	5.56E-10	9.47E-10	7.02E-11	1.57E-09	3.16E-10	5.22E-10	1.73E-11	8.55E-10
2314	741032.98	4107110.72	3.68E-09	6.71E-09	3.68E-10	1.08E-08	5.71E-10	1.10E-09	5.53E-11	1.73E-09	5.55E-10	9.47E-10	7.02E-11	1.57E-09	3.16E-10	5.22E-10	1.73E-11	8.55E-10
2315	741057.04	4107106.28	3.68E-09	6.71E-09	3.69E-10	1.08E-08	5.71E-10	1.10E-09	5.53E-11	1.73E-09	5.56E-10	9.47E-10	7.02E-11	1.57E-09	3.16E-10	5.22E-10	1.73E-11	8.55E-10
2316	741081.11	4107101.85	3.69E-09	6.73E-09	3.69E-10	1.08E-08	5.72E-10	1.10E-09	5.54E-11	1.73E-09	5.57E-10	9.49E-10	7.03E-11	1.58E-09	3.16E-10	5.23E-10	1.73E-11	8.57E-10
2317	741105.18	4107097.41	3.70E-09	6.75E-09	3.71E-10	1.08E-08	5.74E-10	1.11E-09	5.56E-11	1.74E-09	5.59E-10	9.52E-10	7.06E-11	1.58E-09	3.17E-10	5.25E-10	1.74E-11	8.60E-10
2318	741129.25	4107092.97	3.72E-09	6.78E-09	3.72E-10	1.09E-08	5.77E-10	1.11E-09	5.58E-11	1.74E-09	5.61E-10	9.57E-10	7.09E-11	1.59E-09	3.19E-10	5.28E-10	1.75E-11	8.64E-10
2319	741153.32	4107088.53	3.75E-09	6.82E-09	3.75E-10	1.09E-08	5.81E-10	1.12E-09	5.62E-11	1.76E-09	5.65E-10	9.63E-10	7.14E-11	1.60E-09	3.21E-10	5.31E-10	1.76E-11	8.69E-10
2320	741177.38	4107084.1	3.77E-09	6.88E-09	3.78E-10	1.10E-08	5.85E-10	1.13E-09	5.66E-11	1.77E-09	5.69E-10	9.70E-10	7.19E-11	1.61E-09	3.23E-10	5.35E-10	1.77E-11	8.76E-10
2321	741201.45	4107079.66	3.81E-09	6.93E-09	3.81E-10	1.11E-08	5.90E-10	1.14E-09	5.71E-11	1.78E-09	5.74E-10	9.78E-10	7.25E-11	1.62E-09	3.26E-10	5.40E-10	1.79E-11	8.84E-10
2322	741225.52	4107075.22	3.84E-09	7.01E-09	3.85E-10	1.12E-08	5.96E-10	1.15E-09	5.77E-11	1.80E-09	5.80E-10	9.88E-10	7.33E-11	1.64E-09	3.29E-10	5.45E-10	1.81E-11	8.93E-10
2323	741249.59	4107070.79	3.88E-09	7.08E-09	3.89E-10	1.13E-08	6.02E-10	1.16E-09	5.83E-11	1.82E-09	5.86E-10	9.98E-10	7.40E-11	1.66E-09	3.33E-10	5.51E-10	1.83E-11	9.02E-10
2324	741273.66	4107066.35	3.93E-09	7.16E-09	3.93E-10	1.15E-08	6.09E-10	1.17E-09	5.89E-11	1.84E-09	5.92E-10	1.01E-09	7.48E-11	1.68E-09	3.37E-10	5.57E-10	1.85E-11	9.12E-10
2325	741297.72	4107061.91	3.97E-09	7.23E-09	3.97E-10	1.16E-08	6.16E-10	1.19E-09	5.96E-11	1.86E-09	5.99E-10	1.02E-09	7.57E-11	1.70E-09	3.40E-10	5.63E-10	1.87E-11	9.22E-10
2326	741321.79	4107057.47	4.01E-09	7.31E-09	4.02E-10	1.17E-08	6.22E-10	1.20E-09	6.02E-11	1.88E-09	6.05E-10	1.03E-09	7.65E-11	1.71E-09	3.44E-10	5.69E-10	1.89E-11	9.32E-10
2327	741345.86	4107053.04	4.05E-09	7.39E-09	4.06E-10	1.18E-08	6.29E-10	1.21E-09	6.09E-11	1.90E-09	6.11E-10	1.04E-09	7.73E-11	1.73E-09	3.47E-10	5.75E-10	1.91E-11	9.41E-10
2328	741369.93	4107048.6	4.09E-09	7.46E-09	4.10E-10	1.20E-08	6.35E-10	1.22E-09	6.14E-11	1.92E-09	6.17E-10	1.05E-09	7.80E-11	1.75E-09	3.51E-10	5.80E-10	1.92E-11	9.51E-10
2329	741394	4107044.16	4.13E-09	7.52E-09	4.13E-10	1.21E-08	6.40E-10	1.23E-09	6.20E-11	1.94E-09	6.23E-10	1.06E-09	7.87E-11	1.76E-09	3.54E-10	5.85E-10	1.94E-11	9.59E-10
2330	741418.06	4107039.73	4.16E-09	7.58E-09	4.16E-10	1.22E-08	6.45E-10	1.24E-09	6.25E-11	1.95E-09	6.27E-10	1.07E-09	7.93E-11	1.78E-09	3.57E-10	5.90E-10	1.96E-11	9.66E-10
2331	741442.13	4107035.29	4.19E-09	7.63E-09	4.19E-10	1.22E-08	6.49E-10	1.25E-09	6.28E-11	1.96E-09	6.31E-10	1.08E-09	7.97E-11	1.79E-09	3.59E-10	5.93E-10	1.97E-11	9.72E-10
2332	741466.2	4107030.85	4.21E-09	7.67E-09	4.21E-10	1.23E-08	6.52E-10	1.26E-09	6.31E-11	1.97E-09	6.34E-10	1.08E-09	8.02E-11	1.80E-09	3.60E-10	5.96E-10	1.98E-11	9.77E-10
2333	741490.27	4107026.41	4.22E-09	7.69E-09	4.22E-10	1.23E-08	6.54E-10	1.26E-09	6.33E-11	1.98E-09	6.36E-10	1.08E-09	8.04E-11	1.80E-09	3.62E-10	5.98E-10	1.98E-11	9.80E-10
2334	741514.34	4107021.98	4.23E-09	7.71E-09	4.23E-10	1.24E-08	6.56E-10	1.26E-09	6.35E-11	1.98E-09	6.38E-10	1.09E-09	8.06E-11	1.81E-09	3.63E-10	6.00E-10	1.99E-11	9.82E-10
2335	741538.4	4107017.54	4.24E-09	7.72E-09	4.24E-10	1.24E-08	6.57E-10	1.27E-09	6.36E-11	1.99E-09	6.39E-10	1.09E-09	8.07E-11	1.81E-09	3.63E-10	6.01E-10	1.99E-11	9.84E-10
2336	741562.47	4107013.1	4.24E-09	7.72E-09	4.24E-10	1.24E-08	6.57E-10	1.27E-09	6.36E-11	1.99E-09	6.39E-10	1.09E-09	8.07E-11	1.81E-09	3.63E-10	6.01E-10	1.99E-11	9.84E-10
2337	741586.54	4107008.67	4.24E-09	7.72E-09	4.24E-10	1.24E-08	6.57E-10	1.27E-09	6.36E-11	1.99E-09	6.39E-10	1.09E-09	8.07E-11	1.81E-09	3.63E-10	6.01E-10	1.99E-11	9.84E-10
2338	741610.61	4107004.23	4.23E-09	7.71E-09	4.24E-10	1.24E-08	6.56E-10	1.26E-09	6.35E-11	1.98E-09	6.38E-10	1.09E-09	8.07E-11	1.81E-09	3.63E-10	6.00E-10	1.99E-11	9.83E-10
2339	741634.68	4106999.79	4.23E-09	7.71E-09	4.23E-10	1.24E-08	6.56E-10	1.26E-09	6.35E-11	1.98E-09	6.38E-10	1.09E-09	8.06E-11	1.81E-09	3.63E-10	6.00E-10	1.99E-11	9.82E-10
2340	741658.74	4106995.36	4.23E-09	7.70E-09	4.23E-10	1.23E-08	6.55E-10	1.26E-09	6.34E-11	1.98E-09	6.37E-10	1.09E-09	8.05E-11	1.80E-09	3.62E-10	5.99E-10	1.99E-11	9.81E-10
2341	741682.81	4106990.92	4.22E-09	7.70E-09	4.23E-10	1.23E-08	6.55E-10	1.26E-09	6.34E-11	1.98E-09	6.37E-10	1.09E-09	8.05E-11	1.80E-09	3.62E-10	5.99E-10	1.99E-11	9.81E-10
2342	741706.88	4106986.48	4.22E-09	7.70E-09	4.23E-10	1.23E-08	6.55E-10	1.26E-09	6.34E-11	1.98E-09	6.37E-10	1.09E-09	8.05E-11	1.80E-09	3.62E-10	5.99E-10	1.99E-11	9.81E-10
2343	741730.95	4106982.04	4.23E-09	7.70E-09	4.23E-10	1.24E-08	6.56E-10	1.26E-09	6.35E-11	1.98E-09	6.38E-10	1.09E-09	8.06E-11	1.81E-09	3.62E-10	6.00E-10	1.99E-11	9.82E-10
2344	741755.02	4106977.61	4.24E-09	7.72E-09	4.24E-10	1.24E-08	6.57E-10	1.27E-09	6.36E-11	1.99E-09	6.39E-10	1.09E-09	8.07E-11	1.81E-09	3.63E-10	6.01E-10	1.99E-11	9.84E-10
2345	741779.08	4106973.17	4.25E-09	7.74E-09	4.25E-10	1.24E-08	6.59E-10	1.27E-09	6.38E-11	1.99E-09	6.41E-10	1.09E-09	8.10E-11	1.81E-09	3.64E-10	6.03E-10	2.00E-11	9.87E-10
2346	741803.15	4106968.73	4.27E-09	7.77E-09	4.27E-10	1.25E-08	6.61E-10	1.27E-09	6.40E-11	2.00E-09	6.43E-10	1.10E-09	8.13E-11	1.82E-09	3.65E-10	6.05E-10	2.00E-11	9.90E-10
2347	741827.22	4106964.3	4.28E-09	7.81E-09	4.29E-10	1.25E-08	6.64E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.16E-11	1.83E-09	3.67E-10	6.08E-10	2.01E-11	9.95E-10
2348	741851.29	4106959.86	4.31E-09	7.85E-09	4.31E-10	1.26E-08	6.68E-10	1.29E-09	6.47E-11	2.02E-09	6.50E-10	1.11E-09	8.21E-11	1.84E-09	3.69E-10	6.11E-10	2.03E-11	1.00E-09
2349	741875.36	4106955.42	4.34E-09	7.90E-09	4.34E-10	1.27E-08	6.73E-10	1.30E-09	6.51E-11	2.03E-09	6.54E-10	1.11E-09	8.26E-11	1.85E-09	3.72E-10	6.15E-10	2.04E-11	1.01E-09
2350	741899.42	4106950.98	4.37E-09	7.96E-09	4.37E-10	1.28E-08	6.77E-10	1.30E-09	6.55E-11	2.05E-09	6.59E-10	1.12E-09	8.32E-11	1.86E-09	3.74E-10	6.19E-10	2.05E-11	1.01E-09
2351	741923.49	4106946.55	4.40E-09	8.02E-09	4.40E-10	1.29E-08	6.82E-10	1.31E-09	6.60E-11	2.06E-09	6.63E-10	1.13E-09	8.38E-11	1.88E-09	3.77E-10	6.24E-10	2.07E-11	1.02E-09
2352	741947.56	4106942.11	4.43E-09	8.07E-09	4.43E-10	1.29E-08	6.87E-10	1.32E-09	6.65E-11	2.08E-09	6.68E-10	1.14E-09	8.44E-11	1.89E-09	3.80E-10	6.28E-10	2.08E-11	1.03E-09
2353	741971.63	4106937.67	4.46E-09	8.13E-09	4.46E-10	1.30E-08	6.92E-10	1.33E-09	6.69E-11	2.09E-09	6.73E-10	1.15E-09	8.50E-11	1.90E-09	3.82E-10	6.32E-10	2.10E-11	1.04E-09
2354	741995.7	4106933.24	4.49E-09	8.18E-09	4.49E-10	1.31E-08	6.96E-10	1.34E-09	6.74E-11	2.11E-09	6.77E-10	1.15E-09	8.56E-11	1.92E-09	3.85E-10	6.37E-10	2.11E-11	1.04E-09
2355	742019.76	4106928.8	4.51E-09	8.23E-09	4.52E-10	1.32E-08	7.00E-10	1.35E-09	6.78E-11	2.12E-09	6.81E-10	1.16E-09	8.60E-11	1.93E-09	3.87E-10	6.40E-10	2.12E-11	1.05E-09
2356	742043.83	4106924.36	4.54E-09	8.27E-09	4.54E-10	1.33E-08	7.03E-10	1.36E-09	6.81E-11	2.13E-09	6.84E-10	1.17E-09	8.64E-11	1.94E-09	3.89E-10	6.43E-10	2.13E-11	1.05E-09
2357	742067.9	4106919.92	4.55E-09	8.29E-09	4.55E-10	1.33E-08	7.06E-10	1.36E-09	6.83E-11	2.13E-09	6.86E-10	1.17E-09	8.67E-11	1.94E-09	3.90E-10	6.45E-10	2.14E-11	1.06E-09
2358	742091.97	4106915.49	4.56E-09	8.31E-09	4.56E-10	1.33E-08	7.07E-10	1.36E-09	6.84E-11	2.14E-09	6.88E-10	1.17E-09	8.69E-11	1.95E-09	3.91E-10	6.47E-10	2.14E-11	1.06E-09
2359	742116.03	4106911.05	4.56E-09	8.31E-09	4.56E-10	1.33E-08	7.07E-10	1.36E-09	6.85E-11	2.14E-09	6.88E-10	1.17E-09	8.69E-11	1.95E-09	3.91E-10	6.47E-10	2.14E-11	1.06E-09
2360	742140.1	4106906.61	4.56E-09	8.31E-09	4.56E-10	1.33E-08	7.07E-10	1.36E-09	6.84E-11	2.14E-09	6.88E-10	1.17E-09	8.69E-11	1.95E-09	3.91E-10	6.47E-10	2.14E-11	1.06E-09
2361	742164.17	4106902.18	4.55E-09	8.29E-09	4.55E-10	1.33E-08	7.05E-10	1.36E-09	6.83E-11	2.13E-09	6.86E-10	1.17E-09	8.67E-11	1.94E-09	3.90E-10	6.45E-10	2.14E-11	1.06E-09
2362	742188.24	4106897.74	4.53E-09	8.26E-09	4.54E-10	1.32E-08	7.03E-10	1.35E-09	6.80E-11	2.13E-09	6.84E-10	1.17E-09	8.64E-11	1.94E-09	3.89E-10	6.43E-10	2.13E-11	1.05E-09
2363	742212.31	4106893.3	4.51E-09	8.23E-09	4.52E-10	1.32E-08	7.00E-10	1.35E-09	6.78E-11	2.12E-09	6.81E-10	1.16E-09	8.60E-11	1.93E-09	3.87E-10	6.40E-10	2.12E-11	1.05E-09
2364	742236.37	4106888.87	4.49E-09	8.18E-09	4.49E-10	1.31E-08	6.96E-10	1.34E-09	6.74E-11	2.10E-09	6.77E-10	1.15E-09	8.55E-11	1.92E-09	3.85E-10	6.36E-10	2.11E-11	1.04E-09
2365	742260.44	4106884.43	4.46E-09	8.13E-09	4.46E-10	1.30E-08	6.92E-10	1.33E-09	6.69E-11	2.09E-09	6.73E-10	1.15E-09	8.50E-11	1.90E-09	3.82E-10	6.32E-10	2.10E-11	1.04E-09
2366	742284.51	4106879.99	4.43E-09	8.08E-09	4.43E-10	1.30E-08	6.87E-10	1.32E-09	6.65E-11	2.08E-09	6.68E-10	1.14E-09	8.45E-11	1.89E-09	3.80E-10	6.28E-10	2.08E-11	1.03E-09
2367	742308.58	4106875.55	4.40E-09	8.02E-09	4.40E-10	1.29E-08	6.83E-10	1.32E-09	6.61E-11	2.06E-09	6.64E-10	1.13E-09	8.39E-11	1.88E-09	3.77E-10	6.24E-10	2.07E-11	1.02E-09
2368	742332.65	4106871.12	4.37E-09	7.97E-09	4.37E-10	1.28E-08	6.78E-10	1.31E-09	6.56E-11	2.05E-09	6.59E-10	1.12E-09	8.33E-11	1.87E-09	3.75E-10	6.20E-10	2.05E-11	1.01E-09
2369	742356.71	4106866.68	4.35E-09	7.92E-09	4.35E-10	1.27E-08	6.74E-10	1.30E-09	6.52E-11	2.04E-09	6.55E-10	1.12E-09	8.28E-11	1.86E-09	3.72E-10	6.16E-10	2.04E-11	1.01E-09
2370	742380.78	4106862.24	4.32E-09	7.87E-09	4.32E-10	1.26E-08	6.70E-10	1.29E-09	6.49E-11	2.03E-09	6.52E-10	1.11E-09	8.23E-11	1.84E-09	3.70E-10	6.13E-10	2.03E-11	1.00E-09
2371	742404.85	4106857.81	4.30E-09	7.84E-09	4.30E-10	1.26E-08	6.67E-10	1.29E-09	6.46E-11	2.02E-09	6.49E-10	1.11E-09	8.20E-11	1.84E-09	3.69E-10	6.10E-10	2.02E-11	9.99E-10
2372	742428.92	4106853.37	4.29E-09	7.82E-09	4.29E-10	1.25E-08	6.65E-10	1.28E-09	6.44E-11	2.01E-09	6.47E-10	1.10E-09	8.17E-11	1.83E-09	3.68E-10	6.08E-10	2.02E-11	9.96E-10
2373	742452.99	4106848.93	4.28E-09	7.80E-09	4.28E-10	1.25E-08	6.64E-10	1.28E-09	6.42E-11	2.01E-09	6.45E-10	1.10E-09	8.16E-11	1.83E-09	3.67E-10	6.07E-10	2.01E-11	9.94E-10
2374	742477.05	4106844.49	4.28E-09	7.80E-09	4.28E-10	1.25E-08	6.64E-10	1.28E-09	6.42E-11	2.01E-09	6.45E-10	1.10E-09	8.16E-11	1.83E-09	3.67E-10	6.07E-10	2.01E-11	9.94E-10
2375	742501.12	4106840.06	4.29E-09	7.82E-09	4.29E-10	1.25E-08	6.65E-10	1.28E-09	6.44E-11	2.01E-09	6.47E-10	1.10E-09	8.17E-11	1.83E-09	3.68E-10	6.08E-10	2.02E-11	9.96E-10
2376	742525.19	4106835.62	4.31E-09	7.85E-09	4.31E-10	1.26E-08	6.68E-10	1.29E-09	6.46E-11	2.02E-09	6.49E-10	1.11E-09	8.21E-11	1.84E-09	3.69E-10	6.11E-10	2.02E-11	1.00E-09
2377	742549.26	4106831.18	4.33E-09	7.89E-09	4.33E-10	1.27E-08	6.72E-10	1.29E-09	6.50E-11	2.03E-09	6.53E-10	1.11E-09	8.26E-11	1.85E-09	3.71E-10	6.14E-10	2.04E-11	1.01E-09
2378	742573.33	4106826.75	4.37E-09	7.96E-09	4.37E-10	1.28E-08	6.77E-10	1.30E-09	6.55E-11	2.05E-09	6.59E-10	1.12E-09	8.32E-11	1.86E-09	3.74E-10	6.19E-10	2.05E-11	1.01E-09
2379	742597.39	4106822.31	4.41E-09	8.03E-09	4.41E-10	1.29E-08	6.84E-10	1.32E-09	6.62E-11	2.07E-09	6.65E-10	1.13E-09	8.40E-11	1.88E-09	3.78E-10	6.25E-10	2.07E-11	1.02E-09
2380	742621.46	4106817.87	4.46E-09	8.12E-09	4.46E-10	1.30E-08	6.91E-10	1.33E-09	6.69E-11	2.09E-09	6.72E-10	1.15E-09	8.49E-11	1.90E-09	3.82E-10	6.32E-10	2.09E-11	1.03E-09
2381	742645.53	4106813.43	4.51E-09	8.22E-09	4.51E-10	1.32E-08	7.00E-10	1.35E-09	6.77E-11	2.12E-09	6.80E-10	1.16E-09	8.60E-11	1.93E-09	3.87E-10	6.40E-10	2.12E-11	1.05E-09
2382	742669.6	4106809	4.58E-09	8.34E-09	4.58E-10	1.34E-08	7.09E-10	1.37E-09	6.87E-11	2.14E-09	6.90E-10	1.18E-09	8.72E-11	1.95E-09	3.92E-10	6.49E-10	2.15E-11	1.06E-09
2383	742693.67	4106804.56	4.64E-09	8.46E-09	4.64E-10	1.36E-08	7.20E-10	1.39E-09	6.96E-11	2.18E-09	7.00E-10	1.19E-09	8.84E-11	1.98E-09	3.98E-10	6.58E-10	2.18E-11	1.08E-09
2384	742738	4106813.84	4.82E-09	8.78E-09	4.82E-10	1.41E-08	7.47E-10	1.44E-09	7.23E-11	2.26E-09	7.27E-10	1.24E-09	9.18E-11	2.06E-09	4.13E-10	6.83E-10	2.27E-11	1.12E-09
2385	742758.27	4106827.56	4.93E-09	8.99E-09	4.94E-10	1.44E-08	7.65E-10	1.47E-09	7.41E-11	2.31E-09	7.44E-10	1.27E-09	9.40E-11	2.11E-09	4.23E-10	7.00E-10	2.32E-11	1.15E-09
2386	742778.54	4106841.28	5.05E-09	9.21E-09	5.05E-10	1.48E-08	7.83E-10	1.51E-09	7.58E-11	2.37E-09	7.62E-10	1.30E-09	9.63E-11	2.16E-09	4.33E-10	7.16E-10	2.37E-11	1.17E-09
2387	742798.8	4106854.99	5.17E-09	9.41E-09	5.17E-10	1.51E-08	8.01E-10	1.54E-09	7.75E-11	2.42E-09	7.79E-10	1.33E-09	9.85E-11	2.21E-09	4.43E-10	7.33E-10	2.43E-11	1.20E-09
2388	742819.07	4106868.71	5.28E-09	9.62E-09	5.28E-10	1.54E-08	8.19E-10	1.58E-09	7.92E-11	2.48E-09	7.96E-10	1.36E-09	1.01E-10	2.25E-09	4.52E-10	7.49E-10	2.48E-11	1.23E-09
2389	742839.34	4106882.43	5.38E-09	9.81E-09	5.39E-10	1.57E-08	8.35E-10	1.61E-09	8.08E-11	2.52E-09	8.12E-10	1.38E-09	1.03E-10	2.30E-09	4.61E-10	7.63E-10	2.53E-11	1.25E-09
2390	742859.61	4106896.15	5.48E-09	9.99E-09	5.49E-10	1.60E-08	8.50E-10	1.64E-09	8.23E-11	2.57E-09	8.27E-10	1.41E-09	1.04E-10	2.34E-09	4.70E-10	7.77E-10	2.58E-11	1.27E-09
2391	742879.88	4106909.86	5.57E-09	1.02E-08	5.58E-10	1.63E-08	8.64E-10	1.67E-09	8.37E-11	2.61E-09	8.41E-10	1.43E-09	1.06E-10	2.38E-09	4.78E-10	7.90E-10	2.62E-11	1.29E-09
2392	742900.14	4106923.58	5.65E-09	1.03E-08	5.66E-10	1.65E-08	8.77E-10	1.69E-09	8.48E-11	2.65E-09	8.52E-10	1.45E-09	1.08E-10	2.41E-09	4.84E-10	8.01E-10	2.66E-11	1.31E-09
2393	742920.41	4106937.3	5.72E-09	1.04E-08	5.72E-10	1.67E-08	8.87E-10	1.71E-09	8.58E-11	2.68E-09	8.62E-10	1.47E-09	1.09E-10	2.44E-09	4.90E-10	8.11E-10	2.69E-11	1.33E-09
2394	742940.68	4106951.02	5.77E-09	1.05E-08	5.78E-10	1.69E-08	8.95E-10	1.72E-09	8.67E-11	2.71E-09	8.71E-10	1.48E-09	1.10E-10	2.46E-09	4.95E-10	8.19E-10	2.71E-11	1.34E-09
2395	742960.95	4106964.74	5.81E-09	1.06E-08	5.82E-10	1.70E-08	9.02E-10	1.74E-09	8.73E-11	2.73E-09	8.77E-10	1.49E-09	1.11E-10	2.48E-09	4.98E-10	8.24E-10	2.73E-11	1.35E-09
2396	742981.21	4106978.45	5.84E-09	1.06E-08	5.84E-10	1.71E-08	9.06E-10	1.74E-09	8.77E-11	2.74E-09	8.81E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.28E-10	2.74E-11	1.36E-09
2397	743001.48	4106992.17	5.85E-09	1.07E-08	5.85E-10	1.71E-08	9.07E-10	1.75E-09	8.78E-11	2.74E-09	8.82E-10	1.50E-09	1.12E-10	2.50E-09	5.01E-10	8.30E-10	2.75E-11	1.36E-09
2398	743021.75	4107005.89	5.85E-09	1.07E-08	5.85E-10	1.71E-08	9.07E-10	1.75E-09	8.78E-11	2.74E-09	8.82E-10	1.50E-09	1.11E-10	2.50E-09	5.01E-10	8.29E-10	2.75E-11	1.36E-09
2399	743042.02	4107019.61	5.83E-09	1.06E-08	5.84E-10	1.70E-08	9.04E-10	1.74E-09	8.75E-11	2.73E-09	8.79E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.27E-10	2.74E-11	1.35E-09

2400	743062.28	4107033.32	5.81E-09	1.06E-08	5.81E-10	1.70E-08	9.01E-10	1.74E-09	8.72E-11	2.72E-09	8.76E-10	1.49E-09	1.11E-10	2.48E-09	4.98E-10	8.24E-10	2.73E-11	1.35E-09
2401	743082.55	4107047.04	5.78E-09	1.05E-08	5.78E-10	1.69E-08	8.96E-10	1.73E-09	8.67E-11	2.71E-09	8.71E-10	1.48E-09	1.10E-10	2.47E-09	4.95E-10	8.19E-10	2.71E-11	1.34E-09
2402	743102.82	4107060.76	5.74E-09	1.05E-08	5.74E-10	1.68E-08	8.90E-10	1.71E-09	8.61E-11	2.69E-09	8.65E-10	1.48E-09	1.09E-10	2.45E-09	4.92E-10	8.14E-10	2.70E-11	1.33E-09
2403	743123.09	4107074.48	5.70E-09	1.04E-08	5.70E-10	1.67E-08	8.84E-10	1.70E-09	8.55E-11	2.67E-09	8.60E-10	1.47E-09	1.09E-10	2.43E-09	4.88E-10	8.08E-10	2.68E-11	1.32E-09
2404	743143.36	4107088.19	5.67E-09	1.03E-08	5.67E-10	1.66E-08	8.79E-10	1.69E-09	8.50E-11	2.66E-09	8.54E-10	1.46E-09	1.08E-10	2.42E-09	4.85E-10	8.03E-10	2.66E-11	1.32E-09
2405	743163.62	4107101.91	5.63E-09	1.03E-08	5.64E-10	1.65E-08	8.74E-10	1.68E-09	8.46E-11	2.64E-09	8.50E-10	1.45E-09	1.07E-10	2.41E-09	4.83E-10	7.99E-10	2.65E-11	1.31E-09
2406	743183.89	4107115.63	5.61E-09	1.02E-08	5.62E-10	1.64E-08	8.70E-10	1.68E-09	8.42E-11	2.63E-09	8.46E-10	1.44E-09	1.07E-10	2.40E-09	4.81E-10	7.96E-10	2.64E-11	1.30E-09
2407	743204.16	4107129.35	5.60E-09	1.02E-08	5.61E-10	1.64E-08	8.69E-10	1.67E-09	8.41E-11	2.63E-09	8.45E-10	1.44E-09	1.07E-10	2.39E-09	4.80E-10	7.94E-10	2.63E-11	1.30E-09
2408	743224.43	4107143.07	5.60E-09	1.02E-08	5.61E-10	1.64E-08	8.69E-10	1.67E-09	8.41E-11	2.63E-09	8.45E-10	1.44E-09	1.07E-10	2.39E-09	4.80E-10	7.95E-10	2.63E-11	1.30E-09
2409	743244.69	4107156.78	5.62E-09	1.02E-08	5.63E-10	1.64E-08	8.72E-10	1.68E-09	8.44E-11	2.64E-09	8.48E-10	1.45E-09	1.07E-10	2.40E-09	4.82E-10	7.97E-10	2.64E-11	1.31E-09
2410	743264.96	4107170.5	5.65E-09	1.03E-08	5.66E-10	1.65E-08	8.77E-10	1.69E-09	8.48E-11	2.65E-09	8.52E-10	1.45E-09	1.08E-10	2.41E-09	4.84E-10	8.01E-10	2.66E-11	1.31E-09
2411	743285.23	4107184.22	5.70E-09	1.04E-08	5.70E-10	1.66E-08	8.84E-10	1.70E-09	8.55E-11	2.67E-09	8.59E-10	1.46E-09	1.09E-10	2.43E-09	4.88E-10	8.08E-10	2.68E-11	1.32E-09
2412	743305.5	4107197.94	5.76E-09	1.05E-08	5.76E-10	1.68E-08	8.93E-10	1.72E-09	8.64E-11	2.70E-09	8.68E-10	1.48E-09	1.10E-10	2.46E-09	4.93E-10	8.16E-10	2.71E-11	1.34E-09
2413	743325.76	4107211.65	5.83E-09	1.06E-08	5.83E-10	1.70E-08	9.04E-10	1.74E-09	8.75E-11	2.73E-09	8.79E-10	1.50E-09	1.11E-10	2.49E-09	4.99E-10	8.26E-10	2.74E-11	1.35E-09
2414	743346.03	4107225.37	5.91E-09	1.08E-08	5.91E-10	1.73E-08	9.16E-10	1.76E-09	8.87E-11	2.77E-09	8.91E-10	1.52E-09	1.13E-10	2.52E-09	5.06E-10	8.38E-10	2.78E-11	1.37E-09
2415	743366.3	4107239.09	6.00E-09	1.09E-08	6.00E-10	1.75E-08	9.30E-10	1.79E-09	9.00E-11	2.81E-09	9.04E-10	1.54E-09	1.14E-10	2.56E-09	5.14E-10	8.50E-10	2.82E-11	1.39E-09
2416	743386.57	4107252.81	6.09E-09	1.11E-08	6.09E-10	1.78E-08	9.44E-10	1.82E-09	9.14E-11	2.85E-09	9.18E-10	1.56E-09	1.16E-10	2.60E-09	5.22E-10	8.63E-10	2.86E-11	1.41E-09
2417	743406.84	4107266.52	6.18E-09	1.13E-08	6.19E-10	1.81E-08	9.59E-10	1.85E-09	9.28E-11	2.90E-09	9.32E-10	1.59E-09	1.18E-10	2.64E-09	5.30E-10	8.77E-10	2.91E-11	1.44E-09
2418	743427.1	4107280.24	6.28E-09	1.14E-08	6.28E-10	1.83E-08	9.74E-10	1.88E-09	9.42E-11	2.94E-09	9.47E-10	1.61E-09	1.20E-10	2.68E-09	5.38E-10	8.90E-10	2.95E-11	1.46E-09
2419	743447.37	4107293.96	6.37E-09	1.16E-08	6.38E-10	1.86E-08	9.88E-10	1.90E-09	9.56E-11	2.99E-09	9.61E-10	1.64E-09	1.21E-10	2.72E-09	5.46E-10	9.03E-10	2.99E-11	1.48E-09
2420	743467.64	4107307.68	6.46E-09	1.18E-08	6.47E-10	1.89E-08	1.00E-09	1.93E-09	9.70E-11	3.03E-09	9.75E-10	1.66E-09	1.23E-10	2.76E-09	5.54E-10	9.16E-10	3.04E-11	1.50E-09
2421	743487.91	4107321.4	6.55E-09	1.19E-08	6.56E-10	1.92E-08	1.02E-09	1.96E-09	9.84E-11	3.07E-09	9.88E-10	1.68E-09	1.25E-10	2.80E-09	5.62E-10	9.29E-10	3.08E-11	1.52E-09
2422	743508.17	4107335.11	6.64E-09	1.21E-08	6.65E-10	1.94E-08	1.03E-09	1.98E-09	9.97E-11	3.11E-09	1.00E-09	1.71E-09	1.27E-10	2.84E-09	5.69E-10	9.42E-10	3.12E-11	1.54E-09
2423	743528.44	4107348.83	6.73E-09	1.23E-08	6.74E-10	1.97E-08	1.04E-09	2.01E-09	1.01E-10	3.16E-09	1.02E-09	1.73E-09	1.28E-10	2.87E-09	5.77E-10	9.55E-10	3.16E-11	1.56E-09
2424	743548.71	4107362.55	6.83E-09	1.24E-08	6.84E-10	2.00E-08	1.06E-09	2.04E-09	1.03E-10	3.20E-09	1.03E-09	1.76E-09	1.30E-10	2.92E-09	5.85E-10	9.69E-10	3.21E-11	1.59E-09
2425	743568.98	4107376.27	6.93E-09	1.26E-08	6.93E-10	2.03E-08	1.07E-09	2.07E-09	1.04E-10	3.25E-09	1.05E-09	1.78E-09	1.32E-10	2.96E-09	5.94E-10	9.83E-10	3.26E-11	1.61E-09
2426	743589.24	4107389.98	7.03E-09	1.28E-08	7.04E-10	2.06E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.00E-09	6.03E-10	9.97E-10	3.31E-11	1.63E-09
2427	743609.51	4107403.7	7.15E-09	1.30E-08	7.15E-10	2.09E-08	1.11E-09	2.13E-09	1.07E-10	3.35E-09	1.08E-09	1.84E-09	1.36E-10	3.05E-09	6.12E-10	1.01E-09	3.36E-11	1.66E-09
2428	743629.78	4107417.42	7.26E-09	1.32E-08	7.27E-10	2.12E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.38E-10	3.10E-09	6.22E-10	1.03E-09	3.41E-11	1.69E-09
2429	743650.05	4107431.14	7.39E-09	1.35E-08	7.40E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.47E-09	1.11E-09	1.90E-09	1.41E-10	3.16E-09	6.33E-10	1.05E-09	3.47E-11	1.72E-09
2430	743670.32	4107444.85	7.52E-09	1.37E-08	7.53E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.13E-09	1.93E-09	1.43E-10	3.21E-09	6.45E-10	1.07E-09	3.54E-11	1.75E-09
2431	743690.58	4107458.57	7.66E-09	1.40E-08	7.67E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.59E-09	1.16E-09	1.97E-09	1.46E-10	3.27E-09	6.56E-10	1.09E-09	3.60E-11	1.78E-09
2432	743710.85	4107472.29	7.80E-09	1.42E-08	7.81E-10	2.28E-08	1.21E-09	2.33E-09	1.17E-10	3.66E-09	1.18E-09	2.01E-09	1.49E-10	3.33E-09	6.69E-10	1.11E-09	3.67E-11	1.81E-09
2433	743731.12	4107486.01	7.95E-09	1.45E-08	7.95E-10	2.32E-08	1.23E-09	2.37E-09	1.19E-10	3.72E-09	1.20E-09	2.04E-09	1.51E-10	3.39E-09	6.81E-10	1.13E-09	3.73E-11	1.84E-09
2434	743751.39	4107499.72	8.09E-09	1.47E-08	8.10E-10	2.36E-08	1.25E-09	2.42E-09	1.21E-10	3.79E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.93E-10	1.15E-09	3.80E-11	1.88E-09
2435	743771.65	4107513.44	8.24E-09	1.50E-08	8.24E-10	2.41E-08	1.28E-09	2.46E-09	1.24E-10	3.86E-09	1.24E-09	2.12E-09	1.57E-10	3.52E-09	7.06E-10	1.17E-09	3.87E-11	1.91E-09
2436	743791.92	4107527.16	8.38E-09	1.53E-08	8.39E-10	2.45E-08	1.30E-09	2.50E-09	1.26E-10	3.93E-09	1.26E-09	2.15E-09	1.60E-10	3.58E-09	7.18E-10	1.19E-09	3.94E-11	1.95E-09
2437	743812.19	4107540.88	8.53E-09	1.55E-08	8.53E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.19E-09	1.62E-10	3.64E-09	7.31E-10	1.21E-09	4.01E-11	1.98E-09
2438	743832.46	4107554.6	8.67E-09	1.58E-08	8.68E-10	2.53E-08	1.34E-09	2.59E-09	1.30E-10	4.07E-09	1.31E-09	2.23E-09	1.65E-10	3.70E-09	7.43E-10	1.23E-09	4.08E-11	2.01E-09
2439	743852.72	4107568.31	8.82E-09	1.61E-08	8.82E-10	2.58E-08	1.37E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.27E-09	1.68E-10	3.76E-09	7.55E-10	1.25E-09	4.14E-11	2.05E-09
2440	743872.99	4107582.03	8.97E-09	1.63E-08	8.97E-10	2.62E-08	1.39E-09	2.68E-09	1.35E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.83E-09	7.68E-10	1.27E-09	4.21E-11	2.08E-09
2441	743893.26	4107595.75	9.11E-09	1.66E-08	9.12E-10	2.66E-08	1.41E-09	2.72E-09	1.37E-10	4.27E-09	1.37E-09	2.34E-09	1.74E-10	3.89E-09	7.81E-10	1.29E-09	4.28E-11	2.12E-09
2442	743913.53	4107609.47	9.26E-09	1.69E-08	9.27E-10	2.71E-08	1.44E-09	2.77E-09	1.39E-10	4.34E-09	1.40E-09	2.38E-09	1.76E-10	3.95E-09	7.94E-10	1.31E-09	4.35E-11	2.15E-09
2443	743933.79	4107623.18	9.41E-09	1.71E-08	9.42E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.06E-10	1.33E-09	4.42E-11	2.18E-09
2444	743954.06	4107636.9	9.56E-09	1.74E-08	9.57E-10	2.79E-08	1.48E-09	2.86E-09	1.44E-10	4.48E-09	1.44E-09	2.46E-09	1.82E-10	4.08E-09	8.20E-10	1.36E-09	4.49E-11	2.22E-09
2445	743974.33	4107650.62	9.72E-09	1.77E-08	9.72E-10	2.84E-08	1.51E-09	2.90E-09	1.46E-10	4.56E-09	1.47E-09	2.50E-09	1.85E-10	4.15E-09	8.33E-10	1.38E-09	4.57E-11	2.26E-09
2446	743994.6	4107664.34	9.88E-09	1.80E-08	9.88E-10	2.89E-08	1.53E-09	2.95E-09	1.48E-10	4.63E-09	1.49E-09	2.54E-09	1.88E-10	4.22E-09	8.46E-10	1.40E-09	4.64E-11	2.29E-09
2447	744014.87	4107678.05	1.00E-08	1.83E-08	1.00E-09	2.93E-08	1.56E-09	3.00E-09	1.51E-10	4.70E-09	1.51E-09	2.58E-09	1.91E-10	4.28E-09	8.60E-10	1.42E-09	4.72E-11	2.33E-09
2448	744035.13	4107691.77	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.04E-09	1.53E-10	4.78E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.73E-10	1.44E-09	4.79E-11	2.37E-09
2449	744055.4	4107705.49	1.03E-08	1.88E-08	1.03E-09	3.02E-08	1.60E-09	3.09E-09	1.55E-10	4.85E-09	1.56E-09	2.66E-09	1.97E-10	4.42E-09	8.86E-10	1.47E-09	4.86E-11	2.40E-09
2450	744075.67	4107719.21	1.05E-08	1.91E-08	1.05E-09	3.07E-08	1.63E-09	3.13E-09	1.57E-10	4.92E-09	1.58E-09	2.70E-09	2.00E-10	4.48E-09	8.99E-10	1.49E-09	4.93E-11	2.44E-09
2451	744095.94	4107732.93	1.06E-08	1.94E-08	1.06E-09	3.10E-08	1.65E-09	3.17E-09	1.59E-10	4.98E-09	1.60E-09	2.73E-09	2.02E-10	4.54E-09	9.10E-10	1.51E-09	4.99E-11	2.47E-09
2452	744116.2	4107746.64	1.08E-08	1.96E-08	1.08E-09	3.14E-08	1.67E-09	3.21E-09	1.61E-10	5.04E-09	1.62E-09	2.76E-09	2.05E-10	4.59E-09	9.21E-10	1.52E-09	5.05E-11	2.50E-09
2453	744136.47	4107760.36	1.09E-08	1.98E-08	1.09E-09	3.17E-08	1.68E-09	3.25E-09	1.63E-10	5.09E-09	1.64E-09	2.79E-09	2.07E-10	4.64E-09	9.31E-10	1.54E-09	5.10E-11	2.52E-09
2454	744156.74	4107774.08	1.10E-08	2.00E-08	1.10E-09	3.20E-08	1.70E-09	3.27E-09	1.64E-10	5.14E-09	1.65E-09	2.82E-09	2.09E-10	4.68E-09	9.39E-10	1.55E-09	5.15E-11	2.54E-09
2455	744177.01	4107787.8	1.10E-08	2.01E-08	1.10E-09	3.22E-08	1.71E-09	3.29E-09	1.65E-10	5.17E-09	1.66E-09	2.83E-09	2.10E-10	4.71E-09	9.45E-10	1.56E-09	5.18E-11	2.56E-09
2456	744197.27	4107801.51	1.11E-08	2.02E-08	1.11E-09	3.24E-08	1.72E-09	3.31E-09	1.66E-10	5.20E-09	1.67E-09	2.85E-09	2.11E-10	4.73E-09	9.50E-10	1.57E-09	5.21E-11	2.57E-09
2457	744217.54	4107815.23	1.11E-08	2.03E-08	1.11E-09	3.25E-08	1.73E-09	3.32E-09	1.67E-10	5.22E-09	1.68E-09	2.86E-09	2.12E-10	4.75E-09	9.54E-10	1.58E-09	5.23E-11	2.58E-09
2458	744237.81	4107828.95	1.12E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.33E-09	1.67E-10	5.23E-09	1.68E-09	2.87E-09	2.13E-10	4.76E-09	9.56E-10	1.58E-09	5.24E-11	2.59E-09
2459	744258.08	4107842.67	1.12E-08	2.04E-08	1.12E-09	3.26E-08	1.73E-09	3.34E-09	1.68E-10	5.24E-09	1.68E-09	2.87E-09	2.13E-10	4.77E-09	9.57E-10	1.58E-09	5.25E-11	2.59E-09
2460	744278.35	4107856.38	1.12E-08	2.04E-08	1.12E-09	3.27E-08	1.73E-09	3.34E-09	1.68E-10	5.24E-09	1.69E-09	2.87E-09	2.13E-10	4.77E-09	9.58E-10	1.59E-09	5.25E-11	2.60E-09
2461	744298.61	4107870.1	1.12E-08	2.04E-08	1.12E-09	3.27E-08	1.73E-09	3.34E-09	1.68E-10	5.24E-09	1.69E-09	2.88E-09	2.13E-10	4.78E-09	9.59E-10	1.59E-09	5.26E-11	2.60E-09
2462	744318.88	4107883.82	1.12E-08	2.04E-08	1.12E-09	3.27E-08	1.74E-09	3.35E-09	1.68E-10	5.25E-09	1.69E-09	2.88E-09	2.13E-10	4.78E-09	9.60E-10	1.59E-09	5.26E-11	2.60E-09
2463	744339.15	4107897.54	1.12E-08	2.04E-08	1.12E-09	3.28E-08	1.74E-09	3.35E-09	1.68E-10	5.26E-09	1.69E-09	2.88E-09	2.14E-10	4.79E-09	9.61E-10	1.59E-09	5.27E-11	2.60E-09
2464	744359.42	4107911.26	1.12E-08	2.05E-08	1.12E-09	3.29E-08	1.74E-09	3.36E-09	1.69E-10	5.27E-09	1.70E-09	2.89E-09	2.14E-10	4.80E-09	9.63E-10	1.59E-09	5.28E-11	2.61E-09
2465	744379.68	4107924.97	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.37E-09	1.69E-10	5.29E-09	1.70E-09	2.90E-09	2.15E-10	4.82E-09	9.67E-10	1.60E-09	5.30E-11	2.62E-09
2466	744399.95	4107938.69	1.13E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.39E-09	1.70E-10	5.32E-09	1.71E-09	2.92E-09	2.16E-10	4.84E-09	9.72E-10	1.61E-09	5.33E-11	2.63E-09
2467	744420.22	4107952.41	1.14E-08	2.08E-08	1.14E-09	3.34E-08	1.77E-09	3.41E-09	1.71E-10	5.36E-09	1.72E-09	2.94E-09	2.18E-10	4.88E-09	9.79E-10	1.62E-09	5.37E-11	2.65E-09
2468	744440.49	4107966.13	1.15E-08	2.10E-08	1.15E-09	3.37E-08	1.79E-09	3.44E-09	1.73E-10	5.40E-09	1.74E-09	2.96E-09	2.20E-10	4.92E-09	9.87E-10	1.63E-09	5.41E-11	2.67E-09
2469	744460.75	4107979.84	1.16E-08	2.12E-08	1.16E-09	3.40E-08	1.80E-09	3.47E-09	1.74E-10	5.45E-09	1.75E-09	2.99E-09	2.21E-10	4.96E-09	9.96E-10	1.65E-09	5.46E-11	2.70E-09
2470	744481.02	4107993.56	1.17E-08	2.14E-08	1.17E-09	3.43E-08	1.82E-09	3.51E-09	1.76E-10	5.50E-09	1.77E-09	3.02E-09	2.24E-10	5.01E-09	1.01E-09	1.66E-09	5.52E-11	2.73E-09
2471	744501.29	4108007.28	1.19E-08	2.16E-08	1.19E-09	3.46E-08	1.84E-09	3.54E-09	1.78E-10	5.56E-09	1.79E-09	3.05E-09	2.26E-10	5.06E-09	1.02E-09	1.68E-09	5.57E-11	2.75E-09
2472	744521.56	4108021	1.20E-08	2.18E-08	1.20E-09	3.50E-08	1.86E-09	3.58E-09	1.80E-10	5.62E-09	1.81E-09	3.08E-09	2.28E-10	5.11E-09	1.03E-09	1.70E-09	5.63E-11	2.78E-09
2473	744541.83	4108034.71	1.21E-08	2.20E-08	1.21E-09	3.54E-08	1.88E-09	3.61E-09	1.82E-10	5.67E-09	1.82E-09	3.11E-09	2.31E-10	5.16E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
2474	744562.09	4108048.43	1.22E-08	2.22E-08	1.22E-09	3.57E-08	1.89E-09	3.65E-09	1.83E-10	5.72E-09	1.84E-09	3.14E-09	2.33E-10	5.21E-09	1.05E-09	1.73E-09	5.74E-11	2.83E-09
2475	744582.36	4108062.15	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.77E-09	1.86E-09	3.16E-09	2.35E-10	5.26E-09	1.05E-09	1.75E-09	5.79E-11	2.86E-09
2476	744602.63	4108075.87	1.24E-08	2.26E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.81E-09	1.87E-09	3.19E-09	2.36E-10	5.29E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
2477	744622.9	4108089.59	1.25E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.85E-09	1.88E-09	3.21E-09	2.38E-10	5.32E-09	1.07E-09	1.77E-09	5.86E-11	2.89E-09
2478	744643.16	4108103.3	1.25E-08	2.28E-08	1.25E-09	3.66E-08	1.94E-09	3.74E-09	1.88E-10	5.87E-09	1.89E-09	3.22E-09	2.39E-10	5.35E-09	1.07E-09	1.78E-09	5.89E-11	2.91E-09
2479	740407.21	4107226.08	3.46E-09	6.30E-09	3.46E-10	1.01E-08	5.36E-10	1.03E-09	5.19E-11	1.62E-09	5.22E-10	8.89E-10	6.59E-11	1.48E-09	2.96E-10	4.90E-10	1.63E-11	8.03E-10
2480	740386.57	4107239.34	3.49E-09	6.37E-09	3.50E-10	1.02E-08	5.42E-10	1.04E-09	5.24E-11	1.64E-09	5.27E-10	8.98E-10	6.66E-11	1.49E-09	2.99E-10	4.95E-10	1.64E-11	8.11E-10
2481	740365.93	4107252.6	3.54E-09	6.45E-09	3.54E-10	1.03E-08	5.49E-10	1.06E-09	5.31E-11	1.66E-09	5.33E-10	9.09E-10	6.74E-11	1.51E-09	3.03E-10	5.01E-10	1.66E-11	8.21E-10
2482	740345.3	4107265.85	3.59E-09	6.54E-09	3.59E-10	1.05E-08	5.56E-10	1.07E-09	5.38E-11	1.68E-09	5.41E-10	9.22E-10	6.83E-11	1.53E-09	3.07E-10	5.09E-10	1.69E-11	8.33E-10
2483	740324.66	4107279.11	3.64E-09	6.64E-09	3.65E-10	1.06E-08	5.65E-10	1.09E-09	5.47E-11	1.71E-09	5.49E-10	9.37E-10	6.94E-11	1.56E-09	3.12E-10	5.17E-10	1.71E-11	8.46E-10
2484	740304.02	4107292.37	3.70E-09	6.75E-09	3.71E-10	1.08E-08	5.74E-10	1.11E-09	5.56E-11	1.74E-09	5.59E-10	9.52E-10	7.06E-11	1.58E-09	3.17E-10	5.25E-10	1.74E-11	8.60E-10
2485	740283.38	4107305.62	3.77E-09	6.86E-09	3.77E-10	1.10E-08	5.84E-10	1.13E-09	5.65E-11	1.77E-09	5.68E-10	9.68E-10	7.18E-11	1.61E-09	3.23E-10	5.34E-10	1.77E-11	8.75E-10
2486	741943.03	4109938.39	2.89E-06	5.26E-06	2.89E-07	8.44E-06	4.48E-07	8.62E-07	4.33E-08	1.35E-06	4.35E-07	7.42E-07	5.50E-08	1.23E-06	2.47E-07	4.09E-07	1.36E-08	6.70E-07
2487	741960.55	4109963.31	3.76E-06	6.85E-06	3.76E-07	1.10E-05	5.83E-07	1.12E-06	5.64E-08	1.76E-06	5.67E-07	9.66E-07	7.16E-08	1.60E-06	3.22E-07	5.33E-07	1.77E-08	8.73E-07
2488	741977.05	4109990.24	4.19E-06	7.64E-06	4.20E-07	1.23E-05	6.50E-07	1.25E-06	6.29E-08	1.97E-06	6.32E-07	1.08E-06	7.99E-08	1.79E-06	3.59E-07	5.95E-07	1.97E-08	9.74E-07

2489	741913.25	4109921.94	1.52E-06	2.77E-06	1.52E-07	4.45E-06	2.36E-07	4.55E-07	2.28E-08	7.14E-07	2.30E-07	3.91E-07	2.90E-08	6.50E-07	1.30E-07	2.16E-07	7.15E-09	3.53E-07
2490	741934.39	4109952.35	3.63E-06	6.61E-06	3.63E-07	1.06E-05	5.62E-07	1.08E-06	5.44E-08	1.70E-06	5.47E-07	9.32E-07	6.91E-08	1.55E-06	3.11E-07	5.14E-07	1.70E-08	8.42E-07
2491	741957.94	4109988.34	4.30E-06	7.83E-06	4.30E-07	1.26E-05	6.66E-07	1.28E-06	6.45E-08	2.01E-06	6.48E-07	1.10E-06	8.18E-08	1.83E-06	3.68E-07	6.09E-07	2.02E-08	9.97E-07
2492	741892.15	4109935.35	1.45E-06	2.64E-06	1.45E-07	4.24E-06	2.25E-07	4.33E-07	2.18E-08	6.80E-07	2.19E-07	3.73E-07	2.76E-08	6.19E-07	1.24E-07	2.06E-07	6.82E-09	3.37E-07
2493	741896.42	4109882.11	7.53E-07	1.37E-06	7.53E-08	2.20E-06	1.17E-07	2.25E-07	1.13E-08	3.53E-07	1.14E-07	1.93E-07	1.43E-08	3.21E-07	6.45E-08	1.07E-07	3.54E-09	1.75E-07
2494	741871.05	4109948.76	1.40E-06	2.54E-06	1.40E-07	4.08E-06	2.16E-07	4.17E-07	2.09E-08	6.54E-07	2.10E-07	3.59E-07	2.66E-08	5.96E-07	1.20E-07	1.98E-07	6.56E-09	3.24E-07
2495	741864.42	4109911.18	8.08E-07	1.47E-06	8.09E-08	2.36E-06	1.25E-07	2.42E-07	1.21E-08	3.79E-07	1.22E-07	2.08E-07	1.54E-08	3.45E-07	6.93E-08	1.15E-07	3.80E-09	1.88E-07
2496	741872	4109876.74	6.06E-07	1.10E-06	6.07E-08	1.77E-06	9.40E-08	1.81E-07	9.10E-09	2.84E-07	9.14E-08	1.56E-07	1.16E-08	2.59E-07	5.19E-08	8.60E-08	2.85E-09	1.41E-07
2497	741828.86	4109975.59	1.25E-06	2.27E-06	1.25E-07	3.64E-06	1.93E-07	3.72E-07	1.87E-08	5.84E-07	1.88E-07	3.20E-07	2.38E-08	5.32E-07	1.07E-07	1.77E-07	5.86E-09	2.89E-07
2498	741822.22	4109938.01	7.65E-07	1.39E-06	7.66E-08	2.24E-06	1.19E-07	2.29E-07	1.15E-08	3.59E-07	1.15E-07	1.97E-07	1.46E-08	3.27E-07	6.56E-08	1.09E-07	3.60E-09	1.78E-07
2499	741815.59	4109900.43	5.37E-07	9.78E-07	5.37E-08	1.57E-06	8.32E-08	1.60E-07	8.05E-09	2.52E-07	8.09E-08	1.38E-07	1.02E-08	2.29E-07	4.60E-08	7.61E-08	2.52E-09	1.25E-07
2500	741823.17	4109865.98	4.29E-07	7.82E-07	4.29E-08	1.25E-06	6.66E-08	1.28E-07	6.44E-09	2.01E-07	6.47E-08	1.10E-07	8.18E-09	1.83E-07	3.68E-08	6.09E-08	2.02E-09	9.97E-08
2501	741844.98	4109834.67	3.65E-07	6.66E-07	3.65E-08	1.07E-06	5.66E-08	1.09E-07	5.48E-09	1.71E-07	5.51E-08	9.39E-08	6.96E-09	1.56E-07	3.13E-08	5.18E-08	1.72E-09	8.48E-08
2502	741773.39	4109927.26	5.26E-07	9.58E-07	5.26E-08	1.54E-06	8.15E-08	1.57E-07	7.89E-09	2.46E-07	7.93E-08	1.35E-07	1.00E-08	2.24E-07	4.50E-08	7.45E-08	2.47E-09	1.22E-07
2503	741766.76	4109889.68	3.95E-07	7.19E-07	3.95E-08	1.15E-06	6.12E-08	1.18E-07	5.93E-09	1.85E-07	5.95E-08	1.01E-07	7.52E-09	1.69E-07	3.38E-08	5.60E-08	1.86E-09	9.17E-08
2504	741774.34	4109855.23	3.28E-07	5.97E-07	3.28E-08	9.58E-07	5.08E-08	9.79E-08	4.92E-09	1.54E-07	4.94E-08	8.42E-08	6.24E-09	1.40E-07	2.81E-08	4.65E-08	1.54E-09	7.61E-08
2505	741796.15	4109823.91	2.86E-07	5.22E-07	2.86E-08	8.37E-07	4.44E-08	8.55E-08	4.30E-09	1.34E-07	4.32E-08	7.36E-08	5.45E-09	1.22E-07	2.45E-08	4.06E-08	1.35E-09	6.65E-08
2506	741817.96	4109792.6	2.44E-07	4.45E-07	2.44E-08	7.14E-07	3.79E-08	7.30E-08	3.67E-09	1.15E-07	3.68E-08	6.28E-08	4.66E-09	1.04E-07	2.09E-08	3.46E-08	1.15E-09	5.67E-08
2507	741801.43	4110039.2	1.40E-06	2.54E-06	1.40E-07	4.08E-06	2.17E-07	4.17E-07	2.10E-08	6.55E-07	2.11E-07	3.59E-07	2.66E-08	5.96E-07	1.20E-07	1.98E-07	6.56E-09	3.24E-07
2508	741824.31	4110075.2	1.63E-06	2.97E-06	1.63E-07	4.76E-06	2.53E-07	4.87E-07	2.45E-08	7.64E-07	2.46E-07	4.19E-07	3.11E-08	6.96E-07	1.40E-07	2.31E-07	7.66E-09	3.78E-07
2509	741744.1	4110027.15	7.54E-07	1.37E-06	7.54E-08	2.20E-06	1.17E-07	2.25E-07	1.13E-08	3.53E-07	1.14E-07	1.94E-07	1.44E-08	3.22E-07	6.46E-08	1.07E-07	3.54E-09	1.75E-07
2510	741736.73	4109985.4	6.19E-07	1.13E-06	6.20E-08	1.81E-06	9.60E-08	1.85E-07	9.29E-09	2.90E-07	9.34E-08	1.59E-07	1.18E-08	2.64E-07	5.31E-08	8.78E-08	2.91E-09	1.44E-07
2511	741729.36	4109943.64	4.70E-07	8.57E-07	4.71E-08	1.37E-06	7.29E-08	1.41E-07	7.06E-09	2.21E-07	7.09E-08	1.21E-07	8.96E-09	2.01E-07	4.03E-08	6.67E-08	2.21E-09	1.09E-07
2512	741726.73	4109842.74	2.61E-07	4.75E-07	2.61E-08	7.61E-07	4.04E-08	7.78E-08	3.91E-09	1.22E-07	3.93E-08	6.70E-08	4.96E-09	1.11E-07	2.23E-08	3.69E-08	1.22E-09	6.05E-08
2513	741750.96	4109807.94	2.29E-07	4.17E-07	2.29E-08	6.69E-07	3.55E-08	6.84E-08	3.43E-09	1.07E-07	3.45E-08	5.88E-08	4.36E-09	9.77E-08	1.96E-08	3.24E-08	1.08E-09	5.31E-08
2514	741775.19	4109773.15	1.94E-07	3.54E-07	1.95E-08	5.68E-07	3.02E-08	5.81E-08	2.92E-09	9.12E-08	2.93E-08	5.00E-08	3.71E-09	8.30E-08	1.67E-08	2.76E-08	9.14E-10	4.52E-08
2515	741799.42	4109738.35	1.67E-07	3.04E-07	1.67E-08	4.88E-07	2.59E-08	4.98E-08	2.50E-09	7.82E-08	2.52E-08	4.29E-08	3.18E-09	7.12E-08	1.43E-08	2.37E-08	7.84E-10	3.87E-08
2516	741759.23	4110066.03	8.64E-07	1.57E-06	8.65E-08	2.53E-06	1.34E-07	2.58E-07	1.30E-08	4.05E-07	1.30E-07	2.22E-07	1.65E-08	3.69E-07	7.41E-08	1.23E-07	4.06E-09	2.01E-07
2517	741782.12	4110102.02	9.35E-07	1.70E-06	9.36E-08	2.73E-06	1.45E-07	2.79E-07	1.40E-08	4.39E-07	1.41E-07	2.40E-07	1.78E-08	3.99E-07	8.02E-08	1.33E-07	4.40E-09	2.17E-07
2518	741701.98	4110054.36	5.63E-07	1.03E-06	5.63E-08	1.65E-06	8.73E-08	1.68E-07	8.45E-09	2.64E-07	8.49E-08	1.45E-07	1.07E-08	2.40E-07	4.83E-08	7.99E-08	2.65E-09	1.31E-07
2519	741694.74	4110013.36	5.23E-07	9.52E-07	5.23E-08	1.53E-06	8.11E-08	1.56E-07	7.84E-09	2.45E-07	7.88E-08	1.34E-07	9.96E-09	2.23E-07	4.48E-08	7.41E-08	2.46E-09	1.21E-07
2520	741687.5	4109972.37	4.44E-07	8.08E-07	4.44E-08	1.30E-06	6.88E-08	1.33E-07	6.66E-09	2.08E-07	6.69E-08	1.14E-07	8.45E-09	1.89E-07	3.80E-08	6.29E-08	2.08E-09	1.03E-07
2521	741680.26	4109931.37	3.56E-07	6.49E-07	3.56E-08	1.04E-06	5.52E-08	1.06E-07	5.34E-09	1.67E-07	5.37E-08	9.15E-08	6.78E-09	1.52E-07	3.05E-08	5.05E-08	1.67E-09	8.26E-08
2522	741673.02	4109890.38	2.79E-07	5.09E-07	2.80E-08	8.16E-07	4.33E-08	8.35E-08	4.19E-09	1.31E-07	4.21E-08	7.18E-08	5.32E-09	1.19E-07	2.39E-08	3.96E-08	1.31E-09	6.49E-08
2523	741701.47	4109798.14	1.93E-07	3.52E-07	1.93E-08	5.64E-07	2.99E-08	5.77E-08	2.90E-09	9.05E-08	2.91E-08	4.96E-08	3.68E-09	8.24E-08	1.65E-08	2.74E-08	9.07E-10	4.48E-08
2524	741725.26	4109763.97	1.68E-07	3.06E-07	1.68E-08	4.91E-07	2.60E-08	5.02E-08	2.52E-09	7.87E-08	2.53E-08	4.32E-08	3.20E-09	7.17E-08	1.44E-08	2.38E-08	7.89E-10	3.90E-08
2525	741749.05	4109729.81	1.44E-07	2.63E-07	1.44E-08	4.22E-07	2.24E-08	4.31E-08	2.17E-09	6.77E-08	2.18E-08	3.71E-08	2.75E-09	6.16E-08	1.24E-08	2.05E-08	6.78E-10	3.35E-08
2526	741772.84	4109695.65	1.27E-07	2.32E-07	1.27E-08	3.72E-07	1.98E-08	3.81E-08	1.91E-09	5.97E-08	1.92E-08	3.27E-08	2.43E-09	5.44E-08	1.09E-08	1.81E-08	5.99E-10	2.96E-08
2527	741717.04	4110092.86	5.95E-07	1.08E-06	5.95E-08	1.74E-06	9.22E-08	1.78E-07	8.93E-09	2.79E-07	8.97E-08	1.53E-07	1.13E-08	2.54E-07	5.10E-08	8.43E-08	2.79E-09	1.38E-07
2528	741739.92	4110128.85	6.16E-07	1.12E-06	6.16E-08	1.80E-06	9.55E-08	1.84E-07	9.25E-09	2.89E-07	9.29E-08	1.58E-07	1.17E-08	2.63E-07	5.28E-08	8.74E-08	2.90E-09	1.43E-07
2529	741617.67	4110108.47	3.34E-07	6.09E-07	3.35E-08	9.77E-07	5.19E-08	9.99E-08	5.02E-09	1.57E-07	5.04E-08	8.60E-08	6.37E-09	1.43E-07	2.87E-08	4.74E-08	1.57E-09	7.77E-08
2530	741610.59	4110068.38	3.43E-07	6.25E-07	3.43E-08	1.00E-06	5.32E-08	1.02E-07	5.15E-09	1.61E-07	5.17E-08	8.81E-08	6.53E-09	1.46E-07	2.94E-08	4.86E-08	1.61E-09	7.96E-08
2531	741603.51	4110028.3	3.35E-07	6.11E-07	3.35E-08	9.80E-07	5.20E-08	1.00E-07	5.03E-09	1.57E-07	5.05E-08	8.62E-08	6.39E-09	1.43E-07	2.87E-08	4.75E-08	1.58E-09	7.78E-08
2532	741596.43	4109988.21	3.09E-07	5.63E-07	3.09E-08	9.02E-07	4.79E-08	9.23E-08	4.64E-09	1.45E-07	4.66E-08	7.94E-08	5.89E-09	1.32E-07	2.65E-08	4.38E-08	1.45E-09	7.17E-08
2533	741589.35	4109948.13	2.72E-07	4.96E-07	2.72E-08	7.95E-07	4.22E-08	8.12E-08	4.08E-09	1.28E-07	4.10E-08	6.99E-08	5.18E-09	1.16E-07	2.33E-08	3.86E-08	1.28E-09	6.31E-08
2534	741582.28	4109908.04	2.31E-07	4.20E-07	2.31E-08	6.74E-07	3.58E-08	6.89E-08	3.46E-09	1.08E-07	3.48E-08	5.93E-08	4.39E-09	9.85E-08	1.98E-08	3.27E-08	1.08E-09	5.35E-08
2535	741575.2	4109867.96	1.92E-07	3.50E-07	1.92E-08	5.61E-07	2.98E-08	5.73E-08	2.88E-09	9.00E-08	2.89E-08	4.93E-08	3.66E-09	8.19E-08	1.64E-08	2.72E-08	9.02E-10	4.46E-08
2536	741579.75	4109811.17	1.54E-07	2.81E-07	1.54E-08	4.51E-07	2.39E-08	4.61E-08	2.32E-09	7.23E-08	2.33E-08	3.97E-08	2.94E-09	6.59E-08	1.32E-08	2.19E-08	7.25E-10	3.58E-08
2537	741603.01	4109777.77	1.42E-07	2.58E-07	1.42E-08	4.15E-07	2.20E-08	4.24E-08	2.13E-09	6.65E-08	2.14E-08	3.65E-08	2.70E-09	6.06E-08	1.22E-08	2.01E-08	6.67E-10	3.29E-08
2538	741649.54	4109710.96	1.15E-07	2.09E-07	1.15E-08	3.35E-07	1.78E-08	3.42E-08	1.72E-09	5.37E-08	1.73E-08	2.95E-08	2.18E-09	4.89E-08	9.82E-09	1.63E-08	5.39E-10	2.66E-08
2539	741672.8	4109677.56	1.01E-07	1.84E-07	1.01E-08	2.95E-07	1.57E-08	3.02E-08	1.52E-09	4.73E-08	1.52E-08	2.60E-08	1.92E-09	4.31E-08	8.65E-09	1.43E-08	4.75E-10	2.34E-08
2540	741696.06	4109644.16	9.05E-08	1.65E-07	9.06E-09	2.65E-07	1.40E-08	2.70E-08	1.36E-09	4.24E-08	1.37E-08	2.33E-08	1.73E-09	3.87E-08	7.76E-09	1.28E-08	4.25E-10	2.10E-08
2541	741719.32	4109610.75	8.34E-08	1.52E-07	8.34E-09	2.44E-07	1.29E-08	2.49E-08	1.25E-09	3.91E-08	1.26E-08	2.14E-08	1.59E-09	3.56E-08	7.14E-09	1.18E-08	3.92E-10	1.94E-08
2542	741632.65	4110146.51	3.30E-07	6.02E-07	3.31E-08	9.65E-07	5.12E-08	9.87E-08	4.96E-09	1.55E-07	4.98E-08	8.49E-08	6.30E-09	1.41E-07	2.83E-08	4.68E-08	1.55E-09	7.67E-08
2543	741655.53	4110182.5	3.32E-07	6.05E-07	3.32E-08	9.70E-07	5.15E-08	9.92E-08	4.98E-09	1.56E-07	5.01E-08	8.53E-08	6.33E-09	1.42E-07	2.84E-08	4.71E-08	1.56E-09	7.71E-08
2544	741533.13	4110161.29	2.17E-07	3.95E-07	2.17E-08	6.34E-07	3.36E-08	6.48E-08	3.26E-09	1.02E-07	3.27E-08	5.58E-08	4.13E-09	9.26E-08	1.86E-08	3.08E-08	1.02E-09	5.04E-08
2545	741525.76	4110119.53	2.30E-07	4.19E-07	2.30E-08	6.72E-07	3.56E-08	6.87E-08	3.45E-09	1.08E-07	3.47E-08	5.91E-08	4.38E-09	9.81E-08	1.97E-08	3.26E-08	1.08E-09	5.34E-08
2546	741518.39	4110077.78	2.38E-07	4.34E-07	2.38E-08	6.95E-07	3.69E-08	7.11E-08	3.57E-09	1.12E-07	3.59E-08	6.12E-08	4.53E-09	1.02E-07	2.04E-08	3.37E-08	1.12E-09	5.53E-08
2547	741511.01	4110036.02	2.36E-07	4.29E-07	2.36E-08	6.89E-07	3.66E-08	7.04E-08	3.54E-09	1.11E-07	3.55E-08	6.06E-08	4.49E-09	1.01E-07	2.02E-08	3.34E-08	1.11E-09	5.47E-08
2548	741503.64	4109994.27	2.22E-07	4.05E-07	2.22E-08	6.49E-07	3.44E-08	6.64E-08	3.33E-09	1.04E-07	3.35E-08	5.71E-08	4.23E-09	9.48E-08	1.90E-08	3.15E-08	1.04E-09	5.16E-08
2549	741496.27	4109952.51	2.02E-07	3.68E-07	2.02E-08	5.90E-07	3.13E-08	6.03E-08	3.03E-09	9.47E-08	3.05E-08	5.19E-08	3.85E-09	8.62E-08	1.73E-08	2.86E-08	9.49E-10	4.69E-08
2550	741488.89	4109910.76	1.79E-07	3.26E-07	1.79E-08	5.22E-07	2.77E-08	5.34E-08	2.68E-09	8.38E-08	2.70E-08	4.60E-08	3.41E-09	7.63E-08	1.53E-08	2.54E-08	8.40E-10	4.15E-08
2551	741481.52	4109869	1.55E-07	2.82E-07	1.55E-08	4.53E-07	2.40E-08	4.63E-08	2.33E-09	7.27E-08	2.34E-08	3.98E-08	2.95E-09	6.62E-08	1.33E-08	2.20E-08	7.28E-10	3.60E-08
2552	741474.15	4109827.25	1.33E-07	2.43E-07	1.34E-08	3.90E-07	2.07E-08	3.99E-08	2.00E-09	6.26E-08	2.01E-08	3.43E-08	2.54E-09	5.70E-08	1.14E-08	1.89E-08	6.27E-10	3.10E-08
2553	741482.58	4109788.97	1.19E-07	2.17E-07	1.19E-08	3.48E-07	1.85E-08	3.56E-08	1.79E-09	5.59E-08	1.80E-08	3.06E-08	2.27E-09	5.09E-08	1.02E-08	1.69E-08	5.60E-10	2.77E-08
2554	741506.81	4109754.18	1.09E-07	1.99E-07	1.09E-08	3.19E-07	1.69E-08	3.26E-08	1.64E-09	5.12E-08	1.65E-08	2.81E-08	2.08E-09	4.67E-08	9.36E-09	1.55E-08	5.14E-10	2.54E-08
2555	741531.04	4109719.38	9.94E-08	1.81E-07	9.94E-09	2.90E-07	1.54E-08	2.97E-08	1.49E-09	4.66E-08	1.50E-08	2.55E-08	1.89E-09	4.24E-08	8.52E-09	1.41E-08	4.67E-10	2.31E-08
2556	741555.27	4109684.58	9.02E-08	1.64E-07	9.03E-09	2.64E-07	1.40E-08	2.70E-08	1.35E-09	4.23E-08	1.36E-08	2.32E-08	1.72E-09	3.85E-08	7.73E-09	1.28E-08	4.24E-10	2.10E-08
2557	741603.73	4109614.99	7.33E-08	1.34E-07	7.33E-09	2.14E-07	1.14E-08	2.19E-08	1.10E-09	3.44E-08	1.11E-08	1.88E-08	1.40E-09	3.13E-08	6.28E-09	1.04E-08	3.44E-10	1.70E-08
2558	741627.96	4109580.2	6.68E-08	1.22E-07	6.68E-09	1.95E-07	1.04E-08	2.00E-08	1.00E-09	3.13E-08	1.01E-08	1.72E-08	1.27E-09	2.85E-08	5.72E-09	9.47E-09	3.14E-10	1.55E-08
2559	741652.19	4109545.4	6.22E-08	1.13E-07	6.23E-09	1.82E-07	9.65E-09	1.86E-08	9.34E-10	2.92E-08	9.38E-09	1.60E-08	1.19E-09	2.66E-08	5.33E-09	8.82E-09	2.92E-10	1.44E-08
2560	741548.26	4110200.16	2.12E-07	3.86E-07	2.12E-08	6.19E-07	3.28E-08	6.33E-08	3.18E-09	9.93E-08	3.19E-08	5.44E-08	4.03E-09	9.04E-08	1.81E-08	3.00E-08	9.95E-10	4.92E-08
2561	741571.15	4110236.16	2.14E-07	3.90E-07	2.14E-08	6.26E-07	3.32E-08	6.40E-08	3.22E-09	1.00E-07	3.23E-08	5.51E-08	4.08E-09	9.15E-08	1.84E-08	3.04E-08	1.01E-09	4.97E-08
2562	741448.81	4110215.32	1.52E-07	2.77E-07	1.52E-08	4.44E-07	2.35E-08	4.54E-08	2.28E-09	7.12E-08	2.29E-08	3.90E-08	2.89E-09	6.48E-08	1.30E-08	2.15E-08	7.14E-10	3.53E-08
2563	741441.57	4110174.32	1.61E-07	2.92E-07	1.61E-08	4.69E-07	2.49E-08	4.80E-08	2.41E-09	7.53E-08	2.42E-08	4.13E-08	3.06E-09	6.85E-08	1.38E-08	2.28E-08	7.54E-10	3.73E-08
2564	741434.33	4110133.33	1.71E-07	3.11E-07	1.71E-08	4.99E-07	2.65E-08	5.10E-08	2.56E-09	8.00E-08	2.57E-08	4.39E-08	3.25E-09	7.29E-08	1.46E-08	2.42E-08	8.02E-10	3.96E-08
2565	741427.09	4110092.33	1.78E-07	3.24E-07	1.78E-08	5.20E-07	2.76E-08	5.32E-08	2.67E-09	8.35E-08	2.68E-08	4.58E-08	3.39E-09	7.60E-08	1.53E-08	2.52E-08	8.37E-10	4.13E-08
2566	741419.85	4110051.33	1.79E-07	3.25E-07	1.79E-08	5.22E-07	2.77E-08	5.33E-08	2.68E-09	8.37E-08	2.69E-08	4.59E-08	3.40E-09	7.62E-08	1.53E-08	2.53E-08	8.39E-10	4.15E-08
2567	741412.61	4110010.34	1.72E-07	3.13E-07	1.72E-08	5.01E-07	2.66E-08	5.12E-08	2.57E-09	8.04E-08	2.59E-08	4.41E-08	3.27E-09	7.32E-08	1.47E-08	2.43E-08	8.06E-10	3.98E-08
2568	741405.38	4109969.34	1.60E-07	2.91E-07	1.60E-08	4.67E-07	2.48E-08	4.77E-08	2.40E-09	7.49E-08	2.41E-08	4.11E-08	3.05E-09	6.82E-08	1.37E-08	2.27E-08	7.51E-10	3.71E-08
2569	741398.14	4109928.35	1.46E-07	2.67E-07	1.47E-08	4.28E-07	2.27E-08	4.38E-08	2.20E-09	6.87E-08	2.21E-08	3.77E-08	2.79E-09	6.25E-08	1.26E-08	2.08E-08	6.88E-10	3.40E-08
2570	741390.9	4109887.35	1.33E-07	2.42E-07	1.33E-08	3.87E-07	2.06E-08	3.96E-08	1.99E-09	6.22E-08	2.00E-08	3.41E-08	2.53E-09	5.66E-08	1.14E-08	1.88E-08	6.23E-10	3.08E-08
2571	741383.66	4109846.36	1.19E-07	2.16E-07	1.19E-08	3.47E-07	1.84E-08	3.55E-08	1.78E-09	5.57E-08	1.79E-08	3.05E-08	2.26E-09	5.07E-08	1.02E-08	1.68E-08	5.58E-10	2.76E-08
2572	741376.42	4109805.36	1.06E-07	1.93E-07	1.06E-08	3.09E-07	1.64E-08	3.16E-08	1.59E-09	4.95E-08	1.59E-08	2.72E-08	2.01E-09	4.51E-08	9.05E-09	1.50E-08	4.97E-10	2.45E-08
2573	741384.7	4109767.78	9.65E-08	1.76E-07	9.65E-09	2.82E-07	1.50E-08	2.88E-08	1.45E-09	4.52E-08	1.45E-08	2.48E-08	1.84E-09	4.12E-08	8.26E-09	1.37E-08	4.53E-10	2.24E-08
2574	741408.49	4109733.62	8.93E-08	1.63E-07	8.94E-09	2.61E-07	1.39E-08	2.67E-08	1.34E-09	4.19E-08	1.35E-08	2.30E-08	1.70E-09	3.81E-08	7.66E-09	1.27E-08	4.20E-10	2.07E-08
2575	741432.28	4109699.45	8.14E-08	1.48E-07	8.14E-09	2.38E-07	1.26E-08	2.43E-08	1.22E-09	3.82E-08	1.23E-08	2.09E-08	1.55E-09	3.47E-08	6.97E-09	1.15E-08	3.82E-10	1.89E-08
2576	741456.07	4109665.29	7.39E-08	1.35E-07	7.40E-09	2.16E-07	1.15E-08	2.21E-08	1.11E-09	3.47E-08	1.11E-08	1.90E-08	1.41E-09	3.16E-08	6.33E-09	1.05E-08	3.47E-10	1.72E-08
2577	741479.86	4109631.13	6.77E-08	1.23E-07	6.78E-09	1.98E-07	1.05E-08	2.02E-08	1.02E-09	3.18E-08	1.02E-08	1.74E-08	1.29E-09	2.89E-08	5.80E-09	9.60E-09	3.18E-10	1.57E-08

2578	741503.65	4109596.97	6.24E-08	1.14E-07	6.25E-09	1.82E-07	9.68E-09	1.87E-08	9.37E-10	2.93E-08	9.42E-09	1.61E-08	1.19E-09	2.67E-08	5.35E-09	8.85E-09	2.93E-10	1.45E-08
2579	741551.23	4109528.64	5.33E-08	9.72E-08	5.34E-09	1.56E-07	8.27E-09	1.59E-08	8.00E-10	2.50E-08	8.04E-09	1.37E-08	1.02E-09	2.28E-08	4.57E-09	7.56E-09	2.51E-10	1.24E-08
2580	741575.02	4109494.48	5.00E-08	9.11E-08	5.00E-09	1.46E-07	7.75E-09	1.49E-08	7.50E-10	2.34E-08	7.54E-09	1.29E-08	9.53E-10	2.13E-08	4.28E-09	7.09E-09	2.35E-10	1.16E-08
2581	741598.81	4109460.32	4.74E-08	8.63E-08	4.74E-09	1.38E-07	7.35E-09	1.42E-08	7.11E-10	2.22E-08	7.15E-09	1.22E-08	9.03E-10	2.02E-08	4.06E-09	6.72E-09	2.23E-10	1.10E-08
2582	741463.87	4110253.81	1.50E-07	2.73E-07	1.50E-08	4.38E-07	2.32E-08	4.48E-08	2.25E-09	7.03E-08	2.26E-08	3.85E-08	2.86E-09	6.40E-08	1.28E-08	2.13E-08	7.05E-10	3.48E-08
2583	741486.76	4110289.81	1.53E-07	2.78E-07	1.53E-08	4.46E-07	2.37E-08	4.56E-08	2.29E-09	7.16E-08	2.30E-08	3.93E-08	2.91E-09	6.52E-08	1.31E-08	2.17E-08	7.18E-10	3.55E-08
2584	741364.47	4110269.23	1.14E-07	2.08E-07	1.14E-08	3.33E-07	1.77E-08	3.41E-08	1.71E-09	5.35E-08	1.72E-08	2.93E-08	2.17E-09	4.87E-08	9.77E-09	1.62E-08	5.36E-10	2.65E-08
2585	741357.32	4110228.76	1.19E-07	2.16E-07	1.19E-08	3.46E-07	1.84E-08	3.54E-08	1.78E-09	5.56E-08	1.79E-08	3.05E-08	2.26E-09	5.06E-08	1.02E-08	1.68E-08	5.57E-10	2.75E-08
2586	741350.18	4110188.29	1.25E-07	2.29E-07	1.26E-08	3.67E-07	1.95E-08	3.75E-08	1.88E-09	5.88E-08	1.89E-08	3.22E-08	2.39E-09	5.36E-08	1.07E-08	1.78E-08	5.90E-10	2.91E-08
2587	741343.03	4110147.82	1.34E-07	2.43E-07	1.34E-08	3.90E-07	2.07E-08	3.99E-08	2.00E-09	6.26E-08	2.01E-08	3.43E-08	2.54E-09	5.70E-08	1.14E-08	1.89E-08	6.27E-10	3.10E-08
2588	741335.88	4110107.35	1.40E-07	2.55E-07	1.40E-08	4.09E-07	2.17E-08	4.18E-08	2.10E-09	6.56E-08	2.11E-08	3.60E-08	2.66E-09	5.97E-08	1.20E-08	1.98E-08	6.57E-10	3.25E-08
2589	741328.74	4110066.88	1.42E-07	2.58E-07	1.42E-08	4.14E-07	2.19E-08	4.23E-08	2.12E-09	6.63E-08	2.13E-08	3.64E-08	2.70E-09	6.04E-08	1.21E-08	2.01E-08	6.65E-10	3.29E-08
2590	741321.59	4110026.41	1.38E-07	2.51E-07	1.38E-08	4.02E-07	2.13E-08	4.11E-08	2.06E-09	6.45E-08	2.07E-08	3.54E-08	2.62E-09	5.87E-08	1.18E-08	1.95E-08	6.46E-10	3.19E-08
2591	741314.44	4109985.94	1.30E-07	2.36E-07	1.30E-08	3.79E-07	2.01E-08	3.88E-08	1.95E-09	6.08E-08	1.96E-08	3.34E-08	2.47E-09	5.54E-08	1.11E-08	1.84E-08	6.10E-10	3.01E-08
2592	741307.3	4109945.47	1.21E-07	2.20E-07	1.21E-08	3.53E-07	1.87E-08	3.61E-08	1.81E-09	5.66E-08	1.82E-08	3.10E-08	2.30E-09	5.15E-08	1.03E-08	1.71E-08	5.67E-10	2.80E-08
2593	741300.15	4109905	1.12E-07	2.04E-07	1.12E-08	3.27E-07	1.74E-08	3.34E-08	1.68E-09	5.25E-08	1.69E-08	2.88E-08	2.13E-09	4.78E-08	9.59E-09	1.59E-08	5.26E-10	2.60E-08
2594	741293.01	4109864.53	1.03E-07	1.88E-07	1.03E-08	3.02E-07	1.60E-08	3.09E-08	1.55E-09	4.84E-08	1.56E-08	2.66E-08	1.97E-09	4.41E-08	8.85E-09	1.46E-08	4.86E-10	2.40E-08
2595	741285.86	4109824.06	9.48E-08	1.73E-07	9.48E-09	2.77E-07	1.47E-08	2.83E-08	1.42E-09	4.44E-08	1.43E-08	2.44E-08	1.81E-09	4.05E-08	8.12E-09	1.34E-08	4.45E-10	2.20E-08
2596	741278.71	4109783.59	8.63E-08	1.57E-07	8.63E-09	2.52E-07	1.34E-08	2.58E-08	1.30E-09	4.05E-08	1.30E-08	2.22E-08	1.64E-09	3.68E-08	7.39E-09	1.22E-08	4.06E-10	2.00E-08
2597	741286.88	4109746.49	8.01E-08	1.46E-07	8.02E-09	2.34E-07	1.24E-08	2.39E-08	1.20E-09	3.76E-08	1.21E-08	2.06E-08	1.53E-09	3.42E-08	6.87E-09	1.14E-08	3.77E-10	1.86E-08
2598	741310.37	4109712.77	7.52E-08	1.37E-07	7.52E-09	2.20E-07	1.17E-08	2.25E-08	1.13E-09	3.52E-08	1.13E-08	1.93E-08	1.43E-09	3.21E-08	6.44E-09	1.07E-08	3.53E-10	1.75E-08
2599	741333.85	4109679.04	6.91E-08	1.26E-07	6.92E-09	2.02E-07	1.07E-08	2.07E-08	1.04E-09	3.24E-08	1.04E-08	1.78E-08	1.32E-09	2.95E-08	5.92E-09	9.80E-09	3.25E-10	1.61E-08
2600	741357.34	4109645.32	6.28E-08	1.14E-07	6.28E-09	1.83E-07	9.74E-09	1.88E-08	9.42E-10	2.94E-08	9.47E-09	1.61E-08	1.20E-09	2.68E-08	5.38E-09	8.90E-09	2.95E-10	1.46E-08
2601	741380.82	4109611.59	5.72E-08	1.04E-07	5.72E-09	1.67E-07	8.87E-09	1.71E-08	8.58E-10	2.68E-08	8.62E-09	1.47E-08	1.09E-09	2.44E-08	4.90E-09	8.11E-09	2.69E-10	1.33E-08
2602	741404.31	4109577.87	5.28E-08	9.63E-08	5.29E-09	1.54E-07	8.19E-09	1.58E-08	7.93E-10	2.48E-08	7.97E-09	1.36E-08	1.01E-09	2.26E-08	4.53E-09	7.49E-09	2.48E-10	1.23E-08
2603	741427.79	4109544.14	4.94E-08	9.00E-08	4.94E-09	1.44E-07	7.66E-09	1.48E-08	7.41E-10	2.32E-08	7.45E-09	1.27E-08	9.41E-10	2.11E-08	4.23E-09	7.00E-09	2.32E-10	1.15E-08
2604	741451.28	4109510.42	4.64E-08	8.46E-08	4.64E-09	1.36E-07	7.20E-09	1.39E-08	6.97E-10	2.18E-08	7.00E-09	1.19E-08	8.84E-10	1.98E-08	3.98E-09	6.58E-09	2.18E-10	1.08E-08
2605	741498.25	4109442.97	4.14E-08	7.55E-08	4.15E-09	1.21E-07	6.43E-09	1.24E-08	6.22E-10	1.94E-08	6.25E-09	1.07E-08	7.90E-10	1.77E-08	3.55E-09	5.88E-09	1.95E-10	9.62E-09
2606	741521.74	4109409.25	3.95E-08	7.19E-08	3.95E-09	1.15E-07	6.12E-09	1.18E-08	5.92E-10	1.85E-08	5.95E-09	1.01E-08	7.52E-10	1.69E-08	3.38E-09	5.60E-09	1.86E-10	9.17E-09
2607	741545.22	4109375.52	3.77E-08	6.87E-08	3.77E-09	1.10E-07	5.85E-09	1.13E-08	5.66E-10	1.77E-08	5.69E-09	9.70E-09	7.19E-10	1.61E-08	3.23E-09	5.35E-09	1.77E-10	8.76E-09
2608	741379.48	4110307.47	1.14E-07	2.07E-07	1.14E-08	3.32E-07	1.76E-08	3.40E-08	1.71E-09	5.33E-08	1.72E-08	2.92E-08	2.17E-09	4.86E-08	9.75E-09	1.61E-08	5.35E-10	2.64E-08
2609	741402.37	4110343.46	1.16E-07	2.12E-07	1.16E-08	3.39E-07	1.80E-08	3.47E-08	1.74E-09	5.44E-08	1.75E-08	2.99E-08	2.21E-09	4.96E-08	9.95E-09	1.65E-08	5.46E-10	2.70E-08
2610	741195.65	4110376.28	7.36E-08	1.34E-07	7.36E-09	2.15E-07	1.14E-08	2.20E-08	1.10E-09	3.45E-08	1.11E-08	1.89E-08	1.40E-09	3.14E-08	6.30E-09	1.04E-08	3.46E-10	1.71E-08
2611	741188.41	4110335.28	7.49E-08	1.36E-07	7.49E-09	2.19E-07	1.16E-08	2.24E-08	1.12E-09	3.51E-08	1.13E-08	1.92E-08	1.43E-09	3.20E-08	6.42E-09	1.06E-08	3.52E-10	1.74E-08
2612	741181.17	4110294.28	7.70E-08	1.40E-07	7.70E-09	2.25E-07	1.19E-08	2.30E-08	1.16E-09	3.61E-08	1.16E-08	1.98E-08	1.47E-09	3.29E-08	6.60E-09	1.09E-08	3.62E-10	1.79E-08
2613	741173.93	4110253.29	8.05E-08	1.47E-07	8.05E-09	2.35E-07	1.25E-08	2.40E-08	1.21E-09	3.77E-08	1.21E-08	2.07E-08	1.53E-09	3.44E-08	6.90E-09	1.14E-08	3.78E-10	1.87E-08
2614	741166.69	4110212.29	8.54E-08	1.56E-07	8.55E-09	2.50E-07	1.32E-08	2.55E-08	1.28E-09	4.01E-08	1.29E-08	2.20E-08	1.63E-09	3.65E-08	7.32E-09	1.21E-08	4.01E-10	1.98E-08
2615	741159.45	4110171.3	9.10E-08	1.66E-07	9.11E-09	2.66E-07	1.41E-08	2.72E-08	1.37E-09	4.27E-08	1.37E-08	2.34E-08	1.73E-09	3.89E-08	7.80E-09	1.29E-08	4.28E-10	2.11E-08
2616	741152.21	4110130.3	9.56E-08	1.74E-07	9.56E-09	2.79E-07	1.48E-08	2.86E-08	1.43E-09	4.48E-08	1.44E-08	2.46E-08	1.82E-09	4.08E-08	8.19E-09	1.36E-08	4.49E-10	2.22E-08
2617	741144.97	4110089.31	9.73E-08	1.77E-07	9.73E-09	2.84E-07	1.51E-08	2.91E-08	1.46E-09	4.56E-08	1.47E-08	2.50E-08	1.85E-09	4.15E-08	8.34E-09	1.38E-08	4.57E-10	2.26E-08
2618	741137.73	4110048.31	9.54E-08	1.74E-07	9.55E-09	2.79E-07	1.48E-08	2.85E-08	1.43E-09	4.47E-08	1.44E-08	2.45E-08	1.82E-09	4.07E-08	8.18E-09	1.35E-08	4.48E-10	2.22E-08
2619	741130.49	4110007.31	9.08E-08	1.66E-07	9.09E-09	2.65E-07	1.41E-08	2.71E-08	1.36E-09	4.26E-08	1.37E-08	2.33E-08	1.73E-09	3.88E-08	7.78E-09	1.29E-08	4.27E-10	2.11E-08
2620	741123.25	4109966.32	8.51E-08	1.55E-07	8.52E-09	2.49E-07	1.32E-08	2.54E-08	1.28E-09	3.99E-08	1.28E-08	2.19E-08	1.62E-09	3.63E-08	7.29E-09	1.21E-08	4.00E-10	1.98E-08
2621	741116.02	4109925.32	7.98E-08	1.45E-07	7.98E-09	2.33E-07	1.24E-08	2.38E-08	1.20E-09	3.74E-08	1.20E-08	2.05E-08	1.52E-09	3.41E-08	6.83E-09	1.13E-08	3.75E-10	1.85E-08
2622	741108.78	4109884.33	7.53E-08	1.37E-07	7.53E-09	2.20E-07	1.17E-08	2.25E-08	1.13E-09	3.53E-08	1.14E-08	1.93E-08	1.43E-09	3.21E-08	6.45E-09	1.07E-08	3.54E-10	1.75E-08
2623	741101.54	4109843.33	7.14E-08	1.30E-07	7.15E-09	2.09E-07	1.11E-08	2.13E-08	1.07E-09	3.35E-08	1.08E-08	1.84E-08	1.36E-09	3.05E-08	6.12E-09	1.01E-08	3.36E-10	1.66E-08
2624	741094.3	4109802.33	6.77E-08	1.23E-07	6.77E-09	1.98E-07	1.05E-08	2.02E-08	1.02E-09	3.17E-08	1.02E-08	1.74E-08	1.29E-09	2.89E-08	5.80E-09	9.60E-09	3.18E-10	1.57E-08
2625	741087.06	4109761.34	6.38E-08	1.16E-07	6.38E-09	1.86E-07	9.89E-09	1.91E-08	9.57E-10	2.99E-08	9.62E-09	1.64E-08	1.22E-09	2.72E-08	5.46E-09	9.04E-09	3.00E-10	1.48E-08
2626	741091.72	4109703.26	5.84E-08	1.06E-07	5.84E-09	1.71E-07	9.06E-09	1.74E-08	8.77E-10	2.74E-08	8.81E-09	1.50E-08	1.11E-09	2.49E-08	5.00E-09	8.28E-09	2.74E-10	1.36E-08
2627	741115.51	4109669.1	5.57E-08	1.02E-07	5.58E-09	1.63E-07	8.64E-09	1.67E-08	8.37E-10	2.61E-08	8.41E-09	1.43E-08	1.06E-09	2.38E-08	4.78E-09	7.90E-09	2.62E-10	1.29E-08
2628	741139.3	4109634.94	5.23E-08	9.53E-08	5.23E-09	1.53E-07	8.11E-09	1.56E-08	7.85E-10	2.45E-08	7.89E-09	1.34E-08	9.97E-10	2.23E-08	4.48E-09	7.41E-09	2.46E-10	1.21E-08
2629	741163.09	4109600.77	4.82E-08	8.79E-08	4.83E-09	1.41E-07	7.48E-09	1.44E-08	7.24E-10	2.26E-08	7.27E-09	1.24E-08	9.19E-10	2.06E-08	4.13E-09	6.84E-09	2.27E-10	1.12E-08
2630	741186.88	4109566.61	4.40E-08	8.01E-08	4.40E-09	1.29E-07	6.82E-09	1.31E-08	6.60E-10	2.06E-08	6.63E-09	1.13E-08	8.38E-10	1.88E-08	3.77E-09	6.24E-09	2.07E-10	1.02E-08
2631	741210.67	4109532.45	4.01E-08	7.30E-08	4.01E-09	1.17E-07	6.21E-09	1.20E-08	6.01E-10	1.88E-08	6.04E-09	1.03E-08	7.63E-10	1.71E-08	3.43E-09	5.68E-09	1.88E-10	9.30E-09
2632	741234.46	4109498.29	3.69E-08	6.73E-08	3.70E-09	1.08E-07	5.73E-09	1.10E-08	5.55E-10	1.73E-08	5.57E-09	9.50E-09	7.04E-10	1.58E-08	3.17E-09	5.24E-09	1.74E-10	8.58E-09
2633	741258.25	4109464.12	3.46E-08	6.31E-08	3.46E-09	1.01E-07	5.37E-09	1.03E-08	5.20E-10	1.62E-08	5.22E-09	8.90E-09	6.60E-10	1.48E-08	2.97E-09	4.91E-09	1.63E-10	8.04E-09
2634	741282.04	4109429.96	3.29E-08	6.00E-08	3.29E-09	9.62E-08	5.11E-09	9.84E-09	4.94E-10	1.54E-08	4.96E-09	8.46E-09	6.27E-10	1.41E-08	2.82E-09	4.67E-09	1.55E-10	7.64E-09
2635	741305.83	4109395.8	3.16E-08	5.76E-08	3.16E-09	9.24E-08	4.90E-09	9.45E-09	4.75E-10	1.48E-08	4.77E-09	8.13E-09	6.03E-10	1.35E-08	2.71E-09	4.48E-09	1.49E-10	7.34E-09
2636	741329.62	4109361.63	3.06E-08	5.57E-08	3.06E-09	8.93E-08	4.74E-09	9.13E-09	4.59E-10	1.43E-08	4.61E-09	7.86E-09	5.83E-10	1.31E-08	2.62E-09	4.33E-09	1.44E-10	7.10E-09
2637	741353.41	4109327.47	2.96E-08	5.40E-08	2.97E-09	8.66E-08	4.60E-09	8.85E-09	4.45E-10	1.39E-08	4.47E-09	7.62E-09	5.65E-10	1.27E-08	2.54E-09	4.20E-09	1.39E-10	6.88E-09
2638	741377.2	4109293.31	2.87E-08	5.23E-08	2.87E-09	8.39E-08	4.45E-09	8.57E-09	4.31E-10	1.35E-08	4.33E-09	7.38E-09	5.47E-10	1.23E-08	2.46E-09	4.07E-09	1.35E-10	6.66E-09
2639	741400.99	4109259.15	2.77E-08	5.05E-08	2.77E-09	8.10E-08	4.30E-09	8.28E-09	4.16E-10	1.30E-08	4.18E-09	7.12E-09	5.28E-10	1.18E-08	2.37E-09	3.93E-09	1.30E-10	6.43E-09
2640	741424.78	4109224.98	2.66E-08	4.85E-08	2.66E-09	7.78E-08	4.13E-09	7.96E-09	4.00E-10	1.25E-08	4.02E-09	6.85E-09	5.08E-10	1.14E-08	2.28E-09	3.78E-09	1.25E-10	6.18E-09
2641	741448.57	4109190.82	2.55E-08	4.65E-08	2.55E-09	7.46E-08	3.96E-09	7.62E-09	3.83E-10	1.20E-08	3.85E-09	6.56E-09	4.86E-10	1.09E-08	2.19E-09	3.62E-09	1.20E-10	5.92E-09
2642	741210.71	4110414.77	7.39E-08	1.35E-07	7.39E-09	2.16E-07	1.15E-08	2.21E-08	1.11E-09	3.46E-08	1.11E-08	1.90E-08	1.41E-09	3.15E-08	6.33E-09	1.05E-08	3.47E-10	1.71E-08
2643	741233.59	4110450.77	7.55E-08	1.38E-07	7.55E-09	2.21E-07	1.17E-08	2.25E-08	1.13E-09	3.54E-08	1.14E-08	1.94E-08	1.44E-09	3.22E-08	6.47E-09	1.07E-08	3.55E-10	1.75E-08
2644	741026.84	4110483.41	5.27E-08	9.61E-08	5.28E-09	1.54E-07	8.18E-09	1.58E-08	7.91E-10	2.47E-08	7.95E-09	1.36E-08	1.00E-09	2.25E-08	4.52E-09	7.48E-09	2.48E-10	1.22E-08
2645	741019.54	4110442.07	5.33E-08	9.71E-08	5.33E-09	1.56E-07	8.26E-09	1.59E-08	7.99E-10	2.50E-08	8.03E-09	1.37E-08	1.01E-09	2.27E-08	4.56E-09	7.55E-09	2.50E-10	1.24E-08
2646	741012.24	4110400.74	5.41E-08	9.85E-08	5.41E-09	1.58E-07	8.38E-09	1.61E-08	8.11E-10	2.53E-08	8.15E-09	1.39E-08	1.03E-09	2.31E-08	4.63E-09	7.66E-09	2.54E-10	1.25E-08
2647	741004.94	4110359.4	5.52E-08	1.01E-07	5.52E-09	1.61E-07	8.56E-09	1.65E-08	8.29E-10	2.59E-08	8.32E-09	1.42E-08	1.05E-09	2.36E-08	4.73E-09	7.83E-09	2.59E-10	1.28E-08
2648	740997.64	4110318.06	5.70E-08	1.04E-07	5.71E-09	1.67E-07	8.84E-09	1.70E-08	8.56E-10	2.67E-08	8.60E-09	1.47E-08	1.09E-09	2.43E-08	4.89E-09	8.09E-09	2.68E-10	1.32E-08
2649	740990.34	4110276.72	5.98E-08	1.09E-07	5.99E-09	1.75E-07	9.28E-09	1.79E-08	8.98E-10	2.80E-08	9.02E-09	1.54E-08	1.14E-09	2.55E-08	5.13E-09	8.48E-09	2.81E-10	1.39E-08
2650	740983.04	4110235.39	6.36E-08	1.16E-07	6.36E-09	1.86E-07	9.86E-09	1.90E-08	9.54E-10	2.98E-08	9.59E-09	1.63E-08	1.21E-09	2.71E-08	5.45E-09	9.01E-09	2.99E-10	1.48E-08
2651	740975.74	4110194.05	6.76E-08	1.23E-07	6.77E-09	1.98E-07	1.05E-08	2.02E-08	1.01E-09	3.17E-08	1.02E-08	1.74E-08	1.29E-09	2.89E-08	5.79E-09	9.59E-09	3.18E-10	1.57E-08
2652	740968.44	4110152.71	7.09E-08	1.29E-07	7.09E-09	2.07E-07	1.10E-08	2.12E-08	1.06E-09	3.32E-08	1.07E-08	1.82E-08	1.35E-09	3.03E-08	6.07E-09	1.00E-08	3.33E-10	1.65E-08
2653	740961.14	4110111.37	7.22E-08	1.32E-07	7.23E-09	2.11E-07	1.12E-08	2.16E-08	1.08E-09	3.39E-08	1.09E-08	1.86E-08	1.38E-09	3.08E-08	6.19E-09	1.02E-08	3.39E-10	1.68E-08
2654	740953.84	4110070.04	7.13E-08	1.30E-07	7.13E-09	2.08E-07	1.11E-08	2.13E-08	1.07E-09	3.34E-08	1.07E-08	1.83E-08	1.36E-09	3.04E-08	6.11E-09	1.01E-08	3.35E-10	1.65E-08
2655	740946.55	4110028.7	6.84E-08	1.25E-07	6.84E-09	2.00E-07	1.06E-08	2.04E-08	1.03E-09	3.21E-08	1.03E-08	1.76E-08	1.30E-09	2.92E-08	5.86E-09	9.70E-09	3.21E-10	1.59E-08
2656	740939.25	4109987.36	6.45E-08	1.18E-07	6.46E-09	1.89E-07	1.00E-08	1.93E-08	9.69E-10	3.03E-08	9.73E-09	1.66E-08	1.23E-09	2.75E-08	5.53E-09	9.15E-09	3.03E-10	1.50E-08
2657	740931.95	4109946.02	6.06E-08	1.10E-07	6.06E-09	1.77E-07	9.39E-09	1.81E-08	9.09E-10	2.84E-08	9.14E-09	1.56E-08	1.15E-09	2.59E-08	5.19E-09	8.59E-09	2.85E-10	1.41E-08
2658	740924.65	4109904.69	5.72E-08	1.04E-07	5.72E-09	1.67E-07	8.87E-09	1.71E-08	8.58E-10	2.68E-08	8.62E-09	1.47E-08	1.09E-09	2.44E-08	4.90E-09	8.11E-09	2.69E-10	1.33E-08
2659	740917.35	4109863.35	5.46E-08	9.95E-08	5.46E-09	1.60E-07	8.47E-09	1.63E-08	8.19E-10	2.56E-08	8.23E-09	1.40E-08	1.04E-09	2.33E-08	4.68E-09	7.74E-09	2.57E-10	1.27E-08
2660	740910.05	4109822.01	5.26E-08	9.58E-08	5.26E-09	1.54E-07	8.16E-09	1.57E-08	7.89E-10	2.47E-08	7.93E-09	1.35E-08	1.00E-09	2.25E-08	4.51E-09	7.46E-09	2.47E-10	1.22E-08
2661	740902.75	4109780.67	5.09E-08	9.27E-08	5.09E-09	1.49E-07	7.89E-09	1.52E-08	7.63E-10	2.38E-08	7.67E-09	1.31E-08	9.69E-10	2.17E-08	4.36E-09	7.21E-09	2.39E-10	1.18E-08
2662	740895.45	4109739.34	4.90E-08	8.93E-08	4.90E-09	1.43E-07	7.60E-09	1.46E-08	7.36E-10	2.30E-08	7.39E-09	1.26E-08	9.34E-10	2.09E-08	4.20E-09	6.95E-09	2.30E-10	1.14E-08
2663	740888.15	4109698	4.68E-08	8.53E-08	4.68E-09	1.37E-07	7.26E-09	1.40E-08	7.03E-10	2.19E-08	7.06E-09	1.20E-08	8.92E-10	2.00E-08	4.01E-09	6.64E-09	2.20E-10	1.09E-08
2664	740896.49	4109660.11	4.50E-08	8.21E-08	4.51E-09	1.32E-07	6.98E-09	1.35E-08	6.76E-10	2.11E-08	6.79E-09	1.16E-08	8.58E-10	1.92E-08	3.86E-09	6.38E-09	2.12E-10	1.05E-08
2665	740920.48	4109625.66	4.35E-08	7.92E-08	4.35E-09	1.27E-07	6.74E-09	1.30E-08	6.52E-10	2.04E-08	6.56E-09	1.12E-08	8.28E-10	1.86E-08	3.73E-09	6.16E-09	2.04E-10	1.01E-08
2666	740944.47	4109591.21	4.13E-08	7.53E-08	4.13E-09	1.21E-07	6.40E-09	1.23E-08	6.20E-10	1.94E-08	6.23E-09	1.06E-08	7.87E-10	1.76E-08	3.54E-09	5.86E-09	1.94E-10	9.59E-09

2667	740968.46	4109556.76	3.87E-08	7.06E-08	3.87E-09	1.13E-07	6.01E-09	1.16E-08	5.81E-10	1.82E-08	5.84E-09	9.95E-09	7.38E-10	1.65E-08	3.32E-09	5.49E-09	1.82E-10	8.99E-09
2668	740992.45	4109522.32	3.59E-08	6.54E-08	3.59E-09	1.05E-07	5.57E-09	1.07E-08	5.39E-10	1.68E-08	5.42E-09	9.23E-09	6.84E-10	1.53E-08	3.08E-09	5.09E-09	1.69E-10	8.34E-09
2669	741016.44	4109487.87	3.30E-08	6.02E-08	3.30E-09	9.65E-08	5.12E-09	9.86E-09	4.96E-10	1.55E-08	4.98E-09	8.49E-09	6.29E-10	1.41E-08	2.83E-09	4.68E-09	1.55E-10	7.67E-09
2670	741040.43	4109453.42	3.03E-08	5.52E-08	3.03E-09	8.85E-08	4.70E-09	9.05E-09	4.54E-10	1.42E-08	4.57E-09	7.78E-09	5.77E-10	1.29E-08	2.59E-09	4.29E-09	1.42E-10	7.03E-09
2671	741064.41	4109418.97	2.79E-08	5.09E-08	2.80E-09	8.16E-08	4.33E-09	8.35E-09	4.19E-10	1.31E-08	4.21E-09	7.18E-09	5.32E-10	1.19E-08	2.39E-09	3.96E-09	1.31E-10	6.49E-09
2672	741088.4	4109384.53	2.61E-08	4.75E-08	2.61E-09	7.62E-08	4.05E-09	7.79E-09	3.92E-10	1.22E-08	3.93E-09	6.71E-09	4.97E-10	1.11E-08	2.24E-09	3.70E-09	1.23E-10	6.06E-09
2673	741112.39	4109350.08	2.47E-08	4.50E-08	2.47E-09	7.22E-08	3.83E-09	7.38E-09	3.71E-10	1.16E-08	3.73E-09	6.35E-09	4.71E-10	1.06E-08	2.12E-09	3.50E-09	1.16E-10	5.74E-09
2674	741136.38	4109315.63	2.37E-08	4.33E-08	2.38E-09	6.94E-08	3.68E-09	7.09E-09	3.56E-10	1.11E-08	3.58E-09	6.10E-09	4.52E-10	1.01E-08	2.03E-09	3.37E-09	1.12E-10	5.51E-09
2675	741160.37	4109281.19	2.31E-08	4.21E-08	2.31E-09	6.74E-08	3.58E-09	6.89E-09	3.46E-10	1.08E-08	3.48E-09	5.93E-09	4.40E-10	9.85E-09	1.98E-09	3.27E-09	1.08E-10	5.36E-09
2676	741184.36	4109246.74	2.26E-08	4.13E-08	2.27E-09	6.62E-08	3.51E-09	6.76E-09	3.40E-10	1.06E-08	3.41E-09	5.82E-09	4.31E-10	9.67E-09	1.94E-09	3.21E-09	1.06E-10	5.26E-09
2677	741208.35	4109212.29	2.23E-08	4.07E-08	2.23E-09	6.52E-08	3.46E-09	6.67E-09	3.35E-10	1.05E-08	3.37E-09	5.74E-09	4.25E-10	9.53E-09	1.91E-09	3.17E-09	1.05E-10	5.18E-09
2678	741232.33	4109177.84	2.20E-08	4.01E-08	2.20E-09	6.43E-08	3.41E-09	6.57E-09	3.30E-10	1.03E-08	3.32E-09	5.66E-09	4.19E-10	9.39E-09	1.89E-09	3.12E-09	1.03E-10	5.11E-09
2679	741256.32	4109143.4	2.16E-08	3.93E-08	2.16E-09	6.30E-08	3.34E-09	6.44E-09	3.24E-10	1.01E-08	3.25E-09	5.54E-09	4.11E-10	9.20E-09	1.85E-09	3.06E-09	1.01E-10	5.01E-09
2680	741280.31	4109108.95	2.10E-08	3.82E-08	2.10E-09	6.12E-08	3.25E-09	6.26E-09	3.15E-10	9.83E-09	3.16E-09	5.39E-09	3.99E-10	8.95E-09	1.80E-09	2.97E-09	9.85E-11	4.87E-09
2681	741304.3	4109074.5	2.02E-08	3.69E-08	2.02E-09	5.91E-08	3.14E-09	6.04E-09	3.04E-10	9.48E-09	3.05E-09	5.20E-09	3.85E-10	8.63E-09	1.73E-09	2.87E-09	9.50E-11	4.70E-09
2682	741328.29	4109040.05	1.94E-08	3.54E-08	1.94E-09	5.67E-08	3.01E-09	5.80E-09	2.91E-10	9.10E-09	2.93E-09	4.99E-09	3.70E-10	8.28E-09	1.66E-09	2.75E-09	9.12E-11	4.50E-09
2683	741041.93	4110522.08	5.31E-08	9.67E-08	5.31E-09	1.55E-07	8.23E-09	1.58E-08	7.96E-10	2.49E-08	8.00E-09	1.36E-08	1.01E-09	2.26E-08	4.55E-09	7.52E-09	2.49E-10	1.23E-08
2684	741064.82	4110558.07	5.41E-08	9.85E-08	5.41E-09	1.58E-07	8.38E-09	1.61E-08	8.11E-10	2.53E-08	8.15E-09	1.39E-08	1.03E-09	2.31E-08	4.63E-09	7.66E-09	2.54E-10	1.25E-08
2685	740858.04	4110590.6	4.02E-08	7.33E-08	4.03E-09	1.18E-07	6.24E-09	1.20E-08	6.04E-10	1.89E-08	6.07E-09	1.03E-08	7.67E-10	1.72E-08	3.45E-09	5.70E-09	1.89E-10	9.34E-09
2686	740850.7	4110549.02	4.05E-08	7.37E-08	4.05E-09	1.18E-07	6.28E-09	1.21E-08	6.07E-10	1.90E-08	6.10E-09	1.04E-08	7.71E-10	1.73E-08	3.47E-09	5.74E-09	1.90E-10	9.40E-09
2687	740843.36	4110507.44	4.09E-08	7.45E-08	4.09E-09	1.19E-07	6.34E-09	1.22E-08	6.13E-10	1.92E-08	6.16E-09	1.05E-08	7.79E-10	1.74E-08	3.50E-09	5.79E-09	1.92E-10	9.49E-09
2688	740836.02	4110465.86	4.14E-08	7.55E-08	4.14E-09	1.21E-07	6.42E-09	1.24E-08	6.22E-10	1.94E-08	6.25E-09	1.06E-08	7.89E-10	1.77E-08	3.55E-09	5.87E-09	1.95E-10	9.62E-09
2689	740828.67	4110424.29	4.22E-08	7.68E-08	4.22E-09	1.23E-07	6.54E-09	1.26E-08	6.33E-10	1.98E-08	6.36E-09	1.08E-08	8.03E-10	1.80E-08	3.61E-09	5.98E-09	1.98E-10	9.79E-09
2690	740821.33	4110382.71	4.32E-08	7.87E-08	4.32E-09	1.26E-07	6.70E-09	1.29E-08	6.48E-10	2.02E-08	6.51E-09	1.11E-08	8.23E-10	1.84E-08	3.70E-09	6.12E-09	2.03E-10	1.00E-08
2691	740813.99	4110341.13	4.48E-08	8.16E-08	4.48E-09	1.31E-07	6.94E-09	1.34E-08	6.72E-10	2.10E-08	6.75E-09	1.15E-08	8.53E-10	1.91E-08	3.84E-09	6.35E-09	2.10E-10	1.04E-08
2692	740806.65	4110299.55	4.71E-08	8.58E-08	4.71E-09	1.38E-07	7.30E-09	1.41E-08	7.07E-10	2.21E-08	7.10E-09	1.21E-08	8.97E-10	2.01E-08	4.03E-09	6.68E-09	2.21E-10	1.09E-08
2693	740799.31	4110257.98	5.00E-08	9.12E-08	5.01E-09	1.46E-07	7.76E-09	1.49E-08	7.51E-10	2.35E-08	7.55E-09	1.29E-08	9.53E-10	2.14E-08	4.29E-09	7.09E-09	2.35E-10	1.16E-08
2694	740791.96	4110216.4	5.31E-08	9.67E-08	5.31E-09	1.55E-07	8.23E-09	1.59E-08	7.96E-10	2.49E-08	8.00E-09	1.36E-08	1.01E-09	2.27E-08	4.55E-09	7.52E-09	2.49E-10	1.23E-08
2695	740784.62	4110174.82	5.54E-08	1.01E-07	5.54E-09	1.62E-07	8.59E-09	1.66E-08	8.32E-10	2.60E-08	8.36E-09	1.42E-08	1.06E-09	2.37E-08	4.75E-09	7.86E-09	2.60E-10	1.29E-08
2696	740777.28	4110133.24	5.64E-08	1.03E-07	5.65E-09	1.65E-07	8.75E-09	1.69E-08	8.47E-10	2.65E-08	8.51E-09	1.45E-08	1.08E-09	2.41E-08	4.84E-09	8.00E-09	2.65E-10	1.31E-08
2697	740769.94	4110091.67	5.59E-08	1.02E-07	5.60E-09	1.63E-07	8.67E-09	1.67E-08	8.39E-10	2.62E-08	8.43E-09	1.44E-08	1.07E-09	2.39E-08	4.79E-09	7.93E-09	2.63E-10	1.30E-08
2698	740762.6	4110050.09	5.41E-08	9.86E-08	5.41E-09	1.58E-07	8.39E-09	1.62E-08	8.12E-10	2.54E-08	8.16E-09	1.39E-08	1.03E-09	2.31E-08	4.64E-09	7.67E-09	2.54E-10	1.26E-08
2699	740755.26	4110008.51	5.14E-08	9.37E-08	5.15E-09	1.50E-07	7.97E-09	1.54E-08	7.72E-10	2.41E-08	7.75E-09	1.32E-08	9.80E-10	2.20E-08	4.41E-09	7.29E-09	2.42E-10	1.19E-08
2700	740747.91	4109966.94	4.85E-08	8.83E-08	4.85E-09	1.42E-07	7.52E-09	1.45E-08	7.27E-10	2.27E-08	7.31E-09	1.25E-08	9.23E-10	2.07E-08	4.15E-09	6.87E-09	2.28E-10	1.13E-08
2701	740740.57	4109925.36	4.57E-08	8.33E-08	4.57E-09	1.34E-07	7.09E-09	1.37E-08	6.86E-10	2.14E-08	6.89E-09	1.17E-08	8.71E-10	1.95E-08	3.92E-09	6.48E-09	2.15E-10	1.06E-08
2702	740733.23	4109883.78	4.34E-08	7.91E-08	4.34E-09	1.27E-07	6.73E-09	1.30E-08	6.51E-10	2.03E-08	6.54E-09	1.12E-08	8.27E-10	1.85E-08	3.72E-09	6.15E-09	2.04E-10	1.01E-08
2703	740725.89	4109842.2	4.17E-08	7.60E-08	4.17E-09	1.22E-07	6.47E-09	1.25E-08	6.26E-10	1.96E-08	6.29E-09	1.07E-08	7.95E-10	1.78E-08	3.58E-09	5.92E-09	1.96E-10	9.69E-09
2704	740718.55	4109800.63	4.06E-08	7.39E-08	4.06E-09	1.19E-07	6.29E-09	1.21E-08	6.09E-10	1.90E-08	6.12E-09	1.04E-08	7.73E-10	1.73E-08	3.48E-09	5.75E-09	1.91E-10	9.42E-09
2705	740711.21	4109759.05	3.97E-08	7.23E-08	3.97E-09	1.16E-07	6.15E-09	1.19E-08	5.96E-10	1.86E-08	5.98E-09	1.02E-08	7.56E-10	1.69E-08	3.40E-09	5.63E-09	1.86E-10	9.21E-09
2706	740703.86	4109717.47	3.88E-08	7.07E-08	3.88E-09	1.13E-07	6.02E-09	1.16E-08	5.82E-10	1.82E-08	5.85E-09	9.98E-09	7.39E-10	1.66E-08	3.33E-09	5.50E-09	1.82E-10	9.01E-09
2707	740696.52	4109675.89	3.77E-08	6.87E-08	3.77E-09	1.10E-07	5.85E-09	1.13E-08	5.66E-10	1.77E-08	5.69E-09	9.70E-09	7.19E-10	1.61E-08	3.23E-09	5.35E-09	1.77E-10	8.76E-09
2708	740701.24	4109616.99	3.60E-08	6.57E-08	3.60E-09	1.05E-07	5.59E-09	1.08E-08	5.41E-10	1.69E-08	5.43E-09	9.26E-09	6.87E-10	1.54E-08	3.09E-09	5.11E-09	1.69E-10	8.36E-09
2709	740725.37	4109582.35	3.51E-08	6.39E-08	3.51E-09	1.03E-07	5.44E-09	1.05E-08	5.27E-10	1.65E-08	5.29E-09	9.02E-09	6.69E-10	1.50E-08	3.01E-09	4.98E-09	1.65E-10	8.15E-09
2710	740749.5	4109547.7	3.37E-08	6.14E-08	3.37E-09	9.84E-08	5.22E-09	1.01E-08	5.06E-10	1.58E-08	5.08E-09	8.66E-09	6.42E-10	1.44E-08	2.89E-09	4.78E-09	1.58E-10	7.82E-09
2711	740773.63	4109513.05	3.19E-08	5.82E-08	3.20E-09	9.33E-08	4.95E-09	9.54E-09	4.79E-10	1.50E-08	4.82E-09	8.21E-09	6.08E-10	1.36E-08	2.74E-09	4.53E-09	1.50E-10	7.41E-09
2712	740797.75	4109478.4	3.00E-08	5.46E-08	3.00E-09	8.76E-08	4.65E-09	8.96E-09	4.50E-10	1.41E-08	4.52E-09	7.71E-09	5.71E-10	1.28E-08	2.57E-09	4.25E-09	1.41E-10	6.96E-09
2713	740821.88	4109443.76	2.80E-08	5.09E-08	2.80E-09	8.17E-08	4.33E-09	8.35E-09	4.20E-10	1.31E-08	4.22E-09	7.19E-09	5.33E-10	1.19E-08	2.40E-09	3.96E-09	1.31E-10	6.49E-09
2714	740846.01	4109409.11	2.59E-08	4.72E-08	2.59E-09	7.58E-08	4.02E-09	7.74E-09	3.89E-10	1.22E-08	3.91E-09	6.66E-09	4.94E-10	1.11E-08	2.22E-09	3.68E-09	1.22E-10	6.02E-09
2715	740870.14	4109374.46	2.40E-08	4.37E-08	2.40E-09	7.01E-08	3.72E-09	7.17E-09	3.60E-10	1.12E-08	3.62E-09	6.17E-09	4.57E-10	1.02E-08	2.06E-09	3.40E-09	1.13E-10	5.57E-09
2716	740894.27	4109339.82	2.22E-08	4.05E-08	2.23E-09	6.50E-08	3.45E-09	6.64E-09	3.34E-10	1.04E-08	3.35E-09	5.72E-09	4.24E-10	9.50E-09	1.91E-09	3.15E-09	1.05E-10	5.16E-09
2717	740918.39	4109305.17	2.08E-08	3.78E-08	2.08E-09	6.07E-08	3.22E-09	6.20E-09	3.12E-10	9.73E-09	3.13E-09	5.34E-09	3.96E-10	8.86E-09	1.78E-09	2.94E-09	9.75E-11	4.82E-09
2718	740942.52	4109270.52	1.96E-08	3.56E-08	1.96E-09	5.72E-08	3.03E-09	5.84E-09	2.94E-10	9.17E-09	2.95E-09	5.03E-09	3.73E-10	8.35E-09	1.68E-09	2.77E-09	9.19E-11	4.54E-09
2719	740966.65	4109235.87	1.87E-08	3.40E-08	1.87E-09	5.46E-08	2.90E-09	5.58E-09	2.80E-10	8.75E-09	2.82E-09	4.80E-09	3.56E-10	7.97E-09	1.60E-09	2.65E-09	8.78E-11	4.34E-09
2720	740990.78	4109201.23	1.81E-08	3.29E-08	1.81E-09	5.28E-08	2.80E-09	5.39E-09	2.71E-10	8.46E-09	2.72E-09	4.64E-09	3.44E-10	7.71E-09	1.55E-09	2.56E-09	8.49E-11	4.19E-09
2721	741014.9	4109166.58	1.77E-08	3.22E-08	1.77E-09	5.16E-08	2.74E-09	5.28E-09	2.65E-10	8.29E-09	2.66E-09	4.54E-09	3.37E-10	7.54E-09	1.51E-09	2.51E-09	8.30E-11	4.10E-09
2722	741039.03	4109131.93	1.75E-08	3.19E-08	1.75E-09	5.11E-08	2.71E-09	5.22E-09	2.62E-10	8.20E-09	2.64E-09	4.49E-09	3.33E-10	7.46E-09	1.50E-09	2.48E-09	8.22E-11	4.06E-09
2723	741063.16	4109097.28	1.74E-08	3.17E-08	1.74E-09	5.09E-08	2.70E-09	5.20E-09	2.61E-10	8.16E-09	2.63E-09	4.48E-09	3.32E-10	7.43E-09	1.49E-09	2.47E-09	8.18E-11	4.04E-09
2724	741087.29	4109062.64	1.74E-08	3.16E-08	1.74E-09	5.08E-08	2.69E-09	5.19E-09	2.61E-10	8.14E-09	2.62E-09	4.46E-09	3.31E-10	7.41E-09	1.49E-09	2.46E-09	8.16E-11	4.03E-09
2725	741111.42	4109027.99	1.73E-08	3.14E-08	1.73E-09	5.04E-08	2.68E-09	5.16E-09	2.59E-10	8.09E-09	2.60E-09	4.44E-09	3.29E-10	7.37E-09	1.48E-09	2.45E-09	8.11E-11	4.01E-09
2726	741135.54	4108993.34	1.70E-08	3.10E-08	1.70E-09	4.97E-08	2.64E-09	5.08E-09	2.55E-10	7.98E-09	2.57E-09	4.37E-09	3.24E-10	7.26E-09	1.46E-09	2.41E-09	8.00E-11	3.95E-09
2727	741159.67	4108958.7	1.66E-08	3.03E-08	1.66E-09	4.85E-08	2.58E-09	4.96E-09	2.49E-10	7.79E-09	2.50E-09	4.27E-09	3.17E-10	7.09E-09	1.42E-09	2.36E-09	7.81E-11	3.86E-09
2728	741183.8	4108924.05	1.61E-08	2.93E-08	1.61E-09	4.69E-08	2.49E-09	4.80E-09	2.41E-10	7.53E-09	2.42E-09	4.13E-09	3.06E-10	6.86E-09	1.38E-09	2.28E-09	7.55E-11	3.73E-09
2729	741207.93	4108889.4	1.54E-08	2.81E-08	1.54E-09	4.51E-08	2.39E-09	4.61E-09	2.32E-10	7.23E-09	2.33E-09	3.97E-09	2.94E-10	6.59E-09	1.32E-09	2.19E-09	7.25E-11	3.58E-09
2730	741232.05	4108854.75	1.48E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.41E-09	2.21E-10	6.92E-09	2.23E-09	3.79E-09	2.81E-10	6.30E-09	1.26E-09	2.09E-09	6.93E-11	3.43E-09
2731	740873.15	4110629.38	4.05E-08	7.39E-08	4.06E-09	1.18E-07	6.29E-09	1.21E-08	6.08E-10	1.90E-08	6.11E-09	1.04E-08	7.72E-10	1.73E-08	3.47E-09	5.75E-09	1.90E-10	9.41E-09
2732	740896.04	4110665.38	4.12E-08	7.51E-08	4.12E-09	1.20E-07	6.39E-09	1.23E-08	6.18E-10	1.93E-08	6.21E-09	1.06E-08	7.85E-10	1.76E-08	3.53E-09	5.84E-09	1.94E-10	9.56E-09
2733	740689.25	4110697.81	3.21E-08	5.85E-08	3.21E-09	9.38E-08	4.98E-09	9.59E-09	4.82E-10	1.51E-08	4.84E-09	8.25E-09	6.12E-10	1.37E-08	2.75E-09	4.55E-09	1.51E-10	7.46E-09
2734	740681.88	4110656.06	3.22E-08	5.87E-08	3.22E-09	9.42E-08	5.00E-09	9.63E-09	4.84E-10	1.51E-08	4.86E-09	8.28E-09	6.14E-10	1.38E-08	2.76E-09	4.57E-09	1.51E-10	7.48E-09
2735	740674.5	4110614.3	3.24E-08	5.91E-08	3.24E-09	9.47E-08	5.03E-09	9.68E-09	4.87E-10	1.52E-08	4.89E-09	8.33E-09	6.18E-10	1.38E-08	2.78E-09	4.60E-09	1.52E-10	7.53E-09
2736	740667.13	4110572.55	3.27E-08	5.96E-08	3.28E-09	9.57E-08	5.08E-09	9.78E-09	4.91E-10	1.53E-08	4.94E-09	8.41E-09	6.24E-10	1.40E-08	2.80E-09	4.64E-09	1.54E-10	7.60E-09
2737	740659.76	4110530.79	3.31E-08	6.04E-08	3.32E-09	9.69E-08	5.14E-09	9.90E-09	4.97E-10	1.55E-08	5.00E-09	8.52E-09	6.32E-10	1.42E-08	2.84E-09	4.70E-09	1.56E-10	7.70E-09
2738	740652.38	4110489.04	3.36E-08	6.13E-08	3.37E-09	9.83E-08	5.22E-09	1.00E-08	5.05E-10	1.58E-08	5.07E-09	8.65E-09	6.41E-10	1.44E-08	2.88E-09	4.77E-09	1.58E-10	7.81E-09
2739	740645.01	4110447.28	3.43E-08	6.24E-08	3.43E-09	1.00E-07	5.31E-09	1.02E-08	5.14E-10	1.61E-08	5.17E-09	8.81E-09	6.53E-10	1.46E-08	2.94E-09	4.86E-09	1.61E-10	7.95E-09
2740	740637.64	4110405.53	3.52E-08	6.41E-08	3.52E-09	1.03E-07	5.46E-09	1.05E-08	5.28E-10	1.65E-08	5.31E-09	9.04E-09	6.70E-10	1.50E-08	3.01E-09	4.99E-09	1.65E-10	8.17E-09
2741	740630.26	4110363.77	3.66E-08	6.67E-08	3.66E-09	1.07E-07	5.68E-09	1.09E-08	5.49E-10	1.72E-08	5.52E-09	9.41E-09	6.98E-10	1.56E-08	3.14E-09	5.19E-09	1.72E-10	8.50E-09
2742	740622.89	4110322.02	3.86E-08	7.03E-08	3.86E-09	1.13E-07	5.99E-09	1.15E-08	5.79E-10	1.81E-08	5.82E-09	9.92E-09	7.35E-10	1.65E-08	3.31E-09	5.47E-09	1.81E-10	8.96E-09
2743	740615.52	4110280.26	4.10E-08	7.46E-08	4.10E-09	1.20E-07	6.35E-09	1.22E-08	6.15E-10	1.92E-08	6.18E-09	1.05E-08	7.81E-10	1.75E-08	3.51E-09	5.81E-09	1.93E-10	9.51E-09
2744	740608.14	4110238.51	4.33E-08	7.88E-08	4.33E-09	1.26E-07	6.71E-09	1.29E-08	6.49E-10	2.03E-08	6.52E-09	1.11E-08	8.25E-10	1.85E-08	3.71E-09	6.14E-09	2.03E-10	1.00E-08
2745	740600.77	4110196.75	4.50E-08	8.20E-08	4.50E-09	1.31E-07	6.98E-09	1.34E-08	6.75E-10	2.11E-08	6.79E-09	1.16E-08	8.57E-10	1.92E-08	3.86E-09	6.38E-09	2.11E-10	1.04E-08
2746	740593.4	4110155	4.58E-08	8.34E-08	4.58E-09	1.34E-07	7.10E-09	1.37E-08	6.87E-10	2.15E-08	6.90E-09	1.18E-08	8.72E-10	1.95E-08	3.92E-09	6.49E-09	2.15E-10	1.06E-08
2747	740586.02	4110113.24	4.55E-08	8.28E-08	4.55E-09	1.33E-07	7.05E-09	1.36E-08	6.82E-10	2.13E-08	6.86E-09	1.17E-08	8.66E-10	1.94E-08	3.90E-09	6.45E-09	2.14E-10	1.06E-08
2748	740578.65	4110071.49	4.42E-08	8.05E-08	4.42E-09	1.29E-07	6.85E-09	1.32E-08	6.63E-10	2.07E-08	6.66E-09	1.14E-08	8.42E-10	1.89E-08	3.79E-09	6.26E-09	2.08E-10	1.03E-08
2749	740571.28	4110029.73	4.23E-08	7.70E-08	4.23E-09	1.24E-07	6.56E-09	1.26E-08	6.35E-10	1.98E-08	6.38E-09	1.09E-08	8.06E-10	1.80E-08	3.62E-09	5.99E-09	1.99E-10	9.82E-09
2750	740563.9	4109987.98	4.01E-08	7.30E-08	4.01E-09	1.17E-07	6.21E-09	1.20E-08	6.01E-10	1.88E-08	6.04E-09	1.03E-08	7.64E-10	1.71E-08	3.43E-09	5.68E-09	1.88E-10	9.30E-09
2751	740556.53	4109946.22	3.79E-08	6.90E-08	3.79E-09	1.11E-07	5.87E-09	1.13E-08	5.68E-10	1.78E-08	5.71E-09	9.74E-09	7.22E-10	1.62E-08	3.25E-09	5.37E-09	1.78E-10	8.79E-09
2752	740549.16	4109904.47	3.59E-08	6.55E-08	3.59E-09	1.05E-07	5.57E-09	1.07E-08	5.39E-10	1.68E-08	5.42E-09	9.24E-09	6.85E-10	1.53E-08	3.08E-09	5.09E-09	1.69E-10	8.34E-09
2753	740541.79	4109862.71	3.44E-08	6.26E-08	3.44E-09	1.00E-07	5.33E-09	1.03E-08	5.16E-10	1.61E-08	5.18E-09	8.83E-09	6.55E-10	1.47E-08	2.94E-09	4.87E-09	1.61E-10	7.98E-09
2754	740534.41	4109820.96	3.32E-08	6.05E-08	3.32E-09	9.71E-08	5.15E-09	9.92E-09	4.98E-10	1.56E-08	5.01E-09	8.54E-09	6.33E-10	1.42E-08	2.85E-09	4.71E-09	1.56E-10	7.71E-09
2755	740527.04	4109779.2	3.25E-08	5.92E-08	3.25E-09	9.49E-08	5.03E-09	9.70E-09	4.87E-10	1.52E-08	4.90E-09	8.35E-09	6.19E-10	1.39E-08	2.78E-09	4.60E-09	1.53E-10	7.54E-09

2756	740519.67	4109737.45	3.20E-08	5.83E-08	3.20E-09	9.34E-08	4.96E-09	9.55E-09	4.80E-10	1.50E-08	4.82E-09	8.22E-09	6.09E-10	1.37E-08	2.74E-09	4.53E-09	1.50E-10	7.42E-09
2757	740512.29	4109695.69	3.16E-08	5.75E-08	3.16E-09	9.22E-08	4.89E-09	9.43E-09	4.74E-10	1.48E-08	4.76E-09	8.11E-09	6.01E-10	1.35E-08	2.70E-09	4.47E-09	1.48E-10	7.33E-09
2758	740504.92	4109653.94	3.10E-08	5.66E-08	3.11E-09	9.07E-08	4.81E-09	9.27E-09	4.66E-10	1.46E-08	4.68E-09	7.98E-09	5.92E-10	1.33E-08	2.66E-09	4.40E-09	1.46E-10	7.21E-09
2759	740497.55	4109612.18	3.03E-08	5.52E-08	3.03E-09	8.85E-08	4.70E-09	9.05E-09	4.55E-10	1.42E-08	4.57E-09	7.79E-09	5.77E-10	1.29E-08	2.60E-09	4.30E-09	1.42E-10	7.03E-09
2760	740505.98	4109573.91	2.97E-08	5.41E-08	2.97E-09	8.68E-08	4.61E-09	8.87E-09	4.46E-10	1.39E-08	4.48E-09	7.63E-09	5.66E-10	1.27E-08	2.54E-09	4.21E-09	1.40E-10	6.90E-09
2761	740530.21	4109539.11	2.91E-08	5.31E-08	2.91E-09	8.51E-08	4.52E-09	8.70E-09	4.37E-10	1.37E-08	4.39E-09	7.49E-09	5.55E-10	1.24E-08	2.50E-09	4.13E-09	1.37E-10	6.76E-09
2762	740554.44	4109504.32	2.82E-08	5.13E-08	2.82E-09	8.23E-08	4.37E-09	8.42E-09	4.23E-10	1.32E-08	4.25E-09	7.24E-09	5.37E-10	1.20E-08	2.41E-09	3.99E-09	1.32E-10	6.54E-09
2763	740578.67	4109469.52	2.69E-08	4.91E-08	2.69E-09	7.87E-08	4.17E-09	8.04E-09	4.04E-10	1.26E-08	4.06E-09	6.92E-09	5.13E-10	1.15E-08	2.31E-09	3.82E-09	1.27E-10	6.25E-09
2764	740602.9	4109434.73	2.55E-08	4.65E-08	2.55E-09	7.45E-08	3.95E-09	7.62E-09	3.83E-10	1.20E-08	3.84E-09	6.55E-09	4.86E-10	1.09E-08	2.18E-09	3.61E-09	1.20E-10	5.92E-09
2765	740627.13	4109399.93	2.40E-08	4.37E-08	2.40E-09	7.01E-08	3.72E-09	7.17E-09	3.60E-10	1.12E-08	3.62E-09	6.17E-09	4.57E-10	1.02E-08	2.06E-09	3.40E-09	1.13E-10	5.57E-09
2766	740651.36	4109365.13	2.25E-08	4.10E-08	2.25E-09	6.57E-08	3.49E-09	6.71E-09	3.37E-10	1.05E-08	3.39E-09	5.78E-09	4.28E-10	9.59E-09	1.93E-09	3.19E-09	1.06E-10	5.22E-09
2767	740675.59	4109330.34	2.10E-08	3.83E-08	2.10E-09	6.14E-08	3.26E-09	6.28E-09	3.15E-10	9.85E-09	3.17E-09	5.40E-09	4.00E-10	8.97E-09	1.80E-09	2.98E-09	9.87E-11	4.88E-09
2768	740699.82	4109295.54	1.96E-08	3.57E-08	1.96E-09	5.73E-08	3.04E-09	5.86E-09	2.94E-10	9.20E-09	2.96E-09	5.04E-09	3.74E-10	8.37E-09	1.68E-09	2.78E-09	9.22E-11	4.55E-09
2769	740724.05	4109260.75	1.83E-08	3.34E-08	1.83E-09	5.35E-08	2.84E-09	5.47E-09	2.75E-10	8.59E-09	2.76E-09	4.71E-09	3.49E-10	7.82E-09	1.57E-09	2.60E-09	8.61E-11	4.25E-09
2770	740748.28	4109225.95	1.71E-08	3.12E-08	1.72E-09	5.01E-08	2.66E-09	5.12E-09	2.57E-10	8.04E-09	2.59E-09	4.41E-09	3.27E-10	7.32E-09	1.47E-09	2.43E-09	8.06E-11	3.98E-09
2771	740772.51	4109191.16	1.61E-08	2.94E-08	1.61E-09	4.72E-08	2.50E-09	4.82E-09	2.42E-10	7.57E-09	2.43E-09	4.15E-09	3.08E-10	6.89E-09	1.38E-09	2.29E-09	7.58E-11	3.75E-09
2772	740796.75	4109156.36	1.53E-08	2.79E-08	1.53E-09	4.48E-08	2.37E-09	4.58E-09	2.30E-10	7.18E-09	2.31E-09	3.94E-09	2.92E-10	6.54E-09	1.31E-09	2.17E-09	7.20E-11	3.56E-09
2773	740820.98	4109121.57	1.47E-08	2.68E-08	1.47E-09	4.29E-08	2.28E-09	4.39E-09	2.21E-10	6.89E-09	2.22E-09	3.78E-09	2.80E-10	6.27E-09	1.26E-09	2.08E-09	6.90E-11	3.41E-09
2774	740845.21	4109086.77	1.43E-08	2.60E-08	1.43E-09	4.17E-08	2.21E-09	4.26E-09	2.14E-10	6.69E-09	2.15E-09	3.67E-09	2.72E-10	6.09E-09	1.22E-09	2.02E-09	6.71E-11	3.31E-09
2775	740869.44	4109051.98	1.40E-08	2.56E-08	1.40E-09	4.10E-08	2.18E-09	4.19E-09	2.11E-10	6.58E-09	2.12E-09	3.61E-09	2.67E-10	5.99E-09	1.20E-09	1.99E-09	6.60E-11	3.26E-09
2776	740893.67	4109017.18	1.40E-08	2.54E-08	1.40E-09	4.08E-08	2.16E-09	4.17E-09	2.09E-10	6.54E-09	2.10E-09	3.59E-09	2.66E-10	5.96E-09	1.20E-09	1.98E-09	6.56E-11	3.24E-09
2777	740917.9	4108982.39	1.40E-08	2.55E-08	1.40E-09	4.08E-08	2.17E-09	4.18E-09	2.10E-10	6.55E-09	2.11E-09	3.59E-09	2.66E-10	5.97E-09	1.20E-09	1.98E-09	6.57E-11	3.25E-09
2778	740942.13	4108947.59	1.40E-08	2.56E-08	1.41E-09	4.10E-08	2.18E-09	4.20E-09	2.11E-10	6.59E-09	2.12E-09	3.61E-09	2.68E-10	6.00E-09	1.20E-09	1.99E-09	6.60E-11	3.26E-09
2779	740966.36	4108912.8	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.18E-09	4.21E-09	2.11E-10	6.60E-09	2.12E-09	3.62E-09	2.68E-10	6.01E-09	1.21E-09	2.00E-09	6.62E-11	3.27E-09
2780	740990.59	4108878	1.40E-08	2.56E-08	1.41E-09	4.10E-08	2.18E-09	4.20E-09	2.11E-10	6.58E-09	2.12E-09	3.61E-09	2.68E-10	6.00E-09	1.20E-09	1.99E-09	6.60E-11	3.26E-09
2781	741014.82	4108843.21	1.39E-08	2.53E-08	1.39E-09	4.06E-08	2.15E-09	4.15E-09	2.09E-10	6.51E-09	2.09E-09	3.57E-09	2.65E-10	5.93E-09	1.19E-09	1.97E-09	6.53E-11	3.23E-09
2782	741039.05	4108808.41	1.36E-08	2.48E-08	1.36E-09	3.97E-08	2.11E-09	4.06E-09	2.04E-10	6.37E-09	2.05E-09	3.49E-09	2.59E-10	5.80E-09	1.16E-09	1.93E-09	6.39E-11	3.16E-09
2783	741063.28	4108773.61	1.32E-08	2.40E-08	1.32E-09	3.85E-08	2.04E-09	3.94E-09	1.98E-10	6.18E-09	1.99E-09	3.39E-09	2.51E-10	5.63E-09	1.13E-09	1.87E-09	6.19E-11	3.06E-09
2784	741087.52	4108738.82	1.27E-08	2.31E-08	1.27E-09	3.71E-08	1.97E-09	3.79E-09	1.90E-10	5.95E-09	1.91E-09	3.26E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.96E-11	2.95E-09
2785	741111.75	4108704.02	1.21E-08	2.21E-08	1.21E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
2786	740704.38	4110736.69	3.23E-08	5.89E-08	3.23E-09	9.44E-08	5.01E-09	9.65E-09	4.85E-10	1.52E-08	4.87E-09	8.31E-09	6.16E-10	1.38E-08	2.77E-09	4.58E-09	1.52E-10	7.50E-09
2787	740727.26	4110772.68	3.28E-08	5.97E-08	3.28E-09	9.58E-08	5.08E-09	9.79E-09	4.92E-10	1.54E-08	4.94E-09	8.42E-09	6.24E-10	1.40E-08	2.81E-09	4.65E-09	1.54E-10	7.61E-09
2788	740351.67	4110912.3	2.23E-08	4.07E-08	2.23E-09	6.52E-08	3.46E-09	6.67E-09	3.35E-10	1.05E-08	3.36E-09	5.74E-09	4.25E-10	9.53E-09	1.91E-09	3.16E-09	1.05E-10	5.18E-09
2789	740344.26	4110870.3	2.24E-08	4.07E-08	2.24E-09	6.53E-08	3.47E-09	6.68E-09	3.36E-10	1.05E-08	3.37E-09	5.75E-09	4.26E-10	9.54E-09	1.92E-09	3.17E-09	1.05E-10	5.19E-09
2790	740336.84	4110828.3	2.24E-08	4.08E-08	2.24E-09	6.55E-08	3.47E-09	6.69E-09	3.36E-10	1.05E-08	3.38E-09	5.76E-09	4.27E-10	9.56E-09	1.92E-09	3.18E-09	1.05E-10	5.20E-09
2791	740329.42	4110786.3	2.25E-08	4.10E-08	2.25E-09	6.57E-08	3.49E-09	6.72E-09	3.37E-10	1.05E-08	3.39E-09	5.78E-09	4.28E-10	9.60E-09	1.93E-09	3.19E-09	1.06E-10	5.22E-09
2792	740322.01	4110744.3	2.26E-08	4.12E-08	2.26E-09	6.61E-08	3.51E-09	6.76E-09	3.40E-10	1.06E-08	3.41E-09	5.82E-09	4.31E-10	9.66E-09	1.94E-09	3.21E-09	1.06E-10	5.25E-09
2793	740314.59	4110702.3	2.28E-08	4.16E-08	2.29E-09	6.67E-08	3.54E-09	6.82E-09	3.43E-10	1.07E-08	3.44E-09	5.87E-09	4.35E-10	9.75E-09	1.96E-09	3.24E-09	1.07E-10	5.30E-09
2794	740307.17	4110660.3	2.31E-08	4.21E-08	2.31E-09	6.75E-08	3.58E-09	6.90E-09	3.47E-10	1.08E-08	3.48E-09	5.94E-09	4.40E-10	9.86E-09	1.98E-09	3.28E-09	1.09E-10	5.36E-09
2795	740299.76	4110618.3	2.34E-08	4.26E-08	2.34E-09	6.83E-08	3.62E-09	6.98E-09	3.51E-10	1.10E-08	3.52E-09	6.01E-09	4.45E-10	9.97E-09	2.00E-09	3.31E-09	1.10E-10	5.42E-09
2796	740292.34	4110576.29	2.36E-08	4.31E-08	2.37E-09	6.91E-08	3.67E-09	7.06E-09	3.55E-10	1.11E-08	3.56E-09	6.08E-09	4.50E-10	1.01E-08	2.03E-09	3.35E-09	1.11E-10	5.49E-09
2797	740284.92	4110534.29	2.40E-08	4.37E-08	2.40E-09	7.01E-08	3.72E-09	7.17E-09	3.60E-10	1.12E-08	3.62E-09	6.17E-09	4.57E-10	1.02E-08	2.06E-09	3.40E-09	1.13E-10	5.57E-09
2798	740277.51	4110492.29	2.45E-08	4.47E-08	2.45E-09	7.17E-08	3.80E-09	7.33E-09	3.68E-10	1.15E-08	3.70E-09	6.31E-09	4.67E-10	1.05E-08	2.10E-09	3.48E-09	1.15E-10	5.70E-09
2799	740270.09	4110450.29	2.54E-08	4.63E-08	2.54E-09	7.42E-08	3.94E-09	7.58E-09	3.81E-10	1.19E-08	3.83E-09	6.53E-09	4.84E-10	1.08E-08	2.18E-09	3.60E-09	1.19E-10	5.89E-09
2800	740262.68	4110408.29	2.66E-08	4.84E-08	2.66E-09	7.77E-08	4.12E-09	7.94E-09	3.99E-10	1.25E-08	4.01E-09	6.83E-09	5.07E-10	1.13E-08	2.28E-09	3.77E-09	1.25E-10	6.17E-09
2801	740255.26	4110366.29	2.81E-08	5.11E-08	2.81E-09	8.20E-08	4.35E-09	8.38E-09	4.21E-10	1.32E-08	4.23E-09	7.21E-09	5.35E-10	1.20E-08	2.40E-09	3.98E-09	1.32E-10	6.51E-09
2802	740247.84	4110324.29	2.96E-08	5.39E-08	2.96E-09	8.65E-08	4.59E-09	8.85E-09	4.44E-10	1.39E-08	4.46E-09	7.61E-09	5.64E-10	1.26E-08	2.54E-09	4.20E-09	1.39E-10	6.87E-09
2803	740240.43	4110282.29	3.10E-08	5.65E-08	3.10E-09	9.06E-08	4.81E-09	9.26E-09	4.65E-10	1.45E-08	4.67E-09	7.97E-09	5.91E-10	1.32E-08	2.66E-09	4.40E-09	1.46E-10	7.20E-09
2804	740233.01	4110240.29	3.20E-08	5.83E-08	3.20E-09	9.35E-08	4.96E-09	9.56E-09	4.80E-10	1.50E-08	4.82E-09	8.22E-09	6.10E-10	1.37E-08	2.74E-09	4.54E-09	1.50E-10	7.43E-09
2805	740225.59	4110198.29	3.24E-08	5.91E-08	3.24E-09	9.48E-08	5.03E-09	9.69E-09	4.87E-10	1.52E-08	4.89E-09	8.34E-09	6.18E-10	1.38E-08	2.78E-09	4.60E-09	1.52E-10	7.53E-09
2806	740218.18	4110156.29	3.23E-08	5.88E-08	3.23E-09	9.43E-08	5.01E-09	9.64E-09	4.84E-10	1.51E-08	4.87E-09	8.30E-09	6.15E-10	1.38E-08	2.77E-09	4.58E-09	1.52E-10	7.49E-09
2807	740210.76	4110114.29	3.16E-08	5.76E-08	3.16E-09	9.24E-08	4.90E-09	9.45E-09	4.75E-10	1.48E-08	4.77E-09	8.13E-09	6.02E-10	1.35E-08	2.71E-09	4.48E-09	1.49E-10	7.34E-09
2808	740203.34	4110072.29	3.06E-08	5.57E-08	3.06E-09	8.93E-08	4.74E-09	9.13E-09	4.59E-10	1.43E-08	4.61E-09	7.86E-09	5.83E-10	1.31E-08	2.62E-09	4.34E-09	1.44E-10	7.10E-09
2809	740195.93	4110030.29	2.93E-08	5.34E-08	2.93E-09	8.56E-08	4.55E-09	8.76E-09	4.40E-10	1.37E-08	4.42E-09	7.53E-09	5.58E-10	1.25E-08	2.51E-09	4.16E-09	1.38E-10	6.80E-09
2810	740188.51	4109988.29	2.79E-08	5.09E-08	2.80E-09	8.17E-08	4.33E-09	8.35E-09	4.19E-10	1.31E-08	4.21E-09	7.18E-09	5.32E-10	1.19E-08	2.39E-09	3.96E-09	1.31E-10	6.49E-09
2811	740181.09	4109946.29	2.66E-08	4.85E-08	2.66E-09	7.77E-08	4.12E-09	7.94E-09	3.99E-10	1.25E-08	4.01E-09	6.84E-09	5.07E-10	1.14E-08	2.28E-09	3.77E-09	1.25E-10	6.17E-09
2812	740173.68	4109904.28	2.53E-08	4.62E-08	2.54E-09	7.40E-08	3.93E-09	7.57E-09	3.80E-10	1.19E-08	3.82E-09	6.51E-09	4.83E-10	1.08E-08	2.17E-09	3.59E-09	1.19E-10	5.88E-09
2813	740166.26	4109862.28	2.43E-08	4.42E-08	2.43E-09	7.09E-08	3.76E-09	7.25E-09	3.64E-10	1.14E-08	3.66E-09	6.23E-09	4.62E-10	1.04E-08	2.08E-09	3.44E-09	1.14E-10	5.63E-09
2814	740158.84	4109820.28	2.34E-08	4.26E-08	2.34E-09	6.84E-08	3.63E-09	6.99E-09	3.51E-10	1.10E-08	3.53E-09	6.01E-09	4.46E-10	9.99E-09	2.00E-09	3.32E-09	1.10E-10	5.43E-09
2815	740151.43	4109778.28	2.28E-08	4.15E-08	2.28E-09	6.66E-08	3.53E-09	6.81E-09	3.42E-10	1.07E-08	3.44E-09	5.86E-09	4.34E-10	9.73E-09	1.95E-09	3.23E-09	1.07E-10	5.29E-09
2816	740144.01	4109736.28	2.24E-08	4.08E-08	2.24E-09	6.55E-08	3.47E-09	6.69E-09	3.36E-10	1.05E-08	3.38E-09	5.76E-09	4.27E-10	9.57E-09	1.92E-09	3.18E-09	1.05E-10	5.20E-09
2817	740136.59	4109694.28	2.22E-08	4.05E-08	2.22E-09	6.49E-08	3.44E-09	6.64E-09	3.33E-10	1.04E-08	3.35E-09	5.71E-09	4.23E-10	9.48E-09	1.90E-09	3.15E-09	1.04E-10	5.16E-09
2818	740129.18	4109652.28	2.21E-08	4.03E-08	2.21E-09	6.46E-08	3.43E-09	6.61E-09	3.32E-10	1.04E-08	3.34E-09	5.69E-09	4.21E-10	9.44E-09	1.90E-09	3.14E-09	1.04E-10	5.14E-09
2819	740121.76	4109610.28	2.20E-08	4.02E-08	2.21E-09	6.44E-08	3.42E-09	6.58E-09	3.31E-10	1.03E-08	3.32E-09	5.67E-09	4.20E-10	9.41E-09	1.89E-09	3.12E-09	1.04E-10	5.12E-09
2820	740114.34	4109568.28	2.19E-08	3.99E-08	2.19E-09	6.40E-08	3.39E-09	6.54E-09	3.29E-10	1.03E-08	3.30E-09	5.63E-09	4.17E-10	9.34E-09	1.88E-09	3.10E-09	1.03E-10	5.08E-09
2821	740106.93	4109526.28	2.16E-08	3.94E-08	2.16E-09	6.31E-08	3.35E-09	6.45E-09	3.24E-10	1.01E-08	3.26E-09	5.55E-09	4.12E-10	9.22E-09	1.85E-09	3.06E-09	1.01E-10	5.01E-09
2822	740115.41	4109487.78	2.14E-08	3.90E-08	2.14E-09	6.25E-08	3.32E-09	6.39E-09	3.21E-10	1.00E-08	3.22E-09	5.50E-09	4.07E-10	9.13E-09	1.83E-09	3.03E-09	1.00E-10	4.96E-09
2823	740139.78	4109452.78	2.12E-08	3.86E-08	2.12E-09	6.20E-08	3.29E-09	6.33E-09	3.18E-10	9.94E-09	3.20E-09	5.45E-09	4.04E-10	9.05E-09	1.82E-09	3.01E-09	9.96E-11	4.92E-09
2824	740164.15	4109417.78	2.08E-08	3.79E-08	2.08E-09	6.07E-08	3.22E-09	6.21E-09	3.12E-10	9.74E-09	3.13E-09	5.34E-09	3.96E-10	8.87E-09	1.78E-09	2.95E-09	9.76E-11	4.82E-09
2825	740188.53	4109382.78	2.01E-08	3.67E-08	2.01E-09	5.88E-08	3.12E-09	6.01E-09	3.02E-10	9.44E-09	3.04E-09	5.18E-09	3.84E-10	8.60E-09	1.73E-09	2.85E-09	9.46E-11	4.67E-09
2826	740212.9	4109347.78	1.93E-08	3.52E-08	1.93E-09	5.65E-08	3.00E-09	5.77E-09	2.90E-10	9.06E-09	2.91E-09	4.97E-09	3.68E-10	8.25E-09	1.66E-09	2.74E-09	9.08E-11	4.49E-09
2827	740237.27	4109312.78	1.84E-08	3.35E-08	1.84E-09	5.38E-08	2.85E-09	5.50E-09	2.76E-10	8.63E-09	2.78E-09	4.73E-09	3.51E-10	7.86E-09	1.58E-09	2.61E-09	8.65E-11	4.27E-09
2828	740261.65	4109277.78	1.75E-08	3.18E-08	1.75E-09	5.10E-08	2.71E-09	5.21E-09	2.62E-10	8.18E-09	2.63E-09	4.49E-09	3.33E-10	7.45E-09	1.50E-09	2.47E-09	8.20E-11	4.05E-09
2829	740286.02	4109242.78	1.65E-08	3.01E-08	1.65E-09	4.83E-08	2.56E-09	4.93E-09	2.48E-10	7.74E-09	2.49E-09	4.25E-09	3.15E-10	7.05E-09	1.42E-09	2.34E-09	7.76E-11	3.84E-09
2830	740310.39	4109207.78	1.56E-08	2.85E-08	1.56E-09	4.57E-08	2.42E-09	4.67E-09	2.35E-10	7.33E-09	2.36E-09	4.02E-09	2.98E-10	6.67E-09	1.34E-09	2.22E-09	7.35E-11	3.63E-09
2831	740334.77	4109172.78	1.48E-08	2.70E-08	1.48E-09	4.33E-08	2.30E-09	4.42E-09	2.22E-10	6.94E-09	2.23E-09	3.81E-09	2.82E-10	6.32E-09	1.27E-09	2.10E-09	6.96E-11	3.44E-09
2832	740359.14	4109137.78	1.40E-08	2.55E-08	1.40E-09	4.10E-08	2.17E-09	4.19E-09	2.10E-10	6.57E-09	2.11E-09	3.60E-09	2.67E-10	5.98E-09	1.20E-09	1.99E-09	6.59E-11	3.25E-09
2833	740383.51	4109102.78	1.33E-08	2.42E-08	1.33E-09	3.88E-08	2.06E-09	3.96E-09	1.99E-10	6.22E-09	2.00E-09	3.41E-09	2.53E-10	5.66E-09	1.14E-09	1.88E-09	6.23E-11	3.08E-09
2834	740407.89	4109067.78	1.25E-08	2.29E-08	1.26E-09	3.67E-08	1.95E-09	3.75E-09	1.88E-10	5.88E-09	1.89E-09	3.23E-09	2.39E-10	5.36E-09	1.08E-09	1.78E-09	5.90E-11	2.91E-09
2835	740432.26	4109032.78	1.19E-08	2.16E-08	1.19E-09	3.47E-08	1.84E-09	3.55E-09	1.78E-10	5.57E-09	1.79E-09	3.05E-09	2.26E-10	5.07E-09	1.02E-09	1.68E-09	5.58E-11	2.76E-09
2836	740456.63	4108997.78	1.12E-08	2.05E-08	1.13E-09	3.29E-08	1.74E-09	3.36E-09	1.69E-10	5.27E-09	1.70E-09	2.89E-09	2.14E-10	4.80E-09	9.64E-10	1.59E-09	5.29E-11	2.61E-09
2837	740481.01	4108962.78	1.07E-08	1.95E-08	1.07E-09	3.12E-08	1.66E-09	3.19E-09	1.60E-10	5.01E-09	1.61E-09	2.75E-09	2.04E-10	4.56E-09	9.16E-10	1.52E-09	5.02E-11	2.48E-09
2838	740505.38	4108927.78	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.59E-09	3.06E-09	1.54E-10	4.80E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.77E-10	1.45E-09	4.81E-11	2.37E-09
2839	740529.75	4108892.78	9.89E-09	1.80E-08	9.89E-10	2.89E-08	1.53E-09	2.95E-09	1.48E-10	4.64E-09	1.49E-09	2.54E-09	1.88E-10	4.22E-09	8.47E-10	1.40E-09	4.65E-11	2.30E-09
2840	740554.13	4108857.78	9.67E-09	1.76E-08	9.68E-10	2.83E-08	1.50E-09	2.89E-09	1.45E-10	4.53E-09	1.46E-09	2.49E-09	1.84E-10	4.13E-09	8.29E-10	1.37E-09	4.54E-11	2.25E-09
2841	740578.5	4108822.78	9.58E-09	1.75E-08	9.58E-10	2.80E-08	1.49E-09	2.86E-09	1.44E-10	4.49E-09	1.44E-09	2.46E-09	1.83E-10	4.09E-09	8.21E-10	1.36E-09	4.50E-11	2.22E-09
2842	740602.87	4108787.78	9.58E-09	1.75E-08	9.59E-10	2.80E-08	1.49E-09	2.86E-09	1.44E-10	4.49E-09	1.44E-09	2.46E-09	1.83E-10	4.09E-09	8.21E-10	1.36E-09	4.50E-11	2.22E-09
2843	740627.25	4108752.78	9.66E-09	1.76E-08	9.66E-10	2.82E-08	1.50E-09	2.89E-09	1.45E-10	4.53E-09	1.46E-09	2.48E-09	1.84E-10	4.12E-09	8.28E-10	1.37E-09	4.54E-11	2.24E-09
2844	740651.62	4108717.78	9.77E-09	1.78E-08	9.77E-10	2.85E-08	1.51E-09	2.92E-09	1.47E-10	4.58E-09	1.47E-09	2.51E-09	1.86E-10	4.17E-09	8.37E-10	1.38E-09	4.59E-11	2.27E-09

2845	740675.99	4108682.78	9.89E-09	1.80E-08	9.89E-10	2.89E-08	1.53E-09	2.95E-09	1.48E-10	4.64E-09	1.49E-09	2.54E-09	1.88E-10	4.22E-09	8.47E-10	1.40E-09	4.65E-11	2.30E-09
2846	740700.37	4108647.78	9.98E-09	1.82E-08	9.98E-10	2.92E-08	1.55E-09	2.98E-09	1.50E-10	4.68E-09	1.50E-09	2.57E-09	1.90E-10	4.26E-09	8.55E-10	1.41E-09	4.69E-11	2.32E-09
2847	740724.74	4108612.78	1.00E-08	1.82E-08	1.00E-09	2.93E-08	1.55E-09	2.99E-09	1.50E-10	4.70E-09	1.51E-09	2.57E-09	1.91E-10	4.28E-09	8.58E-10	1.42E-09	4.71E-11	2.33E-09
2848	740749.11	4108577.78	9.98E-09	1.82E-08	9.99E-10	2.92E-08	1.55E-09	2.98E-09	1.50E-10	4.68E-09	1.51E-09	2.57E-09	1.90E-10	4.26E-09	8.56E-10	1.42E-09	4.69E-11	2.32E-09
2849	740773.49	4108542.78	9.88E-09	1.80E-08	9.89E-10	2.89E-08	1.53E-09	2.95E-09	1.48E-10	4.63E-09	1.49E-09	2.54E-09	1.88E-10	4.22E-09	8.47E-10	1.40E-09	4.65E-11	2.30E-09
2850	740797.86	4108507.78	9.70E-09	1.77E-08	9.71E-10	2.84E-08	1.51E-09	2.90E-09	1.46E-10	4.55E-09	1.46E-09	2.49E-09	1.85E-10	4.14E-09	8.32E-10	1.38E-09	4.56E-11	2.25E-09
2851	740822.23	4108472.78	9.45E-09	1.72E-08	9.46E-10	2.76E-08	1.47E-09	2.82E-09	1.42E-10	4.43E-09	1.43E-09	2.43E-09	1.80E-10	4.04E-09	8.10E-10	1.34E-09	4.44E-11	2.19E-09
2852	740846.61	4108437.78	9.15E-09	1.67E-08	9.15E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.29E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.84E-10	1.30E-09	4.30E-11	2.12E-09
2853	740870.98	4108402.78	8.80E-09	1.60E-08	8.80E-10	2.57E-08	1.36E-09	2.63E-09	1.32E-10	4.12E-09	1.33E-09	2.26E-09	1.68E-10	3.76E-09	7.54E-10	1.25E-09	4.13E-11	2.04E-09
2854	740895.35	4108367.78	8.43E-09	1.54E-08	8.44E-10	2.46E-08	1.31E-09	2.52E-09	1.27E-10	3.95E-09	1.27E-09	2.17E-09	1.61E-10	3.60E-09	7.23E-10	1.20E-09	3.96E-11	1.96E-09
2855	740366.82	4110951.3	2.24E-08	4.08E-08	2.24E-09	6.55E-08	3.48E-09	6.69E-09	3.36E-10	1.05E-08	3.38E-09	5.76E-09	4.27E-10	9.57E-09	1.92E-09	3.18E-09	1.05E-10	5.20E-09
2856	740389.71	4110987.29	2.26E-08	4.12E-08	2.27E-09	6.62E-08	3.51E-09	6.76E-09	3.40E-10	1.06E-08	3.41E-09	5.82E-09	4.31E-10	9.66E-09	1.94E-09	3.21E-09	1.06E-10	5.26E-09
2857	740014.15	4111127.08	1.67E-08	3.04E-08	1.67E-09	4.88E-08	2.59E-09	4.99E-09	2.51E-10	7.83E-09	2.52E-09	4.30E-09	3.18E-10	7.13E-09	1.43E-09	2.37E-09	7.85E-11	3.88E-09
2858	740006.8	4111085.43	1.68E-08	3.05E-08	1.68E-09	4.90E-08	2.60E-09	5.00E-09	2.51E-10	7.85E-09	2.53E-09	4.31E-09	3.19E-10	7.15E-09	1.44E-09	2.38E-09	7.87E-11	3.89E-09
2859	739999.44	4111043.77	1.68E-08	3.06E-08	1.68E-09	4.90E-08	2.60E-09	5.01E-09	2.52E-10	7.87E-09	2.53E-09	4.31E-09	3.20E-10	7.16E-09	1.44E-09	2.38E-09	7.88E-11	3.90E-09
2860	739992.08	4111002.12	1.68E-08	3.06E-08	1.68E-09	4.91E-08	2.60E-09	5.02E-09	2.52E-10	7.87E-09	2.53E-09	4.32E-09	3.20E-10	7.17E-09	1.44E-09	2.38E-09	7.89E-11	3.90E-09
2861	739984.73	4110960.47	1.68E-08	3.07E-08	1.68E-09	4.92E-08	2.61E-09	5.03E-09	2.53E-10	7.89E-09	2.54E-09	4.32E-09	3.21E-10	7.18E-09	1.44E-09	2.39E-09	7.91E-11	3.91E-09
2862	739977.37	4110918.81	1.69E-08	3.08E-08	1.69E-09	4.94E-08	2.62E-09	5.05E-09	2.54E-10	7.92E-09	2.55E-09	4.34E-09	3.22E-10	7.21E-09	1.45E-09	2.39E-09	7.94E-11	3.92E-09
2863	739970.02	4110877.16	1.70E-08	3.10E-08	1.70E-09	4.97E-08	2.64E-09	5.08E-09	2.55E-10	7.97E-09	2.56E-09	4.37E-09	3.24E-10	7.26E-09	1.46E-09	2.41E-09	7.99E-11	3.95E-09
2864	739962.66	4110835.5	1.72E-08	3.13E-08	1.72E-09	5.01E-08	2.66E-09	5.13E-09	2.57E-10	8.04E-09	2.59E-09	4.41E-09	3.27E-10	7.32E-09	1.47E-09	2.43E-09	8.06E-11	3.98E-09
2865	739955.31	4110793.85	1.73E-08	3.16E-08	1.73E-09	5.06E-08	2.69E-09	5.18E-09	2.60E-10	8.13E-09	2.61E-09	4.46E-09	3.30E-10	7.40E-09	1.49E-09	2.46E-09	8.14E-11	4.02E-09
2866	739947.95	4110752.19	1.75E-08	3.19E-08	1.75E-09	5.11E-08	2.71E-09	5.23E-09	2.63E-10	8.20E-09	2.64E-09	4.50E-09	3.33E-10	7.47E-09	1.50E-09	2.48E-09	8.22E-11	4.06E-09
2867	739940.6	4110710.54	1.76E-08	3.22E-08	1.77E-09	5.16E-08	2.74E-09	5.27E-09	2.65E-10	8.27E-09	2.66E-09	4.54E-09	3.36E-10	7.53E-09	1.51E-09	2.50E-09	8.29E-11	4.10E-09
2868	739933.24	4110668.89	1.78E-08	3.24E-08	1.78E-09	5.20E-08	2.76E-09	5.32E-09	2.67E-10	8.34E-09	2.68E-09	4.58E-09	3.39E-10	7.60E-09	1.52E-09	2.52E-09	8.36E-11	4.13E-09
2869	739925.89	4110627.23	1.80E-08	3.28E-08	1.80E-09	5.26E-08	2.79E-09	5.38E-09	2.70E-10	8.44E-09	2.71E-09	4.63E-09	3.43E-10	7.69E-09	1.54E-09	2.55E-09	8.46E-11	4.18E-09
2870	739918.53	4110585.58	1.83E-08	3.34E-08	1.83E-09	5.36E-08	2.84E-09	5.48E-09	2.75E-10	8.60E-09	2.76E-09	4.71E-09	3.49E-10	7.83E-09	1.57E-09	2.60E-09	8.62E-11	4.26E-09
2871	739911.18	4110543.92	1.89E-08	3.43E-08	1.89E-09	5.51E-08	2.92E-09	5.63E-09	2.83E-10	8.84E-09	2.84E-09	4.85E-09	3.59E-10	8.05E-09	1.62E-09	2.67E-09	8.86E-11	4.38E-09
2872	739903.82	4110502.27	1.96E-08	3.57E-08	1.96E-09	5.72E-08	3.04E-09	5.85E-09	2.94E-10	9.18E-09	2.95E-09	5.03E-09	3.73E-10	8.36E-09	1.68E-09	2.78E-09	9.20E-11	4.55E-09
2873	739896.46	4110460.61	2.05E-08	3.74E-08	2.05E-09	5.99E-08	3.18E-09	6.13E-09	3.08E-10	9.62E-09	3.09E-09	5.27E-09	3.91E-10	8.76E-09	1.76E-09	2.91E-09	9.64E-11	4.76E-09
2874	739889.11	4110418.96	2.16E-08	3.93E-08	2.16E-09	6.30E-08	3.34E-09	6.44E-09	3.24E-10	1.01E-08	3.25E-09	5.54E-09	4.11E-10	9.20E-09	1.85E-09	3.06E-09	1.01E-10	5.01E-09
2875	739881.75	4110377.3	2.26E-08	4.12E-08	2.26E-09	6.60E-08	3.50E-09	6.75E-09	3.39E-10	1.06E-08	3.41E-09	5.81E-09	4.31E-10	9.65E-09	1.94E-09	3.20E-09	1.06E-10	5.25E-09
2876	739874.4	4110335.65	2.35E-08	4.29E-08	2.35E-09	6.87E-08	3.65E-09	7.03E-09	3.53E-10	1.10E-08	3.55E-09	6.05E-09	4.48E-10	1.00E-08	2.02E-09	3.33E-09	1.11E-10	5.46E-09
2877	739867.04	4110294	2.42E-08	4.41E-08	2.42E-09	7.07E-08	3.75E-09	7.23E-09	3.63E-10	1.13E-08	3.65E-09	6.22E-09	4.61E-10	1.03E-08	2.07E-09	3.43E-09	1.14E-10	5.62E-09
2878	739859.69	4110252.34	2.45E-08	4.47E-08	2.46E-09	7.17E-08	3.81E-09	7.33E-09	3.68E-10	1.15E-08	3.70E-09	6.31E-09	4.68E-10	1.05E-08	2.10E-09	3.48E-09	1.15E-10	5.70E-09
2879	739852.33	4110210.69	2.45E-08	4.47E-08	2.45E-09	7.17E-08	3.80E-09	7.33E-09	3.68E-10	1.15E-08	3.70E-09	6.30E-09	4.67E-10	1.05E-08	2.10E-09	3.48E-09	1.15E-10	5.69E-09
2880	739844.98	4110169.03	2.42E-08	4.41E-08	2.42E-09	7.07E-08	3.75E-09	7.23E-09	3.63E-10	1.13E-08	3.65E-09	6.22E-09	4.61E-10	1.03E-08	2.07E-09	3.43E-09	1.14E-10	5.62E-09
2881	739837.62	4110127.38	2.36E-08	4.30E-08	2.36E-09	6.90E-08	3.66E-09	7.05E-09	3.54E-10	1.11E-08	3.56E-09	6.07E-09	4.50E-10	1.01E-08	2.02E-09	3.35E-09	1.11E-10	5.48E-09
2882	739830.27	4110085.72	2.29E-08	4.17E-08	2.29E-09	6.68E-08	3.55E-09	6.83E-09	3.43E-10	1.07E-08	3.45E-09	5.88E-09	4.36E-10	9.76E-09	1.96E-09	3.24E-09	1.07E-10	5.31E-09
2883	739822.91	4110044.07	2.20E-08	4.01E-08	2.20E-09	6.44E-08	3.42E-09	6.58E-09	3.31E-10	1.03E-08	3.32E-09	5.66E-09	4.20E-10	9.41E-09	1.89E-09	3.12E-09	1.04E-10	5.11E-09
2884	739815.56	4110002.41	2.11E-08	3.85E-08	2.12E-09	6.18E-08	3.28E-09	6.32E-09	3.17E-10	9.91E-09	3.19E-09	5.44E-09	4.03E-10	9.03E-09	1.81E-09	3.00E-09	9.94E-11	4.91E-09
2885	739808.2	4109960.76	2.03E-08	3.69E-08	2.03E-09	5.92E-08	3.14E-09	6.05E-09	3.04E-10	9.50E-09	3.05E-09	5.21E-09	3.86E-10	8.65E-09	1.74E-09	2.87E-09	9.52E-11	4.70E-09
2886	739800.84	4109919.11	1.94E-08	3.54E-08	1.94E-09	5.67E-08	3.01E-09	5.80E-09	2.91E-10	9.10E-09	2.93E-09	4.99E-09	3.70E-10	8.28E-09	1.66E-09	2.75E-09	9.12E-11	4.50E-09
2887	739793.49	4109877.45	1.86E-08	3.39E-08	1.86E-09	5.44E-08	2.89E-09	5.56E-09	2.79E-10	8.73E-09	2.81E-09	4.79E-09	3.55E-10	7.95E-09	1.60E-09	2.64E-09	8.75E-11	4.32E-09
2888	739786.13	4109835.8	1.79E-08	3.27E-08	1.79E-09	5.24E-08	2.78E-09	5.36E-09	2.69E-10	8.41E-09	2.70E-09	4.61E-09	3.42E-10	7.66E-09	1.54E-09	2.54E-09	8.43E-11	4.16E-09
2889	739778.78	4109794.14	1.74E-08	3.17E-08	1.74E-09	5.08E-08	2.69E-09	5.19E-09	2.61E-10	8.14E-09	2.62E-09	4.47E-09	3.31E-10	7.42E-09	1.49E-09	2.46E-09	8.16E-11	4.03E-09
2890	739771.42	4109752.49	1.69E-08	3.09E-08	1.70E-09	4.95E-08	2.63E-09	5.06E-09	2.54E-10	7.95E-09	2.56E-09	4.36E-09	3.23E-10	7.24E-09	1.45E-09	2.40E-09	7.96E-11	3.93E-09
2891	739764.07	4109710.83	1.67E-08	3.04E-08	1.67E-09	4.87E-08	2.58E-09	4.98E-09	2.50E-10	7.81E-09	2.51E-09	4.28E-09	3.18E-10	7.12E-09	1.43E-09	2.36E-09	7.83E-11	3.87E-09
2892	739756.71	4109669.18	1.65E-08	3.01E-08	1.65E-09	4.83E-08	2.56E-09	4.93E-09	2.48E-10	7.74E-09	2.49E-09	4.25E-09	3.15E-10	7.05E-09	1.42E-09	2.34E-09	7.76E-11	3.83E-09
2893	739749.36	4109627.52	1.65E-08	3.00E-08	1.65E-09	4.81E-08	2.55E-09	4.92E-09	2.47E-10	7.72E-09	2.48E-09	4.23E-09	3.14E-10	7.03E-09	1.41E-09	2.33E-09	7.74E-11	3.82E-09
2894	739742	4109585.87	1.65E-08	3.00E-08	1.65E-09	4.81E-08	2.55E-09	4.92E-09	2.47E-10	7.72E-09	2.48E-09	4.24E-09	3.14E-10	7.03E-09	1.41E-09	2.34E-09	7.74E-11	3.83E-09
2895	739734.65	4109544.22	1.65E-08	3.01E-08	1.65E-09	4.82E-08	2.56E-09	4.93E-09	2.48E-10	7.74E-09	2.49E-09	4.24E-09	3.14E-10	7.04E-09	1.41E-09	2.34E-09	7.75E-11	3.83E-09
2896	739727.29	4109502.56	1.65E-08	3.01E-08	1.65E-09	4.82E-08	2.56E-09	4.93E-09	2.48E-10	7.73E-09	2.49E-09	4.24E-09	3.14E-10	7.04E-09	1.41E-09	2.34E-09	7.75E-11	3.83E-09
2897	739719.94	4109460.91	1.64E-08	2.99E-08	1.64E-09	4.80E-08	2.55E-09	4.90E-09	2.46E-10	7.70E-09	2.48E-09	4.22E-09	3.13E-10	7.01E-09	1.41E-09	2.33E-09	7.71E-11	3.81E-09
2898	739724.67	4109401.9	1.63E-08	2.96E-08	1.63E-09	4.75E-08	2.52E-09	4.86E-09	2.44E-10	7.63E-09	2.45E-09	4.18E-09	3.10E-10	6.94E-09	1.39E-09	2.31E-09	7.65E-11	3.78E-09
2899	739748.84	4109367.19	1.62E-08	2.96E-08	1.62E-09	4.74E-08	2.52E-09	4.85E-09	2.44E-10	7.61E-09	2.45E-09	4.17E-09	3.09E-10	6.93E-09	1.39E-09	2.30E-09	7.63E-11	3.77E-09
2900	739773.01	4109332.47	1.61E-08	2.93E-08	1.61E-09	4.69E-08	2.49E-09	4.80E-09	2.41E-10	7.53E-09	2.42E-09	4.13E-09	3.06E-10	6.86E-09	1.38E-09	2.28E-09	7.55E-11	3.73E-09
2901	739797.18	4109297.76	1.57E-08	2.87E-08	1.58E-09	4.60E-08	2.44E-09	4.70E-09	2.36E-10	7.38E-09	2.37E-09	4.05E-09	3.00E-10	6.72E-09	1.35E-09	2.23E-09	7.40E-11	3.66E-09
2902	739821.36	4109263.05	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.17E-09	2.31E-09	3.93E-09	2.91E-10	6.53E-09	1.31E-09	2.17E-09	7.19E-11	3.55E-09
2903	739845.53	4109228.34	1.47E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.40E-09	2.21E-10	6.91E-09	2.22E-09	3.79E-09	2.81E-10	6.29E-09	1.26E-09	2.09E-09	6.93E-11	3.42E-09
2904	739869.7	4109193.63	1.41E-08	2.57E-08	1.41E-09	4.13E-08	2.19E-09	4.22E-09	2.12E-10	6.62E-09	2.13E-09	3.63E-09	2.69E-10	6.03E-09	1.21E-09	2.00E-09	6.64E-11	3.28E-09
2905	739893.87	4109158.92	1.35E-08	2.46E-08	1.35E-09	3.94E-08	2.09E-09	4.03E-09	2.02E-10	6.32E-09	2.03E-09	3.47E-09	2.57E-10	5.76E-09	1.16E-09	1.91E-09	6.34E-11	3.13E-09
2906	739918.05	4109124.21	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.83E-09	1.93E-10	6.02E-09	1.94E-09	3.30E-09	2.45E-10	5.48E-09	1.10E-09	1.82E-09	6.03E-11	2.98E-09
2907	739942.22	4109089.49	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.89E-09	3.65E-09	1.83E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.74E-11	2.84E-09
2908	739966.39	4109054.78	1.17E-08	2.12E-08	1.17E-09	3.41E-08	1.81E-09	3.48E-09	1.75E-10	5.46E-09	1.76E-09	3.00E-09	2.22E-10	4.98E-09	9.99E-10	1.65E-09	5.48E-11	2.71E-09
2909	739990.56	4109020.07	1.11E-08	2.03E-08	1.11E-09	3.25E-08	1.73E-09	3.33E-09	1.67E-10	5.22E-09	1.68E-09	2.86E-09	2.12E-10	4.75E-09	9.54E-10	1.58E-09	5.23E-11	2.59E-09
2910	740014.74	4108985.36	1.07E-08	1.94E-08	1.07E-09	3.12E-08	1.65E-09	3.19E-09	1.60E-10	5.00E-09	1.61E-09	2.74E-09	2.03E-10	4.55E-09	9.14E-10	1.51E-09	5.01E-11	2.48E-09
2911	740038.91	4108950.65	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.59E-09	3.06E-09	1.53E-10	4.79E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.76E-10	1.45E-09	4.81E-11	2.37E-09
2912	740063.08	4108915.94	9.80E-09	1.79E-08	9.81E-10	2.86E-08	1.52E-09	2.93E-09	1.47E-10	4.59E-09	1.48E-09	2.52E-09	1.87E-10	4.18E-09	8.40E-10	1.39E-09	4.61E-11	2.28E-09
2913	740087.25	4108881.23	9.38E-09	1.71E-08	9.38E-10	2.74E-08	1.45E-09	2.80E-09	1.41E-10	4.40E-09	1.41E-09	2.41E-09	1.79E-10	4.00E-09	8.04E-10	1.33E-09	4.41E-11	2.18E-09
2914	740111.43	4108846.51	8.96E-09	1.63E-08	8.96E-10	2.62E-08	1.39E-09	2.68E-09	1.34E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.82E-09	7.67E-10	1.27E-09	4.21E-11	2.08E-09
2915	740135.6	4108811.8	8.53E-09	1.56E-08	8.54E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.19E-09	1.63E-10	3.64E-09	7.31E-10	1.21E-09	4.01E-11	1.98E-09
2916	740159.77	4108777.09	8.13E-09	1.48E-08	8.14E-10	2.38E-08	1.26E-09	2.43E-09	1.22E-10	3.81E-09	1.23E-09	2.09E-09	1.55E-10	3.47E-09	6.97E-10	1.15E-09	3.82E-11	1.89E-09
2917	740183.94	4108742.38	7.77E-09	1.42E-08	7.78E-10	2.27E-08	1.21E-09	2.32E-09	1.17E-10	3.64E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.66E-10	1.10E-09	3.65E-11	1.80E-09
2918	740208.12	4108707.67	7.47E-09	1.36E-08	7.47E-10	2.18E-08	1.16E-09	2.23E-09	1.12E-10	3.50E-09	1.13E-09	1.92E-09	1.42E-10	3.19E-09	6.40E-10	1.06E-09	3.51E-11	1.73E-09
2919	740232.29	4108672.96	7.25E-09	1.32E-08	7.25E-10	2.12E-08	1.12E-09	2.16E-09	1.09E-10	3.40E-09	1.09E-09	1.86E-09	1.38E-10	3.09E-09	6.21E-10	1.03E-09	3.40E-11	1.68E-09
2920	740256.46	4108638.25	7.11E-09	1.29E-08	7.11E-10	2.08E-08	1.10E-09	2.12E-09	1.07E-10	3.33E-09	1.07E-09	1.83E-09	1.35E-10	3.03E-09	6.09E-10	1.01E-09	3.34E-11	1.65E-09
2921	740280.63	4108603.53	7.05E-09	1.28E-08	7.05E-10	2.06E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.01E-09	6.04E-10	9.99E-10	3.31E-11	1.64E-09
2922	740304.8	4108568.82	7.06E-09	1.29E-08	7.06E-10	2.06E-08	1.09E-09	2.11E-09	1.06E-10	3.31E-09	1.06E-09	1.81E-09	1.34E-10	3.01E-09	6.05E-10	1.00E-09	3.32E-11	1.64E-09
2923	740328.98	4108534.11	7.12E-09	1.30E-08	7.12E-10	2.08E-08	1.10E-09	2.13E-09	1.07E-10	3.34E-09	1.07E-09	1.83E-09	1.36E-10	3.04E-09	6.10E-10	1.01E-09	3.35E-11	1.65E-09
2924	740353.15	4108499.4	7.21E-09	1.31E-08	7.22E-10	2.11E-08	1.12E-09	2.15E-09	1.08E-10	3.38E-09	1.09E-09	1.85E-09	1.37E-10	3.08E-09	6.18E-10	1.02E-09	3.39E-11	1.67E-09
2925	740377.32	4108464.69	7.32E-09	1.33E-08	7.33E-10	2.14E-08	1.14E-09	2.19E-09	1.10E-10	3.43E-09	1.10E-09	1.88E-09	1.40E-10	3.13E-09	6.27E-10	1.04E-09	3.44E-11	1.70E-09
2926	740401.49	4108429.98	7.43E-09	1.35E-08	7.43E-10	2.17E-08	1.15E-09	2.22E-09	1.11E-10	3.48E-09	1.12E-09	1.91E-09	1.41E-10	3.17E-09	6.36E-10	1.05E-09	3.49E-11	1.72E-09
2927	740425.67	4108395.27	7.51E-09	1.37E-08	7.52E-10	2.20E-08	1.16E-09	2.24E-09	1.13E-10	3.52E-09	1.13E-09	1.93E-09	1.43E-10	3.21E-09	6.44E-10	1.07E-09	3.53E-11	1.74E-09
2928	740449.84	4108360.55	7.56E-09	1.38E-08	7.57E-10	2.21E-08	1.17E-09	2.26E-09	1.14E-10	3.55E-09	1.14E-09	1.94E-09	1.44E-10	3.23E-09	6.48E-10	1.07E-09	3.55E-11	1.76E-09
2929	740474.01	4108325.84	7.58E-09	1.38E-08	7.59E-10	2.22E-08	1.18E-09	2.26E-09	1.14E-10	3.55E-09	1.14E-09	1.95E-09	1.44E-10	3.24E-09	6.50E-10	1.07E-09	3.56E-11	1.76E-09
2930	740498.18	4108291.13	7.56E-09	1.38E-08	7.56E-10	2.21E-08	1.17E-09	2.26E-09	1.13E-10	3.54E-09	1.14E-09	1.94E-09	1.44E-10	3.23E-09	6.48E-10	1.07E-09	3.55E-11	1.76E-09
2931	740522.36	4108256.42	7.50E-09	1.37E-08	7.51E-10	2.19E-08	1.16E-09	2.24E-09	1.13E-10	3.52E-09	1.13E-09	1.93E-09	1.43E-10	3.20E-09	6.43E-10	1.06E-09	3.53E-11	1.74E-09
2932	740546.53	4108221.71	7.40E-09	1.35E-08	7.41E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.47E-09	1.12E-09	1.90E-09	1.41E-10	3.16E-09	6.34E-10	1.05E-09	3.48E-11	1.72E-09
2933	740570.7	4108187	7.26E-09	1.32E-08	7.27E-10	2.12E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.38E-10	3.10E-09	6.22E-10	1.03E-09	3.41E-11	1.69E-09

2934	740594.87	4108152.28	7.09E-09	1.29E-08	7.09E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.03E-09	6.07E-10	1.01E-09	3.33E-11	1.65E-09
2935	740619.05	4108117.57	6.88E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.90E-10	9.76E-10	3.23E-11	1.60E-09
2936	740643.22	4108082.86	6.65E-09	1.21E-08	6.65E-10	1.94E-08	1.03E-09	1.99E-09	9.98E-11	3.12E-09	1.00E-09	1.71E-09	1.27E-10	2.84E-09	5.70E-10	9.42E-10	3.12E-11	1.54E-09
2937	740667.39	4108048.15	6.40E-09	1.17E-08	6.40E-10	1.87E-08	9.92E-10	1.91E-09	9.60E-11	3.00E-09	9.65E-10	1.64E-09	1.22E-10	2.73E-09	5.48E-10	9.07E-10	3.01E-11	1.49E-09
2938	740691.56	4108013.44	6.15E-09	1.12E-08	6.15E-10	1.80E-08	9.53E-10	1.84E-09	9.23E-11	2.88E-09	9.27E-10	1.58E-09	1.17E-10	2.62E-09	5.27E-10	8.72E-10	2.89E-11	1.43E-09
2939	740029.27	4111165.91	1.68E-08	3.05E-08	1.68E-09	4.90E-08	2.60E-09	5.00E-09	2.51E-10	7.85E-09	2.53E-09	4.31E-09	3.19E-10	7.15E-09	1.44E-09	2.38E-09	7.87E-11	3.89E-09
2940	740052.16	4111201.9	1.69E-08	3.08E-08	1.69E-09	4.93E-08	2.62E-09	5.04E-09	2.53E-10	7.92E-09	2.55E-09	4.34E-09	3.22E-10	7.21E-09	1.45E-09	2.39E-09	7.93E-11	3.92E-09
2941	739676.58	4111341.6	1.31E-08	2.40E-08	1.32E-09	3.84E-08	2.04E-09	3.93E-09	1.97E-10	6.16E-09	1.98E-09	3.38E-09	2.51E-10	5.61E-09	1.13E-09	1.86E-09	6.18E-11	3.05E-09
2942	739669.19	4111299.76	1.32E-08	2.40E-08	1.32E-09	3.85E-08	2.05E-09	3.94E-09	1.98E-10	6.18E-09	1.99E-09	3.39E-09	2.51E-10	5.63E-09	1.13E-09	1.87E-09	6.20E-11	3.06E-09
2943	739661.8	4111257.92	1.32E-08	2.41E-08	1.32E-09	3.86E-08	2.05E-09	3.95E-09	1.98E-10	6.20E-09	1.99E-09	3.40E-09	2.52E-10	5.64E-09	1.13E-09	1.87E-09	6.21E-11	3.07E-09
2944	739654.42	4111216.08	1.32E-08	2.41E-08	1.32E-09	3.87E-08	2.05E-09	3.95E-09	1.99E-10	6.21E-09	2.00E-09	3.40E-09	2.52E-10	5.65E-09	1.13E-09	1.88E-09	6.22E-11	3.07E-09
2945	739647.03	4111174.24	1.32E-08	2.41E-08	1.32E-09	3.87E-08	2.05E-09	3.96E-09	1.99E-10	6.21E-09	2.00E-09	3.40E-09	2.52E-10	5.65E-09	1.13E-09	1.88E-09	6.22E-11	3.07E-09
2946	739639.64	4111132.4	1.33E-08	2.41E-08	1.33E-09	3.87E-08	2.05E-09	3.96E-09	1.99E-10	6.21E-09	2.00E-09	3.41E-09	2.52E-10	5.66E-09	1.14E-09	1.88E-09	6.23E-11	3.08E-09
2947	739632.25	4111090.55	1.33E-08	2.42E-08	1.33E-09	3.88E-08	2.06E-09	3.97E-09	1.99E-10	6.23E-09	2.00E-09	3.41E-09	2.53E-10	5.67E-09	1.14E-09	1.88E-09	6.24E-11	3.08E-09
2948	739624.86	4111048.71	1.33E-08	2.43E-08	1.33E-09	3.90E-08	2.07E-09	3.99E-09	2.00E-10	6.26E-09	2.01E-09	3.43E-09	2.54E-10	5.70E-09	1.14E-09	1.89E-09	6.27E-11	3.10E-09
2949	739617.47	4111006.87	1.34E-08	2.45E-08	1.34E-09	3.93E-08	2.08E-09	4.01E-09	2.02E-10	6.30E-09	2.03E-09	3.45E-09	2.56E-10	5.74E-09	1.15E-09	1.90E-09	6.31E-11	3.12E-09
2950	739610.09	4110965.03	1.36E-08	2.47E-08	1.36E-09	3.96E-08	2.10E-09	4.05E-09	2.03E-10	6.35E-09	2.04E-09	3.48E-09	2.58E-10	5.79E-09	1.16E-09	1.92E-09	6.37E-11	3.15E-09
2951	739602.7	4110923.19	1.37E-08	2.49E-08	1.37E-09	4.00E-08	2.12E-09	4.09E-09	2.05E-10	6.41E-09	2.06E-09	3.52E-09	2.61E-10	5.84E-09	1.17E-09	1.94E-09	6.43E-11	3.18E-09
2952	739595.31	4110881.35	1.38E-08	2.51E-08	1.38E-09	4.03E-08	2.14E-09	4.12E-09	2.07E-10	6.47E-09	2.08E-09	3.55E-09	2.63E-10	5.89E-09	1.18E-09	1.96E-09	6.48E-11	3.20E-09
2953	739587.92	4110839.51	1.39E-08	2.53E-08	1.39E-09	4.06E-08	2.15E-09	4.15E-09	2.09E-10	6.51E-09	2.09E-09	3.57E-09	2.65E-10	5.93E-09	1.19E-09	1.97E-09	6.53E-11	3.23E-09
2954	739580.53	4110797.67	1.40E-08	2.55E-08	1.40E-09	4.08E-08	2.17E-09	4.17E-09	2.10E-10	6.55E-09	2.11E-09	3.59E-09	2.66E-10	5.96E-09	1.20E-09	1.98E-09	6.57E-11	3.24E-09
2955	739573.14	4110755.83	1.41E-08	2.56E-08	1.41E-09	4.11E-08	2.18E-09	4.20E-09	2.11E-10	6.59E-09	2.12E-09	3.62E-09	2.68E-10	6.00E-09	1.21E-09	1.99E-09	6.61E-11	3.27E-09
2956	739565.76	4110713.98	1.42E-08	2.59E-08	1.42E-09	4.15E-08	2.20E-09	4.24E-09	2.13E-10	6.66E-09	2.14E-09	3.65E-09	2.71E-10	6.06E-09	1.22E-09	2.01E-09	6.68E-11	3.30E-09
2957	739558.37	4110672.14	1.44E-08	2.63E-08	1.45E-09	4.22E-08	2.24E-09	4.31E-09	2.17E-10	6.77E-09	2.18E-09	3.71E-09	2.75E-10	6.17E-09	1.24E-09	2.05E-09	6.79E-11	3.35E-09
2958	739550.98	4110630.3	1.48E-08	2.70E-08	1.48E-09	4.33E-08	2.30E-09	4.42E-09	2.22E-10	6.94E-09	2.23E-09	3.81E-09	2.82E-10	6.32E-09	1.27E-09	2.10E-09	6.96E-11	3.44E-09
2959	739543.59	4110588.46	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.18E-09	2.31E-09	3.94E-09	2.92E-10	6.54E-09	1.31E-09	2.17E-09	7.20E-11	3.56E-09
2960	739536.2	4110546.62	1.60E-08	2.91E-08	1.60E-09	4.66E-08	2.47E-09	4.77E-09	2.39E-10	7.48E-09	2.41E-09	4.10E-09	3.04E-10	6.81E-09	1.37E-09	2.26E-09	7.50E-11	3.70E-09
2961	739528.81	4110504.78	1.67E-08	3.04E-08	1.67E-09	4.87E-08	2.59E-09	4.98E-09	2.50E-10	7.82E-09	2.52E-09	4.29E-09	3.18E-10	7.12E-09	1.43E-09	2.36E-09	7.84E-11	3.87E-09
2962	739521.43	4110462.94	1.75E-08	3.18E-08	1.75E-09	5.10E-08	2.71E-09	5.21E-09	2.62E-10	8.18E-09	2.63E-09	4.49E-09	3.33E-10	7.45E-09	1.50E-09	2.47E-09	8.20E-11	4.05E-09
2963	739514.04	4110421.1	1.82E-08	3.31E-08	1.82E-09	5.31E-08	2.82E-09	5.43E-09	2.73E-10	8.53E-09	2.74E-09	4.68E-09	3.47E-10	7.76E-09	1.56E-09	2.58E-09	8.55E-11	4.22E-09
2964	739506.65	4110379.26	1.88E-08	3.43E-08	1.88E-09	5.49E-08	2.92E-09	5.62E-09	2.82E-10	8.81E-09	2.83E-09	4.83E-09	3.58E-10	8.03E-09	1.61E-09	2.67E-09	8.83E-11	4.36E-09
2965	739499.26	4110337.41	1.92E-08	3.51E-08	1.93E-09	5.62E-08	2.98E-09	5.75E-09	2.89E-10	9.02E-09	2.90E-09	4.95E-09	3.67E-10	8.21E-09	1.65E-09	2.73E-09	9.04E-11	4.47E-09
2966	739491.87	4110295.57	1.95E-08	3.54E-08	1.95E-09	5.68E-08	3.02E-09	5.81E-09	2.92E-10	9.12E-09	2.93E-09	5.00E-09	3.71E-10	8.30E-09	1.67E-09	2.76E-09	9.14E-11	4.52E-09
2967	739484.48	4110253.73	1.94E-08	3.54E-08	1.94E-09	5.68E-08	3.01E-09	5.81E-09	2.92E-10	9.11E-09	2.93E-09	5.00E-09	3.70E-10	8.30E-09	1.67E-09	2.76E-09	9.13E-11	4.51E-09
2968	739477.1	4110211.89	1.92E-08	3.50E-08	1.92E-09	5.61E-08	2.98E-09	5.74E-09	2.88E-10	9.01E-09	2.90E-09	4.94E-09	3.66E-10	8.20E-09	1.65E-09	2.72E-09	9.03E-11	4.46E-09
2969	739469.71	4110170.05	1.88E-08	3.43E-08	1.88E-09	5.50E-08	2.92E-09	5.62E-09	2.82E-10	8.82E-09	2.84E-09	4.84E-09	3.59E-10	8.03E-09	1.61E-09	2.67E-09	8.84E-11	4.37E-09
2970	739462.32	4110128.21	1.83E-08	3.34E-08	1.83E-09	5.35E-08	2.84E-09	5.47E-09	2.75E-10	8.58E-09	2.76E-09	4.71E-09	3.49E-10	7.82E-09	1.57E-09	2.60E-09	8.61E-11	4.25E-09
2971	739454.93	4110086.37	1.77E-08	3.23E-08	1.77E-09	5.18E-08	2.75E-09	5.30E-09	2.66E-10	8.31E-09	2.67E-09	4.56E-09	3.38E-10	7.57E-09	1.52E-09	2.51E-09	8.33E-11	4.12E-09
2972	739447.54	4110044.53	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.66E-09	5.12E-09	2.57E-10	8.03E-09	2.58E-09	4.40E-09	3.26E-10	7.31E-09	1.47E-09	2.43E-09	8.05E-11	3.98E-09
2973	739440.15	4110002.69	1.65E-08	3.01E-08	1.65E-09	4.82E-08	2.56E-09	4.93E-09	2.48E-10	7.74E-09	2.49E-09	4.24E-09	3.15E-10	7.05E-09	1.41E-09	2.34E-09	7.76E-11	3.83E-09
2974	739432.77	4109960.84	1.59E-08	2.90E-08	1.59E-09	4.64E-08	2.46E-09	4.75E-09	2.38E-10	7.45E-09	2.40E-09	4.08E-09	3.03E-10	6.78E-09	1.36E-09	2.25E-09	7.47E-11	3.69E-09
2975	739425.38	4109919	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.17E-09	2.31E-09	3.93E-09	2.92E-10	6.53E-09	1.31E-09	2.17E-09	7.19E-11	3.55E-09
2976	739417.99	4109877.16	1.47E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.40E-09	2.21E-10	6.91E-09	2.22E-09	3.79E-09	2.81E-10	6.29E-09	1.26E-09	2.09E-09	6.93E-11	3.42E-09
2977	739410.6	4109835.32	1.42E-08	2.59E-08	1.42E-09	4.16E-08	2.21E-09	4.25E-09	2.14E-10	6.67E-09	2.15E-09	3.66E-09	2.71E-10	6.07E-09	1.22E-09	2.02E-09	6.69E-11	3.30E-09
2978	739403.21	4109793.48	1.38E-08	2.51E-08	1.38E-09	4.03E-08	2.14E-09	4.12E-09	2.07E-10	6.46E-09	2.08E-09	3.54E-09	2.63E-10	5.88E-09	1.18E-09	1.95E-09	6.48E-11	3.20E-09
2979	739395.82	4109751.64	1.34E-08	2.44E-08	1.34E-09	3.92E-08	2.08E-09	4.01E-09	2.01E-10	6.29E-09	2.02E-09	3.45E-09	2.56E-10	5.73E-09	1.15E-09	1.90E-09	6.30E-11	3.11E-09
2980	739388.44	4109709.8	1.31E-08	2.39E-08	1.31E-09	3.84E-08	2.04E-09	3.92E-09	1.97E-10	6.16E-09	1.98E-09	3.38E-09	2.50E-10	5.61E-09	1.12E-09	1.86E-09	6.17E-11	3.05E-09
2981	739381.05	4109667.96	1.29E-08	2.36E-08	1.29E-09	3.78E-08	2.01E-09	3.86E-09	1.94E-10	6.06E-09	1.95E-09	3.33E-09	2.47E-10	5.52E-09	1.11E-09	1.83E-09	6.08E-11	3.00E-09
2982	739373.66	4109626.12	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.83E-09	1.93E-10	6.01E-09	1.93E-09	3.30E-09	2.44E-10	5.48E-09	1.10E-09	1.82E-09	6.03E-11	2.98E-09
2983	739366.27	4109584.27	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.98E-09	3.82E-09	1.92E-10	6.00E-09	1.93E-09	3.29E-09	2.44E-10	5.46E-09	1.10E-09	1.81E-09	6.01E-11	2.97E-09
2984	739358.88	4109542.43	1.28E-08	2.34E-08	1.28E-09	3.74E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.29E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.98E-09
2985	739351.49	4109500.59	1.29E-08	2.34E-08	1.29E-09	3.76E-08	2.00E-09	3.84E-09	1.93E-10	6.03E-09	1.94E-09	3.31E-09	2.45E-10	5.49E-09	1.10E-09	1.82E-09	6.05E-11	2.99E-09
2986	739344.11	4109458.75	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.86E-09	1.94E-10	6.06E-09	1.95E-09	3.32E-09	2.46E-10	5.51E-09	1.11E-09	1.83E-09	6.07E-11	3.00E-09
2987	739336.72	4109416.91	1.29E-08	2.36E-08	1.30E-09	3.78E-08	2.01E-09	3.87E-09	1.94E-10	6.07E-09	1.95E-09	3.33E-09	2.47E-10	5.53E-09	1.11E-09	1.84E-09	6.08E-11	3.01E-09
2988	739329.33	4109375.07	1.29E-08	2.35E-08	1.29E-09	3.78E-08	2.00E-09	3.86E-09	1.94E-10	6.06E-09	1.95E-09	3.32E-09	2.46E-10	5.52E-09	1.11E-09	1.83E-09	6.07E-11	3.00E-09
2989	739334.08	4109315.79	1.29E-08	2.35E-08	1.29E-09	3.76E-08	2.00E-09	3.85E-09	1.93E-10	6.04E-09	1.94E-09	3.31E-09	2.45E-10	5.50E-09	1.10E-09	1.83E-09	6.05E-11	2.99E-09
2990	739358.36	4109280.93	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.85E-09	1.93E-10	6.04E-09	1.94E-09	3.31E-09	2.46E-10	5.50E-09	1.10E-09	1.83E-09	6.06E-11	2.99E-09
2991	739382.64	4109246.06	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.29E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.97E-09
2992	739406.92	4109211.19	1.26E-08	2.30E-08	1.26E-09	3.69E-08	1.96E-09	3.78E-09	1.90E-10	5.93E-09	1.91E-09	3.25E-09	2.41E-10	5.40E-09	1.08E-09	1.79E-09	5.94E-11	2.93E-09
2993	739431.2	4109176.33	1.24E-08	2.26E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.81E-09	1.87E-09	3.19E-09	2.36E-10	5.29E-09	1.06E-09	1.76E-09	5.82E-11	2.88E-09
2994	739455.48	4109141.46	1.21E-08	2.20E-08	1.21E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.65E-09	1.82E-09	3.10E-09	2.30E-10	5.15E-09	1.03E-09	1.71E-09	5.67E-11	2.80E-09
2995	739479.77	4109106.59	1.17E-08	2.13E-08	1.17E-09	3.41E-08	1.81E-09	3.48E-09	1.75E-10	5.47E-09	1.76E-09	3.00E-09	2.22E-10	4.98E-09	9.99E-10	1.65E-09	5.48E-11	2.71E-09
2996	739504.05	4109071.72	1.12E-08	2.05E-08	1.12E-09	3.28E-08	1.74E-09	3.35E-09	1.68E-10	5.26E-09	1.69E-09	2.89E-09	2.14E-10	4.79E-09	9.62E-10	1.59E-09	5.28E-11	2.61E-09
2997	739528.33	4109036.86	1.08E-08	1.96E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.05E-09	1.62E-09	2.77E-09	2.05E-10	4.60E-09	9.22E-10	1.53E-09	5.06E-11	2.50E-09
2998	739552.61	4109001.99	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.39E-09	8.82E-10	1.46E-09	4.84E-11	2.39E-09
2999	739576.89	4108967.12	9.84E-09	1.79E-08	9.84E-10	2.88E-08	1.53E-09	2.94E-09	1.48E-10	4.61E-09	1.48E-09	2.53E-09	1.87E-10	4.20E-09	8.43E-10	1.40E-09	4.62E-11	2.28E-09
3000	739601.17	4108932.26	9.42E-09	1.72E-08	9.42E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.07E-10	1.34E-09	4.43E-11	2.19E-09
3001	739625.45	4108897.39	9.04E-09	1.65E-08	9.04E-10	2.64E-08	1.40E-09	2.70E-09	1.36E-10	4.24E-09	1.36E-09	2.32E-09	1.72E-10	3.86E-09	7.74E-10	1.28E-09	4.25E-11	2.10E-09
3002	739649.73	4108862.52	8.70E-09	1.58E-08	8.70E-10	2.54E-08	1.35E-09	2.60E-09	1.31E-10	4.08E-09	1.31E-09	2.24E-09	1.66E-10	3.71E-09	7.45E-10	1.23E-09	4.09E-11	2.02E-09
3003	739674.01	4108827.66	8.39E-09	1.53E-08	8.40E-10	2.45E-08	1.30E-09	2.51E-09	1.26E-10	3.93E-09	1.27E-09	2.16E-09	1.60E-10	3.58E-09	7.19E-10	1.19E-09	3.94E-11	1.95E-09
3004	739698.29	4108792.79	8.11E-09	1.48E-08	8.12E-10	2.37E-08	1.26E-09	2.42E-09	1.22E-10	3.80E-09	1.22E-09	2.09E-09	1.55E-10	3.46E-09	6.95E-10	1.15E-09	3.81E-11	1.88E-09
3005	739722.57	4108757.92	7.84E-09	1.43E-08	7.85E-10	2.29E-08	1.22E-09	2.34E-09	1.18E-10	3.68E-09	1.18E-09	2.02E-09	1.49E-10	3.35E-09	6.72E-10	1.11E-09	3.69E-11	1.82E-09
3006	739746.85	4108723.05	7.57E-09	1.38E-08	7.58E-10	2.21E-08	1.17E-09	2.26E-09	1.14E-10	3.55E-09	1.14E-09	1.95E-09	1.44E-10	3.23E-09	6.49E-10	1.07E-09	3.56E-11	1.76E-09
3007	739771.13	4108688.19	7.30E-09	1.33E-08	7.30E-10	2.13E-08	1.13E-09	2.18E-09	1.10E-10	3.42E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.25E-10	1.03E-09	3.43E-11	1.69E-09
3008	739795.42	4108653.32	7.01E-09	1.28E-08	7.01E-10	2.05E-08	1.09E-09	2.09E-09	1.05E-10	3.29E-09	1.06E-09	1.80E-09	1.34E-10	2.99E-09	6.01E-10	9.94E-10	3.29E-11	1.63E-09
3009	739819.7	4108618.45	6.71E-09	1.22E-08	6.71E-10	1.96E-08	1.04E-09	2.00E-09	1.01E-10	3.15E-09	1.01E-09	1.72E-09	1.28E-10	2.86E-09	5.75E-10	9.51E-10	3.15E-11	1.56E-09
3010	739843.98	4108583.59	6.42E-09	1.17E-08	6.42E-10	1.87E-08	9.95E-10	1.92E-09	9.63E-11	3.01E-09	9.67E-10	1.65E-09	1.22E-10	2.74E-09	5.50E-10	9.10E-10	3.01E-11	1.49E-09
3011	739868.26	4108548.72	6.14E-09	1.12E-08	6.14E-10	1.79E-08	9.52E-10	1.83E-09	9.21E-11	2.88E-09	9.26E-10	1.58E-09	1.17E-10	2.62E-09	5.26E-10	8.70E-10	2.88E-11	1.43E-09
3012	739892.54	4108513.85	5.89E-09	1.07E-08	5.89E-10	1.72E-08	9.13E-10	1.76E-09	8.84E-11	2.76E-09	8.88E-10	1.51E-09	1.12E-10	2.51E-09	5.05E-10	8.35E-10	2.77E-11	1.37E-09
3013	739916.82	4108478.98	5.69E-09	1.04E-08	5.70E-10	1.66E-08	8.83E-10	1.70E-09	8.54E-11	2.67E-09	8.59E-10	1.46E-09	1.08E-10	2.43E-09	4.88E-10	8.07E-10	2.68E-11	1.32E-09
3014	739941.1	4108444.12	5.55E-09	1.01E-08	5.55E-10	1.62E-08	8.61E-10	1.66E-09	8.33E-11	2.60E-09	8.37E-10	1.43E-09	1.06E-10	2.37E-09	4.76E-10	7.87E-10	2.61E-11	1.29E-09
3015	739965.38	4108409.25	5.47E-09	9.96E-09	5.47E-10	1.60E-08	8.48E-10	1.63E-09	8.21E-11	2.56E-09	8.25E-10	1.41E-09	1.04E-10	2.33E-09	4.69E-10	7.75E-10	2.57E-11	1.27E-09
3016	739989.66	4108374.38	5.44E-09	9.92E-09	5.45E-10	1.59E-08	8.44E-10	1.63E-09	8.17E-11	2.55E-09	8.21E-10	1.40E-09	1.04E-10	2.32E-09	4.66E-10	7.72E-10	2.56E-11	1.26E-09
3017	740013.94	4108339.52	5.47E-09	9.96E-09	5.47E-10	1.60E-08	8.48E-10	1.63E-09	8.20E-11	2.56E-09	8.24E-10	1.41E-09	1.04E-10	2.33E-09	4.68E-10	7.75E-10	2.57E-11	1.27E-09
3018	740038.22	4108304.65	5.52E-09	1.01E-08	5.53E-10	1.61E-08	8.57E-10	1.65E-09	8.29E-11	2.59E-09	8.33E-10	1.42E-09	1.05E-10	2.36E-09	4.73E-10	7.83E-10	2.60E-11	1.28E-09
3019	740062.5	4108269.78	5.61E-09	1.02E-08	5.61E-10	1.64E-08	8.69E-10	1.67E-09	8.41E-11	2.63E-09	8.45E-10	1.44E-09	1.07E-10	2.39E-09	4.80E-10	7.95E-10	2.63E-11	1.30E-09
3020	740086.78	4108234.92	5.70E-09	1.04E-08	5.70E-10	1.66E-08	8.84E-10	1.70E-09	8.55E-11	2.67E-09	8.59E-10	1.46E-09	1.09E-10	2.43E-09	4.88E-10	8.08E-10	2.68E-11	1.32E-09
3021	740111.07	4108200.05	5.79E-09	1.05E-08	5.79E-10	1.69E-08	8.98E-10	1.73E-09	8.69E-11	2.71E-09	8.73E-10	1.49E-09	1.10E-10	2.47E-09	4.96E-10	8.21E-10	2.72E-11	1.34E-09
3022	740135.35	4108165.18	5.87E-09	1.07E-08	5.87E-10	1.72E-08	9.10E-10	1.75E-09	8.81E-11	2.75E-09	8.85E-10	1.51E-09	1.12E-10	2.51E-09	5.03E-10	8.32E-10	2.76E-11	1.36E-09

3023	740159.63	4108130.31	5.93E-09	1.08E-08	5.93E-10	1.73E-08	9.20E-10	1.77E-09	8.90E-11	2.78E-09	8.94E-10	1.52E-09	1.13E-10	2.53E-09	5.08E-10	8.41E-10	2.79E-11	1.38E-09
3024	740183.91	4108095.45	5.97E-09	1.09E-08	5.97E-10	1.74E-08	9.25E-10	1.78E-09	8.95E-11	2.80E-09	9.00E-10	1.53E-09	1.14E-10	2.55E-09	5.11E-10	8.46E-10	2.80E-11	1.39E-09
3025	740208.19	4108060.58	5.98E-09	1.09E-08	5.99E-10	1.75E-08	9.28E-10	1.79E-09	8.98E-11	2.81E-09	9.02E-10	1.54E-09	1.14E-10	2.55E-09	5.13E-10	8.48E-10	2.81E-11	1.39E-09
3026	740232.47	4108025.71	5.98E-09	1.09E-08	5.98E-10	1.75E-08	9.27E-10	1.79E-09	8.97E-11	2.80E-09	9.01E-10	1.54E-09	1.14E-10	2.55E-09	5.12E-10	8.48E-10	2.81E-11	1.39E-09
3027	740256.75	4107990.85	5.95E-09	1.08E-08	5.95E-10	1.74E-08	9.23E-10	1.78E-09	8.93E-11	2.79E-09	8.97E-10	1.53E-09	1.13E-10	2.54E-09	5.10E-10	8.44E-10	2.80E-11	1.38E-09
3028	740281.03	4107955.98	5.90E-09	1.08E-08	5.91E-10	1.73E-08	9.16E-10	1.76E-09	8.86E-11	2.77E-09	8.90E-10	1.52E-09	1.12E-10	2.52E-09	5.06E-10	8.37E-10	2.77E-11	1.37E-09
3029	740305.31	4107921.11	5.84E-09	1.06E-08	5.84E-10	1.71E-08	9.05E-10	1.74E-09	8.76E-11	2.74E-09	8.80E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.28E-10	2.74E-11	1.36E-09
3030	740329.59	4107886.25	5.75E-09	1.05E-08	5.75E-10	1.68E-08	8.91E-10	1.72E-09	8.63E-11	2.69E-09	8.67E-10	1.48E-09	1.10E-10	2.45E-09	4.92E-10	8.15E-10	2.70E-11	1.33E-09
3031	740353.87	4107851.38	5.64E-09	1.03E-08	5.64E-10	1.65E-08	8.74E-10	1.68E-09	8.46E-11	2.64E-09	8.50E-10	1.45E-09	1.07E-10	2.41E-09	4.83E-10	7.99E-10	2.65E-11	1.31E-09
3032	740378.15	4107816.51	5.50E-09	1.00E-08	5.51E-10	1.61E-08	8.54E-10	1.64E-09	8.26E-11	2.58E-09	8.30E-10	1.42E-09	1.05E-10	2.35E-09	4.72E-10	7.81E-10	2.59E-11	1.28E-09
3033	740402.44	4107781.64	5.35E-09	9.75E-09	5.35E-10	1.56E-08	8.30E-10	1.60E-09	8.03E-11	2.51E-09	8.07E-10	1.38E-09	1.02E-10	2.28E-09	4.59E-10	7.59E-10	2.51E-11	1.24E-09
3034	740426.72	4107746.78	5.18E-09	9.44E-09	5.18E-10	1.51E-08	8.03E-10	1.55E-09	7.77E-11	2.43E-09	7.81E-10	1.33E-09	9.87E-11	2.21E-09	4.44E-10	7.34E-10	2.43E-11	1.20E-09
3035	740451	4107711.91	5.00E-09	9.11E-09	5.00E-10	1.46E-08	7.76E-10	1.49E-09	7.51E-11	2.35E-09	7.54E-10	1.29E-09	9.53E-11	2.14E-09	4.29E-10	7.09E-10	2.35E-11	1.16E-09
3036	740475.28	4107677.04	4.82E-09	8.78E-09	4.82E-10	1.41E-08	7.47E-10	1.44E-09	7.23E-11	2.26E-09	7.26E-10	1.24E-09	9.18E-11	2.06E-09	4.13E-10	6.83E-10	2.26E-11	1.12E-09
3037	739691.72	4111380.52	1.32E-08	2.40E-08	1.32E-09	3.85E-08	2.04E-09	3.93E-09	1.98E-10	6.17E-09	1.99E-09	3.38E-09	2.51E-10	5.62E-09	1.13E-09	1.87E-09	6.19E-11	3.06E-09
3038	739714.6	4111416.51	1.32E-08	2.41E-08	1.33E-09	3.87E-08	2.05E-09	3.96E-09	1.99E-10	6.21E-09	2.00E-09	3.41E-09	2.52E-10	5.66E-09	1.14E-09	1.88E-09	6.23E-11	3.08E-09
3039	739339.01	4111556.14	1.07E-08	1.95E-08	1.07E-09	3.13E-08	1.66E-09	3.20E-09	1.61E-10	5.02E-09	1.61E-09	2.75E-09	2.04E-10	4.57E-09	9.18E-10	1.52E-09	5.03E-11	2.49E-09
3040	739331.6	4111514.16	1.08E-08	1.96E-08	1.08E-09	3.14E-08	1.67E-09	3.21E-09	1.61E-10	5.04E-09	1.62E-09	2.76E-09	2.05E-10	4.59E-09	9.21E-10	1.52E-09	5.05E-11	2.50E-09
3041	739324.19	4111472.18	1.08E-08	1.97E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.06E-09	1.63E-09	2.77E-09	2.06E-10	4.61E-09	9.24E-10	1.53E-09	5.07E-11	2.50E-09
3042	739316.78	4111430.2	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.68E-09	3.23E-09	1.62E-10	5.07E-09	1.63E-09	2.78E-09	2.06E-10	4.62E-09	9.26E-10	1.53E-09	5.08E-11	2.51E-09
3043	739309.36	4111388.22	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.68E-09	3.23E-09	1.62E-10	5.07E-09	1.63E-09	2.78E-09	2.06E-10	4.62E-09	9.27E-10	1.53E-09	5.09E-11	2.51E-09
3044	739301.95	4111346.24	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.68E-09	3.23E-09	1.62E-10	5.07E-09	1.63E-09	2.78E-09	2.06E-10	4.62E-09	9.27E-10	1.53E-09	5.09E-11	2.51E-09
3045	739294.54	4111304.26	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.68E-09	3.23E-09	1.62E-10	5.07E-09	1.63E-09	2.78E-09	2.06E-10	4.62E-09	9.27E-10	1.53E-09	5.08E-11	2.51E-09
3046	739287.12	4111262.28	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.68E-09	3.24E-09	1.63E-10	5.08E-09	1.63E-09	2.78E-09	2.06E-10	4.62E-09	9.28E-10	1.54E-09	5.09E-11	2.51E-09
3047	739279.71	4111220.3	1.09E-08	1.98E-08	1.09E-09	3.17E-08	1.68E-09	3.24E-09	1.63E-10	5.09E-09	1.64E-09	2.79E-09	2.07E-10	4.64E-09	9.31E-10	1.54E-09	5.10E-11	2.52E-09
3048	739272.3	4111178.32	1.09E-08	1.99E-08	1.09E-09	3.19E-08	1.69E-09	3.26E-09	1.64E-10	5.12E-09	1.65E-09	2.81E-09	2.08E-10	4.66E-09	9.35E-10	1.55E-09	5.13E-11	2.53E-09
3049	739264.88	4111136.33	1.10E-08	2.00E-08	1.10E-09	3.21E-08	1.71E-09	3.29E-09	1.65E-10	5.16E-09	1.66E-09	2.83E-09	2.10E-10	4.69E-09	9.42E-10	1.56E-09	5.17E-11	2.55E-09
3050	739257.47	4111094.35	1.11E-08	2.02E-08	1.11E-09	3.24E-08	1.72E-09	3.31E-09	1.66E-10	5.20E-09	1.67E-09	2.85E-09	2.11E-10	4.73E-09	9.50E-10	1.57E-09	5.21E-11	2.57E-09
3051	739250.06	4111052.37	1.12E-08	2.04E-08	1.12E-09	3.27E-08	1.73E-09	3.34E-09	1.68E-10	5.24E-09	1.69E-09	2.88E-09	2.13E-10	4.78E-09	9.58E-10	1.59E-09	5.26E-11	2.60E-09
3052	739242.65	4111010.39	1.13E-08	2.05E-08	1.13E-09	3.29E-08	1.75E-09	3.37E-09	1.69E-10	5.28E-09	1.70E-09	2.90E-09	2.15E-10	4.81E-09	9.66E-10	1.60E-09	5.30E-11	2.62E-09
3053	739235.23	4110968.41	1.13E-08	2.07E-08	1.13E-09	3.31E-08	1.76E-09	3.39E-09	1.70E-10	5.32E-09	1.71E-09	2.92E-09	2.16E-10	4.84E-09	9.72E-10	1.61E-09	5.33E-11	2.63E-09
3054	739227.82	4110926.43	1.14E-08	2.08E-08	1.14E-09	3.33E-08	1.77E-09	3.40E-09	1.71E-10	5.34E-09	1.72E-09	2.93E-09	2.17E-10	4.86E-09	9.76E-10	1.61E-09	5.35E-11	2.64E-09
3055	739220.41	4110884.45	1.14E-08	2.08E-08	1.14E-09	3.34E-08	1.77E-09	3.42E-09	1.72E-10	5.36E-09	1.72E-09	2.94E-09	2.18E-10	4.88E-09	9.80E-10	1.62E-09	5.37E-11	2.65E-09
3056	739212.99	4110842.47	1.15E-08	2.09E-08	1.15E-09	3.36E-08	1.78E-09	3.43E-09	1.73E-10	5.39E-09	1.73E-09	2.95E-09	2.19E-10	4.91E-09	9.85E-10	1.63E-09	5.40E-11	2.67E-09
3057	739205.58	4110800.49	1.16E-08	2.11E-08	1.16E-09	3.39E-08	1.80E-09	3.47E-09	1.74E-10	5.44E-09	1.75E-09	2.98E-09	2.21E-10	4.95E-09	9.94E-10	1.64E-09	5.45E-11	2.69E-09
3058	739198.17	4110758.51	1.18E-08	2.15E-08	1.18E-09	3.44E-08	1.83E-09	3.52E-09	1.77E-10	5.52E-09	1.78E-09	3.03E-09	2.24E-10	5.03E-09	1.01E-09	1.67E-09	5.53E-11	2.73E-09
3059	739190.75	4110716.53	1.20E-08	2.19E-08	1.21E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.65E-09	1.82E-09	3.10E-09	2.30E-10	5.14E-09	1.03E-09	1.71E-09	5.66E-11	2.80E-09
3060	739183.34	4110674.55	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.86E-10	5.82E-09	1.87E-09	3.19E-09	2.37E-10	5.30E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
3061	739175.93	4110632.57	1.29E-08	2.35E-08	1.29E-09	3.76E-08	2.00E-09	3.85E-09	1.93E-10	6.04E-09	1.94E-09	3.31E-09	2.45E-10	5.50E-09	1.10E-09	1.83E-09	6.05E-11	2.99E-09
3062	739168.52	4110590.59	1.34E-08	2.44E-08	1.34E-09	3.92E-08	2.08E-09	4.00E-09	2.01E-10	6.28E-09	2.02E-09	3.45E-09	2.55E-10	5.72E-09	1.15E-09	1.90E-09	6.30E-11	3.11E-09
3063	739161.1	4110548.6	1.40E-08	2.55E-08	1.40E-09	4.08E-08	2.17E-09	4.18E-09	2.10E-10	6.55E-09	2.11E-09	3.59E-09	2.66E-10	5.97E-09	1.20E-09	1.98E-09	6.57E-11	3.25E-09
3064	739153.69	4110506.62	1.45E-08	2.65E-08	1.46E-09	4.25E-08	2.26E-09	4.35E-09	2.18E-10	6.82E-09	2.19E-09	3.74E-09	2.77E-10	6.21E-09	1.25E-09	2.06E-09	6.84E-11	3.38E-09
3065	739146.28	4110464.64	1.51E-08	2.75E-08	1.51E-09	4.41E-08	2.34E-09	4.50E-09	2.26E-10	7.07E-09	2.27E-09	3.88E-09	2.87E-10	6.44E-09	1.29E-09	2.14E-09	7.09E-11	3.50E-09
3066	739138.86	4110422.66	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.40E-09	4.63E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.95E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
3067	739131.45	4110380.68	1.58E-08	2.88E-08	1.58E-09	4.62E-08	2.45E-09	4.72E-09	2.37E-10	7.41E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.67E-09
3068	739124.04	4110338.7	1.59E-08	2.90E-08	1.59E-09	4.66E-08	2.47E-09	4.76E-09	2.39E-10	7.47E-09	2.40E-09	4.10E-09	3.04E-10	6.81E-09	1.37E-09	2.26E-09	7.49E-11	3.70E-09
3069	739116.62	4110296.72	1.59E-08	2.90E-08	1.59E-09	4.65E-08	2.47E-09	4.75E-09	2.39E-10	7.46E-09	2.40E-09	4.09E-09	3.03E-10	6.79E-09	1.36E-09	2.26E-09	7.48E-11	3.69E-09
3070	739109.21	4110254.74	1.57E-08	2.87E-08	1.57E-09	4.60E-08	2.44E-09	4.70E-09	2.36E-10	7.38E-09	2.37E-09	4.05E-09	3.00E-10	6.72E-09	1.35E-09	2.23E-09	7.40E-11	3.65E-09
3071	739101.8	4110212.76	1.55E-08	2.82E-08	1.55E-09	4.52E-08	2.40E-09	4.62E-09	2.32E-10	7.25E-09	2.33E-09	3.97E-09	2.94E-10	6.60E-09	1.32E-09	2.19E-09	7.26E-11	3.59E-09
3072	739094.39	4110170.78	1.51E-08	2.75E-08	1.51E-09	4.41E-08	2.34E-09	4.51E-09	2.26E-10	7.07E-09	2.27E-09	3.88E-09	2.87E-10	6.44E-09	1.29E-09	2.14E-09	7.09E-11	3.50E-09
3073	739086.97	4110128.8	1.47E-08	2.67E-08	1.47E-09	4.28E-08	2.27E-09	4.38E-09	2.20E-10	6.87E-09	2.21E-09	3.77E-09	2.79E-10	6.26E-09	1.26E-09	2.08E-09	6.89E-11	3.40E-09
3074	739079.56	4110086.82	1.42E-08	2.59E-08	1.42E-09	4.15E-08	2.20E-09	4.25E-09	2.13E-10	6.66E-09	2.14E-09	3.65E-09	2.71E-10	6.07E-09	1.22E-09	2.01E-09	6.68E-11	3.30E-09
3075	739072.15	4110044.84	1.38E-08	2.51E-08	1.38E-09	4.02E-08	2.13E-09	4.11E-09	2.07E-10	6.45E-09	2.08E-09	3.54E-09	2.62E-10	5.88E-09	1.18E-09	1.95E-09	6.47E-11	3.20E-09
3076	739064.73	4110002.85	1.33E-08	2.43E-08	1.33E-09	3.89E-08	2.07E-09	3.98E-09	2.00E-10	6.24E-09	2.01E-09	3.42E-09	2.54E-10	5.69E-09	1.14E-09	1.89E-09	6.26E-11	3.09E-09
3077	739057.32	4109960.87	1.29E-08	2.35E-08	1.29E-09	3.76E-08	2.00E-09	3.85E-09	1.93E-10	6.04E-09	1.94E-09	3.31E-09	2.45E-10	5.50E-09	1.10E-09	1.83E-09	6.05E-11	2.99E-09
3078	739049.91	4109918.89	1.25E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.84E-09	1.88E-09	3.20E-09	2.37E-10	5.32E-09	1.07E-09	1.77E-09	5.85E-11	2.89E-09
3079	739042.5	4109876.91	1.20E-08	2.19E-08	1.20E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.65E-09	1.82E-09	3.10E-09	2.29E-10	5.14E-09	1.03E-09	1.71E-09	5.66E-11	2.80E-09
3080	739035.08	4109834.93	1.17E-08	2.12E-08	1.17E-09	3.41E-08	1.81E-09	3.48E-09	1.75E-10	5.47E-09	1.76E-09	3.00E-09	2.22E-10	4.98E-09	9.99E-10	1.65E-09	5.48E-11	2.71E-09
3081	739027.67	4109792.95	1.13E-08	2.06E-08	1.13E-09	3.31E-08	1.75E-09	3.38E-09	1.70E-10	5.30E-09	1.71E-09	2.91E-09	2.16E-10	4.83E-09	9.69E-10	1.60E-09	5.32E-11	2.63E-09
3082	739020.26	4109750.97	1.10E-08	2.01E-08	1.10E-09	3.22E-08	1.71E-09	3.29E-09	1.65E-10	5.16E-09	1.66E-09	2.83E-09	2.10E-10	4.70E-09	9.43E-10	1.56E-09	5.17E-11	2.56E-09
3083	739012.84	4109708.99	1.08E-08	1.96E-08	1.08E-09	3.14E-08	1.67E-09	3.21E-09	1.62E-10	5.04E-09	1.62E-09	2.77E-09	2.05E-10	4.59E-09	9.22E-10	1.53E-09	5.06E-11	2.50E-09
3084	739005.43	4109667.01	1.06E-08	1.93E-08	1.06E-09	3.09E-08	1.64E-09	3.16E-09	1.59E-10	4.95E-09	1.59E-09	2.72E-09	2.01E-10	4.51E-09	9.06E-10	1.50E-09	4.97E-11	2.45E-09
3085	738998.02	4109625.03	1.04E-08	1.90E-08	1.04E-09	3.05E-08	1.62E-09	3.12E-09	1.57E-10	4.89E-09	1.57E-09	2.68E-09	1.99E-10	4.45E-09	8.94E-10	1.48E-09	4.90E-11	2.42E-09
3086	738990.6	4109583.05	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.09E-09	1.55E-10	4.85E-09	1.56E-09	2.66E-09	1.97E-10	4.42E-09	8.87E-10	1.47E-09	4.87E-11	2.40E-09
3087	738983.19	4109541.07	1.03E-08	1.88E-08	1.03E-09	3.02E-08	1.60E-09	3.08E-09	1.55E-10	4.84E-09	1.56E-09	2.65E-09	1.97E-10	4.41E-09	8.85E-10	1.46E-09	4.85E-11	2.40E-09
3088	738975.78	4109499.09	1.03E-08	1.88E-08	1.03E-09	3.02E-08	1.60E-09	3.09E-09	1.55E-10	4.85E-09	1.56E-09	2.66E-09	1.97E-10	4.42E-09	8.86E-10	1.47E-09	4.86E-11	2.40E-09
3089	738968.37	4109457.11	1.04E-08	1.89E-08	1.04E-09	3.04E-08	1.61E-09	3.10E-09	1.56E-10	4.87E-09	1.57E-09	2.67E-09	1.98E-10	4.44E-09	8.90E-10	1.47E-09	4.88E-11	2.41E-09
3090	738960.95	4109415.12	1.05E-08	1.90E-08	1.05E-09	3.05E-08	1.62E-09	3.12E-09	1.57E-10	4.90E-09	1.58E-09	2.69E-09	1.99E-10	4.46E-09	8.95E-10	1.48E-09	4.91E-11	2.43E-09
3091	738953.54	4109373.14	1.05E-08	1.91E-08	1.05E-09	3.07E-08	1.63E-09	3.14E-09	1.58E-10	4.93E-09	1.58E-09	2.70E-09	2.00E-10	4.49E-09	9.00E-10	1.49E-09	4.94E-11	2.44E-09
3092	738946.13	4109331.16	1.05E-08	1.92E-08	1.06E-09	3.08E-08	1.64E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.03E-10	1.49E-09	4.96E-11	2.45E-09
3093	738938.71	4109289.18	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.03E-10	1.49E-09	4.95E-11	2.45E-09
3094	738943.48	4109229.71	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.02E-10	1.49E-09	4.95E-11	2.45E-09
3095	738967.84	4109194.73	1.06E-08	1.93E-08	1.06E-09	3.09E-08	1.64E-09	3.16E-09	1.59E-10	4.95E-09	1.59E-09	2.72E-09	2.01E-10	4.51E-09	9.06E-10	1.50E-09	4.97E-11	2.45E-09
3096	738992.2	4109159.74	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.03E-10	1.49E-09	4.95E-11	2.45E-09
3097	739016.57	4109124.76	1.04E-08	1.90E-08	1.05E-09	3.05E-08	1.62E-09	3.12E-09	1.57E-10	4.90E-09	1.58E-09	2.69E-09	1.99E-10	4.46E-09	8.95E-10	1.48E-09	4.91E-11	2.43E-09
3098	739040.93	4109089.78	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.40E-09	8.82E-10	1.46E-09	4.84E-11	2.39E-09
3099	739065.29	4109054.79	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.56E-09	3.01E-09	1.51E-10	4.73E-09	1.52E-09	2.59E-09	1.92E-10	4.31E-09	8.65E-10	1.43E-09	4.74E-11	2.34E-09
3100	739089.65	4109019.81	9.84E-09	1.79E-08	9.84E-10	2.87E-08	1.53E-09	2.94E-09	1.48E-10	4.61E-09	1.48E-09	2.53E-09	1.87E-10	4.20E-09	8.43E-10	1.39E-09	4.62E-11	2.28E-09
3101	739114.01	4108984.83	9.54E-09	1.74E-08	9.55E-10	2.79E-08	1.48E-09	2.85E-09	1.43E-10	4.47E-09	1.44E-09	2.45E-09	1.82E-10	4.07E-09	8.18E-10	1.35E-09	4.48E-11	2.22E-09
3102	739138.38	4108949.84	9.22E-09	1.68E-08	9.22E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.32E-09	1.39E-09	2.37E-09	1.76E-10	3.94E-09	7.90E-10	1.31E-09	4.33E-11	2.14E-09
3103	739162.74	4108914.86	8.87E-09	1.62E-08	8.88E-10	2.59E-08	1.38E-09	2.65E-09	1.33E-10	4.16E-09	1.34E-09	2.28E-09	1.69E-10	3.79E-09	7.60E-10	1.26E-09	4.17E-11	2.06E-09
3104	739187.1	4108879.88	8.52E-09	1.55E-08	8.53E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.19E-09	1.62E-10	3.64E-09	7.30E-10	1.21E-09	4.00E-11	1.98E-09
3105	739211.46	4108844.89	8.17E-09	1.49E-08	8.18E-10	2.39E-08	1.27E-09	2.44E-09	1.23E-10	3.83E-09	1.23E-09	2.10E-09	1.56E-10	3.49E-09	7.00E-10	1.16E-09	3.84E-11	1.90E-09
3106	739235.82	4108809.91	7.84E-09	1.43E-08	7.84E-10	2.29E-08	1.22E-09	2.34E-09	1.18E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.35E-09	6.72E-10	1.11E-09	3.68E-11	1.82E-09
3107	739260.18	4108774.93	7.53E-09	1.37E-08	7.53E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.14E-09	1.94E-09	1.43E-10	3.21E-09	6.45E-10	1.07E-09	3.54E-11	1.75E-09
3108	739284.55	4108739.94	7.26E-09	1.32E-08	7.26E-10	2.12E-08	1.13E-09	2.17E-09	1.09E-10	3.40E-09	1.09E-09	1.87E-09	1.38E-10	3.10E-09	6.22E-10	1.03E-09	3.41E-11	1.68E-09
3109	739308.91	4108704.96	7.02E-09	1.28E-08	7.02E-10	2.05E-08	1.09E-09	2.10E-09	1.05E-10	3.29E-09	1.06E-09	1.80E-09	1.34E-10	2.99E-09	6.01E-10	9.95E-10	3.30E-11	1.63E-09
3110	739333.27	4108669.98	6.81E-09	1.24E-08	6.81E-10	1.99E-08	1.06E-09	2.03E-09	1.02E-10	3.19E-09	1.03E-09	1.75E-09	1.30E-10	2.91E-09	5.83E-10	9.65E-10	3.20E-11	1.58E-09
3111	739357.63	4108634.99	6.62E-09	1.21E-08	6.62E-10	1.93E-08	1.03E-09	1.98E-09	9.94E-11	3.10E-09	9.98E-10	1.70E-09	1.26E-10	2.83E-09	5.67E-10	9.39E-10	3.11E-11	1.54E-09

3112	739381.99	4108600.01	6.44E-09	1.17E-08	6.45E-10	1.88E-08	9.99E-10	1.92E-09	9.67E-11	3.02E-09	9.72E-10	1.66E-09	1.23E-10	2.75E-09	5.52E-10	9.14E-10	3.03E-11	1.50E-09
3113	739406.36	4108565.03	6.27E-09	1.14E-08	6.27E-10	1.83E-08	9.72E-10	1.87E-09	9.41E-11	2.94E-09	9.45E-10	1.61E-09	1.19E-10	2.68E-09	5.37E-10	8.89E-10	2.95E-11	1.46E-09
3114	739430.72	4108530.04	6.08E-09	1.11E-08	6.09E-10	1.78E-08	9.43E-10	1.82E-09	9.13E-11	2.85E-09	9.17E-10	1.56E-09	1.16E-10	2.60E-09	5.21E-10	8.63E-10	2.86E-11	1.41E-09
3115	739455.08	4108495.06	5.89E-09	1.07E-08	5.89E-10	1.72E-08	9.13E-10	1.76E-09	8.84E-11	2.76E-09	8.88E-10	1.51E-09	1.12E-10	2.51E-09	5.05E-10	8.35E-10	2.77E-11	1.37E-09
3116	739479.44	4108460.08	5.68E-09	1.04E-08	5.68E-10	1.66E-08	8.81E-10	1.70E-09	8.53E-11	2.66E-09	8.57E-10	1.46E-09	1.08E-10	2.43E-09	4.87E-10	8.05E-10	2.67E-11	1.32E-09
3117	739503.8	4108425.09	5.46E-09	9.95E-09	5.46E-10	1.60E-08	8.47E-10	1.63E-09	8.19E-11	2.56E-09	8.23E-10	1.40E-09	1.04E-10	2.33E-09	4.68E-10	7.74E-10	2.57E-11	1.27E-09
3118	739528.16	4108390.11	5.24E-09	9.54E-09	5.24E-10	1.53E-08	8.12E-10	1.56E-09	7.86E-11	2.45E-09	7.90E-10	1.35E-09	9.98E-11	2.24E-09	4.49E-10	7.42E-10	2.46E-11	1.22E-09
3119	739552.53	4108355.13	5.02E-09	9.14E-09	5.02E-10	1.47E-08	7.78E-10	1.50E-09	7.53E-11	2.35E-09	7.57E-10	1.29E-09	9.56E-11	2.14E-09	4.30E-10	7.11E-10	2.36E-11	1.16E-09
3120	739576.89	4108320.14	4.82E-09	8.78E-09	4.82E-10	1.41E-08	7.47E-10	1.44E-09	7.23E-11	2.26E-09	7.27E-10	1.24E-09	9.18E-11	2.06E-09	4.13E-10	6.83E-10	2.26E-11	1.12E-09
3121	739601.25	4108285.16	4.65E-09	8.47E-09	4.65E-10	1.36E-08	7.21E-10	1.39E-09	6.97E-11	2.18E-09	7.01E-10	1.19E-09	8.85E-11	1.98E-09	3.98E-10	6.59E-10	2.18E-11	1.08E-09
3122	739625.61	4108250.18	4.51E-09	8.22E-09	4.51E-10	1.32E-08	7.00E-10	1.35E-09	6.77E-11	2.12E-09	6.80E-10	1.16E-09	8.60E-11	1.93E-09	3.87E-10	6.40E-10	2.12E-11	1.05E-09
3123	739649.97	4108215.19	4.42E-09	8.05E-09	4.42E-10	1.29E-08	6.85E-10	1.32E-09	6.63E-11	2.07E-09	6.66E-10	1.14E-09	8.42E-11	1.89E-09	3.79E-10	6.27E-10	2.08E-11	1.03E-09
3124	739674.34	4108180.21	4.37E-09	7.96E-09	4.37E-10	1.28E-08	6.78E-10	1.31E-09	6.56E-11	2.05E-09	6.59E-10	1.12E-09	8.33E-11	1.87E-09	3.74E-10	6.19E-10	2.05E-11	1.01E-09
3125	739698.7	4108145.23	4.36E-09	7.95E-09	4.36E-10	1.27E-08	6.76E-10	1.30E-09	6.54E-11	2.04E-09	6.58E-10	1.12E-09	8.31E-11	1.86E-09	3.74E-10	6.18E-10	2.05E-11	1.01E-09
3126	739723.06	4108110.24	4.39E-09	7.99E-09	4.39E-10	1.28E-08	6.80E-10	1.31E-09	6.58E-11	2.06E-09	6.61E-10	1.13E-09	8.36E-11	1.87E-09	3.76E-10	6.22E-10	2.06E-11	1.02E-09
3127	739747.42	4108075.26	4.44E-09	8.09E-09	4.44E-10	1.30E-08	6.88E-10	1.33E-09	6.66E-11	2.08E-09	6.69E-10	1.14E-09	8.46E-11	1.89E-09	3.80E-10	6.29E-10	2.09E-11	1.03E-09
3128	739771.78	4108040.28	4.51E-09	8.21E-09	4.51E-10	1.32E-08	6.99E-10	1.35E-09	6.77E-11	2.11E-09	6.80E-10	1.16E-09	8.59E-11	1.92E-09	3.86E-10	6.39E-10	2.12E-11	1.05E-09
3129	739796.14	4108005.29	4.59E-09	8.36E-09	4.59E-10	1.34E-08	7.11E-10	1.37E-09	6.88E-11	2.15E-09	6.92E-10	1.18E-09	8.74E-11	1.96E-09	3.93E-10	6.50E-10	2.16E-11	1.06E-09
3130	739820.51	4107970.31	4.66E-09	8.50E-09	4.67E-10	1.36E-08	7.23E-10	1.39E-09	7.00E-11	2.19E-09	7.03E-10	1.20E-09	8.89E-11	1.99E-09	4.00E-10	6.61E-10	2.19E-11	1.08E-09
3131	739844.87	4107935.32	4.73E-09	8.62E-09	4.73E-10	1.38E-08	7.34E-10	1.41E-09	7.10E-11	2.22E-09	7.13E-10	1.22E-09	9.02E-11	2.02E-09	4.05E-10	6.71E-10	2.22E-11	1.10E-09
3132	739869.23	4107900.34	4.79E-09	8.72E-09	4.79E-10	1.40E-08	7.42E-10	1.43E-09	7.19E-11	2.24E-09	7.22E-10	1.23E-09	9.12E-11	2.04E-09	4.10E-10	6.79E-10	2.25E-11	1.11E-09
3133	739893.59	4107865.36	4.83E-09	8.80E-09	4.83E-10	1.41E-08	7.49E-10	1.44E-09	7.25E-11	2.26E-09	7.28E-10	1.24E-09	9.20E-11	2.06E-09	4.14E-10	6.85E-10	2.27E-11	1.12E-09
3134	739917.95	4107830.37	4.85E-09	8.85E-09	4.86E-10	1.42E-08	7.53E-10	1.45E-09	7.29E-11	2.28E-09	7.32E-10	1.25E-09	9.25E-11	2.07E-09	4.16E-10	6.88E-10	2.28E-11	1.13E-09
3135	739942.32	4107795.39	4.87E-09	8.87E-09	4.87E-10	1.42E-08	7.55E-10	1.45E-09	7.30E-11	2.28E-09	7.34E-10	1.25E-09	9.27E-11	2.08E-09	4.17E-10	6.90E-10	2.29E-11	1.13E-09
3136	739966.68	4107760.41	4.86E-09	8.86E-09	4.87E-10	1.42E-08	7.54E-10	1.45E-09	7.30E-11	2.28E-09	7.33E-10	1.25E-09	9.27E-11	2.08E-09	4.17E-10	6.90E-10	2.29E-11	1.13E-09
3137	739991.04	4107725.42	4.85E-09	8.83E-09	4.85E-10	1.42E-08	7.52E-10	1.45E-09	7.28E-11	2.27E-09	7.31E-10	1.25E-09	9.24E-11	2.07E-09	4.15E-10	6.87E-10	2.28E-11	1.13E-09
3138	740015.4	4107690.44	4.82E-09	8.79E-09	4.82E-10	1.41E-08	7.48E-10	1.44E-09	7.24E-11	2.26E-09	7.27E-10	1.24E-09	9.19E-11	2.06E-09	4.13E-10	6.84E-10	2.27E-11	1.12E-09
3139	740039.76	4107655.46	4.79E-09	8.72E-09	4.79E-10	1.40E-08	7.42E-10	1.43E-09	7.19E-11	2.24E-09	7.22E-10	1.23E-09	9.12E-11	2.04E-09	4.10E-10	6.79E-10	2.25E-11	1.11E-09
3140	740064.12	4107620.47	4.74E-09	8.64E-09	4.74E-10	1.39E-08	7.35E-10	1.42E-09	7.12E-11	2.22E-09	7.15E-10	1.22E-09	9.04E-11	2.02E-09	4.06E-10	6.72E-10	2.23E-11	1.10E-09
3141	740088.49	4107585.49	4.68E-09	8.53E-09	4.69E-10	1.37E-08	7.26E-10	1.40E-09	7.03E-11	2.20E-09	7.06E-10	1.20E-09	8.92E-11	2.00E-09	4.01E-10	6.64E-10	2.20E-11	1.09E-09
3142	740112.85	4107550.51	4.61E-09	8.40E-09	4.61E-10	1.35E-08	7.15E-10	1.38E-09	6.92E-11	2.16E-09	6.95E-10	1.19E-09	8.78E-11	1.97E-09	3.95E-10	6.54E-10	2.17E-11	1.07E-09
3143	740137.21	4107515.52	4.52E-09	8.24E-09	4.53E-10	1.32E-08	7.01E-10	1.35E-09	6.79E-11	2.12E-09	6.82E-10	1.16E-09	8.62E-11	1.93E-09	3.88E-10	6.41E-10	2.13E-11	1.05E-09
3144	740161.57	4107480.54	4.42E-09	8.06E-09	4.43E-10	1.29E-08	6.86E-10	1.32E-09	6.64E-11	2.07E-09	6.67E-10	1.14E-09	8.43E-11	1.89E-09	3.79E-10	6.27E-10	2.08E-11	1.03E-09
3145	740185.93	4107445.56	4.31E-09	7.85E-09	4.31E-10	1.26E-08	6.68E-10	1.29E-09	6.46E-11	2.02E-09	6.49E-10	1.11E-09	8.21E-11	1.84E-09	3.69E-10	6.11E-10	2.02E-11	1.00E-09
3146	740210.29	4107410.57	4.18E-09	7.62E-09	4.18E-10	1.22E-08	6.48E-10	1.25E-09	6.27E-11	1.96E-09	6.30E-10	1.07E-09	7.97E-11	1.78E-09	3.58E-10	5.93E-10	1.96E-11	9.71E-10
3147	740234.66	4107375.59	4.04E-09	7.37E-09	4.05E-10	1.18E-08	6.27E-10	1.21E-09	6.07E-11	1.90E-09	6.10E-10	1.04E-09	7.71E-11	1.73E-09	3.47E-10	5.73E-10	1.90E-11	9.39E-10
3148	740259.02	4107340.61	3.91E-09	7.12E-09	3.91E-10	1.14E-08	6.06E-10	1.17E-09	5.86E-11	1.83E-09	5.89E-10	1.00E-09	7.44E-11	1.67E-09	3.35E-10	5.54E-10	1.84E-11	9.07E-10
3149	739354.16	4111595.13	1.07E-08	1.95E-08	1.07E-09	3.13E-08	1.66E-09	3.20E-09	1.61E-10	5.02E-09	1.62E-09	2.75E-09	2.04E-10	4.57E-09	9.18E-10	1.52E-09	5.03E-11	2.49E-09
3150	739377.05	4111631.12	1.08E-08	1.96E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.05E-09	1.62E-09	2.77E-09	2.05E-10	4.60E-09	9.23E-10	1.53E-09	5.06E-11	2.50E-09
3151	741983.3	4109969.55	3.93E-06	7.15E-06	3.93E-07	1.15E-05	6.09E-07	1.17E-06	5.89E-08	1.84E-06	5.92E-07	1.01E-06	7.48E-08	1.68E-06	3.36E-07	5.57E-07	1.84E-08	9.11E-07
3152	741969.79	4109948.52	3.52E-06	6.41E-06	3.52E-07	1.03E-05	5.46E-07	1.05E-06	5.28E-08	1.65E-06	5.31E-07	9.05E-07	6.71E-08	1.50E-06	3.02E-07	4.99E-07	1.65E-08	8.17E-07
3153	741956.96	4109930.17	2.81E-06	5.12E-06	2.81E-07	8.21E-06	4.36E-07	8.40E-07	4.22E-08	1.32E-06	4.24E-07	7.22E-07	5.36E-08	1.20E-06	2.41E-07	3.98E-07	1.32E-08	6.52E-07
3154	741881.9	4109826.95	3.96E-07	7.21E-07	3.96E-08	1.16E-06	6.14E-08	1.18E-07	5.94E-09	1.86E-07	5.97E-08	1.02E-07	7.54E-09	1.69E-07	3.39E-08	5.61E-08	1.86E-09	9.19E-08
3155	741854.89	4109784.88	2.57E-07	4.69E-07	2.58E-08	7.52E-07	3.99E-08	7.69E-08	3.86E-09	1.21E-07	3.88E-08	6.62E-08	4.90E-09	1.10E-07	2.21E-08	3.65E-08	1.21E-09	5.98E-08
3156	741827.87	4109742.8	1.83E-07	3.33E-07	1.83E-08	5.34E-07	2.84E-08	5.46E-08	2.74E-09	8.57E-08	2.76E-08	4.70E-08	3.48E-09	7.81E-08	1.57E-08	2.59E-08	8.59E-10	4.25E-08
3157	741798.74	4109761.51	1.90E-07	3.47E-07	1.91E-08	5.57E-07	2.95E-08	5.69E-08	2.86E-09	8.93E-08	2.87E-08	4.90E-08	3.63E-09	8.13E-08	1.63E-08	2.70E-08	8.95E-10	4.42E-08
3158	741773.84	4109658.66	1.09E-07	1.99E-07	1.09E-08	3.18E-07	1.69E-08	3.26E-08	1.64E-09	5.11E-08	1.64E-08	2.80E-08	2.08E-09	4.65E-08	9.34E-09	1.54E-08	5.12E-10	2.53E-08
3159	741744.71	4109677.36	1.12E-07	2.03E-07	1.12E-08	3.26E-07	1.73E-08	3.33E-08	1.67E-09	5.23E-08	1.68E-08	2.87E-08	2.13E-09	4.76E-08	9.56E-09	1.58E-08	5.24E-10	2.59E-08
3160	741719.81	4109574.51	7.42E-08	1.35E-07	7.43E-09	2.17E-07	1.15E-08	2.22E-08	1.11E-09	3.48E-08	1.12E-08	1.91E-08	1.41E-09	3.17E-08	6.36E-09	1.05E-08	3.49E-10	1.72E-08
3161	741690.68	4109593.22	7.54E-08	1.37E-07	7.54E-09	2.20E-07	1.17E-08	2.25E-08	1.13E-09	3.53E-08	1.14E-08	1.94E-08	1.44E-09	3.22E-08	6.46E-09	1.07E-08	3.54E-10	1.75E-08
3162	741665.78	4109490.36	5.48E-08	9.98E-08	5.48E-09	1.60E-07	8.49E-09	1.64E-08	8.22E-10	2.57E-08	8.26E-09	1.41E-08	1.04E-09	2.34E-08	4.69E-09	7.76E-09	2.57E-10	1.27E-08
3163	741636.64	4109509.07	5.55E-08	1.01E-07	5.55E-09	1.62E-07	8.61E-09	1.66E-08	8.33E-10	2.60E-08	8.37E-09	1.43E-08	1.06E-09	2.37E-08	4.76E-09	7.87E-09	2.61E-10	1.29E-08
3164	741611.75	4109406.22	4.25E-08	7.75E-08	4.26E-09	1.24E-07	6.60E-09	1.27E-08	6.39E-10	1.99E-08	6.42E-09	1.09E-08	8.11E-10	1.82E-08	3.65E-09	6.03E-09	2.00E-10	9.88E-09
3165	741582.61	4109424.92	4.31E-08	7.86E-08	4.31E-09	1.26E-07	6.69E-09	1.29E-08	6.47E-10	2.02E-08	6.50E-09	1.11E-08	8.22E-10	1.84E-08	3.69E-09	6.11E-09	2.03E-10	1.00E-08
3166	741518.25	4109228.57	2.81E-08	5.13E-08	2.82E-09	8.22E-08	4.36E-09	8.41E-09	4.22E-10	1.32E-08	4.24E-09	7.23E-09	5.36E-10	1.20E-08	2.41E-09	3.99E-09	1.32E-10	6.53E-09
3167	741489.12	4109247.28	2.87E-08	5.22E-08	2.87E-09	8.38E-08	4.45E-09	8.57E-09	4.30E-10	1.34E-08	4.32E-09	7.37E-09	5.46E-10	1.22E-08	2.46E-09	4.07E-09	1.35E-10	6.66E-09
3168	741410.19	4109060.28	2.04E-08	3.72E-08	2.04E-09	5.96E-08	3.16E-09	6.10E-09	3.06E-10	9.57E-09	3.08E-09	5.24E-09	3.89E-10	8.71E-09	1.75E-09	2.89E-09	9.59E-11	4.74E-09
3169	741381.06	4109078.98	2.08E-08	3.80E-08	2.09E-09	6.09E-08	3.23E-09	6.23E-09	3.13E-10	9.77E-09	3.14E-09	5.36E-09	3.97E-10	8.90E-09	1.79E-09	2.96E-09	9.80E-11	4.84E-09
3170	741302.13	4108891.98	1.56E-08	2.84E-08	1.56E-09	4.56E-08	2.42E-09	4.66E-09	2.34E-10	7.31E-09	2.35E-09	4.01E-09	2.97E-10	6.66E-09	1.34E-09	2.21E-09	7.33E-11	3.62E-09
3171	741272.99	4108910.69	1.60E-08	2.91E-08	1.60E-09	4.67E-08	2.48E-09	4.77E-09	2.40E-10	7.49E-09	2.41E-09	4.11E-09	3.04E-10	6.82E-09	1.37E-09	2.27E-09	7.51E-11	3.71E-09
3172	741194.07	4108723.69	1.24E-08	2.26E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.81E-09	1.87E-09	3.19E-09	2.36E-10	5.29E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
3173	741164.93	4108742.4	1.27E-08	2.32E-08	1.27E-09	3.72E-08	1.97E-09	3.80E-09	1.91E-10	5.96E-09	1.92E-09	3.27E-09	2.42E-10	5.43E-09	1.09E-09	1.80E-09	5.97E-11	2.95E-09
3174	740977.94	4108387.1	8.48E-09	1.54E-08	8.48E-10	2.48E-08	1.31E-09	2.53E-09	1.27E-10	3.97E-09	1.28E-09	2.18E-09	1.62E-10	3.62E-09	7.26E-10	1.20E-09	3.98E-11	1.97E-09
3175	740948.81	4108405.81	8.70E-09	1.59E-08	8.71E-10	2.54E-08	1.35E-09	2.60E-09	1.31E-10	4.08E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.46E-10	1.23E-09	4.09E-11	2.02E-09
3176	740761.82	4108050.52	6.25E-09	1.14E-08	6.26E-10	1.83E-08	9.70E-10	1.87E-09	9.39E-11	2.93E-09	9.43E-10	1.61E-09	1.19E-10	2.67E-09	5.36E-10	8.87E-10	2.94E-11	1.45E-09
3177	740732.68	4108069.22	6.42E-09	1.17E-08	6.43E-10	1.88E-08	9.96E-10	1.92E-09	9.64E-11	3.01E-09	9.68E-10	1.65E-09	1.22E-10	2.74E-09	5.50E-10	9.10E-10	3.02E-11	1.49E-09
3178	740545.69	4107713.93	4.87E-09	8.87E-09	4.87E-10	1.42E-08	7.55E-10	1.45E-09	7.31E-11	2.28E-09	7.34E-10	1.25E-09	9.28E-11	2.08E-09	4.17E-10	6.90E-10	2.29E-11	1.13E-09
3179	740516.56	4107732.64	4.99E-09	9.10E-09	5.00E-10	1.46E-08	7.74E-10	1.49E-09	7.49E-11	2.34E-09	7.53E-10	1.28E-09	9.52E-11	2.13E-09	4.28E-10	7.08E-10	2.35E-11	1.16E-09
3180	740329.57	4107377.34	3.93E-09	7.16E-09	3.93E-10	1.15E-08	6.09E-10	1.17E-09	5.90E-11	1.84E-09	5.93E-10	1.01E-09	7.49E-11	1.68E-09	3.37E-10	5.57E-10	1.85E-11	9.12E-10
3181	740300.44	4107396.05	4.03E-09	7.34E-09	4.03E-10	1.18E-08	6.24E-10	1.20E-09	6.04E-11	1.89E-09	6.07E-10	1.04E-09	7.67E-11	1.72E-09	3.45E-10	5.71E-10	1.89E-11	9.35E-10
3182	741990.48	4109983.24	4.07E-06	7.41E-06	4.07E-07	1.19E-05	6.31E-07	1.22E-06	6.11E-08	1.91E-06	6.14E-07	1.05E-06	7.75E-08	1.74E-06	3.49E-07	5.77E-07	1.91E-08	9.45E-07
3183	743559.57	4108987.29	3.12E-08	5.68E-08	3.12E-09	9.10E-08	4.83E-09	9.31E-09	4.68E-10	1.46E-08	4.70E-09	8.01E-09	5.94E-10	1.33E-08	2.67E-09	4.42E-09	1.46E-10	7.23E-09
3184	743536.45	4108951.29	3.08E-08	5.61E-08	3.08E-09	9.00E-08	4.78E-09	9.20E-09	4.62E-10	1.44E-08	4.65E-09	7.92E-09	5.87E-10	1.32E-08	2.64E-09	4.37E-09	1.45E-10	7.15E-09
3185	743513.34	4108915.3	3.02E-08	5.51E-08	3.02E-09	8.83E-08	4.69E-09	9.03E-09	4.53E-10	1.42E-08	4.56E-09	7.77E-09	5.76E-10	1.29E-08	2.59E-09	4.28E-09	1.42E-10	7.01E-09
3186	743896.14	4108771.15	2.25E-08	4.10E-08	2.25E-09	6.57E-08	3.49E-09	6.72E-09	3.38E-10	1.05E-08	3.39E-09	5.78E-09	4.29E-10	9.60E-09	1.93E-09	3.19E-09	1.06E-10	5.22E-09
3187	743873.03	4108735.15	2.23E-08	4.07E-08	2.24E-09	6.53E-08	3.46E-09	6.67E-09	3.35E-10	1.05E-08	3.37E-09	5.74E-09	4.26E-10	9.54E-09	1.91E-09	3.17E-09	1.05E-10	5.19E-09
3188	743849.91	4108699.16	2.20E-08	4.02E-08	2.21E-09	6.44E-08	3.42E-09	6.58E-09	3.31E-10	1.03E-08	3.32E-09	5.67E-09	4.20E-10	9.41E-09	1.89E-09	3.13E-09	1.04E-10	5.12E-09
3189	744232.72	4108555.01	1.74E-08	3.17E-08	1.74E-09	5.08E-08	2.70E-09	5.19E-09	2.61E-10	8.15E-09	2.62E-09	4.47E-09	3.31E-10	7.42E-09	1.49E-09	2.46E-09	8.17E-11	4.04E-09
3190	744209.6	4108519.01	1.73E-08	3.15E-08	1.73E-09	5.05E-08	2.68E-09	5.16E-09	2.59E-10	8.11E-09	2.61E-09	4.44E-09	3.29E-10	7.38E-09	1.48E-09	2.45E-09	8.12E-11	4.01E-09
3191	744186.49	4108483.02	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.66E-09	5.12E-09	2.57E-10	8.03E-09	2.58E-09	4.40E-09	3.26E-10	7.31E-09	1.47E-09	2.43E-09	8.05E-11	3.98E-09
3192	744569.3	4108338.87	1.41E-08	2.56E-08	1.41E-09	4.11E-08	2.18E-09	4.20E-09	2.11E-10	6.60E-09	2.12E-09	3.62E-09	2.68E-10	6.01E-09	1.21E-09	1.99E-09	6.61E-11	3.27E-09
3193	744546.18	4108302.87	1.40E-08	2.55E-08	1.40E-09	4.10E-08	2.17E-09	4.19E-09	2.10E-10	6.57E-09	2.11E-09	3.60E-09	2.67E-10	5.98E-09	1.20E-09	1.99E-09	6.59E-11	3.25E-09
3194	744523.07	4108266.88	1.39E-08	2.54E-08	1.39E-09	4.07E-08	2.16E-09	4.16E-09	2.09E-10	6.53E-09	2.10E-09	3.58E-09	2.65E-10	5.94E-09	1.19E-09	1.97E-09	6.54E-11	3.23E-09
3195	741844.75	4109956.74	1.15E-06	2.10E-06	1.15E-07	3.37E-06	1.79E-07	3.44E-07	1.73E-08	5.40E-07	1.74E-07	2.96E-07	2.19E-08	4.92E-07	9.87E-08	1.63E-07	5.41E-09	2.67E-07
3196	741799.11	4109926.51	6.00E-07	1.09E-06	6.00E-08	1.75E-06	9.30E-08	1.79E-07	9.00E-09	2.81E-07	9.04E-08	1.54E-07	1.14E-08	2.56E-07	5.14E-08	8.50E-08	2.82E-09	1.39E-07
3197	741879.74	4109854.25	5.06E-07	9.23E-07	5.07E-08	1.48E-06	7.85E-08	1.51E-07	7.60E-09	2.37E-07	7.64E-08	1.30E-07	9.65E-09	2.16E-07	4.34E-08	7.18E-08	2.38E-09	1.18E-07
3198	741785.7	4109905.41	4.78E-07	8.71E-07	4.78E-08	1.40E-06	7.41E-08	1.43E-07	7.17E-09	2.24E-07	7.20E-08	1.23E-07	9.10E-09	2.04E-07	4.09E-08	6.77E-08	2.25E-09	1.11E-07
3199	741852.92	4109812.06	3.13E-07	5.71E-07	3.14E-08	9.16E-07	4.86E-08	9.37E-08	4.71E-09	1.47E-07	4.73E-08	8.06E-08	5.97E-09	1.34E-07	2.69E-08	4.44E-08	1.47E-09	7.28E-08
3200	741740.06	4109875.17	3.26E-07	5.93E-07	3.26E-08	9.51E-07	5.05E-08	9.73E-08	4.89E-09	1.53E-07	4.91E-08	8.37E-08	6.20E-09	1.39E-07	2.79E-08	4.62E-08	1.53E-09	7.56E-08

3201	741828.78	4109769.39	2.15E-07	3.93E-07	2.16E-08	6.30E-07	3.34E-08	6.44E-08	3.23E-09	1.01E-07	3.25E-08	5.54E-08	4.11E-09	9.20E-08	1.85E-08	3.05E-08	1.01E-09	5.00E-08
3202	741871.73	4109761.81	2.30E-07	4.20E-07	2.30E-08	6.73E-07	3.57E-08	6.88E-08	3.46E-09	1.08E-07	3.47E-08	5.92E-08	4.39E-09	9.83E-08	1.97E-08	3.27E-08	1.08E-09	5.35E-08
3203	741843.12	4109719.93	1.67E-07	3.04E-07	1.67E-08	4.88E-07	2.59E-08	4.99E-08	2.50E-09	7.82E-08	2.52E-08	4.29E-08	3.18E-09	7.12E-08	1.43E-08	2.37E-08	7.84E-10	3.87E-08
3204	742020.58	4109734.17	2.93E-07	5.34E-07	2.93E-08	8.56E-07	4.54E-08	8.75E-08	4.40E-09	1.37E-07	4.42E-08	7.53E-08	5.58E-09	1.25E-07	2.51E-08	4.15E-08	1.38E-09	6.80E-08
3205	741815.15	4109677.93	1.28E-07	2.33E-07	1.28E-08	3.74E-07	1.98E-08	3.82E-08	1.92E-09	6.00E-08	1.93E-08	3.29E-08	2.44E-09	5.46E-08	1.10E-08	1.81E-08	6.01E-10	2.97E-08
3206	741958.65	4109652.6	1.50E-07	2.74E-07	1.50E-08	4.39E-07	2.33E-08	4.49E-08	2.26E-09	7.05E-08	2.27E-08	3.87E-08	2.87E-09	6.42E-08	1.29E-08	2.13E-08	7.07E-10	3.49E-08
3207	741734.84	4109700.75	1.22E-07	2.22E-07	1.22E-08	3.56E-07	1.89E-08	3.64E-08	1.83E-09	5.72E-08	1.84E-08	3.13E-08	2.32E-09	5.20E-08	1.04E-08	1.73E-08	5.73E-10	2.83E-08
3208	741697.22	4109724.67	1.30E-07	2.37E-07	1.30E-08	3.81E-07	2.02E-08	3.89E-08	1.96E-09	6.11E-08	1.96E-08	3.35E-08	2.48E-09	5.56E-08	1.12E-08	1.85E-08	6.12E-10	3.02E-08
3209	741659.59	4109748.59	1.39E-07	2.53E-07	1.39E-08	4.06E-07	2.16E-08	4.15E-08	2.09E-09	6.52E-08	2.10E-08	3.57E-08	2.65E-09	5.94E-08	1.19E-08	1.97E-08	6.54E-10	3.23E-08
3210	741764.43	4109593.02	8.41E-08	1.53E-07	8.42E-09	2.46E-07	1.30E-08	2.51E-08	1.26E-09	3.94E-08	1.27E-08	2.16E-08	1.60E-09	3.59E-08	7.21E-09	1.19E-08	3.95E-10	1.95E-08
3211	741807.38	4109585.44	8.67E-08	1.58E-07	8.68E-09	2.53E-07	1.34E-08	2.59E-08	1.30E-09	4.07E-08	1.31E-08	2.23E-08	1.65E-09	3.70E-08	7.43E-09	1.23E-08	4.08E-10	2.01E-08
3212	741850.33	4109577.86	8.93E-08	1.63E-07	8.94E-09	2.61E-07	1.39E-08	2.67E-08	1.34E-09	4.19E-08	1.35E-08	2.30E-08	1.70E-09	3.81E-08	7.66E-09	1.27E-08	4.20E-10	2.07E-08
3213	741893.28	4109570.28	9.28E-08	1.69E-07	9.28E-09	2.71E-07	1.44E-08	2.77E-08	1.39E-09	4.35E-08	1.40E-08	2.39E-08	1.77E-09	3.96E-08	7.95E-09	1.32E-08	4.36E-10	2.15E-08
3214	742108.02	4109626.11	1.77E-07	3.23E-07	1.77E-08	5.18E-07	2.75E-08	5.30E-08	2.66E-09	8.31E-08	2.67E-08	4.56E-08	3.38E-09	7.57E-08	1.52E-08	2.51E-08	8.34E-10	4.12E-08
3215	741681.2	4109616.35	8.02E-08	1.46E-07	8.03E-09	2.34E-07	1.24E-08	2.40E-08	1.20E-09	3.76E-08	1.21E-08	2.06E-08	1.53E-09	3.42E-08	6.87E-09	1.14E-08	3.77E-10	1.86E-08
3216	741643.57	4109640.27	8.38E-08	1.53E-07	8.39E-09	2.45E-07	1.30E-08	2.50E-08	1.26E-09	3.93E-08	1.26E-08	2.15E-08	1.60E-09	3.58E-08	7.18E-09	1.19E-08	3.94E-10	1.95E-08
3217	741605.94	4109664.19	8.88E-08	1.62E-07	8.89E-09	2.60E-07	1.38E-08	2.65E-08	1.33E-09	4.16E-08	1.34E-08	2.28E-08	1.69E-09	3.79E-08	7.61E-09	1.26E-08	4.17E-10	2.06E-08
3218	741667.24	4109516.32	5.87E-08	1.07E-07	5.87E-09	1.72E-07	9.10E-09	1.75E-08	8.81E-10	2.75E-08	8.85E-09	1.51E-08	1.12E-09	2.51E-08	5.03E-09	8.32E-09	2.76E-10	1.36E-08
3219	741709	4109508.95	6.03E-08	1.10E-07	6.04E-09	1.76E-07	9.36E-09	1.80E-08	9.05E-10	2.83E-08	9.10E-09	1.55E-08	1.15E-09	2.58E-08	5.17E-09	8.55E-09	2.84E-10	1.40E-08
3220	741750.75	4109501.58	6.16E-08	1.12E-07	6.16E-09	1.80E-07	9.55E-09	1.84E-08	9.24E-10	2.89E-08	9.29E-09	1.58E-08	1.17E-09	2.63E-08	5.28E-09	8.73E-09	2.89E-10	1.43E-08
3221	741792.51	4109494.21	6.29E-08	1.15E-07	6.29E-09	1.84E-07	9.75E-09	1.88E-08	9.43E-10	2.95E-08	9.48E-09	1.62E-08	1.20E-09	2.68E-08	5.39E-09	8.91E-09	2.95E-10	1.46E-08
3222	741834.27	4109486.84	6.46E-08	1.18E-07	6.46E-09	1.89E-07	1.00E-08	1.93E-08	9.69E-10	3.03E-08	9.74E-09	1.66E-08	1.23E-09	2.76E-08	5.53E-09	9.16E-09	3.03E-10	1.50E-08
3223	742074.37	4109490.02	9.09E-08	1.66E-07	9.09E-09	2.66E-07	1.41E-08	2.71E-08	1.36E-09	4.26E-08	1.37E-08	2.34E-08	1.73E-09	3.88E-08	7.79E-09	1.29E-08	4.27E-10	2.11E-08
3224	742109.16	4109514.26	1.04E-07	1.90E-07	1.04E-08	3.05E-07	1.62E-08	3.12E-08	1.57E-09	4.89E-08	1.57E-08	2.68E-08	1.99E-09	4.45E-08	8.94E-09	1.48E-08	4.90E-10	2.42E-08
3225	742143.95	4109538.49	1.21E-07	2.20E-07	1.21E-08	3.53E-07	1.87E-08	3.61E-08	1.81E-09	5.67E-08	1.82E-08	3.11E-08	2.30E-09	5.16E-08	1.04E-08	1.71E-08	5.68E-10	2.81E-08
3226	741627.55	4109531.96	5.82E-08	1.06E-07	5.83E-09	1.70E-07	9.03E-09	1.74E-08	8.74E-10	2.73E-08	8.78E-09	1.50E-08	1.11E-09	2.49E-08	4.99E-09	8.26E-09	2.74E-10	1.35E-08
3227	741589.92	4109555.88	5.97E-08	1.09E-07	5.97E-09	1.74E-07	9.26E-09	1.78E-08	8.96E-10	2.80E-08	9.00E-09	1.53E-08	1.14E-09	2.55E-08	5.11E-09	8.46E-09	2.80E-10	1.39E-08
3228	741552.29	4109579.8	6.21E-08	1.13E-07	6.21E-09	1.81E-07	9.62E-09	1.85E-08	9.31E-10	2.91E-08	9.36E-09	1.60E-08	1.18E-09	2.65E-08	5.32E-09	8.80E-09	2.92E-10	1.44E-08
3229	741614.19	4109431.82	4.51E-08	8.23E-08	4.52E-09	1.32E-07	7.00E-09	1.35E-08	6.78E-10	2.12E-08	6.81E-09	1.16E-08	8.60E-10	1.93E-08	3.87E-09	6.40E-09	2.12E-10	1.05E-08
3230	741657.14	4109424.24	4.61E-08	8.39E-08	4.61E-09	1.35E-07	7.14E-09	1.38E-08	6.91E-10	2.16E-08	6.95E-09	1.18E-08	8.78E-10	1.97E-08	3.95E-09	6.53E-09	2.16E-10	1.07E-08
3231	741700.09	4109416.66	4.67E-08	8.51E-08	4.67E-09	1.36E-07	7.24E-09	1.39E-08	7.01E-10	2.19E-08	7.04E-09	1.20E-08	8.90E-10	1.99E-08	4.00E-09	6.62E-09	2.19E-10	1.08E-08
3232	741743.04	4109409.08	4.74E-08	8.64E-08	4.74E-09	1.38E-07	7.35E-09	1.42E-08	7.11E-10	2.22E-08	7.15E-09	1.22E-08	9.03E-10	2.02E-08	4.06E-09	6.72E-09	2.23E-10	1.10E-08
3233	741785.99	4109401.5	4.84E-08	8.81E-08	4.84E-09	1.41E-07	7.50E-09	1.44E-08	7.26E-10	2.27E-08	7.29E-09	1.24E-08	9.21E-10	2.06E-08	4.14E-09	6.86E-09	2.27E-10	1.12E-08
3234	742097.37	4109393.4	6.76E-08	1.23E-07	6.77E-09	1.98E-07	1.05E-08	2.02E-08	1.02E-09	3.17E-08	1.02E-08	1.74E-08	1.29E-09	2.89E-08	5.80E-09	9.59E-09	3.18E-10	1.57E-08
3235	742133.16	4109418.33	7.60E-08	1.38E-07	7.60E-09	2.22E-07	1.18E-08	2.27E-08	1.14E-09	3.56E-08	1.15E-08	1.95E-08	1.45E-09	3.24E-08	6.51E-09	1.08E-08	3.57E-10	1.76E-08
3236	741573.9	4109447.57	4.49E-08	8.18E-08	4.49E-09	1.31E-07	6.96E-09	1.34E-08	6.74E-10	2.10E-08	6.77E-09	1.15E-08	8.55E-10	1.92E-08	3.85E-09	6.36E-09	2.11E-10	1.04E-08
3237	741536.27	4109471.49	4.56E-08	8.31E-08	4.56E-09	1.33E-07	7.07E-09	1.36E-08	6.85E-10	2.14E-08	6.88E-09	1.17E-08	8.69E-10	1.95E-08	3.91E-09	6.47E-09	2.14E-10	1.06E-08
3238	741498.65	4109495.41	4.67E-08	8.51E-08	4.67E-09	1.36E-07	7.24E-09	1.40E-08	7.01E-10	2.19E-08	7.04E-09	1.20E-08	8.90E-10	1.99E-08	4.00E-09	6.62E-09	2.19E-10	1.08E-08
3239	741560.99	4109347.35	3.61E-08	6.59E-08	3.62E-09	1.06E-07	5.61E-09	1.08E-08	5.43E-10	1.69E-08	5.45E-09	9.29E-09	6.89E-10	1.54E-08	3.10E-09	5.13E-09	1.70E-10	8.39E-09
3240	741604.83	4109339.61	3.66E-08	6.68E-08	3.67E-09	1.07E-07	5.68E-09	1.09E-08	5.50E-10	1.72E-08	5.53E-09	9.42E-09	6.98E-10	1.56E-08	3.14E-09	5.20E-09	1.72E-10	8.51E-09
3241	741648.68	4109331.87	3.69E-08	6.73E-08	3.69E-09	1.08E-07	5.73E-09	1.10E-08	5.54E-10	1.73E-08	5.57E-09	9.49E-09	7.04E-10	1.58E-08	3.16E-09	5.24E-09	1.74E-10	8.57E-09
3242	741692.52	4109324.13	3.73E-08	6.79E-08	3.73E-09	1.09E-07	5.78E-09	1.11E-08	5.59E-10	1.75E-08	5.62E-09	9.58E-09	7.10E-10	1.59E-08	3.19E-09	5.28E-09	1.75E-10	8.65E-09
3243	741736.37	4109316.39	3.78E-08	6.89E-08	3.79E-09	1.11E-07	5.87E-09	1.13E-08	5.68E-10	1.77E-08	5.70E-09	9.73E-09	7.21E-10	1.62E-08	3.24E-09	5.36E-09	1.78E-10	8.78E-09
3244	742120	4109296.52	5.26E-08	9.59E-08	5.26E-09	1.54E-07	8.16E-09	1.57E-08	7.90E-10	2.47E-08	7.93E-09	1.35E-08	1.00E-09	2.25E-08	4.51E-09	7.46E-09	2.47E-10	1.22E-08
3245	742156.54	4109321.97	5.83E-08	1.06E-07	5.83E-09	1.70E-07	9.03E-09	1.74E-08	8.74E-10	2.73E-08	8.78E-09	1.50E-08	1.11E-09	2.49E-08	4.99E-09	8.26E-09	2.74E-10	1.35E-08
3246	741520.25	4109363.18	3.61E-08	6.58E-08	3.61E-09	1.05E-07	5.60E-09	1.08E-08	5.42E-10	1.69E-08	5.44E-09	9.28E-09	6.88E-10	1.54E-08	3.09E-09	5.12E-09	1.70E-10	8.38E-09
3247	741482.63	4109387.1	3.66E-08	6.67E-08	3.66E-09	1.07E-07	5.68E-09	1.09E-08	5.49E-10	1.72E-08	5.52E-09	9.41E-09	6.97E-10	1.56E-08	3.14E-09	5.19E-09	1.72E-10	8.50E-09
3248	741445	4109411.02	3.71E-08	6.76E-08	3.71E-09	1.08E-07	5.76E-09	1.11E-08	5.57E-10	1.74E-08	5.60E-09	9.54E-09	7.07E-10	1.58E-08	3.18E-09	5.26E-09	1.74E-10	8.62E-09
3249	741497.24	4109170.88	2.51E-08	4.58E-08	2.52E-09	7.35E-08	3.90E-09	7.51E-09	3.77E-10	1.18E-08	3.79E-09	6.46E-09	4.79E-10	1.07E-08	2.15E-09	3.57E-09	1.18E-10	5.84E-09
3250	741540.88	4109163.18	2.51E-08	4.58E-08	2.52E-09	7.35E-08	3.90E-09	7.51E-09	3.77E-10	1.18E-08	3.79E-09	6.46E-09	4.79E-10	1.07E-08	2.15E-09	3.56E-09	1.18E-10	5.84E-09
3251	741584.52	4109155.47	2.51E-08	4.57E-08	2.51E-09	7.34E-08	3.89E-09	7.50E-09	3.77E-10	1.18E-08	3.79E-09	6.45E-09	4.78E-10	1.07E-08	2.15E-09	3.56E-09	1.18E-10	5.83E-09
3252	741628.16	4109147.77	2.52E-08	4.59E-08	2.52E-09	7.36E-08	3.91E-09	7.53E-09	3.78E-10	1.18E-08	3.80E-09	6.48E-09	4.80E-10	1.08E-08	2.16E-09	3.57E-09	1.18E-10	5.85E-09
3253	741671.81	4109140.07	2.55E-08	4.65E-08	2.55E-09	7.45E-08	3.95E-09	7.62E-09	3.83E-10	1.20E-08	3.84E-09	6.55E-09	4.86E-10	1.09E-08	2.18E-09	3.61E-09	1.20E-10	5.92E-09
3254	741715.45	4109132.37	2.59E-08	4.71E-08	2.59E-09	7.56E-08	4.01E-09	7.73E-09	3.88E-10	1.21E-08	3.90E-09	6.65E-09	4.93E-10	1.10E-08	2.22E-09	3.67E-09	1.22E-10	6.00E-09
3255	741759.09	4109124.66	2.63E-08	4.78E-08	2.63E-09	7.67E-08	4.07E-09	7.84E-09	3.94E-10	1.23E-08	3.96E-09	6.75E-09	5.00E-10	1.12E-08	2.25E-09	3.72E-09	1.23E-10	6.09E-09
3256	741802.74	4109116.96	2.68E-08	4.88E-08	2.68E-09	7.82E-08	4.15E-09	8.00E-09	4.02E-10	1.26E-08	4.04E-09	6.88E-09	5.10E-10	1.14E-08	2.29E-09	3.80E-09	1.26E-10	6.22E-09
3257	741846.38	4109109.26	2.74E-08	5.00E-08	2.75E-09	8.02E-08	4.26E-09	8.20E-09	4.12E-10	1.29E-08	4.14E-09	7.05E-09	5.23E-10	1.17E-08	2.35E-09	3.89E-09	1.29E-10	6.37E-09
3258	741890.02	4109101.55	2.82E-08	5.13E-08	2.82E-09	8.23E-08	4.37E-09	8.41E-09	4.23E-10	1.32E-08	4.25E-09	7.24E-09	5.37E-10	1.20E-08	2.41E-09	3.99E-09	1.32E-10	6.54E-09
3259	741933.66	4109093.85	2.88E-08	5.24E-08	2.88E-09	8.40E-08	4.46E-09	8.59E-09	4.32E-10	1.35E-08	4.34E-09	7.39E-09	5.48E-10	1.23E-08	2.46E-09	4.08E-09	1.35E-10	6.68E-09
3260	741977.31	4109086.15	2.93E-08	5.34E-08	2.93E-09	8.56E-08	4.54E-09	8.75E-09	4.40E-10	1.37E-08	4.42E-09	7.53E-09	5.58E-10	1.25E-08	2.51E-09	4.15E-09	1.38E-10	6.80E-09
3261	742020.95	4109078.44	2.98E-08	5.43E-08	2.98E-09	8.71E-08	4.62E-09	8.91E-09	4.47E-10	1.40E-08	4.50E-09	7.66E-09	5.68E-10	1.27E-08	2.55E-09	4.23E-09	1.40E-10	6.92E-09
3262	742064.59	4109070.74	3.04E-08	5.53E-08	3.04E-09	8.87E-08	4.71E-09	9.07E-09	4.56E-10	1.42E-08	4.58E-09	7.80E-09	5.78E-10	1.30E-08	2.60E-09	4.30E-09	1.43E-10	7.05E-09
3263	742126.42	4109075.7	3.21E-08	5.85E-08	3.21E-09	9.39E-08	4.98E-09	9.59E-09	4.82E-10	1.51E-08	4.84E-09	8.26E-09	6.12E-10	1.37E-08	2.75E-09	4.55E-09	1.51E-10	7.46E-09
3264	742162.78	4109101.03	3.48E-08	6.34E-08	3.48E-09	1.02E-07	5.40E-09	1.04E-08	5.22E-10	1.63E-08	5.25E-09	8.95E-09	6.63E-10	1.49E-08	2.98E-09	4.93E-09	1.64E-10	8.08E-09
3265	742199.15	4109126.36	3.78E-08	6.88E-08	3.78E-09	1.10E-07	5.86E-09	1.13E-08	5.67E-10	1.77E-08	5.70E-09	9.71E-09	7.20E-10	1.61E-08	3.24E-09	5.35E-09	1.77E-10	8.77E-09
3266	741412.96	4109194.4	2.52E-08	4.60E-08	2.52E-09	7.37E-08	3.91E-09	7.54E-09	3.79E-10	1.18E-08	3.80E-09	6.48E-09	4.81E-10	1.08E-08	2.16E-09	3.58E-09	1.19E-10	5.86E-09
3267	741375.33	4109218.32	2.56E-08	4.67E-08	2.57E-09	7.49E-08	3.98E-09	7.66E-09	3.85E-10	1.20E-08	3.87E-09	6.59E-09	4.89E-10	1.09E-08	2.20E-09	3.64E-09	1.20E-10	5.95E-09
3268	741337.7	4109242.24	2.59E-08	4.72E-08	2.59E-09	7.57E-08	4.01E-09	7.73E-09	3.89E-10	1.21E-08	3.90E-09	6.65E-09	4.93E-10	1.11E-08	2.22E-09	3.67E-09	1.22E-10	6.01E-09
3269	741346.24	4109009.81	1.86E-08	3.39E-08	1.86E-09	5.44E-08	2.89E-09	5.57E-09	2.80E-10	8.73E-09	2.81E-09	4.79E-09	3.55E-10	7.95E-09	1.60E-09	2.64E-09	8.75E-11	4.32E-09
3270	741389.75	4109002.13	1.86E-08	3.38E-08	1.86E-09	5.42E-08	2.88E-09	5.54E-09	2.78E-10	8.70E-09	2.80E-09	4.77E-09	3.54E-10	7.92E-09	1.59E-09	2.63E-09	8.72E-11	4.31E-09
3271	741433.27	4108994.45	1.85E-08	3.36E-08	1.85E-09	5.39E-08	2.86E-09	5.51E-09	2.77E-10	8.65E-09	2.78E-09	4.74E-09	3.52E-10	7.88E-09	1.58E-09	2.62E-09	8.67E-11	4.28E-09
3272	741476.78	4108986.77	1.83E-08	3.34E-08	1.84E-09	5.36E-08	2.85E-09	5.48E-09	2.75E-10	8.60E-09	2.77E-09	4.72E-09	3.50E-10	7.83E-09	1.57E-09	2.60E-09	8.62E-11	4.26E-09
3273	741520.3	4108979.09	1.83E-08	3.33E-08	1.83E-09	5.35E-08	2.84E-09	5.47E-09	2.75E-10	8.58E-09	2.76E-09	4.70E-09	3.49E-10	7.81E-09	1.57E-09	2.59E-09	8.60E-11	4.25E-09
3274	741563.81	4108971.41	1.84E-08	3.35E-08	1.84E-09	5.37E-08	2.85E-09	5.49E-09	2.76E-10	8.62E-09	2.77E-09	4.72E-09	3.50E-10	7.85E-09	1.57E-09	2.61E-09	8.64E-11	4.27E-09
3275	741607.33	4108963.73	1.86E-08	3.38E-08	1.86E-09	5.43E-08	2.88E-09	5.55E-09	2.79E-10	8.70E-09	2.80E-09	4.77E-09	3.54E-10	7.93E-09	1.59E-09	2.63E-09	8.72E-11	4.31E-09
3276	741650.84	4108956.05	1.88E-08	3.43E-08	1.88E-09	5.50E-08	2.92E-09	5.62E-09	2.82E-10	8.82E-09	2.84E-09	4.84E-09	3.59E-10	8.04E-09	1.61E-09	2.67E-09	8.85E-11	4.37E-09
3277	741694.36	4108948.37	1.91E-08	3.49E-08	1.91E-09	5.59E-08	2.97E-09	5.71E-09	2.87E-10	8.97E-09	2.88E-09	4.92E-09	3.64E-10	8.17E-09	1.64E-09	2.71E-09	8.99E-11	4.44E-09
3278	741737.87	4108940.69	1.95E-08	3.55E-08	1.95E-09	5.69E-08	3.02E-09	5.81E-09	2.92E-10	9.12E-09	2.93E-09	5.00E-09	3.71E-10	8.31E-09	1.67E-09	2.76E-09	9.15E-11	4.52E-09
3279	741781.39	4108933.01	1.99E-08	3.62E-08	1.99E-09	5.80E-08	3.08E-09	5.93E-09	2.98E-10	9.31E-09	2.99E-09	5.10E-09	3.78E-10	8.48E-09	1.70E-09	2.82E-09	9.33E-11	4.61E-09
3280	741824.9	4108925.33	2.03E-08	3.70E-08	2.03E-09	5.93E-08	3.15E-09	6.06E-09	3.05E-10	9.51E-09	3.06E-09	5.22E-09	3.87E-10	8.66E-09	1.74E-09	2.88E-09	9.54E-11	4.71E-09
3281	741868.42	4108917.64	2.07E-08	3.78E-08	2.07E-09	6.06E-08	3.21E-09	6.19E-09	3.11E-10	9.72E-09	3.13E-09	5.33E-09	3.95E-10	8.85E-09	1.78E-09	2.94E-09	9.74E-11	4.81E-09
3282	741911.93	4108909.96	2.11E-08	3.85E-08	2.11E-09	6.17E-08	3.28E-09	6.31E-09	3.17E-10	9.91E-09	3.19E-09	5.43E-09	4.03E-10	9.02E-09	1.81E-09	3.00E-09	9.93E-11	4.91E-09
3283	741955.45	4108902.28	2.15E-08	3.91E-08	2.15E-09	6.28E-08	3.33E-09	6.42E-09	3.22E-10	1.01E-08	3.24E-09	5.52E-09	4.09E-10	9.17E-09	1.84E-09	3.05E-09	1.01E-10	4.99E-09
3284	741998.96	4108894.6	2.18E-08	3.97E-08	2.18E-09	6.37E-08	3.38E-09	6.51E-09	3.27E-10	1.02E-08	3.29E-09	5.60E-09	4.15E-10	9.31E-09	1.87E-09	3.09E-09	1.02E-10	5.06E-09
3285	742042.48	4108886.92	2.21E-08	4.02E-08	2.21E-09	6.45E-08	3.42E-09	6.59E-09	3.31E-10	1.03E-08	3.33E-09	5.67E-09	4.20E-10	9.42E-09	1.89E-09	3.13E-09	1.04E-10	5.12E-09
3286	742085.99	4108879.24	2.23E-08	4.06E-08	2.23E-09	6.51E-08	3.45E-09	6.65E-09	3.34E-10	1.04E-08	3.36E-09	5.72E-09	4.24E-10	9.51E-09	1.91E-09	3.16E-09	1.05E-10	5.17E-09
3287	742129.51	4108871.56	2.25E-08	4.10E-08	2.25E-09	6.58E-08	3.49E-09	6.73E-09	3.38E-10	1.06E-08	3.39E-09	5.79E-09	4.29E-10	9.61E-09	1.93E-09	3.19E-09	1.06E-10	5.23E-09
3288	742169.39	4108880.35	2.34E-08	4.27E-08	2.34E-09	6.84E-08	3.63E-09	7.00E-09	3.51E-10	1.10E-08	3.53E-09	6.02E-09	4.46E-10	1.00E-08	2.01E-09	3.32E-09	1.10E-10	5.44E-09
3289	742205.65	4108905.6	2.51E-08	4.57E-08	2.51E-09	7.33E-08	3.89E-09	7.50E-09	3.77E-10	1.18E-08	3.78E-09	6.45E-09	4.78E-10	1.07E-08	2.15E-09	3.56E-09	1.18E-10	5.83E-09

3290	742241.91	4108930.86	2.69E-08	4.91E-08	2.70E-09	7.87E-08	4.18E-09	8.05E-09	4.04E-10	1.26E-08	4.06E-09	6.92E-09	5.13E-10	1.15E-08	2.31E-09	3.82E-09	1.27E-10	6.25E-09
3291	741305.66	4109025.61	1.89E-08	3.44E-08	1.89E-09	5.52E-08	2.93E-09	5.64E-09	2.83E-10	8.86E-09	2.85E-09	4.86E-09	3.60E-10	8.06E-09	1.62E-09	2.68E-09	8.88E-11	4.39E-09
3292	741268.04	4109049.53	1.93E-08	3.52E-08	1.93E-09	5.64E-08	2.99E-09	5.77E-09	2.90E-10	9.05E-09	2.91E-09	4.96E-09	3.68E-10	8.24E-09	1.65E-09	2.74E-09	9.07E-11	4.48E-09
3293	741230.41	4109073.45	1.96E-08	3.56E-08	1.96E-09	5.71E-08	3.03E-09	5.84E-09	2.93E-10	9.17E-09	2.95E-09	5.03E-09	3.73E-10	8.35E-09	1.68E-09	2.77E-09	9.19E-11	4.54E-09
3294	741282.32	4108833.37	1.44E-08	2.62E-08	1.44E-09	4.20E-08	2.23E-09	4.29E-09	2.15E-10	6.73E-09	2.16E-09	3.69E-09	2.74E-10	6.13E-09	1.23E-09	2.04E-09	6.75E-11	3.33E-09
3295	741325.75	4108825.71	1.42E-08	2.59E-08	1.42E-09	4.16E-08	2.21E-09	4.25E-09	2.14E-10	6.68E-09	2.15E-09	3.66E-09	2.71E-10	6.08E-09	1.22E-09	2.02E-09	6.69E-11	3.31E-09
3296	741369.18	4108818.04	1.41E-08	2.58E-08	1.42E-09	4.13E-08	2.19E-09	4.23E-09	2.12E-10	6.63E-09	2.13E-09	3.64E-09	2.70E-10	6.04E-09	1.21E-09	2.01E-09	6.65E-11	3.28E-09
3297	741412.6	4108810.38	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.18E-09	4.21E-09	2.11E-10	6.60E-09	2.12E-09	3.62E-09	2.68E-10	6.01E-09	1.21E-09	2.00E-09	6.62E-11	3.27E-09
3298	741456.03	4108802.71	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.18E-09	4.21E-09	2.11E-10	6.60E-09	2.12E-09	3.62E-09	2.68E-10	6.01E-09	1.21E-09	2.00E-09	6.62E-11	3.27E-09
3299	741499.46	4108795.05	1.42E-08	2.58E-08	1.42E-09	4.14E-08	2.20E-09	4.23E-09	2.12E-10	6.64E-09	2.13E-09	3.64E-09	2.70E-10	6.04E-09	1.21E-09	2.01E-09	6.65E-11	3.29E-09
3300	741542.89	4108787.38	1.43E-08	2.60E-08	1.43E-09	4.18E-08	2.22E-09	4.27E-09	2.15E-10	6.70E-09	2.16E-09	3.67E-09	2.72E-10	6.10E-09	1.22E-09	2.03E-09	6.72E-11	3.32E-09
3301	741586.31	4108779.72	1.45E-08	2.64E-08	1.45E-09	4.23E-08	2.25E-09	4.33E-09	2.17E-10	6.79E-09	2.19E-09	3.72E-09	2.76E-10	6.19E-09	1.24E-09	2.05E-09	6.81E-11	3.36E-09
3302	741629.74	4108772.05	1.47E-08	2.68E-08	1.47E-09	4.30E-08	2.28E-09	4.40E-09	2.21E-10	6.90E-09	2.22E-09	3.78E-09	2.80E-10	6.28E-09	1.26E-09	2.09E-09	6.92E-11	3.42E-09
3303	741673.17	4108764.39	1.50E-08	2.73E-08	1.50E-09	4.38E-08	2.32E-09	4.47E-09	2.25E-10	7.02E-09	2.26E-09	3.85E-09	2.85E-10	6.39E-09	1.28E-09	2.12E-09	7.04E-11	3.48E-09
3304	741716.6	4108756.72	1.52E-08	2.78E-08	1.52E-09	4.45E-08	2.36E-09	4.55E-09	2.29E-10	7.14E-09	2.30E-09	3.92E-09	2.90E-10	6.51E-09	1.31E-09	2.16E-09	7.16E-11	3.54E-09
3305	741760.02	4108749.06	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.40E-09	4.63E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.95E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
3306	741803.45	4108741.39	1.58E-08	2.88E-08	1.58E-09	4.61E-08	2.45E-09	4.72E-09	2.37E-10	7.40E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.67E-09
3307	741846.88	4108733.73	1.61E-08	2.93E-08	1.61E-09	4.70E-08	2.49E-09	4.80E-09	2.41E-10	7.53E-09	2.42E-09	4.13E-09	3.06E-10	6.86E-09	1.38E-09	2.28E-09	7.55E-11	3.73E-09
3308	741890.3	4108726.06	1.64E-08	2.98E-08	1.64E-09	4.78E-08	2.54E-09	4.88E-09	2.45E-10	7.67E-09	2.47E-09	4.20E-09	3.12E-10	6.98E-09	1.40E-09	2.32E-09	7.68E-11	3.80E-09
3309	741933.73	4108718.39	1.66E-08	3.03E-08	1.66E-09	4.86E-08	2.58E-09	4.97E-09	2.50E-10	7.79E-09	2.51E-09	4.27E-09	3.17E-10	7.10E-09	1.42E-09	2.36E-09	7.81E-11	3.86E-09
3310	741977.16	4108710.73	1.69E-08	3.07E-08	1.69E-09	4.93E-08	2.61E-09	5.04E-09	2.53E-10	7.91E-09	2.54E-09	4.33E-09	3.21E-10	7.20E-09	1.44E-09	2.39E-09	7.92E-11	3.91E-09
3311	742020.59	4108703.06	1.70E-08	3.10E-08	1.70E-09	4.98E-08	2.64E-09	5.09E-09	2.56E-10	7.98E-09	2.57E-09	4.38E-09	3.25E-10	7.27E-09	1.46E-09	2.41E-09	8.00E-11	3.95E-09
3312	742064.01	4108695.4	1.71E-08	3.12E-08	1.71E-09	5.01E-08	2.66E-09	5.12E-09	2.57E-10	8.03E-09	2.58E-09	4.40E-09	3.26E-10	7.31E-09	1.47E-09	2.43E-09	8.05E-11	3.98E-09
3313	742107.44	4108687.73	1.72E-08	3.13E-08	1.72E-09	5.02E-08	2.67E-09	5.14E-09	2.58E-10	8.06E-09	2.59E-09	4.42E-09	3.28E-10	7.34E-09	1.47E-09	2.44E-09	8.08E-11	3.99E-09
3314	742150.87	4108680.07	1.73E-08	3.15E-08	1.73E-09	5.05E-08	2.68E-09	5.17E-09	2.60E-10	8.11E-09	2.61E-09	4.45E-09	3.30E-10	7.38E-09	1.48E-09	2.45E-09	8.13E-11	4.02E-09
3315	742212.39	4108685.01	1.80E-08	3.28E-08	1.80E-09	5.26E-08	2.79E-09	5.38E-09	2.70E-10	8.44E-09	2.71E-09	4.63E-09	3.43E-10	7.69E-09	1.54E-09	2.55E-09	8.46E-11	4.18E-09
3316	742248.57	4108710.21	1.91E-08	3.49E-08	1.92E-09	5.59E-08	2.97E-09	5.72E-09	2.87E-10	8.97E-09	2.89E-09	4.92E-09	3.65E-10	8.17E-09	1.64E-09	2.71E-09	9.00E-11	4.44E-09
3317	742284.76	4108735.42	2.04E-08	3.72E-08	2.04E-09	5.96E-08	3.16E-09	6.09E-09	3.06E-10	9.56E-09	3.07E-09	5.24E-09	3.89E-10	8.70E-09	1.75E-09	2.89E-09	9.58E-11	4.73E-09
3318	741198.37	4108856.83	1.48E-08	2.69E-08	1.48E-09	4.32E-08	2.29E-09	4.41E-09	2.22E-10	6.93E-09	2.23E-09	3.80E-09	2.81E-10	6.31E-09	1.27E-09	2.09E-09	6.94E-11	3.43E-09
3319	741160.74	4108880.75	1.52E-08	2.76E-08	1.52E-09	4.43E-08	2.35E-09	4.53E-09	2.28E-10	7.11E-09	2.29E-09	3.90E-09	2.89E-10	6.47E-09	1.30E-09	2.15E-09	7.13E-11	3.52E-09
3320	741123.11	4108904.67	1.54E-08	2.81E-08	1.55E-09	4.51E-08	2.40E-09	4.61E-09	2.32E-10	7.24E-09	2.33E-09	3.97E-09	2.94E-10	6.59E-09	1.32E-09	2.19E-09	7.26E-11	3.59E-09
3321	741131.57	4108672.26	1.16E-08	2.12E-08	1.17E-09	3.40E-08	1.81E-09	3.48E-09	1.75E-10	5.46E-09	1.76E-09	2.99E-09	2.22E-10	4.97E-09	9.98E-10	1.65E-09	5.47E-11	2.70E-09
3322	741174.93	4108664.6	1.15E-08	2.10E-08	1.15E-09	3.36E-08	1.78E-09	3.44E-09	1.73E-10	5.39E-09	1.73E-09	2.96E-09	2.19E-10	4.91E-09	9.86E-10	1.63E-09	5.41E-11	2.67E-09
3323	741218.29	4108656.95	1.14E-08	2.08E-08	1.14E-09	3.33E-08	1.77E-09	3.40E-09	1.71E-10	5.34E-09	1.72E-09	2.93E-09	2.17E-10	4.86E-09	9.76E-10	1.61E-09	5.35E-11	2.64E-09
3324	741261.66	4108649.3	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.38E-09	1.70E-10	5.30E-09	1.71E-09	2.91E-09	2.15E-10	4.83E-09	9.69E-10	1.60E-09	5.31E-11	2.63E-09
3325	741305.02	4108641.64	1.13E-08	2.05E-08	1.13E-09	3.29E-08	1.75E-09	3.36E-09	1.69E-10	5.28E-09	1.70E-09	2.90E-09	2.15E-10	4.81E-09	9.65E-10	1.60E-09	5.29E-11	2.62E-09
3326	741348.38	4108633.99	1.13E-08	2.05E-08	1.13E-09	3.29E-08	1.74E-09	3.36E-09	1.69E-10	5.28E-09	1.70E-09	2.89E-09	2.14E-10	4.80E-09	9.64E-10	1.60E-09	5.29E-11	2.61E-09
3327	741391.75	4108626.34	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.37E-09	1.69E-10	5.29E-09	1.70E-09	2.90E-09	2.15E-10	4.82E-09	9.67E-10	1.60E-09	5.30E-11	2.62E-09
3328	741435.11	4108618.68	1.14E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.39E-09	1.70E-10	5.32E-09	1.71E-09	2.92E-09	2.16E-10	4.85E-09	9.73E-10	1.61E-09	5.33E-11	2.64E-09
3329	741478.47	4108611.03	1.15E-08	2.09E-08	1.15E-09	3.35E-08	1.78E-09	3.42E-09	1.72E-10	5.37E-09	1.73E-09	2.94E-09	2.18E-10	4.89E-09	9.82E-10	1.62E-09	5.38E-11	2.66E-09
3330	741521.84	4108603.37	1.16E-08	2.11E-08	1.16E-09	3.39E-08	1.80E-09	3.47E-09	1.74E-10	5.44E-09	1.75E-09	2.98E-09	2.21E-10	4.95E-09	9.94E-10	1.64E-09	5.45E-11	2.69E-09
3331	741565.2	4108595.72	1.18E-08	2.15E-08	1.18E-09	3.44E-08	1.83E-09	3.52E-09	1.77E-10	5.52E-09	1.78E-09	3.03E-09	2.24E-10	5.03E-09	1.01E-09	1.67E-09	5.53E-11	2.73E-09
3332	741608.56	4108588.07	1.20E-08	2.18E-08	1.20E-09	3.50E-08	1.86E-09	3.58E-09	1.80E-10	5.61E-09	1.81E-09	3.08E-09	2.28E-10	5.11E-09	1.03E-09	1.70E-09	5.63E-11	2.78E-09
3333	741651.92	4108580.41	1.22E-08	2.22E-08	1.22E-09	3.56E-08	1.89E-09	3.64E-09	1.83E-10	5.71E-09	1.84E-09	3.13E-09	2.32E-10	5.20E-09	1.04E-09	1.73E-09	5.72E-11	2.83E-09
3334	741695.29	4108572.76	1.24E-08	2.25E-08	1.24E-09	3.61E-08	1.92E-09	3.69E-09	1.86E-10	5.80E-09	1.86E-09	3.18E-09	2.36E-10	5.28E-09	1.06E-09	1.75E-09	5.81E-11	2.87E-09
3335	741738.65	4108565.11	1.26E-08	2.29E-08	1.26E-09	3.67E-08	1.95E-09	3.75E-09	1.88E-10	5.88E-09	1.89E-09	3.23E-09	2.39E-10	5.36E-09	1.08E-09	1.78E-09	5.90E-11	2.91E-09
3336	741782.01	4108557.45	1.27E-08	2.32E-08	1.27E-09	3.72E-08	1.97E-09	3.80E-09	1.91E-10	5.97E-09	1.92E-09	3.27E-09	2.43E-10	5.43E-09	1.09E-09	1.80E-09	5.98E-11	2.96E-09
3337	741825.38	4108549.8	1.29E-08	2.35E-08	1.29E-09	3.78E-08	2.00E-09	3.86E-09	1.94E-10	6.06E-09	1.95E-09	3.32E-09	2.46E-10	5.52E-09	1.11E-09	1.83E-09	6.07E-11	3.00E-09
3338	741868.74	4108542.15	1.31E-08	2.39E-08	1.31E-09	3.84E-08	2.04E-09	3.92E-09	1.97E-10	6.16E-09	1.98E-09	3.38E-09	2.50E-10	5.61E-09	1.13E-09	1.86E-09	6.17E-11	3.05E-09
3339	741912.1	4108534.49	1.33E-08	2.43E-08	1.34E-09	3.90E-08	2.07E-09	3.99E-09	2.00E-10	6.26E-09	2.01E-09	3.43E-09	2.54E-10	5.70E-09	1.14E-09	1.89E-09	6.27E-11	3.10E-09
3340	741955.46	4108526.84	1.35E-08	2.47E-08	1.36E-09	3.96E-08	2.10E-09	4.05E-09	2.03E-10	6.35E-09	2.04E-09	3.48E-09	2.58E-10	5.78E-09	1.16E-09	1.92E-09	6.36E-11	3.14E-09
3341	741998.83	4108519.18	1.37E-08	2.50E-08	1.37E-09	4.00E-08	2.12E-09	4.09E-09	2.06E-10	6.42E-09	2.06E-09	3.52E-09	2.61E-10	5.85E-09	1.17E-09	1.94E-09	6.44E-11	3.18E-09
3342	742042.19	4108511.53	1.38E-08	2.51E-08	1.38E-09	4.03E-08	2.14E-09	4.12E-09	2.07E-10	6.46E-09	2.08E-09	3.54E-09	2.62E-10	5.88E-09	1.18E-09	1.95E-09	6.47E-11	3.20E-09
3343	742085.55	4108503.88	1.38E-08	2.51E-08	1.38E-09	4.03E-08	2.14E-09	4.12E-09	2.07E-10	6.47E-09	2.08E-09	3.55E-09	2.63E-10	5.89E-09	1.18E-09	1.96E-09	6.48E-11	3.20E-09
3344	742128.92	4108496.22	1.38E-08	2.51E-08	1.38E-09	4.03E-08	2.14E-09	4.12E-09	2.07E-10	6.47E-09	2.08E-09	3.55E-09	2.63E-10	5.89E-09	1.18E-09	1.96E-09	6.48E-11	3.20E-09
3345	742172.28	4108488.57	1.38E-08	2.52E-08	1.38E-09	4.04E-08	2.14E-09	4.13E-09	2.07E-10	6.48E-09	2.08E-09	3.55E-09	2.63E-10	5.90E-09	1.18E-09	1.96E-09	6.50E-11	3.21E-09
3346	742215.64	4108480.92	1.39E-08	2.54E-08	1.39E-09	4.07E-08	2.16E-09	4.16E-09	2.09E-10	6.53E-09	2.10E-09	3.58E-09	2.65E-10	5.95E-09	1.19E-09	1.98E-09	6.55E-11	3.23E-09
3347	742255.39	4108489.67	1.44E-08	2.62E-08	1.44E-09	4.20E-08	2.23E-09	4.30E-09	2.16E-10	6.74E-09	2.17E-09	3.70E-09	2.74E-10	6.14E-09	1.23E-09	2.04E-09	6.76E-11	3.34E-09
3348	742291.52	4108514.84	1.52E-08	2.77E-08	1.52E-09	4.44E-08	2.36E-09	4.54E-09	2.28E-10	7.12E-09	2.29E-09	3.91E-09	2.90E-10	6.49E-09	1.30E-09	2.15E-09	7.14E-11	3.53E-09
3349	742327.65	4108540.01	1.61E-08	2.93E-08	1.61E-09	4.71E-08	2.50E-09	4.81E-09	2.42E-10	7.55E-09	2.43E-09	4.14E-09	3.07E-10	6.88E-09	1.38E-09	2.28E-09	7.57E-11	3.74E-09
3350	741091.07	4108688.05	1.19E-08	2.17E-08	1.19E-09	3.48E-08	1.85E-09	3.56E-09	1.79E-10	5.59E-09	1.80E-09	3.06E-09	2.27E-10	5.09E-09	1.02E-09	1.69E-09	5.60E-11	2.77E-09
3351	741053.45	4108711.97	1.23E-08	2.24E-08	1.23E-09	3.59E-08	1.90E-09	3.67E-09	1.84E-10	5.76E-09	1.85E-09	3.16E-09	2.34E-10	5.24E-09	1.05E-09	1.74E-09	5.77E-11	2.85E-09
3352	741015.82	4108735.89	1.26E-08	2.29E-08	1.26E-09	3.67E-08	1.95E-09	3.75E-09	1.88E-10	5.89E-09	1.89E-09	3.23E-09	2.39E-10	5.36E-09	1.08E-09	1.78E-09	5.90E-11	2.91E-09
3353	740916.94	4108334.7	8.10E-09	1.48E-08	8.10E-10	2.37E-08	1.26E-09	2.42E-09	1.22E-10	3.80E-09	1.22E-09	2.08E-09	1.54E-10	3.46E-09	6.94E-10	1.15E-09	3.81E-11	1.88E-09
3354	740960.21	4108327.06	7.96E-09	1.45E-08	7.97E-10	2.33E-08	1.24E-09	2.38E-09	1.20E-10	3.73E-09	1.20E-09	2.05E-09	1.52E-10	3.40E-09	6.82E-10	1.13E-09	3.74E-11	1.85E-09
3355	741003.49	4108319.42	7.86E-09	1.43E-08	7.86E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.68E-09	1.19E-09	2.02E-09	1.50E-10	3.35E-09	6.73E-10	1.11E-09	3.69E-11	1.82E-09
3356	741046.76	4108311.79	7.79E-09	1.42E-08	7.80E-10	2.28E-08	1.21E-09	2.33E-09	1.17E-10	3.65E-09	1.17E-09	2.00E-09	1.48E-10	3.33E-09	6.68E-10	1.10E-09	3.66E-11	1.81E-09
3357	741090.04	4108304.15	7.77E-09	1.42E-08	7.77E-10	2.27E-08	1.20E-09	2.32E-09	1.17E-10	3.64E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.65E-10	1.10E-09	3.65E-11	1.80E-09
3358	741133.31	4108296.51	7.77E-09	1.42E-08	7.78E-10	2.27E-08	1.21E-09	2.32E-09	1.17E-10	3.64E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.66E-10	1.10E-09	3.65E-11	1.80E-09
3359	741176.59	4108288.87	7.80E-09	1.42E-08	7.81E-10	2.28E-08	1.21E-09	2.33E-09	1.17E-10	3.66E-09	1.18E-09	2.01E-09	1.49E-10	3.33E-09	6.69E-10	1.11E-09	3.67E-11	1.81E-09
3360	741219.86	4108281.23	7.85E-09	1.43E-08	7.85E-10	2.29E-08	1.22E-09	2.35E-09	1.18E-10	3.68E-09	1.18E-09	2.02E-09	1.50E-10	3.35E-09	6.73E-10	1.11E-09	3.69E-11	1.82E-09
3361	741263.14	4108273.59	7.89E-09	1.44E-08	7.90E-10	2.31E-08	1.22E-09	2.36E-09	1.18E-10	3.70E-09	1.19E-09	2.03E-09	1.50E-10	3.37E-09	6.76E-10	1.12E-09	3.71E-11	1.83E-09
3362	741306.41	4108265.96	7.95E-09	1.45E-08	7.95E-10	2.32E-08	1.23E-09	2.37E-09	1.19E-10	3.72E-09	1.20E-09	2.04E-09	1.51E-10	3.39E-09	6.81E-10	1.13E-09	3.73E-11	1.84E-09
3363	741349.69	4108258.32	8.00E-09	1.46E-08	8.01E-10	2.34E-08	1.24E-09	2.39E-09	1.20E-10	3.75E-09	1.21E-09	2.06E-09	1.52E-10	3.42E-09	6.86E-10	1.13E-09	3.76E-11	1.86E-09
3364	741392.96	4108250.68	8.07E-09	1.47E-08	8.08E-10	2.36E-08	1.25E-09	2.41E-09	1.21E-10	3.78E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.92E-10	1.14E-09	3.79E-11	1.87E-09
3365	741436.24	4108243.04	8.16E-09	1.49E-08	8.17E-10	2.39E-08	1.27E-09	2.44E-09	1.22E-10	3.83E-09	1.23E-09	2.10E-09	1.56E-10	3.48E-09	6.99E-10	1.16E-09	3.84E-11	1.89E-09
3366	741479.51	4108235.4	8.27E-09	1.51E-08	8.28E-10	2.42E-08	1.28E-09	2.47E-09	1.24E-10	3.88E-09	1.25E-09	2.13E-09	1.58E-10	3.53E-09	7.09E-10	1.17E-09	3.89E-11	1.92E-09
3367	741522.79	4108227.76	8.40E-09	1.53E-08	8.40E-10	2.45E-08	1.30E-09	2.51E-09	1.26E-10	3.94E-09	1.27E-09	2.16E-09	1.60E-10	3.58E-09	7.19E-10	1.19E-09	3.95E-11	1.95E-09
3368	741566.07	4108220.13	8.53E-09	1.55E-08	8.53E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.19E-09	1.63E-10	3.64E-09	7.31E-10	1.21E-09	4.01E-11	1.98E-09
3369	741609.34	4108212.49	8.65E-09	1.58E-08	8.66E-10	2.53E-08	1.34E-09	2.59E-09	1.30E-10	4.06E-09	1.30E-09	2.22E-09	1.65E-10	3.69E-09	7.42E-10	1.23E-09	4.07E-11	2.01E-09
3370	741652.62	4108204.85	8.77E-09	1.60E-08	8.77E-10	2.56E-08	1.36E-09	2.62E-09	1.32E-10	4.11E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.51E-10	1.24E-09	4.12E-11	2.04E-09
3371	741695.89	4108197.21	8.87E-09	1.62E-08	8.88E-10	2.59E-08	1.38E-09	2.65E-09	1.33E-10	4.16E-09	1.34E-09	2.28E-09	1.69E-10	3.79E-09	7.60E-10	1.26E-09	4.17E-11	2.06E-09
3372	741739.17	4108189.57	8.96E-09	1.63E-08	8.97E-10	2.62E-08	1.39E-09	2.68E-09	1.35E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.83E-09	7.68E-10	1.27E-09	4.21E-11	2.08E-09
3373	741782.44	4108181.93	9.06E-09	1.65E-08	9.07E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.76E-10	1.28E-09	4.26E-11	2.10E-09
3374	741825.72	4108174.3	9.17E-09	1.67E-08	9.18E-10	2.68E-08	1.42E-09	2.74E-09	1.38E-10	4.30E-09	1.38E-09	2.36E-09	1.75E-10	3.92E-09	7.86E-10	1.30E-09	4.31E-11	2.13E-09
3375	741868.99	4108166.66	9.29E-09	1.69E-08	9.30E-10	2.72E-08	1.44E-09	2.78E-09	1.39E-10	4.36E-09	1.40E-09	2.39E-09	1.77E-10	3.97E-09	7.96E-10	1.32E-09	4.37E-11	2.16E-09
3376	741912.27	4108159.02	9.42E-09	1.72E-08	9.42E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.42E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.07E-10	1.34E-09	4.43E-11	2.19E-09
3377	741955.54	4108151.38	9.54E-09	1.74E-08	9.54E-10	2.79E-08	1.48E-09	2.85E-09	1.43E-10	4.47E-09	1.44E-09	2.45E-09	1.82E-10	4.07E-09	8.17E-10	1.35E-09	4.48E-11	2.21E-09
3378	741998.82	4108143.74	9.63E-09	1.75E-08	9.63E-10	2.81E-08	1.49E-09	2.88E-09	1.45E-10	4.51E-09	1.45E-09	2.48E-09	1.83E-10	4.11E-09	8.25E-10	1.37E-09	4.53E-11	2.24E-09

3379	742042.09	4108136.1	9.69E-09	1.77E-08	9.69E-10	2.83E-08	1.50E-09	2.89E-09	1.45E-10	4.54E-09	1.46E-09	2.49E-09	1.85E-10	4.14E-09	8.30E-10	1.37E-09	4.55E-11	2.25E-09
3380	742085.37	4108128.47	9.70E-09	1.77E-08	9.70E-10	2.83E-08	1.50E-09	2.90E-09	1.46E-10	4.55E-09	1.46E-09	2.49E-09	1.85E-10	4.14E-09	8.31E-10	1.37E-09	4.56E-11	2.25E-09
3381	742128.64	4108120.83	9.67E-09	1.76E-08	9.67E-10	2.83E-08	1.50E-09	2.89E-09	1.45E-10	4.53E-09	1.46E-09	2.49E-09	1.84E-10	4.13E-09	8.28E-10	1.37E-09	4.54E-11	2.24E-09
3382	742171.92	4108113.19	9.62E-09	1.75E-08	9.63E-10	2.81E-08	1.49E-09	2.87E-09	1.44E-10	4.51E-09	1.45E-09	2.47E-09	1.83E-10	4.11E-09	8.25E-10	1.36E-09	4.52E-11	2.23E-09
3383	742215.19	4108105.55	9.59E-09	1.75E-08	9.60E-10	2.80E-08	1.49E-09	2.87E-09	1.44E-10	4.50E-09	1.45E-09	2.47E-09	1.83E-10	4.09E-09	8.22E-10	1.36E-09	4.51E-11	2.23E-09
3384	742258.47	4108097.91	9.59E-09	1.75E-08	9.60E-10	2.80E-08	1.49E-09	2.87E-09	1.44E-10	4.50E-09	1.45E-09	2.47E-09	1.83E-10	4.10E-09	8.22E-10	1.36E-09	4.51E-11	2.23E-09
3385	742301.75	4108090.27	9.66E-09	1.76E-08	9.66E-10	2.82E-08	1.50E-09	2.89E-09	1.45E-10	4.53E-09	1.46E-09	2.48E-09	1.84E-10	4.12E-09	8.28E-10	1.37E-09	4.54E-11	2.24E-09
3386	742341.41	4108099.01	9.93E-09	1.81E-08	9.93E-10	2.90E-08	1.54E-09	2.97E-09	1.49E-10	4.65E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.51E-10	1.41E-09	4.66E-11	2.30E-09
3387	742377.47	4108124.13	1.04E-08	1.90E-08	1.04E-09	3.04E-08	1.61E-09	3.11E-09	1.56E-10	4.88E-09	1.57E-09	2.68E-09	1.98E-10	4.44E-09	8.92E-10	1.48E-09	4.89E-11	2.42E-09
3388	742413.53	4108149.25	1.10E-08	2.00E-08	1.10E-09	3.20E-08	1.70E-09	3.28E-09	1.65E-10	5.14E-09	1.65E-09	2.82E-09	2.09E-10	4.68E-09	9.39E-10	1.55E-09	5.15E-11	2.55E-09
3389	742449.59	4108174.36	1.16E-08	2.10E-08	1.16E-09	3.38E-08	1.79E-09	3.45E-09	1.73E-10	5.42E-09	1.74E-09	2.97E-09	2.20E-10	4.93E-09	9.90E-10	1.64E-09	5.43E-11	2.68E-09
3390	742485.65	4108199.48	1.21E-08	2.21E-08	1.21E-09	3.54E-08	1.88E-09	3.62E-09	1.82E-10	5.68E-09	1.83E-09	3.12E-09	2.31E-10	5.17E-09	1.04E-09	1.72E-09	5.70E-11	2.81E-09
3391	742521.71	4108224.6	1.26E-08	2.30E-08	1.26E-09	3.69E-08	1.96E-09	3.77E-09	1.89E-10	5.91E-09	1.90E-09	3.24E-09	2.40E-10	5.38E-09	1.08E-09	1.79E-09	5.93E-11	2.93E-09
3392	742557.77	4108249.71	1.30E-08	2.37E-08	1.30E-09	3.80E-08	2.02E-09	3.88E-09	1.95E-10	6.09E-09	1.96E-09	3.34E-09	2.48E-10	5.55E-09	1.11E-09	1.84E-09	6.11E-11	3.02E-09
3393	742593.83	4108274.83	1.33E-08	2.41E-08	1.33E-09	3.87E-08	2.06E-09	3.96E-09	1.99E-10	6.21E-09	2.00E-09	3.41E-09	2.53E-10	5.66E-09	1.14E-09	1.88E-09	6.23E-11	3.08E-09
3394	742629.89	4108299.94	1.34E-08	2.44E-08	1.34E-09	3.92E-08	2.08E-09	4.00E-09	2.01E-10	6.28E-09	2.02E-09	3.45E-09	2.55E-10	5.72E-09	1.15E-09	1.90E-09	6.30E-11	3.11E-09
3395	742665.95	4108325.06	1.35E-08	2.46E-08	1.35E-09	3.94E-08	2.09E-09	4.03E-09	2.03E-10	6.33E-09	2.04E-09	3.47E-09	2.57E-10	5.76E-09	1.16E-09	1.91E-09	6.34E-11	3.13E-09
3396	742702	4108350.18	1.36E-08	2.48E-08	1.36E-09	3.97E-08	2.11E-09	4.06E-09	2.04E-10	6.37E-09	2.05E-09	3.49E-09	2.59E-10	5.80E-09	1.16E-09	1.93E-09	6.39E-11	3.16E-09
3397	742738.06	4108375.29	1.37E-08	2.51E-08	1.38E-09	4.02E-08	2.13E-09	4.11E-09	2.06E-10	6.45E-09	2.07E-09	3.53E-09	2.62E-10	5.87E-09	1.18E-09	1.95E-09	6.46E-11	3.19E-09
3398	742774.12	4108400.41	1.40E-08	2.55E-08	1.40E-09	4.09E-08	2.17E-09	4.18E-09	2.10E-10	6.56E-09	2.11E-09	3.60E-09	2.66E-10	5.97E-09	1.20E-09	1.98E-09	6.57E-11	3.25E-09
3399	742810.18	4108425.53	1.43E-08	2.61E-08	1.44E-09	4.19E-08	2.22E-09	4.28E-09	2.15E-10	6.72E-09	2.16E-09	3.69E-09	2.73E-10	6.12E-09	1.23E-09	2.03E-09	6.74E-11	3.33E-09
3400	742846.24	4108450.64	1.48E-08	2.70E-08	1.48E-09	4.33E-08	2.30E-09	4.43E-09	2.22E-10	6.95E-09	2.23E-09	3.81E-09	2.82E-10	6.33E-09	1.27E-09	2.10E-09	6.96E-11	3.44E-09
3401	742882.3	4108475.76	1.54E-08	2.81E-08	1.54E-09	4.51E-08	2.39E-09	4.61E-09	2.32E-10	7.24E-09	2.33E-09	3.97E-09	2.94E-10	6.59E-09	1.32E-09	2.19E-09	7.25E-11	3.58E-09
3402	742918.36	4108500.88	1.62E-08	2.95E-08	1.62E-09	4.73E-08	2.51E-09	4.84E-09	2.43E-10	7.59E-09	2.44E-09	4.16E-09	3.09E-10	6.92E-09	1.39E-09	2.30E-09	7.61E-11	3.76E-09
3403	742954.42	4108525.99	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.65E-09	5.11E-09	2.57E-10	8.02E-09	2.58E-09	4.40E-09	3.26E-10	7.30E-09	1.47E-09	2.43E-09	8.04E-11	3.97E-09
3404	742990.48	4108551.11	1.81E-08	3.31E-08	1.82E-09	5.30E-08	2.81E-09	5.42E-09	2.72E-10	8.51E-09	2.74E-09	4.67E-09	3.46E-10	7.75E-09	1.56E-09	2.57E-09	8.53E-11	4.21E-09
3405	743026.54	4108576.22	1.93E-08	3.52E-08	1.93E-09	5.64E-08	2.99E-09	5.77E-09	2.90E-10	9.05E-09	2.91E-09	4.96E-09	3.68E-10	8.24E-09	1.65E-09	2.74E-09	9.07E-11	4.48E-09
3406	743062.6	4108601.34	2.06E-08	3.75E-08	2.06E-09	6.01E-08	3.19E-09	6.14E-09	3.09E-10	9.64E-09	3.10E-09	5.28E-09	3.92E-10	8.78E-09	1.76E-09	2.91E-09	9.66E-11	4.77E-09
3407	743098.66	4108626.46	2.19E-08	3.99E-08	2.19E-09	6.39E-08	3.39E-09	6.53E-09	3.28E-10	1.03E-08	3.30E-09	5.62E-09	4.17E-10	9.34E-09	1.87E-09	3.10E-09	1.03E-10	5.08E-09
3408	743134.72	4108651.57	2.32E-08	4.23E-08	2.32E-09	6.78E-08	3.60E-09	6.93E-09	3.48E-10	1.09E-08	3.50E-09	5.96E-09	4.42E-10	9.90E-09	1.99E-09	3.29E-09	1.09E-10	5.38E-09
3409	743170.77	4108676.69	2.44E-08	4.45E-08	2.45E-09	7.14E-08	3.79E-09	7.30E-09	3.67E-10	1.15E-08	3.69E-09	6.28E-09	4.66E-10	1.04E-08	2.09E-09	3.46E-09	1.15E-10	5.67E-09
3410	743206.83	4108701.81	2.56E-08	4.66E-08	2.56E-09	7.47E-08	3.96E-09	7.63E-09	3.84E-10	1.20E-08	3.85E-09	6.57E-09	4.87E-10	1.09E-08	2.19E-09	3.62E-09	1.20E-10	5.93E-09
3411	743242.89	4108726.92	2.65E-08	4.82E-08	2.65E-09	7.74E-08	4.11E-09	7.91E-09	3.97E-10	1.24E-08	3.99E-09	6.81E-09	5.04E-10	1.13E-08	2.27E-09	3.75E-09	1.24E-10	6.15E-09
3412	743278.95	4108752.04	2.72E-08	4.96E-08	2.72E-09	7.95E-08	4.22E-09	8.13E-09	4.08E-10	1.28E-08	4.10E-09	6.99E-09	5.18E-10	1.16E-08	2.33E-09	3.86E-09	1.28E-10	6.32E-09
3413	743315.01	4108777.16	2.78E-08	5.06E-08	2.78E-09	8.11E-08	4.31E-09	8.29E-09	4.17E-10	1.30E-08	4.19E-09	7.14E-09	5.29E-10	1.19E-08	2.38E-09	3.94E-09	1.30E-10	6.45E-09
3414	743351.07	4108802.27	2.82E-08	5.14E-08	2.82E-09	8.25E-08	4.38E-09	8.43E-09	4.24E-10	1.32E-08	4.26E-09	7.25E-09	5.38E-10	1.20E-08	2.42E-09	4.00E-09	1.33E-10	6.55E-09
3415	743387.13	4108827.39	2.87E-08	5.22E-08	2.87E-09	8.38E-08	4.45E-09	8.56E-09	4.30E-10	1.34E-08	4.32E-09	7.37E-09	5.46E-10	1.22E-08	2.46E-09	4.06E-09	1.35E-10	6.66E-09
3416	743423.19	4108852.5	2.92E-08	5.31E-08	2.92E-09	8.52E-08	4.52E-09	8.71E-09	4.38E-10	1.37E-08	4.40E-09	7.50E-09	5.56E-10	1.24E-08	2.50E-09	4.13E-09	1.37E-10	6.77E-09
3417	743459.25	4108877.62	2.97E-08	5.40E-08	2.97E-09	8.66E-08	4.60E-09	8.86E-09	4.45E-10	1.39E-08	4.47E-09	7.62E-09	5.65E-10	1.27E-08	2.54E-09	4.20E-09	1.39E-10	6.88E-09
3418	740876.48	4108350.48	8.31E-09	1.51E-08	8.31E-10	2.43E-08	1.29E-09	2.48E-09	1.25E-10	3.90E-09	1.25E-09	2.14E-09	1.58E-10	3.55E-09	7.12E-10	1.18E-09	3.90E-11	1.93E-09
3419	740838.86	4108374.4	8.58E-09	1.56E-08	8.58E-10	2.51E-08	1.33E-09	2.56E-09	1.29E-10	4.02E-09	1.29E-09	2.21E-09	1.63E-10	3.66E-09	7.35E-10	1.22E-09	4.03E-11	1.99E-09
3420	740801.23	4108398.32	8.81E-09	1.60E-08	8.81E-10	2.57E-08	1.37E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.26E-09	1.68E-10	3.76E-09	7.55E-10	1.25E-09	4.14E-11	2.04E-09
3421	740746.36	4107989.37	5.92E-09	1.08E-08	5.92E-10	1.73E-08	9.18E-10	1.77E-09	8.89E-11	2.78E-09	8.93E-10	1.52E-09	1.13E-10	2.53E-09	5.07E-10	8.40E-10	2.78E-11	1.37E-09
3422	740790.12	4107981.64	5.83E-09	1.06E-08	5.83E-10	1.70E-08	9.04E-10	1.74E-09	8.75E-11	2.73E-09	8.79E-10	1.50E-09	1.11E-10	2.49E-09	4.99E-10	8.26E-10	2.74E-11	1.35E-09
3423	740833.89	4107973.92	5.76E-09	1.05E-08	5.77E-10	1.68E-08	8.94E-10	1.72E-09	8.65E-11	2.70E-09	8.69E-10	1.48E-09	1.10E-10	2.46E-09	4.94E-10	8.17E-10	2.71E-11	1.34E-09
3424	740877.65	4107966.19	5.74E-09	1.05E-08	5.74E-10	1.68E-08	8.90E-10	1.71E-09	8.61E-11	2.69E-09	8.65E-10	1.48E-09	1.09E-10	2.45E-09	4.92E-10	8.14E-10	2.70E-11	1.33E-09
3425	740921.42	4107958.47	5.75E-09	1.05E-08	5.75E-10	1.68E-08	8.91E-10	1.72E-09	8.62E-11	2.69E-09	8.66E-10	1.48E-09	1.09E-10	2.45E-09	4.92E-10	8.15E-10	2.70E-11	1.33E-09
3426	740965.18	4107950.74	5.78E-09	1.05E-08	5.78E-10	1.69E-08	8.96E-10	1.73E-09	8.67E-11	2.71E-09	8.71E-10	1.49E-09	1.10E-10	2.47E-09	4.95E-10	8.19E-10	2.72E-11	1.34E-09
3427	741008.95	4107943.02	5.83E-09	1.06E-08	5.83E-10	1.70E-08	9.03E-10	1.74E-09	8.74E-11	2.73E-09	8.78E-10	1.50E-09	1.11E-10	2.49E-09	4.99E-10	8.26E-10	2.74E-11	1.35E-09
3428	741052.71	4107935.29	5.88E-09	1.07E-08	5.88E-10	1.72E-08	9.12E-10	1.76E-09	8.82E-11	2.76E-09	8.87E-10	1.51E-09	1.12E-10	2.51E-09	5.04E-10	8.34E-10	2.76E-11	1.37E-09
3429	741096.48	4107927.57	5.93E-09	1.08E-08	5.93E-10	1.73E-08	9.19E-10	1.77E-09	8.89E-11	2.78E-09	8.94E-10	1.52E-09	1.13E-10	2.53E-09	5.08E-10	8.40E-10	2.78E-11	1.38E-09
3430	741140.24	4107919.84	5.96E-09	1.09E-08	5.97E-10	1.74E-08	9.25E-10	1.78E-09	8.95E-11	2.80E-09	8.99E-10	1.53E-09	1.14E-10	2.55E-09	5.11E-10	8.45E-10	2.80E-11	1.38E-09
3431	741184.01	4107912.12	5.99E-09	1.09E-08	6.00E-10	1.75E-08	9.29E-10	1.79E-09	8.99E-11	2.81E-09	9.04E-10	1.54E-09	1.14E-10	2.56E-09	5.13E-10	8.50E-10	2.82E-11	1.39E-09
3432	741227.78	4107904.39	6.01E-09	1.10E-08	6.02E-10	1.76E-08	9.33E-10	1.80E-09	9.03E-11	2.82E-09	9.07E-10	1.55E-09	1.15E-10	2.57E-09	5.15E-10	8.53E-10	2.83E-11	1.40E-09
3433	741271.54	4107896.67	6.04E-09	1.10E-08	6.04E-10	1.77E-08	9.37E-10	1.80E-09	9.07E-11	2.83E-09	9.11E-10	1.55E-09	1.15E-10	2.58E-09	5.18E-10	8.56E-10	2.84E-11	1.40E-09
3434	741315.31	4107888.94	6.08E-09	1.11E-08	6.08E-10	1.78E-08	9.43E-10	1.82E-09	9.12E-11	2.85E-09	9.17E-10	1.56E-09	1.16E-10	2.60E-09	5.21E-10	8.62E-10	2.86E-11	1.41E-09
3435	741359.07	4107881.22	6.14E-09	1.12E-08	6.14E-10	1.79E-08	9.52E-10	1.83E-09	9.21E-11	2.88E-09	9.26E-10	1.58E-09	1.17E-10	2.62E-09	5.26E-10	8.70E-10	2.88E-11	1.43E-09
3436	741402.84	4107873.49	6.22E-09	1.13E-08	6.22E-10	1.82E-08	9.65E-10	1.86E-09	9.34E-11	2.92E-09	9.38E-10	1.60E-09	1.19E-10	2.66E-09	5.33E-10	8.82E-10	2.92E-11	1.44E-09
3437	741446.6	4107865.77	6.32E-09	1.15E-08	6.32E-10	1.85E-08	9.80E-10	1.89E-09	9.48E-11	2.96E-09	9.53E-10	1.62E-09	1.20E-10	2.70E-09	5.42E-10	8.96E-10	2.97E-11	1.47E-09
3438	741490.37	4107858.04	6.43E-09	1.17E-08	6.43E-10	1.88E-08	9.97E-10	1.92E-09	9.64E-11	3.01E-09	9.69E-10	1.65E-09	1.22E-10	2.74E-09	5.51E-10	9.11E-10	3.02E-11	1.49E-09
3439	741534.13	4107850.32	6.53E-09	1.19E-08	6.53E-10	1.91E-08	1.01E-09	1.95E-09	9.80E-11	3.06E-09	9.84E-10	1.68E-09	1.24E-10	2.79E-09	5.59E-10	9.26E-10	3.07E-11	1.52E-09
3440	741577.9	4107842.59	6.62E-09	1.21E-08	6.62E-10	1.93E-08	1.03E-09	1.98E-09	9.93E-11	3.10E-09	9.98E-10	1.70E-09	1.26E-10	2.83E-09	5.67E-10	9.38E-10	3.11E-11	1.54E-09
3441	741621.66	4107834.87	6.69E-09	1.22E-08	6.70E-10	1.96E-08	1.04E-09	2.00E-09	1.00E-10	3.14E-09	1.01E-09	1.72E-09	1.28E-10	2.86E-09	5.73E-10	9.49E-10	3.15E-11	1.55E-09
3442	741665.43	4107827.14	6.75E-09	1.23E-08	6.75E-10	1.97E-08	1.05E-09	2.02E-09	1.01E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.88E-09	5.78E-10	9.57E-10	3.17E-11	1.57E-09
3443	741709.2	4107819.42	6.80E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.02E-09	1.75E-09	1.30E-10	2.90E-09	5.82E-10	9.64E-10	3.19E-11	1.58E-09
3444	741752.96	4107811.7	6.84E-09	1.25E-08	6.85E-10	2.00E-08	1.06E-09	2.04E-09	1.03E-10	3.21E-09	1.03E-09	1.76E-09	1.30E-10	2.92E-09	5.86E-10	9.70E-10	3.22E-11	1.59E-09
3445	741796.73	4107803.97	6.89E-09	1.26E-08	6.90E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.91E-10	9.77E-10	3.24E-11	1.60E-09
3446	741840.49	4107796.25	6.96E-09	1.27E-08	6.96E-10	2.03E-08	1.08E-09	2.08E-09	1.04E-10	3.26E-09	1.05E-09	1.79E-09	1.33E-10	2.97E-09	5.96E-10	9.87E-10	3.27E-11	1.62E-09
3447	741884.26	4107788.52	7.04E-09	1.28E-08	7.05E-10	2.06E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.01E-09	6.03E-10	9.98E-10	3.31E-11	1.63E-09
3448	741928.02	4107780.8	7.13E-09	1.30E-08	7.13E-10	2.08E-08	1.11E-09	2.13E-09	1.07E-10	3.34E-09	1.08E-09	1.83E-09	1.36E-10	3.04E-09	6.11E-10	1.01E-09	3.35E-11	1.66E-09
3449	741971.79	4107773.07	7.21E-09	1.31E-08	7.22E-10	2.11E-08	1.12E-09	2.16E-09	1.08E-10	3.38E-09	1.09E-09	1.85E-09	1.37E-10	3.08E-09	6.18E-10	1.02E-09	3.39E-11	1.68E-09
3450	742015.55	4107765.35	7.28E-09	1.33E-08	7.29E-10	2.13E-08	1.13E-09	2.18E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.24E-10	1.03E-09	3.42E-11	1.69E-09
3451	742059.32	4107757.62	7.32E-09	1.33E-08	7.33E-10	2.14E-08	1.14E-09	2.19E-09	1.10E-10	3.43E-09	1.10E-09	1.88E-09	1.40E-10	3.13E-09	6.27E-10	1.04E-09	3.44E-11	1.70E-09
3452	742103.08	4107749.9	7.33E-09	1.33E-08	7.33E-10	2.14E-08	1.14E-09	2.19E-09	1.10E-10	3.43E-09	1.10E-09	1.88E-09	1.40E-10	3.13E-09	6.28E-10	1.04E-09	3.44E-11	1.70E-09
3453	742146.85	4107742.17	7.30E-09	1.33E-08	7.30E-10	2.13E-08	1.13E-09	2.18E-09	1.10E-10	3.42E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.25E-10	1.03E-09	3.43E-11	1.69E-09
3454	742190.62	4107734.45	7.24E-09	1.32E-08	7.25E-10	2.12E-08	1.12E-09	2.16E-09	1.09E-10	3.40E-09	1.09E-09	1.86E-09	1.38E-10	3.09E-09	6.21E-10	1.03E-09	3.40E-11	1.68E-09
3455	742234.38	4107726.72	7.18E-09	1.31E-08	7.19E-10	2.10E-08	1.11E-09	2.15E-09	1.08E-10	3.37E-09	1.08E-09	1.85E-09	1.37E-10	3.07E-09	6.15E-10	1.02E-09	3.38E-11	1.67E-09
3456	742278.15	4107719	7.13E-09	1.30E-08	7.14E-10	2.08E-08	1.11E-09	2.13E-09	1.07E-10	3.35E-09	1.08E-09	1.83E-09	1.36E-10	3.05E-09	6.11E-10	1.01E-09	3.35E-11	1.66E-09
3457	742321.91	4107711.27	7.12E-09	1.30E-08	7.12E-10	2.08E-08	1.10E-09	2.13E-09	1.07E-10	3.34E-09	1.07E-09	1.83E-09	1.36E-10	3.04E-09	6.10E-10	1.01E-09	3.34E-11	1.65E-09
3458	742365.68	4107703.55	7.15E-09	1.30E-08	7.15E-10	2.09E-08	1.11E-09	2.13E-09	1.07E-10	3.35E-09	1.08E-09	1.84E-09	1.36E-10	3.05E-09	6.12E-10	1.01E-09	3.36E-11	1.66E-09
3459	742427.68	4107708.52	7.38E-09	1.34E-08	7.38E-10	2.16E-08	1.14E-09	2.20E-09	1.11E-10	3.46E-09	1.11E-09	1.90E-09	1.41E-10	3.15E-09	6.32E-10	1.05E-09	3.47E-11	1.71E-09
3460	742464.14	4107733.92	7.72E-09	1.41E-08	7.72E-10	2.25E-08	1.20E-09	2.30E-09	1.16E-10	3.62E-09	1.16E-09	1.98E-09	1.47E-10	3.29E-09	6.61E-10	1.09E-09	3.63E-11	1.79E-09
3461	742500.61	4107759.33	8.10E-09	1.48E-08	8.11E-10	2.37E-08	1.26E-09	2.42E-09	1.22E-10	3.80E-09	1.22E-09	2.08E-09	1.54E-10	3.46E-09	6.94E-10	1.15E-09	3.81E-11	1.88E-09
3462	742537.08	4107784.73	8.52E-09	1.55E-08	8.52E-10	2.49E-08	1.32E-09	2.54E-09	1.28E-10	3.99E-09	1.28E-09	2.19E-09	1.62E-10	3.64E-09	7.30E-10	1.21E-09	4.00E-11	1.98E-09
3463	742573.55	4107810.13	8.93E-09	1.63E-08	8.93E-10	2.61E-08	1.38E-09	2.67E-09	1.34E-10	4.19E-09	1.35E-09	2.30E-09	1.70E-10	3.81E-09	7.65E-10	1.27E-09	4.20E-11	2.07E-09
3464	742610.01	4107835.53	9.30E-09	1.70E-08	9.31E-10	2.72E-08	1.44E-09	2.78E-09	1.40E-10	4.36E-09	1.40E-09	2.39E-09	1.77E-10	3.97E-09	7.97E-10	1.32E-09	4.37E-11	2.16E-09
3465	742646.48	4107860.93	9.60E-09	1.75E-08	9.61E-10	2.81E-08	1.49E-09	2.87E-09	1.44E-10	4.50E-09	1.45E-09	2.47E-09	1.83E-10	4.10E-09	8.23E-10	1.36E-09	4.51E-11	2.23E-09
3466	742682.95	4107886.33	9.81E-09	1.79E-08	9.82E-10	2.87E-08	1.52E-09	2.93E-09	1.47E-10	4.60E-09	1.48E-09	2.52E-09	1.87E-10	4.19E-09	8.41E-10	1.39E-09	4.61E-11	2.28E-09
3467	742719.42	4107911.73	9.92E-09	1.81E-08	9.93E-10	2.90E-08	1.54E-09	2.96E-09	1.49E-10	4.65E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.50E-10	1.41E-09	4.66E-11	2.30E-09

3468	742755.89	4107937.13	9.96E-09	1.81E-08	9.96E-10	2.91E-08	1.54E-09	2.97E-09	1.49E-10	4.67E-09	1.50E-09	2.56E-09	1.90E-10	4.25E-09	8.53E-10	1.41E-09	4.68E-11	2.31E-09
3469	742792.35	4107962.53	9.94E-09	1.81E-08	9.95E-10	2.91E-08	1.54E-09	2.97E-09	1.49E-10	4.66E-09	1.50E-09	2.56E-09	1.89E-10	4.25E-09	8.52E-10	1.41E-09	4.67E-11	2.31E-09
3470	742828.82	4107987.93	9.93E-09	1.81E-08	9.94E-10	2.90E-08	1.54E-09	2.97E-09	1.49E-10	4.66E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.51E-10	1.41E-09	4.67E-11	2.31E-09
3471	742865.29	4108013.33	9.96E-09	1.82E-08	9.97E-10	2.91E-08	1.54E-09	2.98E-09	1.49E-10	4.67E-09	1.50E-09	2.56E-09	1.90E-10	4.25E-09	8.54E-10	1.41E-09	4.68E-11	2.31E-09
3472	742901.76	4108038.73	1.01E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.01E-09	1.51E-10	4.72E-09	1.52E-09	2.59E-09	1.92E-10	4.29E-09	8.62E-10	1.43E-09	4.73E-11	2.34E-09
3473	742938.22	4108064.13	1.02E-08	1.87E-08	1.02E-09	2.99E-08	1.59E-09	3.06E-09	1.54E-10	4.80E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.77E-10	1.45E-09	4.81E-11	2.38E-09
3474	742974.69	4108089.54	1.05E-08	1.91E-08	1.05E-09	3.07E-08	1.63E-09	3.14E-09	1.58E-10	4.92E-09	1.58E-09	2.70E-09	2.00E-10	4.48E-09	8.99E-10	1.49E-09	4.93E-11	2.44E-09
3475	743011.16	4108114.94	1.08E-08	1.97E-08	1.08E-09	3.16E-08	1.68E-09	3.23E-09	1.62E-10	5.07E-09	1.63E-09	2.78E-09	2.06E-10	4.62E-09	9.26E-10	1.53E-09	5.08E-11	2.51E-09
3476	743047.63	4108140.34	1.12E-08	2.04E-08	1.12E-09	3.27E-08	1.74E-09	3.34E-09	1.68E-10	5.25E-09	1.69E-09	2.88E-09	2.13E-10	4.78E-09	9.59E-10	1.59E-09	5.26E-11	2.60E-09
3477	743084.09	4108165.74	1.16E-08	2.12E-08	1.16E-09	3.40E-08	1.80E-09	3.47E-09	1.74E-10	5.45E-09	1.75E-09	2.99E-09	2.22E-10	4.96E-09	9.96E-10	1.65E-09	5.46E-11	2.70E-09
3478	743120.56	4108191.14	1.21E-08	2.21E-08	1.21E-09	3.55E-08	1.88E-09	3.62E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.70E-11	2.82E-09
3479	743157.03	4108216.54	1.27E-08	2.31E-08	1.27E-09	3.71E-08	1.97E-09	3.79E-09	1.91E-10	5.95E-09	1.91E-09	3.26E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.97E-11	2.95E-09
3480	743193.5	4108241.94	1.33E-08	2.43E-08	1.33E-09	3.89E-08	2.07E-09	3.98E-09	2.00E-10	6.25E-09	2.01E-09	3.43E-09	2.54E-10	5.69E-09	1.14E-09	1.89E-09	6.26E-11	3.09E-09
3481	743229.96	4108267.34	1.40E-08	2.55E-08	1.40E-09	4.10E-08	2.17E-09	4.19E-09	2.10E-10	6.57E-09	2.11E-09	3.60E-09	2.67E-10	5.98E-09	1.20E-09	1.99E-09	6.59E-11	3.25E-09
3482	743266.43	4108292.74	1.47E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.41E-09	2.21E-10	6.91E-09	2.22E-09	3.79E-09	2.81E-10	6.30E-09	1.26E-09	2.09E-09	6.93E-11	3.42E-09
3483	743302.9	4108318.14	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.41E-09	4.63E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.96E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
3484	743339.37	4108343.54	1.63E-08	2.97E-08	1.63E-09	4.76E-08	2.53E-09	4.87E-09	2.45E-10	7.64E-09	2.46E-09	4.19E-09	3.10E-10	6.96E-09	1.40E-09	2.31E-09	7.66E-11	3.78E-09
3485	743375.83	4108368.94	1.71E-08	3.11E-08	1.71E-09	4.99E-08	2.65E-09	5.10E-09	2.56E-10	8.00E-09	2.57E-09	4.39E-09	3.25E-10	7.29E-09	1.46E-09	2.42E-09	8.02E-11	3.96E-09
3486	743412.3	4108394.35	1.78E-08	3.25E-08	1.78E-09	5.21E-08	2.77E-09	5.33E-09	2.68E-10	8.36E-09	2.69E-09	4.58E-09	3.40E-10	7.61E-09	1.53E-09	2.53E-09	8.38E-11	4.14E-09
3487	743448.77	4108419.75	1.85E-08	3.37E-08	1.85E-09	5.41E-08	2.87E-09	5.53E-09	2.78E-10	8.68E-09	2.79E-09	4.76E-09	3.53E-10	7.90E-09	1.59E-09	2.63E-09	8.70E-11	4.30E-09
3488	743485.24	4108445.15	1.91E-08	3.48E-08	1.91E-09	5.58E-08	2.96E-09	5.70E-09	2.87E-10	8.95E-09	2.88E-09	4.91E-09	3.64E-10	8.15E-09	1.64E-09	2.71E-09	8.97E-11	4.43E-09
3489	743521.7	4108470.55	1.95E-08	3.56E-08	1.95E-09	5.71E-08	3.03E-09	5.84E-09	2.93E-10	9.16E-09	2.95E-09	5.02E-09	3.72E-10	8.34E-09	1.67E-09	2.77E-09	9.18E-11	4.54E-09
3490	743558.17	4108495.95	1.99E-08	3.62E-08	1.99E-09	5.80E-08	3.08E-09	5.93E-09	2.98E-10	9.31E-09	2.99E-09	5.10E-09	3.78E-10	8.48E-09	1.70E-09	2.82E-09	9.33E-11	4.61E-09
3491	743594.64	4108521.35	2.01E-08	3.66E-08	2.01E-09	5.87E-08	3.12E-09	6.00E-09	3.02E-10	9.42E-09	3.03E-09	5.16E-09	3.83E-10	8.58E-09	1.72E-09	2.85E-09	9.44E-11	4.66E-09
3492	743631.11	4108546.75	2.03E-08	3.70E-08	2.03E-09	5.93E-08	3.15E-09	6.06E-09	3.05E-10	9.52E-09	3.06E-09	5.22E-09	3.87E-10	8.66E-09	1.74E-09	2.88E-09	9.54E-11	4.71E-09
3493	743667.57	4108572.15	2.05E-08	3.74E-08	2.06E-09	6.00E-08	3.19E-09	6.14E-09	3.08E-10	9.63E-09	3.10E-09	5.28E-09	3.91E-10	8.77E-09	1.76E-09	2.91E-09	9.65E-11	4.77E-09
3494	743704.04	4108597.55	2.08E-08	3.80E-08	2.09E-09	6.09E-08	3.23E-09	6.23E-09	3.13E-10	9.77E-09	3.14E-09	5.36E-09	3.97E-10	8.90E-09	1.79E-09	2.96E-09	9.80E-11	4.84E-09
3495	743740.51	4108622.95	2.12E-08	3.87E-08	2.12E-09	6.20E-08	3.29E-09	6.34E-09	3.18E-10	9.94E-09	3.20E-09	5.45E-09	4.04E-10	9.06E-09	1.82E-09	3.01E-09	9.97E-11	4.92E-09
3496	743776.98	4108648.35	2.16E-08	3.93E-08	2.16E-09	6.30E-08	3.35E-09	6.45E-09	3.24E-10	1.01E-08	3.25E-09	5.55E-09	4.11E-10	9.21E-09	1.85E-09	3.06E-09	1.01E-10	5.01E-09
3497	743813.45	4108673.75	2.19E-08	3.99E-08	2.19E-09	6.39E-08	3.39E-09	6.53E-09	3.28E-10	1.03E-08	3.30E-09	5.62E-09	4.17E-10	9.34E-09	1.87E-09	3.10E-09	1.03E-10	5.08E-09
3498	740661.89	4108012.91	6.20E-09	1.13E-08	6.20E-10	1.81E-08	9.61E-10	1.85E-09	9.30E-11	2.91E-09	9.34E-10	1.59E-09	1.18E-10	2.65E-09	5.31E-10	8.79E-10	2.91E-11	1.44E-09
3499	740624.27	4108036.83	6.39E-09	1.17E-08	6.40E-10	1.87E-08	9.91E-10	1.91E-09	9.60E-11	3.00E-09	9.64E-10	1.64E-09	1.22E-10	2.73E-09	5.48E-10	9.07E-10	3.00E-11	1.48E-09
3500	740586.64	4108060.75	6.57E-09	1.20E-08	6.57E-10	1.92E-08	1.02E-09	1.96E-09	9.86E-11	3.08E-09	9.91E-10	1.69E-09	1.25E-10	2.80E-09	5.63E-10	9.31E-10	3.09E-11	1.53E-09
3501	740531.58	4107651.83	4.63E-09	8.44E-09	4.63E-10	1.35E-08	7.18E-10	1.38E-09	6.95E-11	2.17E-09	6.98E-10	1.19E-09	8.82E-11	1.98E-09	3.97E-10	6.56E-10	2.18E-11	1.07E-09
3502	740575.22	4107644.13	4.55E-09	8.29E-09	4.55E-10	1.33E-08	7.05E-10	1.36E-09	6.83E-11	2.13E-09	6.86E-10	1.17E-09	8.67E-11	1.94E-09	3.90E-10	6.45E-10	2.14E-11	1.06E-09
3503	740618.87	4107636.43	4.49E-09	8.18E-09	4.49E-10	1.31E-08	6.96E-10	1.34E-09	6.74E-11	2.11E-09	6.77E-10	1.15E-09	8.56E-11	1.92E-09	3.85E-10	6.37E-10	2.11E-11	1.04E-09
3504	740662.51	4107628.72	4.46E-09	8.13E-09	4.46E-10	1.30E-08	6.92E-10	1.33E-09	6.69E-11	2.09E-09	6.73E-10	1.15E-09	8.50E-11	1.90E-09	3.82E-10	6.32E-10	2.10E-11	1.04E-09
3505	740706.15	4107621.02	4.46E-09	8.12E-09	4.46E-10	1.30E-08	6.91E-10	1.33E-09	6.69E-11	2.09E-09	6.72E-10	1.15E-09	8.50E-11	1.90E-09	3.82E-10	6.32E-10	2.10E-11	1.04E-09
3506	740749.8	4107613.32	4.48E-09	8.17E-09	4.48E-10	1.31E-08	6.95E-10	1.34E-09	6.73E-11	2.10E-09	6.76E-10	1.15E-09	8.54E-11	1.91E-09	3.84E-10	6.35E-10	2.11E-11	1.04E-09
3507	740793.44	4107605.61	4.53E-09	8.25E-09	4.53E-10	1.32E-08	7.02E-10	1.35E-09	6.79E-11	2.12E-09	6.82E-10	1.16E-09	8.62E-11	1.93E-09	3.88E-10	6.42E-10	2.13E-11	1.05E-09
3508	740837.08	4107597.91	4.58E-09	8.35E-09	4.59E-10	1.34E-08	7.11E-10	1.37E-09	6.88E-11	2.15E-09	6.91E-10	1.18E-09	8.73E-11	1.96E-09	3.93E-10	6.50E-10	2.15E-11	1.06E-09
3509	740880.72	4107590.21	4.64E-09	8.45E-09	4.64E-10	1.36E-08	7.19E-10	1.39E-09	6.96E-11	2.17E-09	6.99E-10	1.19E-09	8.84E-11	1.98E-09	3.97E-10	6.58E-10	2.18E-11	1.08E-09
3510	740924.37	4107582.5	4.69E-09	8.54E-09	4.69E-10	1.37E-08	7.27E-10	1.40E-09	7.03E-11	2.20E-09	7.07E-10	1.20E-09	8.93E-11	2.00E-09	4.01E-10	6.64E-10	2.20E-11	1.09E-09
3511	740968.01	4107574.8	4.72E-09	8.60E-09	4.72E-10	1.38E-08	7.32E-10	1.41E-09	7.08E-11	2.21E-09	7.11E-10	1.21E-09	8.99E-11	2.01E-09	4.04E-10	6.69E-10	2.22E-11	1.10E-09
3512	741011.65	4107567.1	4.74E-09	8.63E-09	4.74E-10	1.38E-08	7.34E-10	1.41E-09	7.11E-11	2.22E-09	7.14E-10	1.22E-09	9.02E-11	2.02E-09	4.06E-10	6.71E-10	2.23E-11	1.10E-09
3513	741055.29	4107559.39	4.74E-09	8.64E-09	4.74E-10	1.39E-08	7.35E-10	1.42E-09	7.11E-11	2.22E-09	7.15E-10	1.22E-09	9.03E-11	2.02E-09	4.06E-10	6.72E-10	2.23E-11	1.10E-09
3514	741098.94	4107551.69	4.74E-09	8.63E-09	4.74E-10	1.38E-08	7.35E-10	1.42E-09	7.11E-11	2.22E-09	7.14E-10	1.22E-09	9.03E-11	2.02E-09	4.06E-10	6.72E-10	2.23E-11	1.10E-09
3515	741142.58	4107543.99	4.74E-09	8.63E-09	4.74E-10	1.38E-08	7.34E-10	1.41E-09	7.11E-11	2.22E-09	7.14E-10	1.22E-09	9.02E-11	2.02E-09	4.06E-10	6.71E-10	2.23E-11	1.10E-09
3516	741186.22	4107536.28	4.75E-09	8.65E-09	4.75E-10	1.39E-08	7.36E-10	1.42E-09	7.12E-11	2.23E-09	7.16E-10	1.22E-09	9.04E-11	2.03E-09	4.07E-10	6.73E-10	2.23E-11	1.10E-09
3517	741229.86	4107528.58	4.77E-09	8.70E-09	4.78E-10	1.39E-08	7.40E-10	1.43E-09	7.16E-11	2.24E-09	7.20E-10	1.23E-09	9.09E-11	2.04E-09	4.09E-10	6.77E-10	2.24E-11	1.11E-09
3518	741273.51	4107520.88	4.82E-09	8.78E-09	4.82E-10	1.41E-08	7.47E-10	1.44E-09	7.23E-11	2.26E-09	7.27E-10	1.24E-09	9.18E-11	2.06E-09	4.13E-10	6.83E-10	2.27E-11	1.12E-09
3519	741317.15	4107513.18	4.89E-09	8.91E-09	4.89E-10	1.43E-08	7.58E-10	1.46E-09	7.33E-11	2.29E-09	7.37E-10	1.26E-09	9.31E-11	2.09E-09	4.19E-10	6.93E-10	2.30E-11	1.13E-09
3520	741360.79	4107505.47	4.97E-09	9.06E-09	4.97E-10	1.45E-08	7.71E-10	1.49E-09	7.46E-11	2.33E-09	7.50E-10	1.28E-09	9.47E-11	2.12E-09	4.26E-10	7.05E-10	2.34E-11	1.15E-09
3521	741404.44	4107497.77	5.06E-09	9.23E-09	5.07E-10	1.48E-08	7.85E-10	1.51E-09	7.60E-11	2.37E-09	7.64E-10	1.30E-09	9.65E-11	2.16E-09	4.34E-10	7.18E-10	2.38E-11	1.18E-09
3522	741448.08	4107490.07	5.16E-09	9.40E-09	5.16E-10	1.51E-08	8.00E-10	1.54E-09	7.74E-11	2.42E-09	7.77E-10	1.33E-09	9.82E-11	2.20E-09	4.42E-10	7.31E-10	2.42E-11	1.20E-09
3523	741491.72	4107482.36	5.23E-09	9.54E-09	5.24E-10	1.53E-08	8.12E-10	1.56E-09	7.86E-11	2.45E-09	7.89E-10	1.35E-09	9.97E-11	2.23E-09	4.48E-10	7.42E-10	2.46E-11	1.22E-09
3524	741535.36	4107474.66	5.30E-09	9.65E-09	5.30E-10	1.55E-08	8.21E-10	1.58E-09	7.95E-11	2.48E-09	7.99E-10	1.36E-09	1.01E-10	2.26E-09	4.54E-10	7.51E-10	2.49E-11	1.23E-09
3525	741579.01	4107466.96	5.34E-09	9.73E-09	5.34E-10	1.56E-08	8.28E-10	1.60E-09	8.01E-11	2.50E-09	8.05E-10	1.37E-09	1.02E-10	2.28E-09	4.58E-10	7.57E-10	2.51E-11	1.24E-09
3526	741622.65	4107459.25	5.37E-09	9.78E-09	5.37E-10	1.57E-08	8.32E-10	1.60E-09	8.05E-11	2.52E-09	8.09E-10	1.38E-09	1.02E-10	2.29E-09	4.60E-10	7.61E-10	2.52E-11	1.25E-09
3527	741666.29	4107451.55	5.38E-09	9.81E-09	5.38E-10	1.57E-08	8.35E-10	1.61E-09	8.08E-11	2.52E-09	8.11E-10	1.38E-09	1.03E-10	2.30E-09	4.61E-10	7.63E-10	2.53E-11	1.25E-09
3528	741709.93	4107443.85	5.39E-09	9.83E-09	5.40E-10	1.58E-08	8.37E-10	1.61E-09	8.10E-11	2.53E-09	8.13E-10	1.39E-09	1.03E-10	2.30E-09	4.62E-10	7.65E-10	2.54E-11	1.25E-09
3529	741753.58	4107436.14	5.41E-09	9.86E-09	5.42E-10	1.58E-08	8.40E-10	1.62E-09	8.13E-11	2.54E-09	8.16E-10	1.39E-09	1.03E-10	2.31E-09	4.64E-10	7.68E-10	2.54E-11	1.26E-09
3530	741797.22	4107428.44	5.44E-09	9.92E-09	5.45E-10	1.59E-08	8.44E-10	1.63E-09	8.17E-11	2.55E-09	8.21E-10	1.40E-09	1.04E-10	2.32E-09	4.66E-10	7.72E-10	2.56E-11	1.26E-09
3531	741840.86	4107420.74	5.49E-09	1.00E-08	5.49E-10	1.60E-08	8.52E-10	1.64E-09	8.24E-11	2.57E-09	8.28E-10	1.41E-09	1.05E-10	2.34E-09	4.71E-10	7.79E-10	2.58E-11	1.28E-09
3532	741884.5	4107413.03	5.55E-09	1.01E-08	5.56E-10	1.62E-08	8.61E-10	1.66E-09	8.34E-11	2.60E-09	8.38E-10	1.43E-09	1.06E-10	2.37E-09	4.76E-10	7.88E-10	2.61E-11	1.29E-09
3533	741928.15	4107405.33	5.63E-09	1.03E-08	5.63E-10	1.64E-08	8.72E-10	1.68E-09	8.44E-11	2.64E-09	8.48E-10	1.45E-09	1.07E-10	2.40E-09	4.82E-10	7.98E-10	2.64E-11	1.31E-09
3534	741971.79	4107397.63	5.70E-09	1.04E-08	5.70E-10	1.66E-08	8.83E-10	1.70E-09	8.55E-11	2.67E-09	8.59E-10	1.46E-09	1.09E-10	2.43E-09	4.88E-10	8.08E-10	2.68E-11	1.32E-09
3535	742015.43	4107389.93	5.75E-09	1.05E-08	5.76E-10	1.68E-08	8.92E-10	1.72E-09	8.64E-11	2.70E-09	8.68E-10	1.48E-09	1.10E-10	2.46E-09	4.93E-10	8.16E-10	2.70E-11	1.34E-09
3536	742059.08	4107382.22	5.79E-09	1.06E-08	5.80E-10	1.69E-08	8.98E-10	1.73E-09	8.69E-11	2.72E-09	8.74E-10	1.49E-09	1.10E-10	2.47E-09	4.96E-10	8.21E-10	2.72E-11	1.35E-09
3537	742102.72	4107374.52	5.80E-09	1.06E-08	5.81E-10	1.70E-08	9.00E-10	1.73E-09	8.71E-11	2.72E-09	8.75E-10	1.49E-09	1.11E-10	2.48E-09	4.97E-10	8.23E-10	2.73E-11	1.35E-09
3538	742146.36	4107366.82	5.79E-09	1.05E-08	5.79E-10	1.69E-08	8.98E-10	1.73E-09	8.69E-11	2.71E-09	8.73E-10	1.49E-09	1.10E-10	2.47E-09	4.96E-10	8.21E-10	2.72E-11	1.34E-09
3539	742190	4107359.11	5.75E-09	1.05E-08	5.75E-10	1.68E-08	8.91E-10	1.72E-09	8.63E-11	2.69E-09	8.67E-10	1.48E-09	1.10E-10	2.45E-09	4.92E-10	8.15E-10	2.70E-11	1.33E-09
3540	742233.65	4107351.41	5.69E-09	1.04E-08	5.69E-10	1.66E-08	8.82E-10	1.70E-09	8.54E-11	2.67E-09	8.58E-10	1.46E-09	1.08E-10	2.43E-09	4.87E-10	8.07E-10	2.67E-11	1.32E-09
3541	742277.29	4107343.71	5.63E-09	1.03E-08	5.63E-10	1.64E-08	8.72E-10	1.68E-09	8.44E-11	2.64E-09	8.48E-10	1.45E-09	1.07E-10	2.40E-09	4.82E-10	7.98E-10	2.64E-11	1.31E-09
3542	742320.93	4107336	5.57E-09	1.02E-08	5.58E-10	1.63E-08	8.64E-10	1.66E-09	8.36E-11	2.61E-09	8.40E-10	1.43E-09	1.06E-10	2.38E-09	4.77E-10	7.90E-10	2.62E-11	1.29E-09
3543	742364.57	4107328.3	5.54E-09	1.01E-08	5.54E-10	1.62E-08	8.59E-10	1.66E-09	8.32E-11	2.60E-09	8.36E-10	1.42E-09	1.06E-10	2.37E-09	4.75E-10	7.86E-10	2.60E-11	1.29E-09
3544	742408.22	4107320.6	5.55E-09	1.01E-08	5.55E-10	1.62E-08	8.60E-10	1.66E-09	8.32E-11	2.60E-09	8.36E-10	1.43E-09	1.06E-10	2.37E-09	4.75E-10	7.86E-10	2.61E-11	1.29E-09
3545	742451.86	4107312.89	5.59E-09	1.02E-08	5.59E-10	1.63E-08	8.67E-10	1.67E-09	8.39E-11	2.62E-09	8.43E-10	1.44E-09	1.07E-10	2.39E-09	4.79E-10	7.93E-10	2.63E-11	1.30E-09
3546	742513.69	4107317.86	5.78E-09	1.05E-08	5.79E-10	1.69E-08	8.97E-10	1.73E-09	8.68E-11	2.71E-09	8.72E-10	1.49E-09	1.10E-10	2.47E-09	4.96E-10	8.20E-10	2.72E-11	1.34E-09
3547	742550.05	4107343.19	6.03E-09	1.10E-08	6.04E-10	1.76E-08	9.36E-10	1.80E-09	9.06E-11	2.83E-09	9.10E-10	1.55E-09	1.15E-10	2.58E-09	5.17E-10	8.55E-10	2.84E-11	1.40E-09
3548	742586.42	4107368.51	6.32E-09	1.15E-08	6.32E-10	1.85E-08	9.79E-10	1.89E-09	9.48E-11	2.96E-09	9.52E-10	1.62E-09	1.20E-10	2.70E-09	5.41E-10	8.95E-10	2.97E-11	1.47E-09
3549	742622.78	4107393.84	6.62E-09	1.21E-08	6.62E-10	1.93E-08	1.03E-09	1.98E-09	9.94E-11	3.10E-09	9.98E-10	1.70E-09	1.26E-10	2.83E-09	5.67E-10	9.39E-10	3.11E-11	1.54E-09
3550	742659.15	4107419.17	6.93E-09	1.26E-08	6.93E-10	2.02E-08	1.07E-09	2.07E-09	1.04E-10	3.25E-09	1.04E-09	1.78E-09	1.32E-10	2.96E-09	5.94E-10	9.82E-10	3.26E-11	1.61E-09
3551	742695.51	4107444.5	7.21E-09	1.31E-08	7.22E-10	2.11E-08	1.12E-09	2.16E-09	1.08E-10	3.38E-09	1.09E-09	1.85E-09	1.37E-10	3.08E-09	6.18E-10	1.02E-09	3.39E-11	1.68E-09
3552	742731.88	4107469.83	7.46E-09	1.36E-08	7.47E-10	2.18E-08	1.16E-09	2.23E-09	1.12E-10	3.50E-09	1.13E-09	1.92E-09	1.42E-10	3.19E-09	6.39E-10	1.06E-09	3.51E-11	1.73E-09
3553	742768.24	4107495.16	7.65E-09	1.39E-08	7.66E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.59E-09	1.15E-09	1.97E-09	1.46E-10	3.27E-09	6.56E-10	1.09E-09	3.60E-11	1.78E-09
3554	742804.61	4107520.49	7.77E-09	1.42E-08	7.78E-10	2.27E-08	1.21E-09	2.32E-09	1.17E-10	3.64E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.66E-10	1.10E-09	3.65E-11	1.80E-09
3555	742840.97	4107545.82	7.82E-09	1.43E-08	7.83E-10	2.29E-08	1.21E-09	2.34E-09	1.17E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.70E-10	1.11E-09	3.68E-11	1.82E-09
3556	742877.34	4107571.15	7.82E-09	1.42E-08	7.82E-10	2.28E-08	1.21E-09	2.33E-09	1.17E-10	3.66E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.70E-10	1.11E-09	3.67E-11	1.81E-09

3557	742913.7	4107596.48	7.77E-09	1.42E-08	7.77E-10	2.27E-08	1.20E-09	2.32E-09	1.17E-10	3.64E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.66E-10	1.10E-09	3.65E-11	1.80E-09
3558	742950.07	4107621.81	7.72E-09	1.41E-08	7.72E-10	2.26E-08	1.20E-09	2.31E-09	1.16E-10	3.62E-09	1.16E-09	1.98E-09	1.47E-10	3.30E-09	6.61E-10	1.09E-09	3.63E-11	1.79E-09
3559	742986.43	4107647.14	7.69E-09	1.40E-08	7.70E-10	2.25E-08	1.19E-09	2.30E-09	1.15E-10	3.61E-09	1.16E-09	1.98E-09	1.47E-10	3.28E-09	6.59E-10	1.09E-09	3.62E-11	1.79E-09
3560	743022.8	4107672.47	7.72E-09	1.41E-08	7.72E-10	2.25E-08	1.20E-09	2.30E-09	1.16E-10	3.62E-09	1.16E-09	1.98E-09	1.47E-10	3.29E-09	6.61E-10	1.09E-09	3.63E-11	1.79E-09
3561	743059.16	4107697.8	7.80E-09	1.42E-08	7.80E-10	2.28E-08	1.21E-09	2.33E-09	1.17E-10	3.66E-09	1.18E-09	2.00E-09	1.49E-10	3.33E-09	6.68E-10	1.11E-09	3.66E-11	1.81E-09
3562	743095.53	4107723.13	7.95E-09	1.45E-08	7.95E-10	2.32E-08	1.23E-09	2.37E-09	1.19E-10	3.72E-09	1.20E-09	2.04E-09	1.51E-10	3.39E-09	6.81E-10	1.13E-09	3.73E-11	1.84E-09
3563	743131.9	4107748.46	8.14E-09	1.48E-08	8.15E-10	2.38E-08	1.26E-09	2.43E-09	1.22E-10	3.82E-09	1.23E-09	2.09E-09	1.55E-10	3.48E-09	6.98E-10	1.15E-09	3.83E-11	1.89E-09
3564	743168.26	4107773.79	8.37E-09	1.53E-08	8.38E-10	2.45E-08	1.30E-09	2.50E-09	1.26E-10	3.93E-09	1.26E-09	2.15E-09	1.60E-10	3.57E-09	7.17E-10	1.19E-09	3.93E-11	1.94E-09
3565	743204.63	4107799.12	8.63E-09	1.57E-08	8.63E-10	2.52E-08	1.34E-09	2.58E-09	1.29E-10	4.04E-09	1.30E-09	2.22E-09	1.64E-10	3.68E-09	7.39E-10	1.22E-09	4.05E-11	2.00E-09
3566	743240.99	4107824.45	8.90E-09	1.62E-08	8.91E-10	2.60E-08	1.38E-09	2.66E-09	1.34E-10	4.17E-09	1.34E-09	2.29E-09	1.70E-10	3.80E-09	7.63E-10	1.26E-09	4.18E-11	2.07E-09
3567	743277.36	4107849.78	9.20E-09	1.68E-08	9.21E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.31E-09	1.39E-09	2.36E-09	1.75E-10	3.93E-09	7.88E-10	1.30E-09	4.32E-11	2.14E-09
3568	743313.72	4107875.11	9.53E-09	1.74E-08	9.53E-10	2.78E-08	1.48E-09	2.85E-09	1.43E-10	4.47E-09	1.44E-09	2.45E-09	1.82E-10	4.07E-09	8.17E-10	1.35E-09	4.48E-11	2.21E-09
3569	743350.09	4107900.44	9.89E-09	1.80E-08	9.90E-10	2.89E-08	1.53E-09	2.96E-09	1.48E-10	4.64E-09	1.49E-09	2.54E-09	1.89E-10	4.22E-09	8.48E-10	1.40E-09	4.65E-11	2.30E-09
3570	743386.45	4107925.76	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.40E-09	8.83E-10	1.46E-09	4.84E-11	2.39E-09
3571	743422.82	4107951.09	1.07E-08	1.96E-08	1.07E-09	3.14E-08	1.67E-09	3.21E-09	1.61E-10	5.03E-09	1.62E-09	2.76E-09	2.05E-10	4.58E-09	9.20E-10	1.52E-09	5.05E-11	2.49E-09
3572	743459.18	4107976.42	1.12E-08	2.04E-08	1.12E-09	3.27E-08	1.74E-09	3.34E-09	1.68E-10	5.25E-09	1.69E-09	2.88E-09	2.13E-10	4.78E-09	9.59E-10	1.59E-09	5.26E-11	2.60E-09
3573	743495.55	4108001.75	1.17E-08	2.13E-08	1.17E-09	3.41E-08	1.81E-09	3.48E-09	1.75E-10	5.47E-09	1.76E-09	3.00E-09	2.22E-10	4.98E-09	9.99E-10	1.65E-09	5.48E-11	2.71E-09
3574	743531.91	4108027.08	1.21E-08	2.21E-08	1.22E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.70E-09	1.83E-09	3.12E-09	2.31E-10	5.19E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
3575	743568.28	4108052.41	1.26E-08	2.30E-08	1.27E-09	3.69E-08	1.96E-09	3.78E-09	1.90E-10	5.93E-09	1.91E-09	3.25E-09	2.41E-10	5.40E-09	1.08E-09	1.79E-09	5.94E-11	2.94E-09
3576	743604.64	4108077.74	1.31E-08	2.39E-08	1.31E-09	3.84E-08	2.04E-09	3.93E-09	1.97E-10	6.16E-09	1.98E-09	3.38E-09	2.50E-10	5.61E-09	1.13E-09	1.86E-09	6.18E-11	3.05E-09
3577	743641.01	4108103.07	1.36E-08	2.48E-08	1.36E-09	3.98E-08	2.11E-09	4.07E-09	2.05E-10	6.39E-09	2.06E-09	3.50E-09	2.60E-10	5.82E-09	1.17E-09	1.93E-09	6.41E-11	3.17E-09
3578	743677.37	4108128.4	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.19E-09	4.21E-09	2.12E-10	6.61E-09	2.13E-09	3.63E-09	2.69E-10	6.02E-09	1.21E-09	2.00E-09	6.63E-11	3.27E-09
3579	743713.74	4108153.73	1.45E-08	2.65E-08	1.45E-09	4.24E-08	2.25E-09	4.34E-09	2.18E-10	6.81E-09	2.19E-09	3.73E-09	2.77E-10	6.20E-09	1.24E-09	2.06E-09	6.82E-11	3.37E-09
3580	743750.11	4108179.06	1.49E-08	2.71E-08	1.49E-09	4.35E-08	2.31E-09	4.44E-09	2.23E-10	6.97E-09	2.24E-09	3.82E-09	2.83E-10	6.35E-09	1.27E-09	2.11E-09	6.99E-11	3.45E-09
3581	743786.47	4108204.39	1.51E-08	2.75E-08	1.51E-09	4.42E-08	2.34E-09	4.52E-09	2.27E-10	7.09E-09	2.28E-09	3.89E-09	2.88E-10	6.45E-09	1.30E-09	2.14E-09	7.10E-11	3.51E-09
3582	743822.84	4108229.72	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.29E-10	7.17E-09	2.31E-09	3.93E-09	2.91E-10	6.53E-09	1.31E-09	2.17E-09	7.18E-11	3.55E-09
3583	743859.2	4108255.05	1.54E-08	2.81E-08	1.54E-09	4.50E-08	2.39E-09	4.60E-09	2.31E-10	7.22E-09	2.32E-09	3.96E-09	2.93E-10	6.57E-09	1.32E-09	2.18E-09	7.24E-11	3.57E-09
3584	743895.57	4108280.38	1.55E-08	2.82E-08	1.55E-09	4.53E-08	2.40E-09	4.63E-09	2.32E-10	7.26E-09	2.34E-09	3.98E-09	2.95E-10	6.61E-09	1.33E-09	2.20E-09	7.28E-11	3.60E-09
3585	743931.93	4108305.71	1.56E-08	2.84E-08	1.56E-09	4.56E-08	2.42E-09	4.66E-09	2.34E-10	7.32E-09	2.35E-09	4.01E-09	2.97E-10	6.66E-09	1.34E-09	2.21E-09	7.34E-11	3.62E-09
3586	743968.3	4108331.04	1.58E-08	2.88E-08	1.58E-09	4.61E-08	2.45E-09	4.72E-09	2.37E-10	7.40E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.67E-09
3587	744004.66	4108356.37	1.60E-08	2.92E-08	1.60E-09	4.69E-08	2.49E-09	4.79E-09	2.41E-10	7.52E-09	2.42E-09	4.12E-09	3.06E-10	6.84E-09	1.37E-09	2.27E-09	7.53E-11	3.72E-09
3588	744041.03	4108381.7	1.63E-08	2.97E-08	1.63E-09	4.77E-08	2.53E-09	4.88E-09	2.45E-10	7.65E-09	2.46E-09	4.20E-09	3.11E-10	6.97E-09	1.40E-09	2.31E-09	7.67E-11	3.79E-09
3589	744077.39	4108407.03	1.66E-08	3.03E-08	1.66E-09	4.86E-08	2.58E-09	4.96E-09	2.49E-10	7.79E-09	2.51E-09	4.27E-09	3.17E-10	7.09E-09	1.42E-09	2.36E-09	7.81E-11	3.86E-09
3590	744113.76	4108432.36	1.69E-08	3.07E-08	1.69E-09	4.93E-08	2.62E-09	5.04E-09	2.53E-10	7.91E-09	2.54E-09	4.34E-09	3.21E-10	7.20E-09	1.45E-09	2.39E-09	7.93E-11	3.92E-09
3591	744150.12	4108457.69	1.70E-08	3.10E-08	1.70E-09	4.98E-08	2.64E-09	5.09E-09	2.56E-10	7.99E-09	2.57E-09	4.38E-09	3.25E-10	7.27E-09	1.46E-09	2.42E-09	8.01E-11	3.96E-09
3592	740447.3	4107675.35	4.85E-09	8.84E-09	4.85E-10	1.42E-08	7.52E-10	1.45E-09	7.28E-11	2.27E-09	7.31E-10	1.25E-09	9.24E-11	2.07E-09	4.16E-10	6.88E-10	2.28E-11	1.13E-09
3593	740409.68	4107699.27	5.00E-09	9.11E-09	5.00E-10	1.46E-08	7.76E-10	1.49E-09	7.51E-11	2.35E-09	7.54E-10	1.29E-09	9.53E-11	2.14E-09	4.29E-10	7.09E-10	2.35E-11	1.16E-09
3594	740372.05	4107723.19	5.14E-09	9.36E-09	5.14E-10	1.50E-08	7.97E-10	1.53E-09	7.71E-11	2.41E-09	7.75E-10	1.32E-09	9.79E-11	2.19E-09	4.40E-10	7.28E-10	2.41E-11	1.19E-09
3595	740316.86	4107314.29	3.75E-09	6.84E-09	3.75E-10	1.10E-08	5.82E-10	1.12E-09	5.63E-11	1.76E-09	5.66E-10	9.64E-10	7.15E-11	1.60E-09	3.21E-10	5.32E-10	1.76E-11	8.71E-10
3596	740360.41	4107306.6	3.68E-09	6.71E-09	3.68E-10	1.08E-08	5.71E-10	1.10E-09	5.53E-11	1.73E-09	5.55E-10	9.47E-10	7.02E-11	1.57E-09	3.16E-10	5.22E-10	1.73E-11	8.55E-10
3597	740403.96	4107298.91	3.63E-09	6.61E-09	3.63E-10	1.06E-08	5.63E-10	1.08E-09	5.45E-11	1.70E-09	5.47E-10	9.33E-10	6.91E-11	1.55E-09	3.11E-10	5.14E-10	1.70E-11	8.42E-10
3598	740447.51	4107291.23	3.59E-09	6.55E-09	3.60E-10	1.05E-08	5.57E-10	1.07E-09	5.39E-11	1.68E-09	5.42E-10	9.24E-10	6.85E-11	1.53E-09	3.08E-10	5.09E-10	1.69E-11	8.34E-10
3599	740491.06	4107283.54	3.58E-09	6.53E-09	3.58E-10	1.05E-08	5.56E-10	1.07E-09	5.38E-11	1.68E-09	5.40E-10	9.21E-10	6.83E-11	1.53E-09	3.07E-10	5.08E-10	1.68E-11	8.32E-10
3600	740534.62	4107275.85	3.60E-09	6.55E-09	3.60E-10	1.05E-08	5.58E-10	1.07E-09	5.40E-11	1.69E-09	5.42E-10	9.24E-10	6.85E-11	1.53E-09	3.08E-10	5.10E-10	1.69E-11	8.35E-10
3601	740578.17	4107268.17	3.63E-09	6.61E-09	3.63E-10	1.06E-08	5.63E-10	1.08E-09	5.45E-11	1.70E-09	5.47E-10	9.33E-10	6.91E-11	1.55E-09	3.11E-10	5.14E-10	1.70E-11	8.42E-10
3602	740621.72	4107260.48	3.67E-09	6.69E-09	3.68E-10	1.07E-08	5.70E-10	1.10E-09	5.51E-11	1.72E-09	5.54E-10	9.44E-10	7.00E-11	1.57E-09	3.15E-10	5.21E-10	1.73E-11	8.53E-10
3603	740665.27	4107252.79	3.73E-09	6.79E-09	3.73E-10	1.09E-08	5.78E-10	1.11E-09	5.59E-11	1.75E-09	5.62E-10	9.58E-10	7.10E-11	1.59E-09	3.19E-10	5.29E-10	1.75E-11	8.65E-10
3604	740708.82	4107245.1	3.78E-09	6.90E-09	3.79E-10	1.11E-08	5.87E-10	1.13E-09	5.68E-11	1.77E-09	5.71E-10	9.73E-10	7.21E-11	1.62E-09	3.24E-10	5.37E-10	1.78E-11	8.79E-10
3605	740752.38	4107237.42	3.83E-09	6.98E-09	3.83E-10	1.12E-08	5.94E-10	1.14E-09	5.75E-11	1.80E-09	5.77E-10	9.84E-10	7.30E-11	1.63E-09	3.28E-10	5.43E-10	1.80E-11	8.89E-10
3606	740795.93	4107229.73	3.86E-09	7.04E-09	3.86E-10	1.13E-08	5.99E-10	1.15E-09	5.80E-11	1.81E-09	5.82E-10	9.93E-10	7.36E-11	1.65E-09	3.31E-10	5.48E-10	1.81E-11	8.97E-10
3607	740839.48	4107222.04	3.88E-09	7.07E-09	3.88E-10	1.13E-08	6.01E-10	1.16E-09	5.82E-11	1.82E-09	5.85E-10	9.97E-10	7.39E-11	1.66E-09	3.32E-10	5.50E-10	1.82E-11	9.00E-10
3608	740883.03	4107214.36	3.88E-09	7.07E-09	3.88E-10	1.13E-08	6.02E-10	1.16E-09	5.82E-11	1.82E-09	5.85E-10	9.97E-10	7.39E-11	1.66E-09	3.32E-10	5.50E-10	1.82E-11	9.01E-10
3609	740926.58	4107206.67	3.87E-09	7.05E-09	3.87E-10	1.13E-08	6.00E-10	1.16E-09	5.81E-11	1.81E-09	5.83E-10	9.94E-10	7.37E-11	1.65E-09	3.31E-10	5.49E-10	1.82E-11	8.98E-10
3610	740970.14	4107198.98	3.86E-09	7.03E-09	3.86E-10	1.13E-08	5.98E-10	1.15E-09	5.79E-11	1.81E-09	5.81E-10	9.91E-10	7.35E-11	1.65E-09	3.30E-10	5.47E-10	1.81E-11	8.95E-10
3611	741013.69	4107191.29	3.84E-09	7.00E-09	3.84E-10	1.12E-08	5.96E-10	1.15E-09	5.76E-11	1.80E-09	5.79E-10	9.87E-10	7.32E-11	1.64E-09	3.29E-10	5.45E-10	1.80E-11	8.92E-10
3612	741057.24	4107183.61	3.83E-09	6.99E-09	3.84E-10	1.12E-08	5.95E-10	1.15E-09	5.75E-11	1.80E-09	5.78E-10	9.86E-10	7.31E-11	1.64E-09	3.29E-10	5.44E-10	1.80E-11	8.90E-10
3613	741100.79	4107175.92	3.84E-09	7.00E-09	3.84E-10	1.12E-08	5.96E-10	1.15E-09	5.77E-11	1.80E-09	5.79E-10	9.88E-10	7.32E-11	1.64E-09	3.29E-10	5.45E-10	1.81E-11	8.92E-10
3614	741144.34	4107168.23	3.87E-09	7.05E-09	3.87E-10	1.13E-08	6.00E-10	1.16E-09	5.81E-11	1.81E-09	5.83E-10	9.94E-10	7.37E-11	1.65E-09	3.31E-10	5.49E-10	1.82E-11	8.98E-10
3615	741187.9	4107160.55	3.91E-09	7.13E-09	3.92E-10	1.14E-08	6.07E-10	1.17E-09	5.87E-11	1.84E-09	5.90E-10	1.01E-09	7.46E-11	1.67E-09	3.35E-10	5.55E-10	1.84E-11	9.09E-10
3616	741231.45	4107152.86	3.98E-09	7.25E-09	3.98E-10	1.16E-08	6.17E-10	1.19E-09	5.97E-11	1.86E-09	6.00E-10	1.02E-09	7.58E-11	1.70E-09	3.41E-10	5.64E-10	1.87E-11	9.23E-10
3617	741275	4107145.17	4.05E-09	7.38E-09	4.06E-10	1.18E-08	6.28E-10	1.21E-09	6.08E-11	1.90E-09	6.11E-10	1.04E-09	7.72E-11	1.73E-09	3.47E-10	5.75E-10	1.90E-11	9.41E-10
3618	741318.55	4107137.48	4.14E-09	7.53E-09	4.14E-10	1.21E-08	6.41E-10	1.24E-09	6.21E-11	1.94E-09	6.24E-10	1.06E-09	7.88E-11	1.77E-09	3.54E-10	5.86E-10	1.94E-11	9.60E-10
3619	741362.1	4107129.8	4.21E-09	7.68E-09	4.22E-10	1.23E-08	6.53E-10	1.26E-09	6.32E-11	1.98E-09	6.35E-10	1.08E-09	8.03E-11	1.80E-09	3.61E-10	5.97E-10	1.98E-11	9.78E-10
3620	741405.66	4107122.11	4.28E-09	7.81E-09	4.29E-10	1.25E-08	6.64E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.16E-11	1.83E-09	3.67E-10	6.08E-10	2.01E-11	9.95E-10
3621	741449.21	4107114.42	4.34E-09	7.91E-09	4.34E-10	1.27E-08	6.73E-10	1.30E-09	6.51E-11	2.03E-09	6.54E-10	1.12E-09	8.27E-11	1.85E-09	3.72E-10	6.15E-10	2.04E-11	1.01E-09
3622	741492.76	4107106.74	4.38E-09	7.98E-09	4.38E-10	1.28E-08	6.79E-10	1.31E-09	6.57E-11	2.05E-09	6.60E-10	1.13E-09	8.34E-11	1.87E-09	3.75E-10	6.21E-10	2.06E-11	1.02E-09
3623	741536.31	4107099.05	4.40E-09	8.02E-09	4.40E-10	1.29E-08	6.82E-10	1.31E-09	6.60E-11	2.06E-09	6.63E-10	1.13E-09	8.38E-11	1.88E-09	3.77E-10	6.24E-10	2.07E-11	1.02E-09
3624	741579.87	4107091.36	4.41E-09	8.03E-09	4.41E-10	1.29E-08	6.83E-10	1.32E-09	6.61E-11	2.07E-09	6.64E-10	1.13E-09	8.40E-11	1.88E-09	3.78E-10	6.25E-10	2.07E-11	1.02E-09
3625	741623.42	4107083.68	4.41E-09	8.03E-09	4.41E-10	1.29E-08	6.83E-10	1.32E-09	6.61E-11	2.07E-09	6.64E-10	1.13E-09	8.40E-11	1.88E-09	3.78E-10	6.25E-10	2.07E-11	1.02E-09
3626	741666.97	4107075.99	4.40E-09	8.02E-09	4.40E-10	1.29E-08	6.83E-10	1.32E-09	6.61E-11	2.06E-09	6.64E-10	1.13E-09	8.39E-11	1.88E-09	3.77E-10	6.24E-10	2.07E-11	1.02E-09
3627	741710.52	4107068.3	4.40E-09	8.02E-09	4.40E-10	1.29E-08	6.83E-10	1.32E-09	6.61E-11	2.06E-09	6.64E-10	1.13E-09	8.39E-11	1.88E-09	3.77E-10	6.24E-10	2.07E-11	1.02E-09
3628	741754.07	4107060.61	4.41E-09	8.04E-09	4.42E-10	1.29E-08	6.85E-10	1.32E-09	6.63E-11	2.07E-09	6.66E-10	1.13E-09	8.41E-11	1.88E-09	3.78E-10	6.26E-10	2.07E-11	1.02E-09
3629	741797.63	4107052.93	4.44E-09	8.09E-09	4.44E-10	1.30E-08	6.89E-10	1.33E-09	6.66E-11	2.08E-09	6.70E-10	1.14E-09	8.46E-11	1.90E-09	3.81E-10	6.30E-10	2.09E-11	1.03E-09
3630	741841.18	4107045.24	4.48E-09	8.17E-09	4.48E-10	1.31E-08	6.95E-10	1.34E-09	6.73E-11	2.10E-09	6.76E-10	1.15E-09	8.54E-11	1.91E-09	3.84E-10	6.35E-10	2.11E-11	1.04E-09
3631	741884.73	4107037.55	4.53E-09	8.26E-09	4.54E-10	1.32E-08	7.03E-10	1.35E-09	6.80E-11	2.13E-09	6.84E-10	1.17E-09	8.64E-11	1.94E-09	3.89E-10	6.43E-10	2.13E-11	1.05E-09
3632	741928.28	4107029.87	4.59E-09	8.37E-09	4.60E-10	1.34E-08	7.12E-10	1.37E-09	6.89E-11	2.15E-09	6.93E-10	1.18E-09	8.75E-11	1.96E-09	3.94E-10	6.51E-10	2.16E-11	1.07E-09
3633	741971.83	4107022.18	4.65E-09	8.48E-09	4.66E-10	1.36E-08	7.22E-10	1.39E-09	6.98E-11	2.18E-09	7.02E-10	1.20E-09	8.87E-11	1.99E-09	3.99E-10	6.60E-10	2.19E-11	1.08E-09
3634	742015.39	4107014.49	4.71E-09	8.57E-09	4.71E-10	1.37E-08	7.30E-10	1.41E-09	7.06E-11	2.21E-09	7.10E-10	1.21E-09	8.97E-11	2.01E-09	4.03E-10	6.67E-10	2.21E-11	1.09E-09
3635	742058.94	4107006.8	4.74E-09	8.64E-09	4.74E-10	1.39E-08	7.35E-10	1.42E-09	7.12E-11	2.22E-09	7.15E-10	1.22E-09	9.04E-11	2.02E-09	4.06E-10	6.72E-10	2.23E-11	1.10E-09
3636	742102.49	4106999.12	4.76E-09	8.67E-09	4.76E-10	1.39E-08	7.38E-10	1.42E-09	7.14E-11	2.23E-09	7.17E-10	1.22E-09	9.06E-11	2.03E-09	4.08E-10	6.74E-10	2.24E-11	1.10E-09
3637	742146.04	4106991.43	4.75E-09	8.66E-09	4.75E-10	1.39E-08	7.37E-10	1.42E-09	7.13E-11	2.23E-09	7.16E-10	1.22E-09	9.05E-11	2.03E-09	4.07E-10	6.74E-10	2.23E-11	1.10E-09
3638	742189.59	4106983.74	4.72E-09	8.61E-09	4.73E-10	1.38E-08	7.33E-10	1.41E-09	7.09E-11	2.22E-09	7.12E-10	1.21E-09	9.00E-11	2.02E-09	4.05E-10	6.70E-10	2.22E-11	1.10E-09
3639	742233.15	4106976.06	4.68E-09	8.53E-09	4.68E-10	1.37E-08	7.26E-10	1.40E-09	7.03E-11	2.19E-09	7.06E-10	1.20E-09	8.92E-11	2.00E-09	4.01E-10	6.64E-10	2.20E-11	1.09E-09
3640	742276.7	4106968.37	4.63E-09	8.44E-09	4.64E-10	1.35E-08	7.19E-10	1.38E-09	6.95E-11	2.17E-09	6.99E-10	1.19E-09	8.83E-11	1.98E-09	3.97E-10	6.57E-10	2.18E-11	1.08E-09
3641	742320.25	4106960.68	4.58E-09	8.34E-09	4.58E-10	1.34E-08	7.10E-10	1.37E-09	6.87E-11	2.15E-09	6.91E-10	1.18E-09	8.73E-11	1.96E-09	3.92E-10	6.49E-10	2.15E-11	1.06E-09
3642	742363.8	4106952.99	4.53E-09	8.25E-09	4.53E-10	1.32E-08	7.02E-10	1.35E-09	6.80E-11	2.12E-09	6.83E-10	1.16E-09	8.63E-11	1.93E-09	3.88E-10	6.42E-10	2.13E-11	1.05E-09
3643	742407.35	4106945.31	4.49E-09	8.19E-09	4.50E-10	1.31E-08	6.97E-10	1.34E-09	6.74E-11	2.11E-09	6.77E-10	1.15E-09	8.56E-11	1.92E-09	3.85E-10	6.37E-10	2.11E-11	1.04E-09
3644	742450.91	4106937.62	4.48E-09	8.17E-09	4.48E-10	1.31E-08	6.95E-10	1.34E-09	6.73E-11	2.10E-09	6.76E-10	1.15E-09	8.54E-11	1.91E-09	3.84E-10	6.35E-10	2.11E-11	1.04E-09
3645	742494.46	4106929.93	4.50E-09	8.19E-09	4.50E-10	1.31E-08	6.97E-10	1.34E-09	6.75E-11	2.11E-09	6.78E-10	1.16E-09	8.57E-11	1.92E-09	3.85E-10	6.38E-10	2.11E-11	1.04E-09

3646	742538.01	4106922.25	4.54E-09	8.28E-09	4.55E-10	1.33E-08	7.04E-10	1.36E-09	6.82E-11	2.13E-09	6.85E-10	1.17E-09	8.66E-11	1.94E-09	3.89E-10	6.44E-10	2.13E-11	1.05E-09
3647	742599.71	4106927.2	4.70E-09	8.57E-09	4.71E-10	1.37E-08	7.29E-10	1.40E-09	7.06E-11	2.20E-09	7.09E-10	1.21E-09	8.96E-11	2.01E-09	4.03E-10	6.67E-10	2.21E-11	1.09E-09
3648	742636	4106952.47	4.90E-09	8.92E-09	4.90E-10	1.43E-08	7.59E-10	1.46E-09	7.35E-11	2.30E-09	7.38E-10	1.26E-09	9.33E-11	2.09E-09	4.20E-10	6.94E-10	2.30E-11	1.14E-09
3649	742672.29	4106977.75	5.11E-09	9.31E-09	5.11E-10	1.49E-08	7.93E-10	1.53E-09	7.67E-11	2.40E-09	7.71E-10	1.31E-09	9.74E-11	2.18E-09	4.38E-10	7.25E-10	2.40E-11	1.19E-09
3650	742708.58	4107003.03	5.34E-09	9.73E-09	5.34E-10	1.56E-08	8.28E-10	1.60E-09	8.01E-11	2.50E-09	8.05E-10	1.37E-09	1.02E-10	2.28E-09	4.58E-10	7.57E-10	2.51E-11	1.24E-09
3651	742744.87	4107028.3	5.57E-09	1.02E-08	5.58E-10	1.63E-08	8.64E-10	1.67E-09	8.37E-11	2.61E-09	8.41E-10	1.43E-09	1.06E-10	2.38E-09	4.78E-10	7.90E-10	2.62E-11	1.29E-09
3652	742781.16	4107053.58	5.80E-09	1.06E-08	5.80E-10	1.69E-08	8.99E-10	1.73E-09	8.70E-11	2.72E-09	8.75E-10	1.49E-09	1.11E-10	2.48E-09	4.97E-10	8.22E-10	2.73E-11	1.35E-09
3653	742817.45	4107078.86	6.01E-09	1.09E-08	6.01E-10	1.75E-08	9.31E-10	1.79E-09	9.01E-11	2.82E-09	9.06E-10	1.54E-09	1.14E-10	2.56E-09	5.15E-10	8.51E-10	2.82E-11	1.39E-09
3654	742853.74	4107104.14	6.17E-09	1.13E-08	6.18E-10	1.80E-08	9.58E-10	1.84E-09	9.27E-11	2.89E-09	9.31E-10	1.59E-09	1.18E-10	2.64E-09	5.29E-10	8.75E-10	2.90E-11	1.43E-09
3655	742890.03	4107129.41	6.30E-09	1.15E-08	6.30E-10	1.84E-08	9.76E-10	1.88E-09	9.45E-11	2.95E-09	9.49E-10	1.62E-09	1.20E-10	2.69E-09	5.39E-10	8.93E-10	2.96E-11	1.46E-09
3656	742926.32	4107154.69	6.37E-09	1.16E-08	6.37E-10	1.86E-08	9.87E-10	1.90E-09	9.55E-11	2.98E-09	9.60E-10	1.64E-09	1.21E-10	2.72E-09	5.45E-10	9.03E-10	2.99E-11	1.48E-09
3657	742962.6	4107179.97	6.38E-09	1.16E-08	6.39E-10	1.87E-08	9.90E-10	1.91E-09	9.58E-11	2.99E-09	9.62E-10	1.64E-09	1.22E-10	2.72E-09	5.47E-10	9.05E-10	3.00E-11	1.48E-09
3658	742998.89	4107205.24	6.35E-09	1.16E-08	6.36E-10	1.86E-08	9.85E-10	1.90E-09	9.54E-11	2.98E-09	9.58E-10	1.63E-09	1.21E-10	2.71E-09	5.44E-10	9.01E-10	2.99E-11	1.48E-09
3659	743035.18	4107230.52	6.30E-09	1.15E-08	6.30E-10	1.84E-08	9.77E-10	1.88E-09	9.45E-11	2.95E-09	9.50E-10	1.62E-09	1.20E-10	2.69E-09	5.40E-10	8.93E-10	2.96E-11	1.46E-09
3660	743071.47	4107255.8	6.23E-09	1.14E-08	6.24E-10	1.82E-08	9.67E-10	1.86E-09	9.35E-11	2.92E-09	9.40E-10	1.60E-09	1.19E-10	2.66E-09	5.34E-10	8.84E-10	2.93E-11	1.45E-09
3661	743107.76	4107281.07	6.18E-09	1.13E-08	6.19E-10	1.81E-08	9.59E-10	1.85E-09	9.28E-11	2.90E-09	9.32E-10	1.59E-09	1.18E-10	2.64E-09	5.30E-10	8.77E-10	2.91E-11	1.44E-09
3662	743144.05	4107306.35	6.17E-09	1.12E-08	6.17E-10	1.80E-08	9.57E-10	1.84E-09	9.26E-11	2.89E-09	9.30E-10	1.59E-09	1.18E-10	2.63E-09	5.29E-10	8.75E-10	2.90E-11	1.43E-09
3663	743180.34	4107331.63	6.20E-09	1.13E-08	6.20E-10	1.81E-08	9.62E-10	1.85E-09	9.31E-11	2.91E-09	9.35E-10	1.59E-09	1.18E-10	2.65E-09	5.31E-10	8.79E-10	2.91E-11	1.44E-09
3664	743216.63	4107356.9	6.29E-09	1.15E-08	6.29E-10	1.84E-08	9.75E-10	1.88E-09	9.44E-11	2.95E-09	9.48E-10	1.62E-09	1.20E-10	2.68E-09	5.39E-10	8.91E-10	2.95E-11	1.46E-09
3665	743252.92	4107382.18	6.42E-09	1.17E-08	6.43E-10	1.88E-08	9.96E-10	1.92E-09	9.64E-11	3.01E-09	9.68E-10	1.65E-09	1.22E-10	2.74E-09	5.50E-10	9.10E-10	3.02E-11	1.49E-09
3666	743289.21	4107407.46	6.59E-09	1.20E-08	6.59E-10	1.92E-08	1.02E-09	1.97E-09	9.89E-11	3.09E-09	9.93E-10	1.69E-09	1.26E-10	2.81E-09	5.64E-10	9.34E-10	3.10E-11	1.53E-09
3667	743325.5	4107432.74	6.77E-09	1.23E-08	6.77E-10	1.98E-08	1.05E-09	2.02E-09	1.02E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.89E-09	5.80E-10	9.60E-10	3.18E-11	1.57E-09
3668	743361.79	4107458.01	6.96E-09	1.27E-08	6.97E-10	2.03E-08	1.08E-09	2.08E-09	1.05E-10	3.26E-09	1.05E-09	1.79E-09	1.33E-10	2.97E-09	5.97E-10	9.87E-10	3.27E-11	1.62E-09
3669	743398.08	4107483.29	7.16E-09	1.30E-08	7.16E-10	2.09E-08	1.11E-09	2.14E-09	1.07E-10	3.36E-09	1.08E-09	1.84E-09	1.36E-10	3.06E-09	6.13E-10	1.01E-09	3.36E-11	1.66E-09
3670	743434.37	4107508.57	7.35E-09	1.34E-08	7.36E-10	2.15E-08	1.14E-09	2.20E-09	1.10E-10	3.45E-09	1.11E-09	1.89E-09	1.40E-10	3.14E-09	6.30E-10	1.04E-09	3.46E-11	1.71E-09
3671	743470.66	4107533.84	7.57E-09	1.38E-08	7.57E-10	2.21E-08	1.17E-09	2.26E-09	1.14E-10	3.55E-09	1.14E-09	1.94E-09	1.44E-10	3.23E-09	6.48E-10	1.07E-09	3.56E-11	1.76E-09
3672	743506.95	4107559.12	7.80E-09	1.42E-08	7.80E-10	2.28E-08	1.21E-09	2.33E-09	1.17E-10	3.66E-09	1.18E-09	2.00E-09	1.49E-10	3.33E-09	6.68E-10	1.11E-09	3.66E-11	1.81E-09
3673	743543.24	4107584.4	8.05E-09	1.47E-08	8.06E-10	2.35E-08	1.25E-09	2.41E-09	1.21E-10	3.78E-09	1.21E-09	2.07E-09	1.53E-10	3.44E-09	6.90E-10	1.14E-09	3.78E-11	1.87E-09
3674	743579.53	4107609.67	8.33E-09	1.52E-08	8.34E-10	2.44E-08	1.29E-09	2.49E-09	1.25E-10	3.91E-09	1.26E-09	2.14E-09	1.59E-10	3.56E-09	7.14E-10	1.18E-09	3.92E-11	1.93E-09
3675	743615.82	4107634.95	8.63E-09	1.57E-08	8.64E-10	2.52E-08	1.34E-09	2.58E-09	1.30E-10	4.05E-09	1.30E-09	2.22E-09	1.64E-10	3.69E-09	7.40E-10	1.22E-09	4.06E-11	2.00E-09
3676	743652.11	4107660.23	8.94E-09	1.63E-08	8.95E-10	2.61E-08	1.39E-09	2.67E-09	1.34E-10	4.19E-09	1.35E-09	2.30E-09	1.70E-10	3.82E-09	7.66E-10	1.27E-09	4.20E-11	2.08E-09
3677	743688.4	4107685.51	9.26E-09	1.69E-08	9.26E-10	2.71E-08	1.44E-09	2.77E-09	1.39E-10	4.34E-09	1.40E-09	2.38E-09	1.76E-10	3.95E-09	7.93E-10	1.31E-09	4.35E-11	2.15E-09
3678	743724.69	4107710.78	9.58E-09	1.75E-08	9.58E-10	2.80E-08	1.49E-09	2.86E-09	1.44E-10	4.49E-09	1.44E-09	2.46E-09	1.82E-10	4.09E-09	8.21E-10	1.36E-09	4.50E-11	2.22E-09
3679	743760.98	4107736.06	9.90E-09	1.80E-08	9.90E-10	2.89E-08	1.53E-09	2.96E-09	1.49E-10	4.64E-09	1.49E-09	2.54E-09	1.89E-10	4.23E-09	8.48E-10	1.40E-09	4.65E-11	2.30E-09
3680	743797.27	4107761.34	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.59E-09	3.05E-09	1.53E-10	4.79E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.76E-10	1.45E-09	4.81E-11	2.37E-09
3681	743833.56	4107786.61	1.06E-08	1.92E-08	1.06E-09	3.09E-08	1.64E-09	3.15E-09	1.58E-10	4.95E-09	1.59E-09	2.71E-09	2.01E-10	4.51E-09	9.05E-10	1.50E-09	4.96E-11	2.45E-09
3682	743869.85	4107811.89	1.09E-08	1.99E-08	1.09E-09	3.18E-08	1.69E-09	3.26E-09	1.64E-10	5.11E-09	1.64E-09	2.80E-09	2.08E-10	4.65E-09	9.34E-10	1.55E-09	5.12E-11	2.53E-09
3683	743906.14	4107837.17	1.12E-08	2.05E-08	1.12E-09	3.28E-08	1.74E-09	3.36E-09	1.69E-10	5.27E-09	1.69E-09	2.89E-09	2.14E-10	4.80E-09	9.63E-10	1.59E-09	5.28E-11	2.61E-09
3684	743942.43	4107862.44	1.16E-08	2.11E-08	1.16E-09	3.38E-08	1.79E-09	3.45E-09	1.73E-10	5.42E-09	1.74E-09	2.97E-09	2.20E-10	4.93E-09	9.90E-10	1.64E-09	5.43E-11	2.68E-09
3685	743978.72	4107887.72	1.18E-08	2.16E-08	1.18E-09	3.46E-08	1.84E-09	3.54E-09	1.78E-10	5.55E-09	1.79E-09	3.04E-09	2.26E-10	5.05E-09	1.01E-09	1.68E-09	5.56E-11	2.75E-09
3686	744015.01	4107913	1.21E-08	2.20E-08	1.21E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.65E-09	1.82E-09	3.10E-09	2.30E-10	5.15E-09	1.03E-09	1.71E-09	5.67E-11	2.80E-09
3687	744051.3	4107938.27	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.90E-09	3.65E-09	1.83E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.75E-11	2.84E-09
3688	744087.59	4107963.55	1.23E-08	2.25E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.78E-09	1.86E-09	3.17E-09	2.35E-10	5.26E-09	1.06E-09	1.75E-09	5.79E-11	2.86E-09
3689	744123.88	4107988.83	1.24E-08	2.25E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.80E-09	1.87E-09	3.18E-09	2.36E-10	5.28E-09	1.06E-09	1.75E-09	5.82E-11	2.87E-09
3690	744160.17	4108014.11	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.92E-09	3.71E-09	1.86E-10	5.82E-09	1.87E-09	3.19E-09	2.36E-10	5.30E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
3691	744196.46	4108039.38	1.25E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.84E-09	1.88E-09	3.20E-09	2.37E-10	5.32E-09	1.07E-09	1.77E-09	5.86E-11	2.89E-09
3692	744232.75	4108064.66	1.26E-08	2.29E-08	1.26E-09	3.67E-08	1.95E-09	3.75E-09	1.88E-10	5.89E-09	1.89E-09	3.23E-09	2.39E-10	5.36E-09	1.08E-09	1.78E-09	5.90E-11	2.92E-09
3693	744269.04	4108089.94	1.27E-08	2.32E-08	1.27E-09	3.72E-08	1.97E-09	3.80E-09	1.91E-10	5.96E-09	1.92E-09	3.27E-09	2.42E-10	5.43E-09	1.09E-09	1.80E-09	5.98E-11	2.95E-09
3694	744305.33	4108115.21	1.29E-08	2.35E-08	1.29E-09	3.78E-08	2.00E-09	3.86E-09	1.94E-10	6.06E-09	1.95E-09	3.32E-09	2.46E-10	5.52E-09	1.11E-09	1.83E-09	6.07E-11	3.00E-09
3695	744341.62	4108140.49	1.32E-08	2.40E-08	1.32E-09	3.85E-08	2.04E-09	3.93E-09	1.98E-10	6.17E-09	1.98E-09	3.38E-09	2.51E-10	5.62E-09	1.13E-09	1.87E-09	6.19E-11	3.06E-09
3696	744377.91	4108165.77	1.34E-08	2.44E-08	1.34E-09	3.92E-08	2.08E-09	4.01E-09	2.01E-10	6.29E-09	2.02E-09	3.45E-09	2.55E-10	5.72E-09	1.15E-09	1.90E-09	6.30E-11	3.11E-09
3697	744414.2	4108191.04	1.36E-08	2.48E-08	1.36E-09	3.98E-08	2.11E-09	4.07E-09	2.04E-10	6.38E-09	2.05E-09	3.50E-09	2.59E-10	5.81E-09	1.17E-09	1.93E-09	6.40E-11	3.16E-09
3698	744450.49	4108216.32	1.38E-08	2.51E-08	1.38E-09	4.03E-08	2.14E-09	4.12E-09	2.07E-10	6.46E-09	2.08E-09	3.54E-09	2.63E-10	5.88E-09	1.18E-09	1.95E-09	6.48E-11	3.20E-09
3699	744486.78	4108241.6	1.39E-08	2.53E-08	1.39E-09	4.06E-08	2.15E-09	4.15E-09	2.08E-10	6.51E-09	2.09E-09	3.57E-09	2.65E-10	5.93E-09	1.19E-09	1.97E-09	6.52E-11	3.22E-09
3700	740232.71	4107337.78	3.93E-09	7.16E-09	3.93E-10	1.15E-08	6.09E-10	1.17E-09	5.90E-11	1.84E-09	5.93E-10	1.01E-09	7.49E-11	1.68E-09	3.37E-10	5.57E-10	1.85E-11	9.12E-10
3701	740195.09	4107361.7	4.05E-09	7.37E-09	4.05E-10	1.18E-08	6.27E-10	1.21E-09	6.07E-11	1.90E-09	6.10E-10	1.04E-09	7.71E-11	1.73E-09	3.47E-10	5.74E-10	1.90E-11	9.39E-10
3702	740157.46	4107385.62	4.15E-09	7.56E-09	4.15E-10	1.21E-08	6.44E-10	1.24E-09	6.23E-11	1.95E-09	6.26E-10	1.07E-09	7.91E-11	1.77E-09	3.56E-10	5.88E-10	1.95E-11	9.64E-10
3703	741778.38	4110028.65	1.04E-06	1.90E-06	1.04E-07	3.05E-06	1.62E-07	3.12E-07	1.56E-08	4.89E-07	1.57E-07	2.68E-07	1.99E-08	4.45E-07	8.93E-08	1.48E-07	4.90E-09	2.42E-07
3704	741802.6	4110066.63	1.32E-06	2.41E-06	1.33E-07	3.87E-06	2.05E-07	3.96E-07	1.99E-08	6.21E-07	2.00E-07	3.40E-07	2.52E-08	5.65E-07	1.13E-07	1.88E-07	6.22E-09	3.07E-07
3705	741826.83	4110104.6	1.38E-06	2.52E-06	1.38E-07	4.04E-06	2.15E-07	4.13E-07	2.08E-08	6.49E-07	2.09E-07	3.56E-07	2.64E-08	5.91E-07	1.19E-07	1.96E-07	6.50E-09	3.21E-07
3706	741838.94	4110123.59	1.34E-06	2.44E-06	1.34E-07	3.92E-06	2.08E-07	4.00E-07	2.01E-08	6.28E-07	2.02E-07	3.45E-07	2.55E-08	5.72E-07	1.15E-07	1.90E-07	6.30E-09	3.11E-07
3707	741851.06	4110142.58	1.25E-06	2.27E-06	1.25E-07	3.64E-06	1.93E-07	3.72E-07	1.87E-08	5.84E-07	1.88E-07	3.20E-07	2.37E-08	5.32E-07	1.07E-07	1.77E-07	5.85E-09	2.89E-07
3708	741863.17	4110161.57	1.10E-06	2.00E-06	1.10E-07	3.21E-06	1.70E-07	3.28E-07	1.65E-08	5.15E-07	1.66E-07	2.83E-07	2.09E-08	4.69E-07	9.42E-08	1.56E-07	5.17E-09	2.55E-07
3709	741875.28	4110180.55	9.15E-07	1.67E-06	9.16E-08	2.67E-06	1.42E-07	2.73E-07	1.37E-08	4.29E-07	1.38E-07	2.35E-07	1.74E-08	3.91E-07	7.84E-08	1.30E-07	4.30E-09	2.12E-07
3710	741887.4	4110199.54	7.25E-07	1.32E-06	7.25E-08	2.12E-06	1.12E-07	2.16E-07	1.09E-08	3.40E-07	1.09E-07	1.86E-07	1.38E-08	3.09E-07	6.21E-08	1.03E-07	3.41E-09	1.68E-07
3711	741750.64	4110004.38	7.46E-07	1.36E-06	7.46E-08	2.18E-06	1.16E-07	2.23E-07	1.12E-08	3.50E-07	1.12E-07	1.92E-07	1.42E-08	3.18E-07	6.39E-08	1.06E-07	3.50E-09	1.73E-07
3712	741805.75	4110118.05	1.04E-06	1.89E-06	1.04E-07	3.04E-06	1.61E-07	3.11E-07	1.56E-08	4.88E-07	1.57E-07	2.67E-07	1.98E-08	4.44E-07	8.91E-08	1.47E-07	4.89E-09	2.41E-07
3713	741817.87	4110137.04	1.00E-06	1.83E-06	1.00E-07	2.93E-06	1.55E-07	2.99E-07	1.50E-08	4.70E-07	1.51E-07	2.58E-07	1.91E-08	4.28E-07	8.59E-08	1.42E-07	4.71E-09	2.33E-07
3714	741829.98	4110156.02	9.34E-07	1.70E-06	9.35E-08	2.73E-06	1.45E-07	2.79E-07	1.40E-08	4.38E-07	1.41E-07	2.40E-07	1.78E-08	3.99E-07	8.01E-08	1.32E-07	4.39E-09	2.17E-07
3715	741842.09	4110175.01	8.40E-07	1.53E-06	8.41E-08	2.46E-06	1.30E-07	2.51E-07	1.26E-08	3.94E-07	1.27E-07	2.16E-07	1.60E-08	3.59E-07	7.20E-08	1.19E-07	3.95E-09	1.95E-07
3716	741854.21	4110194	7.25E-07	1.32E-06	7.25E-08	2.12E-06	1.12E-07	2.17E-07	1.09E-08	3.40E-07	1.09E-07	1.86E-07	1.38E-08	3.10E-07	6.21E-08	1.03E-07	3.41E-09	1.68E-07
3717	741866.32	4110212.99	6.02E-07	1.10E-06	6.02E-08	1.76E-06	9.34E-08	1.80E-07	9.04E-09	2.82E-07	9.08E-08	1.55E-07	1.15E-08	2.57E-07	5.16E-08	8.54E-08	2.83E-09	1.40E-07
3718	741736.22	4110055.54	7.19E-07	1.31E-06	7.19E-08	2.10E-06	1.11E-07	2.15E-07	1.08E-08	3.37E-07	1.08E-07	1.85E-07	1.37E-08	3.07E-07	6.16E-08	1.02E-07	3.38E-09	1.67E-07
3719	741760.45	4110093.52	8.14E-07	1.48E-06	8.15E-08	2.38E-06	1.26E-07	2.43E-07	1.22E-08	3.82E-07	1.23E-07	2.09E-07	1.55E-08	3.48E-07	6.98E-08	1.15E-07	3.83E-09	1.89E-07
3720	741784.68	4110131.49	8.15E-07	1.48E-06	8.15E-08	2.38E-06	1.26E-07	2.43E-07	1.22E-08	3.82E-07	1.23E-07	2.09E-07	1.55E-08	3.48E-07	6.98E-08	1.16E-07	3.83E-09	1.89E-07
3721	741796.79	4110150.48	7.84E-07	1.43E-06	7.84E-08	2.29E-06	1.22E-07	2.34E-07	1.18E-08	3.67E-07	1.18E-07	2.01E-07	1.49E-08	3.35E-07	6.71E-08	1.11E-07	3.68E-09	1.82E-07
3722	741808.9	4110169.47	7.36E-07	1.34E-06	7.36E-08	2.15E-06	1.14E-07	2.20E-07	1.10E-08	3.45E-07	1.11E-07	1.89E-07	1.40E-08	3.14E-07	6.30E-08	1.04E-07	3.46E-09	1.71E-07
3723	741821.02	4110188.46	6.73E-07	1.23E-06	6.73E-08	1.97E-06	1.04E-07	2.01E-07	1.01E-08	3.15E-07	1.01E-07	1.73E-07	1.28E-08	2.87E-07	5.77E-08	9.54E-08	3.16E-09	1.56E-07
3724	741833.13	4110207.45	5.95E-07	1.08E-06	5.95E-08	1.74E-06	9.23E-08	1.78E-07	8.93E-09	2.79E-07	8.97E-08	1.53E-07	1.13E-08	2.54E-07	5.10E-08	8.44E-08	2.80E-09	1.38E-07
3725	741845.24	4110226.43	5.10E-07	9.29E-07	5.10E-08	1.49E-06	7.91E-08	1.52E-07	7.65E-09	2.39E-07	7.69E-08	1.31E-07	9.71E-09	2.18E-07	4.37E-08	7.23E-08	2.40E-09	1.18E-07
3726	741707.08	4109922.22	3.76E-07	6.86E-07	3.77E-08	1.10E-06	5.84E-08	1.12E-07	5.65E-09	1.76E-07	5.68E-08	9.68E-08	7.17E-09	1.61E-07	3.23E-08	5.34E-08	1.77E-09	8.74E-08
3727	741694.07	4110082.43	5.22E-07	9.51E-07	5.22E-08	1.52E-06	8.09E-08	1.56E-07	7.83E-09	2.45E-07	7.87E-08	1.34E-07	9.94E-09	2.23E-07	4.47E-08	7.40E-08	2.45E-09	1.21E-07
3728	741718.3	4110120.41	5.57E-07	1.01E-06	5.57E-08	1.63E-06	8.64E-08	1.66E-07	8.36E-09	2.61E-07	8.40E-08	1.43E-07	1.06E-08	2.38E-07	4.77E-08	7.90E-08	2.62E-09	1.29E-07
3729	741742.53	4110158.39	5.46E-07	9.96E-07	5.47E-08	1.60E-06	8.47E-08	1.63E-07	8.20E-09	2.56E-07	8.24E-08	1.40E-07	1.04E-08	2.33E-07	4.68E-08	7.75E-08	2.57E-09	1.27E-07
3730	741766.75	4110196.36	5.02E-07	9.15E-07	5.02E-08	1.47E-06	7.78E-08	1.50E-07	7.53E-09	2.35E-07	7.57E-08	1.29E-07	9.56E-09	2.14E-07	4.30E-08	7.12E-08	2.36E-09	1.17E-07
3731	741778.87	4110215.35	4.69E-07	8.54E-07	4.69E-08	1.37E-06	7.27E-08	1.40E-07	7.04E-09	2.20E-07	7.07E-08	1.21E-07	8.93E-09	2.00E-07	4.02E-08	6.65E-08	2.20E-09	1.09E-07
3732	741790.98	4110234.34	4.27E-07	7.79E-07	4.28E-08	1.25E-06	6.63E-08	1.28E-07	6.42E-09	2.00E-07	6.45E-08	1.10E-07	8.15E-09	1.83E-07	3.66E-08	6.06E-08	2.01E-09	9.93E-08
3733	741803.09	4110253.32	3.80E-07	6.93E-07	3.80E-08	1.11E-06	5.90E-08	1.14E-07	5.71E-09	1.78E-07	5.73E-08	9.77E-08	7.25E-09	1.62E-07	3.26E-08	5.39E-08	1.79E-09	8.83E-08
3734	741648.11	4110087.77	4.00E-07	7.29E-07	4.00E-08	1.17E-06	6.21E-08	1.20E-07	6.01E-09	1.88E-07	6.03E-08	1.03E-07	7.63E-09	1.71E-07	3.43E-08	5.67E-08	1.88E-09	9.29E-08

3735	741640.5	4110044.66	3.99E-07	7.27E-07	3.99E-08	1.17E-06	6.19E-08	1.19E-07	5.99E-09	1.87E-07	6.02E-08	1.03E-07	7.61E-09	1.70E-07	3.42E-08	5.66E-08	1.88E-09	9.27E-08
3736	741632.89	4110001.55	3.70E-07	6.75E-07	3.71E-08	1.08E-06	5.75E-08	1.11E-07	5.56E-09	1.74E-07	5.59E-08	9.52E-08	7.06E-09	1.58E-07	3.17E-08	5.25E-08	1.74E-09	8.60E-08
3737	741637.84	4109940.51	3.16E-07	5.76E-07	3.16E-08	9.23E-07	4.90E-08	9.44E-08	4.74E-09	1.48E-07	4.76E-08	8.12E-08	6.02E-09	1.35E-07	2.71E-08	4.48E-08	1.48E-09	7.33E-08
3738	741688.1	4109868.82	2.63E-07	4.79E-07	2.63E-08	7.68E-07	4.07E-08	7.85E-08	3.94E-09	1.23E-07	3.96E-08	6.75E-08	5.01E-09	1.12E-07	2.25E-08	3.72E-08	1.23E-09	6.10E-08
3739	741664.03	4110128.31	4.02E-07	7.33E-07	4.02E-08	1.18E-06	6.24E-08	1.20E-07	6.04E-09	1.89E-07	6.06E-08	1.03E-07	7.66E-09	1.72E-07	3.45E-08	5.70E-08	1.89E-09	9.34E-08
3740	741676.15	4110147.3	4.06E-07	7.40E-07	4.06E-08	1.19E-06	6.29E-08	1.21E-07	6.09E-09	1.90E-07	6.12E-08	1.04E-07	7.73E-09	1.73E-07	3.48E-08	5.75E-08	1.91E-09	9.42E-08
3741	741688.26	4110166.29	4.04E-07	7.36E-07	4.04E-08	1.18E-06	6.26E-08	1.21E-07	6.06E-09	1.89E-07	6.09E-08	1.04E-07	7.69E-09	1.72E-07	3.46E-08	5.72E-08	1.90E-09	9.37E-08
3742	741700.37	4110185.28	3.97E-07	7.24E-07	3.98E-08	1.16E-06	6.16E-08	1.19E-07	5.97E-09	1.86E-07	5.99E-08	1.02E-07	7.57E-09	1.70E-07	3.41E-08	5.64E-08	1.87E-09	9.23E-08
3743	741712.49	4110204.26	3.87E-07	7.05E-07	3.87E-08	1.13E-06	6.00E-08	1.16E-07	5.81E-09	1.82E-07	5.84E-08	9.95E-08	7.38E-09	1.65E-07	3.32E-08	5.49E-08	1.82E-09	8.99E-08
3744	741724.6	4110223.25	3.72E-07	6.78E-07	3.73E-08	1.09E-06	5.77E-08	1.11E-07	5.59E-09	1.75E-07	5.61E-08	9.57E-08	7.09E-09	1.59E-07	3.19E-08	5.28E-08	1.75E-09	8.64E-08
3745	741736.71	4110242.24	3.52E-07	6.42E-07	3.52E-08	1.03E-06	5.46E-08	1.05E-07	5.29E-09	1.65E-07	5.31E-08	9.06E-08	6.71E-09	1.50E-07	3.02E-08	4.99E-08	1.66E-09	8.18E-08
3746	741748.83	4110261.23	3.27E-07	5.96E-07	3.27E-08	9.55E-07	5.07E-08	9.76E-08	4.91E-09	1.53E-07	4.93E-08	8.40E-08	6.23E-09	1.40E-07	2.80E-08	4.63E-08	1.54E-09	7.59E-08
3747	741760.94	4110280.22	2.97E-07	5.42E-07	2.98E-08	8.69E-07	4.61E-08	8.89E-08	4.46E-09	1.39E-07	4.49E-08	7.65E-08	5.67E-09	1.27E-07	2.55E-08	4.22E-08	1.40E-09	6.91E-08
3748	741587.57	4110010.48	3.09E-07	5.62E-07	3.09E-08	9.02E-07	4.79E-08	9.22E-08	4.63E-09	1.45E-07	4.65E-08	7.93E-08	5.88E-09	1.32E-07	2.64E-08	4.38E-08	1.45E-09	7.16E-08
3749	741613.11	4109895.33	2.39E-07	4.35E-07	2.39E-08	6.98E-07	3.70E-08	7.14E-08	3.58E-09	1.12E-07	3.60E-08	6.14E-08	4.55E-09	1.02E-07	2.05E-08	3.39E-08	1.12E-09	5.55E-08
3750	741637.55	4109860.48	2.17E-07	3.96E-07	2.18E-08	6.35E-07	3.37E-08	6.49E-08	3.26E-09	1.02E-07	3.28E-08	5.59E-08	4.14E-09	9.28E-08	1.86E-08	3.08E-08	1.02E-09	5.05E-08
3751	741609.77	4110136.22	3.06E-07	5.57E-07	3.06E-08	8.93E-07	4.74E-08	9.13E-08	4.59E-09	1.43E-07	4.61E-08	7.85E-08	5.82E-09	1.30E-07	2.62E-08	4.33E-08	1.44E-09	7.09E-08
3752	741633.99	4110174.19	3.10E-07	5.65E-07	3.10E-08	9.07E-07	4.81E-08	9.27E-08	4.66E-09	1.45E-07	4.68E-08	7.98E-08	5.91E-09	1.32E-07	2.66E-08	4.40E-08	1.46E-09	7.20E-08
3753	741658.22	4110212.17	3.07E-07	5.59E-07	3.07E-08	8.97E-07	4.76E-08	9.17E-08	4.61E-09	1.44E-07	4.63E-08	7.89E-08	5.85E-09	1.31E-07	2.63E-08	4.35E-08	1.44E-09	7.13E-08
3754	741670.33	4110231.16	3.01E-07	5.49E-07	3.01E-08	8.80E-07	4.67E-08	9.00E-08	4.52E-09	1.41E-07	4.54E-08	7.74E-08	5.74E-09	1.29E-07	2.58E-08	4.27E-08	1.42E-09	6.99E-08
3755	741682.45	4110250.14	2.92E-07	5.32E-07	2.92E-08	8.53E-07	4.53E-08	8.72E-08	4.38E-09	1.37E-07	4.40E-08	7.50E-08	5.56E-09	1.25E-07	2.50E-08	4.14E-08	1.37E-09	6.78E-08
3756	741694.56	4110269.13	2.79E-07	5.08E-07	2.79E-08	8.14E-07	4.32E-08	8.32E-08	4.18E-09	1.31E-07	4.20E-08	7.16E-08	5.31E-09	1.19E-07	2.39E-08	3.95E-08	1.31E-09	6.47E-08
3757	741718.79	4110307.11	2.41E-07	4.39E-07	2.41E-08	7.05E-07	3.74E-08	7.20E-08	3.62E-09	1.13E-07	3.64E-08	6.20E-08	4.59E-09	1.03E-07	2.07E-08	3.42E-08	1.13E-09	5.60E-08
3758	741563.98	4110142.53	2.51E-07	4.58E-07	2.51E-08	7.34E-07	3.90E-08	7.51E-08	3.77E-09	1.18E-07	3.79E-08	6.46E-08	4.79E-09	1.07E-07	2.15E-08	3.56E-08	1.18E-09	5.84E-08
3759	741556.72	4110101.38	2.64E-07	4.81E-07	2.64E-08	7.72E-07	4.10E-08	7.89E-08	3.96E-09	1.24E-07	3.98E-08	6.79E-08	5.03E-09	1.13E-07	2.26E-08	3.74E-08	1.24E-09	6.13E-08
3760	741549.45	4110060.23	2.69E-07	4.90E-07	2.69E-08	7.86E-07	4.17E-08	8.04E-08	4.04E-09	1.26E-07	4.06E-08	6.92E-08	5.13E-09	1.15E-07	2.31E-08	3.82E-08	1.26E-09	6.25E-08
3761	741542.18	4110019.08	2.61E-07	4.75E-07	2.61E-08	7.62E-07	4.04E-08	7.79E-08	3.91E-09	1.22E-07	3.93E-08	6.70E-08	4.97E-09	1.11E-07	2.23E-08	3.70E-08	1.23E-09	6.05E-08
3762	741534.92	4109977.93	2.41E-07	4.38E-07	2.41E-08	7.03E-07	3.73E-08	7.19E-08	3.61E-09	1.13E-07	3.63E-08	6.18E-08	4.58E-09	1.03E-07	2.06E-08	3.41E-08	1.13E-09	5.59E-08
3763	741539.65	4109919.67	2.12E-07	3.86E-07	2.12E-08	6.19E-07	3.28E-08	6.32E-08	3.18E-09	9.92E-08	3.19E-08	5.44E-08	4.03E-09	9.04E-08	1.81E-08	3.00E-08	9.95E-10	4.91E-08
3764	741599.62	4109834.13	1.77E-07	3.22E-07	1.77E-08	5.16E-07	2.74E-08	5.27E-08	2.65E-09	8.28E-08	2.66E-08	4.54E-08	3.36E-09	7.54E-08	1.51E-08	2.50E-08	8.30E-10	4.10E-08
3765	741623.61	4109799.91	1.62E-07	2.96E-07	1.62E-08	4.74E-07	2.52E-08	4.85E-08	2.44E-09	7.61E-08	2.45E-08	4.17E-08	3.09E-09	6.93E-08	1.39E-08	2.30E-08	7.63E-10	3.77E-08
3766	741579.73	4110182.1	2.46E-07	4.47E-07	2.46E-08	7.17E-07	3.81E-08	7.33E-08	3.68E-09	1.15E-07	3.70E-08	6.31E-08	4.68E-09	1.05E-07	2.10E-08	3.48E-08	1.15E-09	5.70E-08
3767	741591.84	4110201.08	2.47E-07	4.50E-07	2.47E-08	7.21E-07	3.83E-08	7.38E-08	3.71E-09	1.16E-07	3.72E-08	6.35E-08	4.70E-09	1.05E-07	2.12E-08	3.50E-08	1.16E-09	5.73E-08
3768	741603.95	4110220.07	2.47E-07	4.51E-07	2.48E-08	7.23E-07	3.84E-08	7.39E-08	3.71E-09	1.16E-07	3.73E-08	6.36E-08	4.72E-09	1.06E-07	2.12E-08	3.51E-08	1.16E-09	5.75E-08
3769	741616.07	4110239.06	2.46E-07	4.49E-07	2.47E-08	7.20E-07	3.82E-08	7.36E-08	3.70E-09	1.16E-07	3.72E-08	6.34E-08	4.70E-09	1.05E-07	2.11E-08	3.49E-08	1.16E-09	5.72E-08
3770	741628.18	4110258.05	2.43E-07	4.43E-07	2.43E-08	7.11E-07	3.77E-08	7.26E-08	3.65E-09	1.14E-07	3.67E-08	6.25E-08	4.63E-09	1.04E-07	2.08E-08	3.45E-08	1.14E-09	5.65E-08
3771	741640.29	4110277.04	2.37E-07	4.32E-07	2.37E-08	6.93E-07	3.68E-08	7.08E-08	3.56E-09	1.11E-07	3.58E-08	6.10E-08	4.52E-09	1.01E-07	2.03E-08	3.36E-08	1.11E-09	5.51E-08
3772	741652.41	4110296.02	2.28E-07	4.15E-07	2.28E-08	6.66E-07	3.54E-08	6.81E-08	3.42E-09	1.07E-07	3.44E-08	5.86E-08	4.34E-09	9.73E-08	1.95E-08	3.23E-08	1.07E-09	5.29E-08
3773	741664.52	4110315.01	2.16E-07	3.93E-07	2.16E-08	6.30E-07	3.35E-08	6.44E-08	3.24E-09	1.01E-07	3.25E-08	5.55E-08	4.11E-09	9.21E-08	1.85E-08	3.06E-08	1.01E-09	5.01E-08
3774	741676.63	4110334	2.01E-07	3.66E-07	2.01E-08	5.87E-07	3.12E-08	6.01E-08	3.02E-09	9.43E-08	3.03E-08	5.17E-08	3.83E-09	8.58E-08	1.72E-08	2.85E-08	9.45E-10	4.67E-08
3775	741479.5	4110195.34	1.71E-07	3.12E-07	1.71E-08	5.01E-07	2.66E-08	5.12E-08	2.57E-09	8.03E-08	2.58E-08	4.40E-08	3.26E-09	7.31E-08	1.47E-08	2.43E-08	8.05E-10	3.98E-08
3776	741471.89	4110152.23	1.82E-07	3.32E-07	1.82E-08	5.33E-07	2.83E-08	5.45E-08	2.74E-09	8.55E-08	2.75E-08	4.69E-08	3.48E-09	7.79E-08	1.56E-08	2.59E-08	8.57E-10	4.23E-08
3777	741464.28	4110109.11	1.93E-07	3.52E-07	1.93E-08	5.65E-07	3.00E-08	5.77E-08	2.90E-09	9.06E-08	2.91E-08	4.97E-08	3.68E-09	8.25E-08	1.66E-08	2.74E-08	9.08E-10	4.49E-08
3778	741456.67	4110066	1.98E-07	3.60E-07	1.98E-08	5.78E-07	3.07E-08	5.90E-08	2.97E-09	9.27E-08	2.98E-08	5.08E-08	3.77E-09	8.44E-08	1.69E-08	2.80E-08	9.29E-10	4.59E-08
3779	741449.06	4110022.89	1.92E-07	3.50E-07	1.92E-08	5.62E-07	2.98E-08	5.75E-08	2.89E-09	9.02E-08	2.90E-08	4.94E-08	3.66E-09	8.21E-08	1.65E-08	2.73E-08	9.04E-10	4.47E-08
3780	741441.44	4109979.78	1.79E-07	3.27E-07	1.80E-08	5.24E-07	2.78E-08	5.36E-08	2.69E-09	8.41E-08	2.71E-08	4.61E-08	3.42E-09	7.66E-08	1.54E-08	2.54E-08	8.43E-10	4.17E-08
3781	741433.83	4109936.67	1.63E-07	2.98E-07	1.64E-08	4.78E-07	2.54E-08	4.88E-08	2.45E-09	7.66E-08	2.47E-08	4.20E-08	3.12E-09	6.98E-08	1.40E-08	2.32E-08	7.68E-10	3.80E-08
3782	741442.59	4109897.19	1.53E-07	2.79E-07	1.53E-08	4.48E-07	2.38E-08	4.58E-08	2.30E-09	7.19E-08	2.31E-08	3.94E-08	2.92E-09	6.55E-08	1.31E-08	2.17E-08	7.20E-10	3.56E-08
3783	741505.42	4109807.58	1.32E-07	2.41E-07	1.32E-08	3.86E-07	2.05E-08	3.95E-08	1.98E-09	6.19E-08	1.99E-08	3.40E-08	2.52E-09	5.64E-08	1.13E-08	1.87E-08	6.21E-10	3.07E-08
3784	741530.55	4109771.73	1.21E-07	2.21E-07	1.21E-08	3.54E-07	1.88E-08	3.62E-08	1.82E-09	5.67E-08	1.83E-08	3.11E-08	2.31E-09	5.17E-08	1.04E-08	1.72E-08	5.69E-10	2.81E-08
3785	741555.68	4109735.89	1.10E-07	2.01E-07	1.10E-08	3.22E-07	1.71E-08	3.29E-08	1.65E-09	5.16E-08	1.66E-08	2.83E-08	2.10E-09	4.70E-08	9.44E-09	1.56E-08	5.18E-10	2.56E-08
3786	741580.81	4109700.04	9.95E-08	1.81E-07	9.96E-09	2.91E-07	1.54E-08	2.97E-08	1.49E-09	4.66E-08	1.50E-08	2.56E-08	1.90E-09	4.25E-08	8.53E-09	1.41E-08	4.68E-10	2.31E-08
3787	741495.42	4110235.88	1.68E-07	3.07E-07	1.68E-08	4.92E-07	2.61E-08	5.03E-08	2.53E-09	7.89E-08	2.54E-08	4.33E-08	3.21E-09	7.19E-08	1.44E-08	2.39E-08	7.91E-10	3.91E-08
3788	741519.65	4110273.86	1.71E-07	3.12E-07	1.71E-08	5.00E-07	2.66E-08	5.12E-08	2.57E-09	8.03E-08	2.58E-08	4.40E-08	3.26E-09	7.31E-08	1.47E-08	2.43E-08	8.05E-10	3.98E-08
3789	741531.76	4110292.84	1.72E-07	3.13E-07	1.72E-08	5.01E-07	2.66E-08	5.13E-08	2.58E-09	8.04E-08	2.59E-08	4.41E-08	3.27E-09	7.32E-08	1.47E-08	2.43E-08	8.06E-10	3.98E-08
3790	741543.88	4110311.83	1.71E-07	3.11E-07	1.71E-08	4.99E-07	2.65E-08	5.10E-08	2.56E-09	8.00E-08	2.57E-08	4.39E-08	3.25E-09	7.28E-08	1.46E-08	2.42E-08	8.02E-10	3.96E-08
3791	741555.99	4110330.82	1.68E-07	3.06E-07	1.68E-08	4.91E-07	2.60E-08	5.02E-08	2.52E-09	7.87E-08	2.53E-08	4.32E-08	3.20E-09	7.17E-08	1.44E-08	2.38E-08	7.89E-10	3.90E-08
3792	741568.1	4110349.81	1.63E-07	2.98E-07	1.63E-08	4.77E-07	2.53E-08	4.88E-08	2.45E-09	7.66E-08	2.46E-08	4.20E-08	3.11E-09	6.97E-08	1.40E-08	2.32E-08	7.67E-10	3.79E-08
3793	741580.22	4110368.79	1.57E-07	2.86E-07	1.57E-08	4.58E-07	2.43E-08	4.68E-08	2.35E-09	7.35E-08	2.36E-08	4.03E-08	2.99E-09	6.69E-08	1.34E-08	2.22E-08	7.37E-10	3.64E-08
3794	741592.33	4110387.78	1.48E-07	2.71E-07	1.49E-08	4.34E-07	2.30E-08	4.44E-08	2.23E-09	6.96E-08	2.24E-08	3.82E-08	2.83E-09	6.34E-08	1.27E-08	2.11E-08	6.98E-10	3.45E-08
3795	741395.3	4110249.72	1.26E-07	2.29E-07	1.26E-08	3.67E-07	1.95E-08	3.76E-08	1.89E-09	5.90E-08	1.90E-08	3.23E-08	2.40E-09	5.37E-08	1.08E-08	1.78E-08	5.91E-10	2.92E-08
3796	741387.9	4110207.8	1.32E-07	2.40E-07	1.32E-08	3.85E-07	2.04E-08	3.94E-08	1.98E-09	6.18E-08	1.99E-08	3.39E-08	2.51E-09	5.62E-08	1.13E-08	1.87E-08	6.19E-10	3.06E-08
3797	741380.5	4110165.89	1.40E-07	2.56E-07	1.40E-08	4.10E-07	2.18E-08	4.19E-08	2.11E-09	6.58E-08	2.12E-08	3.61E-08	2.67E-09	5.99E-08	1.20E-08	1.99E-08	6.60E-10	3.26E-08
3798	741373.1	4110123.98	1.49E-07	2.71E-07	1.49E-08	4.35E-07	2.31E-08	4.45E-08	2.24E-09	6.98E-08	2.25E-08	3.83E-08	2.84E-09	6.36E-08	1.28E-08	2.11E-08	7.00E-10	3.46E-08
3799	741365.7	4110082.06	1.54E-07	2.80E-07	1.54E-08	4.49E-07	2.38E-08	4.59E-08	2.31E-09	7.20E-08	2.32E-08	3.95E-08	2.93E-09	6.56E-08	1.32E-08	2.18E-08	7.22E-10	3.57E-08
3800	741358.3	4110040.15	1.52E-07	2.76E-07	1.52E-08	4.43E-07	2.35E-08	4.53E-08	2.28E-09	7.11E-08	2.29E-08	3.90E-08	2.89E-09	6.48E-08	1.30E-08	2.15E-08	7.13E-10	3.52E-08
3801	741350.9	4109998.24	1.44E-07	2.62E-07	1.44E-08	4.21E-07	2.23E-08	4.30E-08	2.16E-09	6.75E-08	2.17E-08	3.70E-08	2.74E-09	6.15E-08	1.23E-08	2.04E-08	6.77E-10	3.34E-08
3802	741343.5	4109956.32	1.34E-07	2.44E-07	1.34E-08	3.91E-07	2.07E-08	4.00E-08	2.01E-09	6.27E-08	2.02E-08	3.44E-08	2.55E-09	5.71E-08	1.15E-08	1.90E-08	6.28E-10	3.10E-08
3803	741336.1	4109914.41	1.23E-07	2.24E-07	1.23E-08	3.60E-07	1.91E-08	3.68E-08	1.85E-09	5.77E-08	1.86E-08	3.16E-08	2.35E-09	5.25E-08	1.05E-08	1.74E-08	5.78E-10	2.86E-08
3804	741344.62	4109876.03	1.17E-07	2.13E-07	1.17E-08	3.42E-07	1.82E-08	3.50E-08	1.76E-09	5.49E-08	1.77E-08	3.01E-08	2.23E-09	5.00E-08	1.00E-08	1.66E-08	5.51E-10	2.72E-08
3805	741405.7	4109788.9	1.06E-07	1.93E-07	1.06E-08	3.09E-07	1.64E-08	3.16E-08	1.59E-09	4.96E-08	1.59E-08	2.72E-08	2.01E-09	4.51E-08	9.06E-09	1.50E-08	4.97E-10	2.45E-08
3806	741430.13	4109754.05	9.82E-08	1.79E-07	9.82E-09	2.87E-07	1.52E-08	2.93E-08	1.47E-09	4.60E-08	1.48E-08	2.52E-08	1.87E-09	4.19E-08	8.41E-09	1.39E-08	4.61E-10	2.28E-08
3807	741454.56	4109719.2	8.96E-08	1.63E-07	8.97E-09	2.62E-07	1.39E-08	2.68E-08	1.35E-09	4.20E-08	1.35E-08	2.30E-08	1.71E-09	3.83E-08	7.68E-09	1.27E-08	4.21E-10	2.08E-08
3808	741479	4109684.35	8.13E-08	1.48E-07	8.13E-09	2.38E-07	1.26E-08	2.43E-08	1.22E-09	3.81E-08	1.23E-08	2.09E-08	1.55E-09	3.47E-08	6.96E-09	1.15E-08	3.82E-10	1.89E-08
3809	741503.43	4109649.5	7.42E-08	1.35E-07	7.43E-09	2.17E-07	1.15E-08	2.22E-08	1.11E-09	3.48E-08	1.12E-08	1.91E-08	1.41E-09	3.17E-08	6.36E-09	1.05E-08	3.49E-10	1.72E-08
3810	741527.86	4109614.65	6.79E-08	1.24E-07	6.80E-09	1.98E-07	1.05E-08	2.03E-08	1.02E-09	3.18E-08	1.02E-08	1.75E-08	1.29E-09	2.90E-08	5.82E-09	9.63E-09	3.19E-10	1.58E-08
3811	741411.12	4110289.66	1.25E-07	2.28E-07	1.25E-08	3.66E-07	1.94E-08	3.74E-08	1.88E-09	5.86E-08	1.89E-08	3.22E-08	2.38E-09	5.34E-08	1.07E-08	1.77E-08	5.88E-10	2.90E-08
3812	741423.23	4110308.65	1.27E-07	2.31E-07	1.27E-08	3.70E-07	1.96E-08	3.78E-08	1.90E-09	5.93E-08	1.91E-08	3.25E-08	2.41E-09	5.40E-08	1.08E-08	1.79E-08	5.95E-10	2.94E-08
3813	741435.34	4110327.64	1.28E-07	2.33E-07	1.28E-08	3.73E-07	1.98E-08	3.82E-08	1.92E-09	5.99E-08	1.93E-08	3.28E-08	2.43E-09	5.45E-08	1.09E-08	1.81E-08	6.00E-10	2.97E-08
3814	741447.46	4110346.63	1.28E-07	2.34E-07	1.28E-08	3.75E-07	1.99E-08	3.84E-08	1.93E-09	6.02E-08	1.94E-08	3.30E-08	2.45E-09	5.48E-08	1.10E-08	1.82E-08	6.03E-10	2.98E-08
3815	741471.68	4110384.6	1.27E-07	2.31E-07	1.27E-08	3.70E-07	1.97E-08	3.79E-08	1.90E-09	5.94E-08	1.91E-08	3.26E-08	2.42E-09	5.41E-08	1.09E-08	1.80E-08	5.96E-10	2.94E-08
3816	741483.8	4110403.59	1.24E-07	2.26E-07	1.24E-08	3.63E-07	1.92E-08	3.71E-08	1.86E-09	5.82E-08	1.87E-08	3.19E-08	2.37E-09	5.30E-08	1.06E-08	1.76E-08	5.83E-10	2.88E-08
3817	741495.91	4110422.58	1.20E-07	2.19E-07	1.20E-08	3.52E-07	1.87E-08	3.60E-08	1.81E-09	5.64E-08	1.81E-08	3.09E-08	2.29E-09	5.14E-08	1.03E-08	1.71E-08	5.66E-10	2.79E-08
3818	741508.02	4110441.56	1.15E-07	2.10E-07	1.16E-08	3.37E-07	1.79E-08	3.45E-08	1.73E-09	5.41E-08	1.74E-08	2.97E-08	2.20E-09	4.93E-08	9.89E-09	1.64E-08	5.43E-10	2.68E-08
3819	741310.89	4110302.9	9.77E-08	1.78E-07	9.78E-09	2.86E-07	1.52E-08	2.92E-08	1.47E-09	4.58E-08	1.47E-08	2.51E-08	1.86E-09	4.17E-08	8.37E-09	1.39E-08	4.59E-10	2.27E-08
3820	741303.28	4110259.79	1.01E-07	1.84E-07	1.01E-08	2.95E-07	1.56E-08	3.01E-08	1.51E-09	4.73E-08	1.52E-08	2.59E-08	1.92E-09	4.30E-08	8.64E-09	1.43E-08	4.74E-10	2.34E-08
3821	741295.67	4110216.68	1.06E-07	1.94E-07	1.06E-08	3.10E-07	1.65E-08	3.17E-08	1.59E-09	4.98E-08	1.60E-08	2.73E-08	2.02E-09	4.53E-08	9.10E-09	1.51E-08	4.99E-10	2.47E-08
3822	741288.06	4110173.57	1.14E-07	2.07E-07	1.14E-08	3.32E-07	1.76E-08	3.39E-08	1.70E-09	5.32E-08	1.71E-08	2.92E-08	2.16E-09	4.85E-08	9.73E-09	1.61E-08	5.34E-10	2.64E-08
3823	741280.45	4110130.46	1.21E-07	2.20E-07	1.21E-08	3.52E-07	1.87E-08	3.60E-08	1.81E-09	5.65E-08	1.82E-08	3.10E-08	2.30E-09	5.15E-08	1.03E-08	1.71E-08	5.67E-10	2.80E-08

3824	741272.83	4110087.35	1.24E-07	2.26E-07	1.24E-08	3.63E-07	1.93E-08	3.71E-08	1.86E-09	5.82E-08	1.87E-08	3.19E-08	2.37E-09	5.30E-08	1.06E-08	1.76E-08	5.84E-10	2.88E-08
3825	741265.22	4110044.24	1.22E-07	2.23E-07	1.23E-08	3.58E-07	1.90E-08	3.66E-08	1.84E-09	5.74E-08	1.85E-08	3.15E-08	2.33E-09	5.23E-08	1.05E-08	1.74E-08	5.75E-10	2.84E-08
3826	741257.61	4110001.13	1.16E-07	2.12E-07	1.16E-08	3.40E-07	1.80E-08	3.47E-08	1.74E-09	5.45E-08	1.75E-08	2.99E-08	2.21E-09	4.96E-08	9.96E-09	1.65E-08	5.46E-10	2.70E-08
3827	741250	4109958.02	1.08E-07	1.97E-07	1.08E-08	3.16E-07	1.68E-08	3.23E-08	1.62E-09	5.07E-08	1.63E-08	2.78E-08	2.06E-09	4.62E-08	9.27E-09	1.53E-08	5.09E-10	2.51E-08
3828	741242.39	4109914.9	1.01E-07	1.83E-07	1.01E-08	2.94E-07	1.56E-08	3.00E-08	1.51E-09	4.71E-08	1.52E-08	2.58E-08	1.91E-09	4.29E-08	8.61E-09	1.42E-08	4.72E-10	2.33E-08
3829	741247.34	4109853.87	9.32E-08	1.70E-07	9.32E-09	2.72E-07	1.45E-08	2.78E-08	1.40E-09	4.37E-08	1.41E-08	2.40E-08	1.78E-09	3.98E-08	7.98E-09	1.32E-08	4.38E-10	2.16E-08
3830	741310.17	4109764.26	8.63E-08	1.57E-07	8.63E-09	2.52E-07	1.34E-08	2.58E-08	1.29E-09	4.04E-08	1.30E-08	2.22E-08	1.64E-09	3.68E-08	7.39E-09	1.22E-08	4.05E-10	2.00E-08
3831	741335.3	4109728.41	8.08E-08	1.47E-07	8.09E-09	2.36E-07	1.25E-08	2.41E-08	1.21E-09	3.79E-08	1.22E-08	2.08E-08	1.54E-09	3.45E-08	6.92E-09	1.15E-08	3.80E-10	1.88E-08
3832	741360.43	4109692.56	7.40E-08	1.35E-07	7.41E-09	2.16E-07	1.15E-08	2.21E-08	1.11E-09	3.47E-08	1.12E-08	1.90E-08	1.41E-09	3.16E-08	6.34E-09	1.05E-08	3.48E-10	1.72E-08
3833	741385.56	4109656.72	6.68E-08	1.22E-07	6.69E-09	1.95E-07	1.04E-08	2.00E-08	1.00E-09	3.13E-08	1.01E-08	1.72E-08	1.27E-09	2.85E-08	5.73E-09	9.47E-09	3.14E-10	1.55E-08
3834	741410.69	4109620.87	6.06E-08	1.10E-07	6.06E-09	1.77E-07	9.40E-09	1.81E-08	9.09E-10	2.84E-08	9.14E-09	1.56E-08	1.15E-09	2.59E-08	5.19E-09	8.59E-09	2.85E-10	1.41E-08
3835	741435.82	4109585.03	5.58E-08	1.02E-07	5.59E-09	1.63E-07	8.66E-09	1.67E-08	8.38E-10	2.62E-08	8.42E-09	1.43E-08	1.06E-09	2.38E-08	4.78E-09	7.91E-09	2.62E-10	1.30E-08
3836	741460.95	4109549.18	5.18E-08	9.45E-08	5.19E-09	1.52E-07	8.04E-09	1.55E-08	7.78E-10	2.43E-08	7.82E-09	1.33E-08	9.88E-10	2.21E-08	4.44E-09	7.35E-09	2.44E-10	1.20E-08
3837	741326.81	4110343.45	9.78E-08	1.78E-07	9.79E-09	2.86E-07	1.52E-08	2.92E-08	1.47E-09	4.59E-08	1.48E-08	2.52E-08	1.86E-09	4.18E-08	8.38E-09	1.39E-08	4.60E-10	2.27E-08
3838	741338.92	4110362.43	9.90E-08	1.80E-07	9.90E-09	2.89E-07	1.54E-08	2.96E-08	1.49E-09	4.64E-08	1.49E-08	2.54E-08	1.89E-09	4.23E-08	8.48E-09	1.40E-08	4.65E-10	2.30E-08
3839	741351.04	4110381.42	1.00E-07	1.82E-07	1.00E-08	2.92E-07	1.55E-08	2.99E-08	1.50E-09	4.69E-08	1.51E-08	2.57E-08	1.91E-09	4.27E-08	8.57E-09	1.42E-08	4.70E-10	2.32E-08
3840	741363.15	4110400.41	1.01E-07	1.83E-07	1.01E-08	2.94E-07	1.56E-08	3.01E-08	1.51E-09	4.72E-08	1.52E-08	2.59E-08	1.92E-09	4.30E-08	8.63E-09	1.43E-08	4.73E-10	2.34E-08
3841	741375.26	4110419.4	1.01E-07	1.84E-07	1.01E-08	2.94E-07	1.56E-08	3.01E-08	1.51E-09	4.72E-08	1.52E-08	2.59E-08	1.92E-09	4.30E-08	8.63E-09	1.43E-08	4.74E-10	2.34E-08
3842	741387.38	4110438.38	1.00E-07	1.82E-07	1.00E-08	2.93E-07	1.55E-08	2.99E-08	1.50E-09	4.69E-08	1.51E-08	2.57E-08	1.91E-09	4.27E-08	8.58E-09	1.42E-08	4.70E-10	2.32E-08
3843	741411.6	4110476.36	9.62E-08	1.75E-07	9.62E-09	2.81E-07	1.49E-08	2.87E-08	1.44E-09	4.51E-08	1.45E-08	2.47E-08	1.83E-09	4.11E-08	8.24E-09	1.36E-08	4.52E-10	2.23E-08
3844	741423.72	4110495.35	9.30E-08	1.69E-07	9.30E-09	2.72E-07	1.44E-08	2.78E-08	1.40E-09	4.36E-08	1.40E-08	2.39E-08	1.77E-09	3.97E-08	7.97E-09	1.32E-08	4.37E-10	2.16E-08
3845	741226.51	4110356.24	7.89E-08	1.44E-07	7.90E-09	2.31E-07	1.22E-08	2.36E-08	1.18E-09	3.70E-08	1.19E-08	2.03E-08	1.50E-09	3.37E-08	6.76E-09	1.12E-08	3.71E-10	1.83E-08
3846	741218.74	4110312.23	8.07E-08	1.47E-07	8.07E-09	2.36E-07	1.25E-08	2.41E-08	1.21E-09	3.78E-08	1.22E-08	2.07E-08	1.54E-09	3.45E-08	6.92E-09	1.14E-08	3.79E-10	1.87E-08
3847	741210.97	4110268.22	8.38E-08	1.53E-07	8.38E-09	2.45E-07	1.30E-08	2.50E-08	1.26E-09	3.93E-08	1.26E-08	2.15E-08	1.60E-09	3.58E-08	7.18E-09	1.19E-08	3.94E-10	1.94E-08
3848	741203.2	4110224.21	8.87E-08	1.62E-07	8.87E-09	2.59E-07	1.38E-08	2.65E-08	1.33E-09	4.16E-08	1.34E-08	2.28E-08	1.69E-09	3.79E-08	7.60E-09	1.26E-08	4.17E-10	2.06E-08
3849	741195.43	4110180.2	9.50E-08	1.73E-07	9.50E-09	2.78E-07	1.47E-08	2.84E-08	1.43E-09	4.45E-08	1.43E-08	2.44E-08	1.81E-09	4.05E-08	8.14E-09	1.35E-08	4.46E-10	2.21E-08
3850	741187.66	4110136.19	1.01E-07	1.84E-07	1.01E-08	2.94E-07	1.56E-08	3.01E-08	1.51E-09	4.72E-08	1.52E-08	2.59E-08	1.92E-09	4.30E-08	8.63E-09	1.43E-08	4.74E-10	2.34E-08
3851	741179.89	4110092.18	1.03E-07	1.89E-07	1.04E-08	3.02E-07	1.60E-08	3.09E-08	1.55E-09	4.85E-08	1.56E-08	2.66E-08	1.97E-09	4.42E-08	8.86E-09	1.47E-08	4.86E-10	2.40E-08
3852	741172.12	4110048.17	1.02E-07	1.85E-07	1.02E-08	2.97E-07	1.58E-08	3.04E-08	1.53E-09	4.77E-08	1.53E-08	2.61E-08	1.94E-09	4.34E-08	8.72E-09	1.44E-08	4.78E-10	2.36E-08
3853	741164.35	4110004.16	9.65E-08	1.76E-07	9.65E-09	2.82E-07	1.50E-08	2.88E-08	1.45E-09	4.52E-08	1.45E-08	2.48E-08	1.84E-09	4.12E-08	8.27E-09	1.37E-08	4.53E-10	2.24E-08
3854	741156.57	4109960.16	8.99E-08	1.64E-07	8.99E-09	2.63E-07	1.39E-08	2.69E-08	1.35E-09	4.21E-08	1.36E-08	2.31E-08	1.71E-09	3.84E-08	7.70E-09	1.27E-08	4.22E-10	2.09E-08
3855	741148.8	4109916.15	8.38E-08	1.53E-07	8.38E-09	2.45E-07	1.30E-08	2.50E-08	1.26E-09	3.93E-08	1.26E-08	2.15E-08	1.60E-09	3.58E-08	7.18E-09	1.19E-08	3.94E-10	1.94E-08
3856	741141.03	4109872.14	7.86E-08	1.43E-07	7.87E-09	2.30E-07	1.22E-08	2.35E-08	1.18E-09	3.69E-08	1.19E-08	2.02E-08	1.50E-09	3.36E-08	6.74E-09	1.11E-08	3.70E-10	1.83E-08
3857	741149.98	4109831.84	7.64E-08	1.39E-07	7.64E-09	2.23E-07	1.18E-08	2.28E-08	1.15E-09	3.58E-08	1.15E-08	1.96E-08	1.45E-09	3.26E-08	6.54E-09	1.08E-08	3.59E-10	1.77E-08
3858	741175.63	4109795.24	7.57E-08	1.38E-07	7.57E-09	2.21E-07	1.17E-08	2.26E-08	1.14E-09	3.55E-08	1.14E-08	1.95E-08	1.44E-09	3.23E-08	6.48E-09	1.07E-08	3.56E-10	1.76E-08
3859	741201.28	4109758.65	7.37E-08	1.34E-07	7.37E-09	2.15E-07	1.14E-08	2.20E-08	1.11E-09	3.45E-08	1.11E-08	1.89E-08	1.40E-09	3.15E-08	6.31E-09	1.04E-08	3.46E-10	1.71E-08
3860	741214.11	4109740.35	7.22E-08	1.32E-07	7.22E-09	2.11E-07	1.12E-08	2.16E-08	1.08E-09	3.39E-08	1.09E-08	1.86E-08	1.38E-09	3.08E-08	6.19E-09	1.02E-08	3.39E-10	1.68E-08
3861	741239.77	4109703.76	6.82E-08	1.24E-07	6.83E-09	1.99E-07	1.06E-08	2.04E-08	1.02E-09	3.20E-08	1.03E-08	1.75E-08	1.30E-09	2.91E-08	5.85E-09	9.68E-09	3.21E-10	1.58E-08
3862	741265.42	4109667.17	6.30E-08	1.15E-07	6.30E-09	1.84E-07	9.77E-09	1.88E-08	9.45E-10	2.95E-08	9.50E-09	1.62E-08	1.20E-09	2.69E-08	5.40E-09	8.93E-09	2.96E-10	1.46E-08
3863	741278.25	4109648.87	6.00E-08	1.09E-07	6.01E-09	1.75E-07	9.31E-09	1.79E-08	9.01E-10	2.81E-08	9.05E-09	1.54E-08	1.14E-09	2.56E-08	5.14E-09	8.51E-09	2.82E-10	1.39E-08
3864	741303.9	4109612.28	5.41E-08	9.86E-08	5.41E-09	1.58E-07	8.39E-09	1.62E-08	8.12E-10	2.54E-08	8.16E-09	1.39E-08	1.03E-09	2.31E-08	4.64E-09	7.67E-09	2.54E-10	1.26E-08
3865	741329.55	4109575.69	4.90E-08	8.94E-08	4.91E-09	1.43E-07	7.61E-09	1.47E-08	7.36E-10	2.30E-08	7.40E-09	1.26E-08	9.35E-10	2.09E-08	4.20E-09	6.95E-09	2.31E-10	1.14E-08
3866	741355.21	4109539.09	4.53E-08	8.25E-08	4.53E-09	1.32E-07	7.02E-09	1.35E-08	6.79E-10	2.12E-08	6.82E-09	1.16E-08	8.62E-10	1.93E-08	3.88E-09	6.42E-09	2.13E-10	1.05E-08
3867	741380.86	4109502.5	4.24E-08	7.73E-08	4.24E-09	1.24E-07	6.58E-09	1.27E-08	6.37E-10	1.99E-08	6.40E-09	1.09E-08	8.08E-10	1.81E-08	3.63E-09	6.01E-09	1.99E-10	9.85E-09
3868	741406.52	4109465.91	4.01E-08	7.30E-08	4.01E-09	1.17E-07	6.22E-09	1.20E-08	6.02E-10	1.88E-08	6.04E-09	1.03E-08	7.64E-10	1.71E-08	3.43E-09	5.68E-09	1.88E-10	9.31E-09
3869	741419.34	4109447.61	3.90E-08	7.11E-08	3.91E-09	1.14E-07	6.05E-09	1.17E-08	5.86E-10	1.83E-08	5.89E-09	1.00E-08	7.44E-10	1.67E-08	3.35E-09	5.54E-09	1.83E-10	9.06E-09
3870	741242.51	4110397.23	7.92E-08	1.44E-07	7.93E-09	2.32E-07	1.23E-08	2.37E-08	1.19E-09	3.72E-08	1.19E-08	2.04E-08	1.51E-09	3.38E-08	6.79E-09	1.12E-08	3.72E-10	1.84E-08
3871	741254.62	4110416.22	8.02E-08	1.46E-07	8.03E-09	2.34E-07	1.24E-08	2.40E-08	1.20E-09	3.76E-08	1.21E-08	2.06E-08	1.53E-09	3.42E-08	6.87E-09	1.14E-08	3.77E-10	1.86E-08
3872	741266.73	4110435.2	8.11E-08	1.48E-07	8.11E-09	2.37E-07	1.26E-08	2.42E-08	1.22E-09	3.80E-08	1.22E-08	2.08E-08	1.54E-09	3.46E-08	6.95E-09	1.15E-08	3.81E-10	1.88E-08
3873	741278.85	4110454.19	8.16E-08	1.49E-07	8.17E-09	2.39E-07	1.27E-08	2.44E-08	1.23E-09	3.83E-08	1.23E-08	2.10E-08	1.56E-09	3.49E-08	7.00E-09	1.16E-08	3.84E-10	1.90E-08
3874	741290.96	4110473.18	8.19E-08	1.49E-07	8.19E-09	2.39E-07	1.27E-08	2.45E-08	1.23E-09	3.84E-08	1.23E-08	2.10E-08	1.56E-09	3.49E-08	7.01E-09	1.16E-08	3.85E-10	1.90E-08
3875	741303.07	4110492.17	8.16E-08	1.49E-07	8.16E-09	2.38E-07	1.27E-08	2.44E-08	1.22E-09	3.82E-08	1.23E-08	2.10E-08	1.55E-09	3.48E-08	6.99E-09	1.16E-08	3.83E-10	1.89E-08
3876	741315.19	4110511.16	8.07E-08	1.47E-07	8.07E-09	2.36E-07	1.25E-08	2.41E-08	1.21E-09	3.78E-08	1.22E-08	2.07E-08	1.54E-09	3.44E-08	6.91E-09	1.14E-08	3.79E-10	1.87E-08
3877	741327.3	4110530.14	7.92E-08	1.44E-07	7.92E-09	2.31E-07	1.23E-08	2.36E-08	1.19E-09	3.71E-08	1.19E-08	2.04E-08	1.51E-09	3.38E-08	6.78E-09	1.12E-08	3.72E-10	1.84E-08
3878	741339.41	4110549.13	7.70E-08	1.40E-07	7.71E-09	2.25E-07	1.19E-08	2.30E-08	1.16E-09	3.61E-08	1.16E-08	1.98E-08	1.47E-09	3.29E-08	6.60E-09	1.09E-08	3.62E-10	1.79E-08
3879	741057.91	4110463.9	5.57E-08	1.02E-07	5.58E-09	1.63E-07	8.64E-09	1.67E-08	8.37E-10	2.61E-08	8.41E-09	1.43E-08	1.06E-09	2.38E-08	4.78E-09	7.90E-09	2.62E-10	1.29E-08
3880	741050.18	4110420.1	5.64E-08	1.03E-07	5.65E-09	1.65E-07	8.75E-09	1.69E-08	8.47E-10	2.65E-08	8.51E-09	1.45E-08	1.08E-09	2.41E-08	4.83E-09	8.00E-09	2.65E-10	1.31E-08
3881	741042.45	4110376.29	5.74E-08	1.05E-07	5.75E-09	1.68E-07	8.91E-09	1.72E-08	8.62E-10	2.69E-08	8.66E-09	1.48E-08	1.09E-09	2.45E-08	4.92E-09	8.14E-09	2.70E-10	1.33E-08
3882	741034.71	4110332.49	5.90E-08	1.08E-07	5.90E-09	1.72E-07	9.15E-09	1.76E-08	8.86E-10	2.77E-08	8.90E-09	1.52E-08	1.12E-09	2.52E-08	5.06E-09	8.37E-09	2.77E-10	1.37E-08
3883	741026.98	4110288.68	6.16E-08	1.12E-07	6.16E-09	1.80E-07	9.55E-09	1.84E-08	9.24E-10	2.89E-08	9.29E-09	1.58E-08	1.17E-09	2.63E-08	5.28E-09	8.73E-09	2.89E-10	1.43E-08
3884	741019.24	4110244.87	6.54E-08	1.19E-07	6.54E-09	1.91E-07	1.01E-08	1.95E-08	9.81E-10	3.07E-08	9.86E-09	1.68E-08	1.25E-09	2.79E-08	5.60E-09	9.27E-09	3.07E-10	1.52E-08
3885	741011.51	4110201.07	6.99E-08	1.27E-07	7.00E-09	2.04E-07	1.08E-08	2.09E-08	1.05E-09	3.28E-08	1.05E-08	1.80E-08	1.33E-09	2.99E-08	5.99E-09	9.92E-09	3.29E-10	1.62E-08
3886	741003.77	4110157.26	7.39E-08	1.35E-07	7.40E-09	2.16E-07	1.15E-08	2.21E-08	1.11E-09	3.47E-08	1.11E-08	1.90E-08	1.41E-09	3.16E-08	6.33E-09	1.05E-08	3.47E-10	1.72E-08
3887	740996.04	4110113.45	7.59E-08	1.38E-07	7.59E-09	2.22E-07	1.18E-08	2.27E-08	1.14E-09	3.56E-08	1.14E-08	1.95E-08	1.45E-09	3.24E-08	6.50E-09	1.08E-08	3.57E-10	1.76E-08
3888	740988.3	4110069.65	7.51E-08	1.37E-07	7.51E-09	2.19E-07	1.16E-08	2.24E-08	1.13E-09	3.52E-08	1.13E-08	1.93E-08	1.43E-09	3.21E-08	6.43E-09	1.06E-08	3.53E-10	1.74E-08
3889	740980.57	4110025.84	7.19E-08	1.31E-07	7.19E-09	2.10E-07	1.11E-08	2.15E-08	1.08E-09	3.37E-08	1.08E-08	1.85E-08	1.37E-09	3.07E-08	6.16E-09	1.02E-08	3.38E-10	1.67E-08
3890	740972.84	4109982.04	6.75E-08	1.23E-07	6.75E-09	1.97E-07	1.05E-08	2.02E-08	1.01E-09	3.16E-08	1.02E-08	1.73E-08	1.29E-09	2.88E-08	5.78E-09	9.57E-09	3.17E-10	1.57E-08
3891	740965.1	4109938.23	6.31E-08	1.15E-07	6.31E-09	1.84E-07	9.78E-09	1.88E-08	9.46E-10	2.96E-08	9.51E-09	1.62E-08	1.20E-09	2.69E-08	5.40E-09	8.94E-09	2.96E-10	1.46E-08
3892	740957.37	4109894.42	5.94E-08	1.08E-07	5.95E-09	1.74E-07	9.22E-09	1.78E-08	8.92E-10	2.79E-08	8.96E-09	1.53E-08	1.13E-09	2.54E-08	5.09E-09	8.43E-09	2.79E-10	1.38E-08
3893	740949.63	4109850.62	5.67E-08	1.03E-07	5.67E-09	1.66E-07	8.79E-09	1.69E-08	8.51E-10	2.66E-08	8.55E-09	1.46E-08	1.08E-09	2.42E-08	4.86E-09	8.04E-09	2.66E-10	1.32E-08
3894	740954.67	4109788.6	5.48E-08	9.98E-08	5.48E-09	1.60E-07	8.50E-09	1.64E-08	8.22E-10	2.57E-08	8.26E-09	1.41E-08	1.04E-09	2.34E-08	4.70E-09	7.77E-09	2.57E-10	1.27E-08
3895	740980.2	4109752.17	5.50E-08	1.00E-07	5.50E-09	1.61E-07	8.53E-09	1.64E-08	8.25E-10	2.58E-08	8.29E-09	1.41E-08	1.05E-09	2.35E-08	4.71E-09	7.80E-09	2.58E-10	1.28E-08
3896	741005.74	4109715.75	5.43E-08	9.89E-08	5.43E-09	1.59E-07	8.42E-09	1.62E-08	8.15E-10	2.55E-08	8.19E-09	1.40E-08	1.03E-09	2.32E-08	4.65E-09	7.70E-09	2.55E-10	1.26E-08
3897	741031.27	4109679.33	5.26E-08	9.59E-08	5.27E-09	1.54E-07	8.16E-09	1.57E-08	7.90E-10	2.47E-08	7.94E-09	1.35E-08	1.00E-09	2.25E-08	4.51E-09	7.46E-09	2.47E-10	1.22E-08
3898	741056.81	4109642.9	5.01E-08	9.12E-08	5.01E-09	1.46E-07	7.77E-09	1.50E-08	7.52E-10	2.35E-08	7.55E-09	1.29E-08	9.54E-10	2.14E-08	4.29E-09	7.10E-09	2.35E-10	1.16E-08
3899	741082.34	4109606.48	4.68E-08	8.52E-08	4.68E-09	1.37E-07	7.25E-09	1.40E-08	7.02E-10	2.19E-08	7.05E-09	1.20E-08	8.91E-10	2.00E-08	4.01E-09	6.63E-09	2.20E-10	1.09E-08
3900	741107.88	4109570.05	4.29E-08	7.82E-08	4.30E-09	1.25E-07	6.66E-09	1.28E-08	6.44E-10	2.01E-08	6.47E-09	1.10E-08	8.18E-10	1.83E-08	3.68E-09	6.09E-09	2.02E-10	9.97E-09
3901	741133.42	4109533.63	3.90E-08	7.10E-08	3.90E-09	1.14E-07	6.05E-09	1.16E-08	5.85E-10	1.83E-08	5.88E-09	1.00E-08	7.43E-10	1.66E-08	3.34E-09	5.53E-09	1.83E-10	9.05E-09
3902	741158.95	4109497.21	3.54E-08	6.46E-08	3.54E-09	1.04E-07	5.49E-09	1.06E-08	5.32E-10	1.66E-08	5.34E-09	9.11E-09	6.75E-10	1.51E-08	3.04E-09	5.02E-09	1.66E-10	8.23E-09
3903	741184.49	4109460.78	3.26E-08	5.94E-08	3.26E-09	9.53E-08	5.06E-09	9.74E-09	4.90E-10	1.53E-08	4.92E-09	8.39E-09	6.22E-10	1.39E-08	2.80E-09	4.62E-09	1.53E-10	7.57E-09
3904	741210.02	4109424.36	3.06E-08	5.57E-08	3.06E-09	8.94E-08	4.74E-09	9.14E-09	4.59E-10	1.43E-08	4.61E-09	7.86E-09	5.83E-10	1.31E-08	2.62E-09	4.34E-09	1.44E-10	7.10E-09
3905	741235.56	4109387.93	2.92E-08	5.31E-08	2.92E-09	8.52E-08	4.52E-09	8.71E-09	4.38E-10	1.37E-08	4.40E-09	7.49E-09	5.55E-10	1.24E-08	2.50E-09	4.13E-09	1.37E-10	6.77E-09
3906	741261.1	4109351.51	2.81E-08	5.12E-08	2.81E-09	8.22E-08	4.36E-09	8.40E-09	4.22E-10	1.32E-08	4.24E-09	7.23E-09	5.36E-10	1.20E-08	2.41E-09	3.99E-09	1.32E-10	6.53E-09
3907	741286.63	4109315.08	2.73E-08	4.98E-08	2.73E-09	7.99E-08	4.24E-09	8.17E-09	4.10E-10	1.28E-08	4.12E-09	7.03E-09	5.21E-10	1.17E-08	2.34E-09	3.88E-09	1.28E-10	6.35E-09
3908	741312.17	4109278.66	2.66E-08	4.85E-08	2.67E-09	7.79E-08	4.13E-09	7.96E-09	4.00E-10	1.25E-08	4.02E-09	6.85E-09	5.08E-10	1.14E-08	2.28E-09	3.78E-09	1.25E-10	6.19E-09
3909	741073.9	4110504.79	5.61E-08	1.02E-07	5.61E-09	1.64E-07	8.70E-09	1.68E-08	8.42E-10	2.63E-08	8.46E-09	1.44E-08	1.07E-09	2.39E-08	4.81E-09	7.95E-09	2.64E-10	1.30E-08
3910	741086.01	4110523.78	5.67E-08	1.03E-07	5.67E-09	1.66E-07	8.79E-09	1.69E-08	8.51E-10	2.66E-08	8.55E-09	1.46E-08	1.08E-09	2.42E-08	4.86E-09	8.04E-09	2.66E-10	1.32E-08
3911	741098.12	4110542.77	5.72E-08	1.04E-07	5.73E-09	1.67E-07	8.87E-09	1.71E-08	8.59E-10	2.68E-08	8.63E-09	1.47E-08	1.09E-09	2.44E-08	4.90E-09	8.11E-09	2.69E-10	1.33E-08
3912	741110.24	4110561.76	5.76E-08	1.05E-07	5.77E-09	1.68E-07	8.94E-09	1.72E-08	8.65E-10	2.70E-08	8.69E-09	1.48E-08	1.10E-09	2.46E-08	4.94E-09	8.17E-09	2.71E-10	1.34E-08

3913	741122.35	4110580.75	5.79E-08	1.05E-07	5.79E-09	1.69E-07	8.98E-09	1.73E-08	8.69E-10	2.71E-08	8.73E-09	1.49E-08	1.10E-09	2.47E-08	4.96E-09	8.21E-09	2.72E-10	1.34E-08
3914	741134.46	4110599.73	5.79E-08	1.05E-07	5.79E-09	1.69E-07	8.98E-09	1.73E-08	8.69E-10	2.71E-08	8.73E-09	1.49E-08	1.10E-09	2.47E-08	4.96E-09	8.21E-09	2.72E-10	1.34E-08
3915	741146.58	4110618.72	5.76E-08	1.05E-07	5.76E-09	1.68E-07	8.93E-09	1.72E-08	8.64E-10	2.70E-08	8.68E-09	1.48E-08	1.10E-09	2.46E-08	4.93E-09	8.17E-09	2.71E-10	1.34E-08
3916	741158.69	4110637.71	5.70E-08	1.04E-07	5.70E-09	1.67E-07	8.84E-09	1.70E-08	8.55E-10	2.67E-08	8.60E-09	1.47E-08	1.09E-09	2.43E-08	4.88E-09	8.08E-09	2.68E-10	1.32E-08
3917	741170.8	4110656.7	5.61E-08	1.02E-07	5.61E-09	1.64E-07	8.69E-09	1.67E-08	8.41E-10	2.63E-08	8.45E-09	1.44E-08	1.07E-09	2.39E-08	4.80E-09	7.95E-09	2.63E-10	1.30E-08
3918	740889.32	4110571.53	4.21E-08	7.68E-08	4.22E-09	1.23E-07	6.54E-09	1.26E-08	6.32E-10	1.98E-08	6.35E-09	1.08E-08	8.03E-10	1.80E-08	3.61E-09	5.98E-09	1.98E-10	9.78E-09
3919	740881.6	4110527.86	4.24E-08	7.73E-08	4.25E-09	1.24E-07	6.58E-09	1.27E-08	6.37E-10	1.99E-08	6.40E-09	1.09E-08	8.09E-10	1.81E-08	3.64E-09	6.02E-09	1.99E-10	9.85E-09
3920	740873.89	4110484.18	4.29E-08	7.82E-08	4.29E-09	1.25E-07	6.65E-09	1.28E-08	6.44E-10	2.01E-08	6.47E-09	1.10E-08	8.18E-10	1.83E-08	3.68E-09	6.08E-09	2.02E-10	9.96E-09
3921	740866.18	4110440.5	4.36E-08	7.94E-08	4.36E-09	1.27E-07	6.76E-09	1.30E-08	6.54E-10	2.04E-08	6.57E-09	1.12E-08	8.30E-10	1.86E-08	3.73E-09	6.18E-09	2.05E-10	1.01E-08
3922	740858.47	4110396.82	4.45E-08	8.11E-08	4.45E-09	1.30E-07	6.90E-09	1.33E-08	6.68E-10	2.09E-08	6.71E-09	1.14E-08	8.48E-10	1.90E-08	3.81E-09	6.31E-09	2.09E-10	1.03E-08
3923	740850.76	4110353.14	4.59E-08	8.37E-08	4.59E-09	1.34E-07	7.12E-09	1.37E-08	6.89E-10	2.15E-08	6.92E-09	1.18E-08	8.75E-10	1.96E-08	3.93E-09	6.51E-09	2.16E-10	1.07E-08
3924	740843.04	4110309.47	4.81E-08	8.77E-08	4.82E-09	1.41E-07	7.46E-09	1.44E-08	7.22E-10	2.26E-08	7.26E-09	1.24E-08	9.17E-10	2.05E-08	4.12E-09	6.82E-09	2.26E-10	1.12E-08
3925	740835.33	4110265.79	5.12E-08	9.33E-08	5.12E-09	1.50E-07	7.94E-09	1.53E-08	7.68E-10	2.40E-08	7.72E-09	1.32E-08	9.75E-10	2.19E-08	4.39E-09	7.26E-09	2.41E-10	1.19E-08
3926	740827.62	4110222.11	5.46E-08	9.95E-08	5.46E-09	1.60E-07	8.46E-09	1.63E-08	8.19E-10	2.56E-08	8.23E-09	1.40E-08	1.04E-09	2.33E-08	4.68E-09	7.74E-09	2.57E-10	1.27E-08
3927	740819.91	4110178.43	5.74E-08	1.05E-07	5.75E-09	1.68E-07	8.90E-09	1.72E-08	8.62E-10	2.69E-08	8.66E-09	1.48E-08	1.09E-09	2.45E-08	4.92E-09	8.14E-09	2.70E-10	1.33E-08
3928	740812.2	4110134.75	5.88E-08	1.07E-07	5.89E-09	1.72E-07	9.12E-09	1.76E-08	8.83E-10	2.76E-08	8.87E-09	1.51E-08	1.12E-09	2.51E-08	5.04E-09	8.34E-09	2.76E-10	1.37E-08
3929	740804.48	4110091.07	5.84E-08	1.06E-07	5.85E-09	1.71E-07	9.06E-09	1.75E-08	8.77E-10	2.74E-08	8.81E-09	1.50E-08	1.11E-09	2.49E-08	5.01E-09	8.28E-09	2.75E-10	1.36E-08
3930	740796.77	4110047.4	5.64E-08	1.03E-07	5.64E-09	1.65E-07	8.75E-09	1.69E-08	8.47E-10	2.64E-08	8.51E-09	1.45E-08	1.07E-09	2.41E-08	4.83E-09	8.00E-09	2.65E-10	1.31E-08
3931	740789.06	4110003.72	5.34E-08	9.73E-08	5.34E-09	1.56E-07	8.28E-09	1.60E-08	8.02E-10	2.50E-08	8.05E-09	1.37E-08	1.02E-09	2.28E-08	4.58E-09	7.57E-09	2.51E-10	1.24E-08
3932	740781.35	4109960.04	5.01E-08	9.13E-08	5.02E-09	1.46E-07	7.77E-09	1.50E-08	7.52E-10	2.35E-08	7.56E-09	1.29E-08	9.55E-10	2.14E-08	4.30E-09	7.11E-09	2.36E-10	1.16E-08
3933	740773.64	4109916.36	4.72E-08	8.59E-08	4.72E-09	1.38E-07	7.31E-09	1.41E-08	7.08E-10	2.21E-08	7.11E-09	1.21E-08	8.99E-10	2.01E-08	4.04E-09	6.69E-09	2.22E-10	1.09E-08
3934	740765.93	4109872.68	4.48E-08	8.17E-08	4.48E-09	1.31E-07	6.95E-09	1.34E-08	6.73E-10	2.10E-08	6.76E-09	1.15E-08	8.54E-10	1.91E-08	3.84E-09	6.36E-09	2.11E-10	1.04E-08
3935	740758.21	4109829.01	4.31E-08	7.86E-08	4.32E-09	1.26E-07	6.69E-09	1.29E-08	6.47E-10	2.02E-08	6.50E-09	1.11E-08	8.22E-10	1.84E-08	3.70E-09	6.11E-09	2.03E-10	1.00E-08
3936	740750.5	4109785.33	4.19E-08	7.64E-08	4.20E-09	1.23E-07	6.50E-09	1.25E-08	6.30E-10	1.97E-08	6.33E-09	1.08E-08	7.99E-10	1.79E-08	3.59E-09	5.95E-09	1.97E-10	9.74E-09
3937	740759.38	4109745.33	4.18E-08	7.62E-08	4.18E-09	1.22E-07	6.48E-09	1.25E-08	6.27E-10	1.96E-08	6.30E-09	1.07E-08	7.96E-10	1.78E-08	3.58E-09	5.93E-09	1.96E-10	9.70E-09
3938	740784.84	4109709.01	4.23E-08	7.70E-08	4.23E-09	1.24E-07	6.56E-09	1.26E-08	6.34E-10	1.98E-08	6.37E-09	1.09E-08	8.06E-10	1.80E-08	3.62E-09	5.99E-09	1.99E-10	9.82E-09
3939	740810.3	4109672.69	4.21E-08	7.68E-08	4.22E-09	1.23E-07	6.53E-09	1.26E-08	6.32E-10	1.98E-08	6.35E-09	1.08E-08	8.03E-10	1.80E-08	3.61E-09	5.97E-09	1.98E-10	9.78E-09
3940	740835.76	4109636.38	4.13E-08	7.52E-08	4.13E-09	1.21E-07	6.40E-09	1.23E-08	6.19E-10	1.93E-08	6.22E-09	1.06E-08	7.86E-10	1.76E-08	3.54E-09	5.85E-09	1.94E-10	9.58E-09
3941	740861.22	4109600.06	3.97E-08	7.24E-08	3.97E-09	1.16E-07	6.16E-09	1.19E-08	5.96E-10	1.86E-08	5.99E-09	1.02E-08	7.57E-10	1.70E-08	3.40E-09	5.63E-09	1.87E-10	9.22E-09
3942	740886.68	4109563.74	3.76E-08	6.85E-08	3.76E-09	1.10E-07	5.83E-09	1.12E-08	5.65E-10	1.76E-08	5.67E-09	9.67E-09	7.17E-10	1.61E-08	3.22E-09	5.33E-09	1.77E-10	8.73E-09
3943	740912.14	4109527.42	3.52E-08	6.41E-08	3.52E-09	1.03E-07	5.45E-09	1.05E-08	5.28E-10	1.65E-08	5.30E-09	9.04E-09	6.70E-10	1.50E-08	3.01E-09	4.98E-09	1.65E-10	8.16E-09
3944	740937.6	4109491.11	3.25E-08	5.92E-08	3.25E-09	9.50E-08	5.04E-09	9.71E-09	4.88E-10	1.52E-08	4.90E-09	8.35E-09	6.19E-10	1.39E-08	2.78E-09	4.61E-09	1.53E-10	7.54E-09
3945	740963.07	4109454.79	2.98E-08	5.43E-08	2.98E-09	8.71E-08	4.62E-09	8.91E-09	4.47E-10	1.40E-08	4.50E-09	7.66E-09	5.68E-10	1.27E-08	2.55E-09	4.23E-09	1.40E-10	6.92E-09
3946	740988.53	4109418.47	2.73E-08	4.98E-08	2.73E-09	7.98E-08	4.24E-09	8.16E-09	4.10E-10	1.28E-08	4.12E-09	7.02E-09	5.20E-10	1.17E-08	2.34E-09	3.87E-09	1.28E-10	6.34E-09
3947	741013.99	4109382.15	2.52E-08	4.59E-08	2.52E-09	7.36E-08	3.91E-09	7.52E-09	3.78E-10	1.18E-08	3.80E-09	6.47E-09	4.80E-10	1.08E-08	2.16E-09	3.57E-09	1.18E-10	5.85E-09
3948	741039.45	4109345.84	2.35E-08	4.28E-08	2.35E-09	6.87E-08	3.65E-09	7.02E-09	3.53E-10	1.10E-08	3.55E-09	6.04E-09	4.48E-10	1.00E-08	2.01E-09	3.33E-09	1.11E-10	5.46E-09
3949	741064.91	4109309.52	2.23E-08	4.06E-08	2.23E-09	6.52E-08	3.46E-09	6.66E-09	3.35E-10	1.05E-08	3.36E-09	5.73E-09	4.25E-10	9.52E-09	1.91E-09	3.16E-09	1.05E-10	5.18E-09
3950	741090.37	4109273.2	2.15E-08	3.91E-08	2.15E-09	6.27E-08	3.33E-09	6.41E-09	3.22E-10	1.01E-08	3.24E-09	5.52E-09	4.09E-10	9.16E-09	1.84E-09	3.04E-09	1.01E-10	4.98E-09
3951	741115.83	4109236.88	2.09E-08	3.81E-08	2.09E-09	6.12E-08	3.25E-09	6.25E-09	3.14E-10	9.81E-09	3.16E-09	5.38E-09	3.99E-10	8.93E-09	1.79E-09	2.97E-09	9.83E-11	4.86E-09
3952	741141.29	4109200.56	2.06E-08	3.76E-08	2.06E-09	6.02E-08	3.20E-09	6.16E-09	3.09E-10	9.66E-09	3.11E-09	5.30E-09	3.93E-10	8.80E-09	1.77E-09	2.92E-09	9.69E-11	4.79E-09
3953	741166.75	4109164.25	2.04E-08	3.72E-08	2.04E-09	5.97E-08	3.17E-09	6.10E-09	3.06E-10	9.57E-09	3.08E-09	5.25E-09	3.89E-10	8.71E-09	1.75E-09	2.89E-09	9.59E-11	4.74E-09
3954	741192.22	4109127.93	2.02E-08	3.68E-08	2.02E-09	5.90E-08	3.13E-09	6.03E-09	3.03E-10	9.46E-09	3.04E-09	5.19E-09	3.85E-10	8.62E-09	1.73E-09	2.86E-09	9.48E-11	4.69E-09
3955	740905.28	4110612.36	4.24E-08	7.73E-08	4.25E-09	1.24E-07	6.58E-09	1.27E-08	6.37E-10	1.99E-08	6.40E-09	1.09E-08	8.09E-10	1.81E-08	3.64E-09	6.02E-09	1.99E-10	9.86E-09
3956	740917.4	4110631.35	4.28E-08	7.81E-08	4.29E-09	1.25E-07	6.64E-09	1.28E-08	6.43E-10	2.01E-08	6.46E-09	1.10E-08	8.16E-10	1.83E-08	3.67E-09	6.07E-09	2.01E-10	9.95E-09
3957	740929.51	4110650.34	4.32E-08	7.87E-08	4.32E-09	1.26E-07	6.70E-09	1.29E-08	6.48E-10	2.02E-08	6.51E-09	1.11E-08	8.23E-10	1.84E-08	3.70E-09	6.12E-09	2.03E-10	1.00E-08
3958	740941.62	4110669.32	4.35E-08	7.92E-08	4.35E-09	1.27E-07	6.74E-09	1.30E-08	6.53E-10	2.04E-08	6.56E-09	1.12E-08	8.29E-10	1.86E-08	3.73E-09	6.17E-09	2.04E-10	1.01E-08
3959	740953.74	4110688.31	4.37E-08	7.96E-08	4.37E-09	1.28E-07	6.78E-09	1.31E-08	6.56E-10	2.05E-08	6.59E-09	1.12E-08	8.33E-10	1.87E-08	3.74E-09	6.20E-09	2.05E-10	1.01E-08
3960	740965.85	4110707.3	4.38E-08	7.98E-08	4.38E-09	1.28E-07	6.79E-09	1.31E-08	6.57E-10	2.05E-08	6.60E-09	1.13E-08	8.34E-10	1.87E-08	3.75E-09	6.21E-09	2.06E-10	1.02E-08
3961	740977.96	4110726.29	4.37E-08	7.96E-08	4.37E-09	1.28E-07	6.78E-09	1.31E-08	6.56E-10	2.05E-08	6.59E-09	1.12E-08	8.33E-10	1.87E-08	3.75E-09	6.20E-09	2.05E-10	1.01E-08
3962	740990.08	4110745.27	4.35E-08	7.92E-08	4.35E-09	1.27E-07	6.74E-09	1.30E-08	6.52E-10	2.04E-08	6.55E-09	1.12E-08	8.28E-10	1.86E-08	3.72E-09	6.16E-09	2.04E-10	1.01E-08
3963	741002.19	4110764.26	4.30E-08	7.84E-08	4.30E-09	1.26E-07	6.67E-09	1.28E-08	6.45E-10	2.02E-08	6.49E-09	1.11E-08	8.20E-10	1.84E-08	3.69E-09	6.10E-09	2.02E-10	9.99E-09
3964	740720.71	4110679.14	3.34E-08	6.08E-08	3.34E-09	9.76E-08	5.18E-09	9.97E-09	5.01E-10	1.57E-08	5.03E-09	8.58E-09	6.36E-10	1.43E-08	2.86E-09	4.73E-09	1.57E-10	7.75E-09
3965	740713.02	4110635.55	3.35E-08	6.11E-08	3.35E-09	9.79E-08	5.20E-09	1.00E-08	5.03E-10	1.57E-08	5.05E-09	8.62E-09	6.39E-10	1.43E-08	2.87E-09	4.75E-09	1.58E-10	7.78E-09
3966	740705.32	4110591.96	3.38E-08	6.15E-08	3.38E-09	9.87E-08	5.24E-09	1.01E-08	5.07E-10	1.58E-08	5.09E-09	8.68E-09	6.43E-10	1.44E-08	2.89E-09	4.79E-09	1.59E-10	7.84E-09
3967	740697.62	4110548.37	3.41E-08	6.22E-08	3.42E-09	9.97E-08	5.29E-09	1.02E-08	5.12E-10	1.60E-08	5.15E-09	8.77E-09	6.50E-10	1.46E-08	2.92E-09	4.84E-09	1.60E-10	7.93E-09
3968	740689.93	4110504.78	3.46E-08	6.31E-08	3.46E-09	1.01E-07	5.37E-09	1.03E-08	5.20E-10	1.62E-08	5.22E-09	8.90E-09	6.60E-10	1.48E-08	2.97E-09	4.91E-09	1.63E-10	8.04E-09
3969	740682.23	4110461.19	3.52E-08	6.42E-08	3.52E-09	1.03E-07	5.46E-09	1.05E-08	5.29E-10	1.65E-08	5.31E-09	9.05E-09	6.71E-10	1.50E-08	3.02E-09	4.99E-09	1.65E-10	8.18E-09
3970	740674.53	4110417.6	3.60E-08	6.57E-08	3.61E-09	1.05E-07	5.59E-09	1.08E-08	5.41E-10	1.69E-08	5.43E-09	9.26E-09	6.87E-10	1.54E-08	3.09E-09	5.11E-09	1.69E-10	8.37E-09
3971	740666.84	4110374.01	3.73E-08	6.80E-08	3.74E-09	1.09E-07	5.79E-09	1.12E-08	5.60E-10	1.75E-08	5.63E-09	9.60E-09	7.11E-10	1.59E-08	3.20E-09	5.29E-09	1.75E-10	8.67E-09
3972	740659.14	4110330.42	3.93E-08	7.16E-08	3.93E-09	1.15E-07	6.09E-09	1.17E-08	5.89E-10	1.84E-08	5.92E-09	1.01E-08	7.48E-10	1.68E-08	3.37E-09	5.57E-09	1.85E-10	9.12E-09
3973	740651.45	4110286.83	4.18E-08	7.61E-08	4.18E-09	1.22E-07	6.48E-09	1.25E-08	6.27E-10	1.96E-08	6.30E-09	1.07E-08	7.96E-10	1.78E-08	3.58E-09	5.92E-09	1.96E-10	9.70E-09
3974	740643.75	4110243.25	4.44E-08	8.08E-08	4.44E-09	1.30E-07	6.88E-09	1.33E-08	6.66E-10	2.08E-08	6.69E-09	1.14E-08	8.45E-10	1.89E-08	3.80E-09	6.29E-09	2.08E-10	1.03E-08
3975	740636.05	4110199.66	4.64E-08	8.46E-08	4.64E-09	1.36E-07	7.20E-09	1.39E-08	6.97E-10	2.18E-08	7.00E-09	1.19E-08	8.85E-10	1.98E-08	3.98E-09	6.58E-09	2.18E-10	1.08E-08
3976	740628.36	4110156.07	4.74E-08	8.64E-08	4.75E-09	1.39E-07	7.36E-09	1.42E-08	7.12E-10	2.22E-08	7.15E-09	1.22E-08	9.04E-10	2.03E-08	4.06E-09	6.73E-09	2.23E-10	1.10E-08
3977	740620.66	4110112.48	4.72E-08	8.60E-08	4.72E-09	1.38E-07	7.32E-09	1.41E-08	7.09E-10	2.21E-08	7.12E-09	1.21E-08	9.00E-10	2.02E-08	4.05E-09	6.69E-09	2.22E-10	1.10E-08
3978	740612.96	4110068.89	4.58E-08	8.35E-08	4.59E-09	1.34E-07	7.11E-09	1.37E-08	6.88E-10	2.15E-08	6.91E-09	1.18E-08	8.73E-10	1.96E-08	3.93E-09	6.50E-09	2.15E-10	1.06E-08
3979	740605.27	4110025.3	4.37E-08	7.97E-08	4.37E-09	1.28E-07	6.78E-09	1.31E-08	6.56E-10	2.05E-08	6.59E-09	1.12E-08	8.33E-10	1.87E-08	3.75E-09	6.20E-09	2.05E-10	1.02E-08
3980	740597.57	4109981.71	4.13E-08	7.52E-08	4.13E-09	1.21E-07	6.40E-09	1.23E-08	6.20E-10	1.94E-08	6.23E-09	1.06E-08	7.87E-10	1.76E-08	3.54E-09	5.85E-09	1.94E-10	9.59E-09
3981	740589.88	4109938.12	3.89E-08	7.09E-08	3.89E-09	1.14E-07	6.03E-09	1.16E-08	5.84E-10	1.82E-08	5.86E-09	1.00E-08	7.41E-10	1.66E-08	3.33E-09	5.51E-09	1.83E-10	9.03E-09
3982	740582.18	4109894.53	3.68E-08	6.71E-08	3.68E-09	1.08E-07	5.71E-09	1.10E-08	5.53E-10	1.73E-08	5.55E-09	9.47E-09	7.02E-10	1.57E-08	3.16E-09	5.22E-09	1.73E-10	8.55E-09
3983	740574.48	4109850.94	3.52E-08	6.42E-08	3.53E-09	1.03E-07	5.46E-09	1.05E-08	5.29E-10	1.65E-08	5.31E-09	9.06E-09	6.72E-10	1.50E-08	3.02E-09	5.00E-09	1.66E-10	8.18E-09
3984	740566.79	4109807.35	3.42E-08	6.23E-08	3.42E-09	9.99E-08	5.30E-09	1.02E-08	5.13E-10	1.60E-08	5.15E-09	8.79E-09	6.51E-10	1.46E-08	2.93E-09	4.85E-09	1.61E-10	7.94E-09
3985	740559.09	4109763.76	3.35E-08	6.10E-08	3.35E-09	9.79E-08	5.19E-09	1.00E-08	5.03E-10	1.57E-08	5.05E-09	8.61E-09	6.38E-10	1.43E-08	2.87E-09	4.75E-09	1.57E-10	7.78E-09
3986	740564.1	4109702.04	3.33E-08	6.07E-08	3.33E-09	9.73E-08	5.16E-09	9.95E-09	5.00E-10	1.56E-08	5.02E-09	8.56E-09	6.35E-10	1.42E-08	2.85E-09	4.72E-09	1.57E-10	7.73E-09
3987	740589.51	4109665.8	3.38E-08	6.15E-08	3.38E-09	9.87E-08	5.24E-09	1.01E-08	5.07E-10	1.58E-08	5.09E-09	8.68E-09	6.44E-10	1.44E-08	2.89E-09	4.79E-09	1.59E-10	7.84E-09
3988	740614.92	4109629.56	3.39E-08	6.17E-08	3.39E-09	9.90E-08	5.25E-09	1.01E-08	5.08E-10	1.59E-08	5.11E-09	8.71E-09	6.45E-10	1.45E-08	2.90E-09	4.80E-09	1.59E-10	7.86E-09
3989	740640.33	4109593.31	3.35E-08	6.10E-08	3.35E-09	9.78E-08	5.19E-09	1.00E-08	5.02E-10	1.57E-08	5.05E-09	8.60E-09	6.38E-10	1.43E-08	2.87E-09	4.74E-09	1.57E-10	7.77E-09
3990	740665.74	4109557.07	3.25E-08	5.92E-08	3.25E-09	9.50E-08	5.04E-09	9.71E-09	4.88E-10	1.52E-08	4.90E-09	8.36E-09	6.19E-10	1.39E-08	2.79E-09	4.61E-09	1.53E-10	7.55E-09
3991	740691.15	4109520.82	3.11E-08	5.67E-08	3.11E-09	9.09E-08	4.82E-09	9.29E-09	4.67E-10	1.46E-08	4.69E-09	7.99E-09	5.93E-10	1.33E-08	2.66E-09	4.41E-09	1.46E-10	7.22E-09
3992	740716.56	4109484.58	2.94E-08	5.36E-08	2.94E-09	8.59E-08	4.56E-09	8.78E-09	4.41E-10	1.38E-08	4.43E-09	7.56E-09	5.60E-10	1.25E-08	2.52E-09	4.17E-09	1.38E-10	6.82E-09
3993	740741.97	4109448.33	2.75E-08	5.02E-08	2.75E-09	8.04E-08	4.27E-09	8.22E-09	4.13E-10	1.29E-08	4.15E-09	7.08E-09	5.25E-10	1.18E-08	2.36E-09	3.90E-09	1.29E-10	6.39E-09
3994	740767.38	4109412.09	2.56E-08	4.67E-08	2.56E-09	7.48E-08	3.97E-09	7.65E-09	3.84E-10	1.20E-08	3.86E-09	6.58E-09	4.88E-10	1.09E-08	2.19E-09	3.63E-09	1.20E-10	5.94E-09
3995	740792.79	4109375.85	2.37E-08	4.32E-08	2.37E-09	6.93E-08	3.68E-09	7.09E-09	3.56E-10	1.11E-08	3.58E-09	6.10E-09	4.52E-10	1.01E-08	2.03E-09	3.36E-09	1.11E-10	5.51E-09
3996	740818.2	4109339.6	2.19E-08	4.00E-08	2.20E-09	6.41E-08	3.40E-09	6.55E-09	3.29E-10	1.03E-08	3.31E-09	5.64E-09	4.18E-10	9.37E-09	1.88E-09	3.11E-09	1.03E-10	5.09E-09
3997	740843.61	4109303.36	2.03E-08	3.71E-08	2.04E-09	5.94E-08	3.15E-09	6.08E-09	3.05E-10	9.54E-09	3.07E-09	5.23E-09	3.88E-10	8.69E-09	1.74E-09	2.88E-09	9.56E-11	4.72E-09
3998	740869.02	4109267.11	1.90E-08	3.46E-08	1.90E-09	5.55E-08	2.94E-09	5.67E-09	2.85E-10	8.90E-09	2.86E-09	4.88E-09	3.62E-10	8.11E-09	1.63E-09	2.69E-09	8.92E-11	4.41E-09
3999	740894.43	4109230.87	1.79E-08	3.26E-08	1.79E-09	5.23E-08	2.78E-09	5.35E-09	2.69E-10	8.40E-09	2.70E-09	4.60E-09	3.41E-10	7.65E-09	1.53E-09	2.54E-09	8.42E-11	4.16E-09
4000	740919.84	4109194.62	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.65E-09	5.11E-09	2.57E-10	8.02E-09	2.58E-09	4.40E-09	3.26E-10	7.30E-09	1.47E-09	2.43E-09	8.04E-11	3.97E-09
4001	740945.24	4109158.38	1.66E-08	3.02E-08	1.66E-09	4.84E-08	2.57E-09	4.95E-09	2.49E-10	7.77E-09	2.50E-09	4.26E-09	3.16E-10	7.07E-09	1.42E-09	2.35E-09	7.78E-11	3.85E-09

4002	740970.65	4109122.14	1.63E-08	2.96E-08	1.63E-09	4.75E-08	2.52E-09	4.86E-09	2.44E-10	7.62E-09	2.45E-09	4.18E-09	3.10E-10	6.94E-09	1.39E-09	2.31E-09	7.64E-11	3.77E-09
4003	740996.06	4109085.89	1.61E-08	2.94E-08	1.61E-09	4.72E-08	2.50E-09	4.82E-09	2.42E-10	7.57E-09	2.43E-09	4.15E-09	3.08E-10	6.89E-09	1.38E-09	2.29E-09	7.58E-11	3.75E-09
4004	741021.47	4109049.65	1.61E-08	2.94E-08	1.61E-09	4.72E-08	2.50E-09	4.82E-09	2.42E-10	7.57E-09	2.43E-09	4.15E-09	3.08E-10	6.89E-09	1.38E-09	2.29E-09	7.58E-11	3.75E-09
4005	741046.88	4109013.4	1.61E-08	2.94E-08	1.62E-09	4.72E-08	2.50E-09	4.82E-09	2.42E-10	7.57E-09	2.43E-09	4.15E-09	3.08E-10	6.89E-09	1.38E-09	2.29E-09	7.59E-11	3.75E-09
4006	741072.29	4108977.16	1.61E-08	2.93E-08	1.61E-09	4.69E-08	2.49E-09	4.80E-09	2.41E-10	7.53E-09	2.42E-09	4.13E-09	3.06E-10	6.86E-09	1.38E-09	2.28E-09	7.55E-11	3.73E-09
4007	741097.7	4108940.91	1.58E-08	2.89E-08	1.58E-09	4.63E-08	2.46E-09	4.73E-09	2.38E-10	7.43E-09	2.39E-09	4.07E-09	3.02E-10	6.76E-09	1.36E-09	2.25E-09	7.44E-11	3.68E-09
4008	740736.67	4110719.93	3.36E-08	6.13E-08	3.36E-09	9.82E-08	5.21E-09	1.00E-08	5.05E-10	1.58E-08	5.07E-09	8.64E-09	6.41E-10	1.44E-08	2.88E-09	4.77E-09	1.58E-10	7.80E-09
4009	740748.79	4110738.91	3.39E-08	6.17E-08	3.39E-09	9.90E-08	5.25E-09	1.01E-08	5.09E-10	1.59E-08	5.11E-09	8.71E-09	6.46E-10	1.45E-08	2.90E-09	4.80E-09	1.59E-10	7.87E-09
4010	740760.9	4110757.9	3.41E-08	6.22E-08	3.41E-09	9.97E-08	5.29E-09	1.02E-08	5.12E-10	1.60E-08	5.15E-09	8.77E-09	6.50E-10	1.46E-08	2.92E-09	4.84E-09	1.60E-10	7.92E-09
4011	740773.01	4110776.89	3.43E-08	6.25E-08	3.43E-09	1.00E-07	5.32E-09	1.03E-08	5.15E-10	1.61E-08	5.18E-09	8.82E-09	6.54E-10	1.47E-08	2.94E-09	4.87E-09	1.61E-10	7.97E-09
4012	740785.13	4110795.88	3.45E-08	6.28E-08	3.45E-09	1.01E-07	5.35E-09	1.03E-08	5.17E-10	1.62E-08	5.20E-09	8.86E-09	6.57E-10	1.47E-08	2.95E-09	4.89E-09	1.62E-10	8.00E-09
4013	740809.35	4110833.85	3.46E-08	6.30E-08	3.46E-09	1.01E-07	5.36E-09	1.03E-08	5.19E-10	1.62E-08	5.21E-09	8.89E-09	6.59E-10	1.48E-08	2.96E-09	4.90E-09	1.63E-10	8.03E-09
4014	740821.47	4110852.84	3.45E-08	6.28E-08	3.45E-09	1.01E-07	5.35E-09	1.03E-08	5.18E-10	1.62E-08	5.20E-09	8.86E-09	6.57E-10	1.47E-08	2.95E-09	4.89E-09	1.62E-10	8.01E-09
4015	740833.58	4110871.83	3.43E-08	6.24E-08	3.43E-09	1.00E-07	5.31E-09	1.02E-08	5.14E-10	1.61E-08	5.17E-09	8.81E-09	6.53E-10	1.46E-08	2.94E-09	4.86E-09	1.61E-10	7.96E-09
4016	740552.11	4110786.74	2.74E-08	4.99E-08	2.74E-09	8.00E-08	4.24E-09	8.18E-09	4.11E-10	1.28E-08	4.13E-09	7.04E-09	5.22E-10	1.17E-08	2.35E-09	3.88E-09	1.29E-10	6.35E-09
4017	740544.42	4110743.22	2.74E-08	5.00E-08	2.74E-09	8.02E-08	4.25E-09	8.20E-09	4.12E-10	1.29E-08	4.14E-09	7.05E-09	5.23E-10	1.17E-08	2.35E-09	3.89E-09	1.29E-10	6.37E-09
4018	740536.74	4110699.69	2.75E-08	5.02E-08	2.76E-09	8.05E-08	4.27E-09	8.23E-09	4.13E-10	1.29E-08	4.15E-09	7.08E-09	5.25E-10	1.18E-08	2.36E-09	3.91E-09	1.29E-10	6.40E-09
4019	740529.05	4110656.17	2.77E-08	5.06E-08	2.78E-09	8.11E-08	4.30E-09	8.29E-09	4.16E-10	1.30E-08	4.18E-09	7.13E-09	5.29E-10	1.18E-08	2.38E-09	3.93E-09	1.30E-10	6.44E-09
4020	740521.37	4110612.64	2.81E-08	5.11E-08	2.81E-09	8.20E-08	4.35E-09	8.38E-09	4.21E-10	1.32E-08	4.23E-09	7.21E-09	5.35E-10	1.20E-08	2.40E-09	3.98E-09	1.32E-10	6.51E-09
4021	740513.68	4110569.11	2.84E-08	5.18E-08	2.84E-09	8.30E-08	4.41E-09	8.49E-09	4.26E-10	1.33E-08	4.28E-09	7.30E-09	5.41E-10	1.21E-08	2.43E-09	4.03E-09	1.34E-10	6.60E-09
4022	740506	4110525.59	2.88E-08	5.25E-08	2.88E-09	8.42E-08	4.47E-09	8.61E-09	4.33E-10	1.35E-08	4.35E-09	7.41E-09	5.49E-10	1.23E-08	2.47E-09	4.09E-09	1.35E-10	6.69E-09
4023	740498.31	4110482.06	2.93E-08	5.34E-08	2.93E-09	8.57E-08	4.55E-09	8.76E-09	4.40E-10	1.37E-08	4.42E-09	7.54E-09	5.59E-10	1.25E-08	2.51E-09	4.16E-09	1.38E-10	6.81E-09
4024	740490.63	4110438.54	3.01E-08	5.48E-08	3.01E-09	8.80E-08	4.67E-09	8.99E-09	4.52E-10	1.41E-08	4.54E-09	7.74E-09	5.74E-10	1.28E-08	2.58E-09	4.27E-09	1.41E-10	6.99E-09
4025	740482.94	4110395.01	3.13E-08	5.71E-08	3.13E-09	9.15E-08	4.86E-09	9.36E-09	4.70E-10	1.47E-08	4.72E-09	8.05E-09	5.97E-10	1.34E-08	2.68E-09	4.44E-09	1.47E-10	7.27E-09
4026	740475.26	4110351.49	3.30E-08	6.02E-08	3.30E-09	9.65E-08	5.12E-09	9.87E-09	4.96E-10	1.55E-08	4.98E-09	8.49E-09	6.29E-10	1.41E-08	2.83E-09	4.68E-09	1.55E-10	7.67E-09
4027	740467.57	4110307.96	3.51E-08	6.39E-08	3.51E-09	1.02E-07	5.44E-09	1.05E-08	5.26E-10	1.64E-08	5.29E-09	9.01E-09	6.68E-10	1.50E-08	3.00E-09	4.97E-09	1.65E-10	8.14E-09
4028	740459.89	4110264.44	3.71E-08	6.75E-08	3.71E-09	1.08E-07	5.75E-09	1.11E-08	5.56E-10	1.74E-08	5.59E-09	9.53E-09	7.06E-10	1.58E-08	3.18E-09	5.26E-09	1.74E-10	8.61E-09
4029	740452.2	4110220.91	3.86E-08	7.03E-08	3.86E-09	1.13E-07	5.99E-09	1.15E-08	5.79E-10	1.81E-08	5.82E-09	9.92E-09	7.36E-10	1.65E-08	3.31E-09	5.47E-09	1.81E-10	8.96E-09
4030	740444.52	4110177.39	3.93E-08	7.17E-08	3.94E-09	1.15E-07	6.10E-09	1.18E-08	5.91E-10	1.84E-08	5.93E-09	1.01E-08	7.50E-10	1.68E-08	3.37E-09	5.58E-09	1.85E-10	9.14E-09
4031	740436.83	4110133.86	3.92E-08	7.14E-08	3.92E-09	1.15E-07	6.08E-09	1.17E-08	5.88E-10	1.84E-08	5.91E-09	1.01E-08	7.47E-10	1.67E-08	3.36E-09	5.56E-09	1.84E-10	9.10E-09
4032	740429.15	4110090.34	3.83E-08	6.97E-08	3.83E-09	1.12E-07	5.93E-09	1.14E-08	5.74E-10	1.79E-08	5.77E-09	9.83E-09	7.29E-10	1.63E-08	3.28E-09	5.42E-09	1.80E-10	8.88E-09
4033	740421.46	4110046.81	3.67E-08	6.69E-08	3.68E-09	1.07E-07	5.70E-09	1.10E-08	5.51E-10	1.72E-08	5.54E-09	9.44E-09	7.00E-10	1.57E-08	3.15E-09	5.21E-09	1.73E-10	8.53E-09
4034	740413.78	4110003.29	3.49E-08	6.36E-08	3.49E-09	1.02E-07	5.42E-09	1.04E-08	5.24E-10	1.64E-08	5.27E-09	8.98E-09	6.65E-10	1.49E-08	2.99E-09	4.95E-09	1.64E-10	8.11E-09
4035	740406.09	4109959.76	3.30E-08	6.02E-08	3.31E-09	9.65E-08	5.12E-09	9.87E-09	4.96E-10	1.55E-08	4.98E-09	8.49E-09	6.29E-10	1.41E-08	2.83E-09	4.68E-09	1.55E-10	7.67E-09
4036	740398.41	4109916.23	3.13E-08	5.70E-08	3.13E-09	9.14E-08	4.85E-09	9.34E-09	4.69E-10	1.47E-08	4.72E-09	8.04E-09	5.96E-10	1.34E-08	2.68E-09	4.43E-09	1.47E-10	7.26E-09
4037	740390.72	4109872.71	2.98E-08	5.43E-08	2.98E-09	8.71E-08	4.62E-09	8.90E-09	4.47E-10	1.40E-08	4.49E-09	7.66E-09	5.68E-10	1.27E-08	2.55E-09	4.22E-09	1.40E-10	6.92E-09
4038	740383.04	4109829.18	2.87E-08	5.22E-08	2.87E-09	8.38E-08	4.44E-09	8.56E-09	4.30E-10	1.34E-08	4.32E-09	7.37E-09	5.46E-10	1.22E-08	2.46E-09	4.06E-09	1.35E-10	6.65E-09
4039	740375.35	4109785.66	2.79E-08	5.08E-08	2.79E-09	8.15E-08	4.33E-09	8.34E-09	4.19E-10	1.31E-08	4.21E-09	7.17E-09	5.32E-10	1.19E-08	2.39E-09	3.96E-09	1.31E-10	6.48E-09
4040	740367.67	4109742.13	2.74E-08	5.00E-08	2.75E-09	8.02E-08	4.26E-09	8.20E-09	4.12E-10	1.29E-08	4.14E-09	7.06E-09	5.23E-10	1.17E-08	2.35E-09	3.89E-09	1.29E-10	6.37E-09
4041	740359.99	4109698.61	2.72E-08	4.95E-08	2.72E-09	7.94E-08	4.21E-09	8.12E-09	4.08E-10	1.27E-08	4.10E-09	6.99E-09	5.18E-10	1.16E-08	2.33E-09	3.85E-09	1.28E-10	6.31E-09
4042	740368.83	4109658.75	2.74E-08	4.99E-08	2.74E-09	7.99E-08	4.24E-09	8.17E-09	4.11E-10	1.28E-08	4.13E-09	7.03E-09	5.21E-10	1.17E-08	2.34E-09	3.88E-09	1.29E-10	6.35E-09
4043	740394.2	4109622.56	2.78E-08	5.07E-08	2.78E-09	8.13E-08	4.32E-09	8.31E-09	4.18E-10	1.30E-08	4.20E-09	7.15E-09	5.30E-10	1.19E-08	2.38E-09	3.95E-09	1.31E-10	6.46E-09
4044	740419.57	4109586.37	2.80E-08	5.11E-08	2.80E-09	8.19E-08	4.34E-09	8.37E-09	4.21E-10	1.31E-08	4.23E-09	7.20E-09	5.34E-10	1.20E-08	2.40E-09	3.97E-09	1.32E-10	6.51E-09
4045	740444.95	4109550.18	2.78E-08	5.07E-08	2.79E-09	8.13E-08	4.32E-09	8.32E-09	4.18E-10	1.31E-08	4.20E-09	7.16E-09	5.30E-10	1.19E-08	2.39E-09	3.95E-09	1.31E-10	6.46E-09
4046	740470.32	4109513.99	2.73E-08	4.97E-08	2.73E-09	7.96E-08	4.23E-09	8.14E-09	4.09E-10	1.28E-08	4.11E-09	7.01E-09	5.19E-10	1.16E-08	2.34E-09	3.86E-09	1.28E-10	6.33E-09
4047	740495.69	4109477.8	2.63E-08	4.79E-08	2.63E-09	7.68E-08	4.08E-09	7.85E-09	3.95E-10	1.23E-08	3.96E-09	6.76E-09	5.01E-10	1.12E-08	2.25E-09	3.73E-09	1.24E-10	6.10E-09
4048	740521.06	4109441.61	2.51E-08	4.56E-08	2.51E-09	7.32E-08	3.88E-09	7.48E-09	3.76E-10	1.17E-08	3.78E-09	6.44E-09	4.77E-10	1.07E-08	2.15E-09	3.55E-09	1.18E-10	5.82E-09
4049	740546.43	4109405.41	2.37E-08	4.31E-08	2.37E-09	6.91E-08	3.67E-09	7.07E-09	3.55E-10	1.11E-08	3.57E-09	6.08E-09	4.51E-10	1.01E-08	2.03E-09	3.35E-09	1.11E-10	5.49E-09
4050	740571.81	4109369.22	2.22E-08	4.05E-08	2.22E-09	6.49E-08	3.45E-09	6.64E-09	3.34E-10	1.04E-08	3.35E-09	5.71E-09	4.23E-10	9.49E-09	1.90E-09	3.15E-09	1.04E-10	5.16E-09
4051	740597.18	4109333.03	2.08E-08	3.79E-08	2.08E-09	6.08E-08	3.22E-09	6.21E-09	3.12E-10	9.75E-09	3.14E-09	5.35E-09	3.96E-10	8.88E-09	1.78E-09	2.95E-09	9.77E-11	4.83E-09
4052	740622.55	4109296.84	1.94E-08	3.54E-08	1.94E-09	5.68E-08	3.01E-09	5.81E-09	2.92E-10	9.11E-09	2.93E-09	5.00E-09	3.70E-10	8.30E-09	1.67E-09	2.76E-09	9.13E-11	4.51E-09
4053	740647.92	4109260.65	1.81E-08	3.31E-08	1.82E-09	5.30E-08	2.81E-09	5.42E-09	2.72E-10	8.51E-09	2.74E-09	4.66E-09	3.46E-10	7.75E-09	1.55E-09	2.57E-09	8.53E-11	4.21E-09
4054	740673.29	4109224.46	1.69E-08	3.09E-08	1.70E-09	4.95E-08	2.63E-09	5.06E-09	2.54E-10	7.94E-09	2.55E-09	4.36E-09	3.23E-10	7.23E-09	1.45E-09	2.40E-09	7.96E-11	3.93E-09
4055	740698.67	4109188.27	1.59E-08	2.89E-08	1.59E-09	4.63E-08	2.46E-09	4.74E-09	2.38E-10	7.44E-09	2.39E-09	4.08E-09	3.02E-10	6.77E-09	1.36E-09	2.25E-09	7.45E-11	3.68E-09
4056	740724.04	4109152.08	1.49E-08	2.72E-08	1.49E-09	4.36E-08	2.31E-09	4.46E-09	2.24E-10	7.00E-09	2.25E-09	3.84E-09	2.84E-10	6.37E-09	1.28E-09	2.12E-09	7.01E-11	3.46E-09
4057	740749.41	4109115.89	1.42E-08	2.58E-08	1.42E-09	4.14E-08	2.20E-09	4.23E-09	2.13E-10	6.64E-09	2.14E-09	3.64E-09	2.70E-10	6.05E-09	1.21E-09	2.01E-09	6.66E-11	3.29E-09
4058	740774.78	4109079.7	1.36E-08	2.48E-08	1.36E-09	3.97E-08	2.11E-09	4.06E-09	2.04E-10	6.38E-09	2.05E-09	3.50E-09	2.59E-10	5.81E-09	1.17E-09	1.93E-09	6.39E-11	3.16E-09
4059	740800.15	4109043.51	1.32E-08	2.41E-08	1.32E-09	3.87E-08	2.05E-09	3.96E-09	1.99E-10	6.21E-09	2.00E-09	3.40E-09	2.52E-10	5.65E-09	1.13E-09	1.88E-09	6.22E-11	3.07E-09
4060	740825.53	4109007.32	1.31E-08	2.38E-08	1.31E-09	3.82E-08	2.03E-09	3.90E-09	1.96E-10	6.12E-09	1.97E-09	3.36E-09	2.49E-10	5.58E-09	1.12E-09	1.85E-09	6.14E-11	3.03E-09
4061	740850.9	4108971.13	1.30E-08	2.38E-08	1.30E-09	3.81E-08	2.02E-09	3.89E-09	1.96E-10	6.11E-09	1.97E-09	3.35E-09	2.48E-10	5.56E-09	1.12E-09	1.85E-09	6.13E-11	3.03E-09
4062	740876.27	4108934.93	1.31E-08	2.39E-08	1.31E-09	3.83E-08	2.03E-09	3.91E-09	1.97E-10	6.14E-09	1.97E-09	3.37E-09	2.50E-10	5.59E-09	1.12E-09	1.86E-09	6.15E-11	3.04E-09
4063	740901.64	4108898.74	1.32E-08	2.40E-08	1.32E-09	3.85E-08	2.04E-09	3.94E-09	1.98E-10	6.18E-09	1.99E-09	3.39E-09	2.51E-10	5.63E-09	1.13E-09	1.87E-09	6.20E-11	3.06E-09
4064	740927.02	4108862.55	1.32E-08	2.41E-08	1.32E-09	3.87E-08	2.05E-09	3.96E-09	1.99E-10	6.21E-09	2.00E-09	3.40E-09	2.52E-10	5.65E-09	1.13E-09	1.88E-09	6.22E-11	3.07E-09
4065	740952.39	4108826.36	1.32E-08	2.41E-08	1.32E-09	3.86E-08	2.05E-09	3.94E-09	1.98E-10	6.19E-09	1.99E-09	3.39E-09	2.52E-10	5.64E-09	1.13E-09	1.87E-09	6.20E-11	3.06E-09
4066	740977.76	4108790.17	1.30E-08	2.38E-08	1.31E-09	3.81E-08	2.02E-09	3.90E-09	1.96E-10	6.12E-09	1.97E-09	3.35E-09	2.49E-10	5.57E-09	1.12E-09	1.85E-09	6.13E-11	3.03E-09
4067	740568.06	4110827.49	2.75E-08	5.02E-08	2.75E-09	8.05E-08	4.27E-09	8.22E-09	4.13E-10	1.29E-08	4.15E-09	7.08E-09	5.25E-10	1.18E-08	2.36E-09	3.90E-09	1.29E-10	6.39E-09
4068	740580.18	4110846.48	2.77E-08	5.05E-08	2.77E-09	8.10E-08	4.30E-09	8.28E-09	4.16E-10	1.30E-08	4.18E-09	7.12E-09	5.28E-10	1.18E-08	2.37E-09	3.93E-09	1.30E-10	6.43E-09
4069	740592.29	4110865.47	2.79E-08	5.08E-08	2.79E-09	8.15E-08	4.32E-09	8.33E-09	4.18E-10	1.31E-08	4.20E-09	7.17E-09	5.31E-10	1.19E-08	2.39E-09	3.95E-09	1.31E-10	6.47E-09
4070	740604.4	4110884.46	2.80E-08	5.11E-08	2.80E-09	8.19E-08	4.35E-09	8.37E-09	4.21E-10	1.31E-08	4.23E-09	7.20E-09	5.34E-10	1.20E-08	2.40E-09	3.97E-09	1.32E-10	6.51E-09
4071	740616.52	4110903.44	2.81E-08	5.13E-08	2.82E-09	8.22E-08	4.36E-09	8.41E-09	4.22E-10	1.32E-08	4.24E-09	7.23E-09	5.36E-10	1.20E-08	2.41E-09	3.99E-09	1.32E-10	6.53E-09
4072	740628.63	4110922.43	2.82E-08	5.14E-08	2.82E-09	8.25E-08	4.38E-09	8.43E-09	4.24E-10	1.32E-08	4.26E-09	7.25E-09	5.38E-10	1.20E-08	2.42E-09	4.00E-09	1.33E-10	6.55E-09
4073	740640.74	4110941.42	2.82E-08	5.15E-08	2.83E-09	8.25E-08	4.38E-09	8.44E-09	4.24E-10	1.32E-08	4.26E-09	7.26E-09	5.38E-10	1.21E-08	2.42E-09	4.01E-09	1.33E-10	6.56E-09
4074	740652.86	4110960.41	2.82E-08	5.14E-08	2.82E-09	8.25E-08	4.38E-09	8.43E-09	4.23E-10	1.32E-08	4.25E-09	7.25E-09	5.38E-10	1.20E-08	2.42E-09	4.00E-09	1.33E-10	6.55E-09
4075	740664.97	4110979.39	2.81E-08	5.12E-08	2.81E-09	8.22E-08	4.36E-09	8.40E-09	4.22E-10	1.32E-08	4.24E-09	7.23E-09	5.36E-10	1.20E-08	2.41E-09	3.99E-09	1.32E-10	6.53E-09
4076	740214.83	4111001.58	1.97E-08	3.59E-08	1.97E-09	5.76E-08	3.05E-09	5.88E-09	2.96E-10	9.23E-09	2.97E-09	5.06E-09	3.75E-10	8.41E-09	1.69E-09	2.79E-09	9.26E-11	4.57E-09
4077	740207.05	4110957.48	1.97E-08	3.60E-08	1.97E-09	5.77E-08	3.06E-09	5.90E-09	2.96E-10	9.25E-09	2.98E-09	5.07E-09	3.76E-10	8.43E-09	1.69E-09	2.80E-09	9.27E-11	4.58E-09
4078	740199.26	4110913.37	1.98E-08	3.60E-08	1.98E-09	5.78E-08	3.07E-09	5.91E-09	2.97E-10	9.27E-09	2.98E-09	5.08E-09	3.77E-10	8.44E-09	1.69E-09	2.80E-09	9.29E-11	4.59E-09
4079	740191.47	4110869.27	1.98E-08	3.61E-08	1.98E-09	5.79E-08	3.07E-09	5.92E-09	2.97E-10	9.29E-09	2.99E-09	5.09E-09	3.78E-10	8.46E-09	1.70E-09	2.81E-09	9.31E-11	4.60E-09
4080	740183.69	4110825.16	1.99E-08	3.63E-08	1.99E-09	5.82E-08	3.09E-09	5.95E-09	2.99E-10	9.33E-09	3.00E-09	5.12E-09	3.79E-10	8.50E-09	1.71E-09	2.82E-09	9.36E-11	4.62E-09
4081	740179.79	4110803.11	2.00E-08	3.64E-08	2.00E-09	5.84E-08	3.10E-09	5.97E-09	3.00E-10	9.37E-09	3.01E-09	5.14E-09	3.81E-10	8.53E-09	1.71E-09	2.83E-09	9.39E-11	4.64E-09
4082	740172	4110759	2.02E-08	3.68E-08	2.02E-09	5.89E-08	3.13E-09	6.03E-09	3.03E-10	9.46E-09	3.04E-09	5.19E-09	3.84E-10	8.61E-09	1.73E-09	2.86E-09	9.48E-11	4.68E-09
4083	740164.22	4110714.9	2.04E-08	3.72E-08	2.04E-09	5.96E-08	3.16E-09	6.10E-09	3.06E-10	9.57E-09	3.08E-09	5.24E-09	3.89E-10	8.71E-09	1.75E-09	2.89E-09	9.59E-11	4.74E-09
4084	740160.32	4110692.84	2.05E-08	3.74E-08	2.05E-09	6.00E-08	3.18E-09	6.13E-09	3.08E-10	9.62E-09	3.09E-09	5.27E-09	3.91E-10	8.76E-09	1.76E-09	2.91E-09	9.64E-11	4.76E-09
4085	740152.54	4110648.74	2.07E-08	3.78E-08	2.08E-09	6.06E-08	3.22E-09	6.20E-09	3.11E-10	9.72E-09	3.13E-09	5.33E-09	3.95E-10	8.85E-09	1.78E-09	2.94E-09	9.75E-11	4.82E-09
4086	740144.75	4110604.63	2.10E-08	3.82E-08	2.10E-09	6.13E-08	3.25E-09	6.27E-09	3.15E-10	9.83E-09	3.16E-09	5.39E-09	4.00E-10	8.95E-09	1.80E-09	2.97E-09	9.86E-11	4.87E-09
4087	740140.85	4110582.58	2.11E-08	3.85E-08	2.11E-09	6.17E-08	3.27E-09	6.31E-09	3.17E-10	9.90E-09	3.18E-09	5.43E-09	4.02E-10	9.02E-09	1.81E-09	2.99E-09	9.92E-11	4.90E-09
4088	740133.07	4110538.47	2.15E-08	3.92E-08	2.15E-09	6.29E-08	3.34E-09	6.43E-09	3.23E-10	1.01E-08	3.25E-09	5.54E-09	4.10E-10	9.19E-09	1.85E-09	3.05E-09	1.01E-10	5.00E-09
4089	740125.28	4110494.37	2.22E-08	4.05E-08	2.22E-09	6.49E-08	3.44E-09	6.63E-09	3.33E-10	1.04E-08	3.35E-09	5.71E-09	4.23E-10	9.48E-09	1.90E-09	3.15E-09	1.04E-10	5.16E-09
4090	740117.49	4110450.26	2.32E-08	4.23E-08	2.32E-09	6.78E-08	3.60E-09	6.93E-09	3.48E-10	1.09E-08	3.50E-09	5.96E-09	4.42E-10	9.90E-09	1.99E-09	3.29E-09	1.09E-10	5.39E-09

4091	740109.71	4110406.16	2.45E-08	4.46E-08	2.45E-09	7.15E-08	3.79E-09	7.31E-09	3.67E-10	1.15E-08	3.69E-09	6.29E-09	4.66E-10	1.04E-08	2.10E-09	3.47E-09	1.15E-10	5.68E-09
4092	740105.81	4110384.1	2.52E-08	4.58E-08	2.52E-09	7.35E-08	3.90E-09	7.52E-09	3.78E-10	1.18E-08	3.79E-09	6.47E-09	4.79E-10	1.07E-08	2.16E-09	3.57E-09	1.18E-10	5.84E-09
4093	740098.02	4110340	2.65E-08	4.84E-08	2.66E-09	7.76E-08	4.12E-09	7.93E-09	3.98E-10	1.24E-08	4.00E-09	6.82E-09	5.06E-10	1.13E-08	2.27E-09	3.76E-09	1.25E-10	6.16E-09
4094	740090.24	4110295.89	2.77E-08	5.05E-08	2.77E-09	8.10E-08	4.30E-09	8.28E-09	4.16E-10	1.30E-08	4.18E-09	7.13E-09	5.28E-10	1.18E-08	2.38E-09	3.93E-09	1.30E-10	6.44E-09
4095	740086.34	4110273.84	2.82E-08	5.13E-08	2.82E-09	8.23E-08	4.37E-09	8.42E-09	4.23E-10	1.32E-08	4.25E-09	7.24E-09	5.37E-10	1.20E-08	2.41E-09	4.00E-09	1.32E-10	6.54E-09
4096	740078.56	4110229.73	2.87E-08	5.23E-08	2.87E-09	8.39E-08	4.45E-09	8.58E-09	4.31E-10	1.35E-08	4.33E-09	7.38E-09	5.47E-10	1.23E-08	2.46E-09	4.07E-09	1.35E-10	6.67E-09
4097	740070.77	4110185.63	2.87E-08	5.24E-08	2.88E-09	8.40E-08	4.46E-09	8.59E-09	4.31E-10	1.35E-08	4.33E-09	7.39E-09	5.48E-10	1.23E-08	2.46E-09	4.08E-09	1.35E-10	6.67E-09
4098	740066.87	4110163.58	2.86E-08	5.21E-08	2.86E-09	8.35E-08	4.43E-09	8.53E-09	4.29E-10	1.34E-08	4.31E-09	7.34E-09	5.44E-10	1.22E-08	2.45E-09	4.05E-09	1.34E-10	6.63E-09
4099	740059.09	4110119.47	2.79E-08	5.09E-08	2.79E-09	8.16E-08	4.33E-09	8.34E-09	4.19E-10	1.31E-08	4.21E-09	7.17E-09	5.32E-10	1.19E-08	2.39E-09	3.96E-09	1.31E-10	6.48E-09
4100	740051.3	4110075.36	2.69E-08	4.91E-08	2.70E-09	7.87E-08	4.18E-09	8.05E-09	4.04E-10	1.26E-08	4.06E-09	6.93E-09	5.14E-10	1.15E-08	2.31E-09	3.82E-09	1.27E-10	6.26E-09
4101	740043.51	4110031.26	2.58E-08	4.70E-08	2.58E-09	7.54E-08	4.00E-09	7.71E-09	3.87E-10	1.21E-08	3.89E-09	6.64E-09	4.92E-10	1.10E-08	2.21E-09	3.66E-09	1.21E-10	5.99E-09
4102	740035.73	4109987.15	2.46E-08	4.49E-08	2.46E-09	7.19E-08	3.82E-09	7.35E-09	3.69E-10	1.15E-08	3.71E-09	6.33E-09	4.69E-10	1.05E-08	2.11E-09	3.49E-09	1.16E-10	5.72E-09
4103	740031.83	4109965.1	2.40E-08	4.38E-08	2.40E-09	7.02E-08	3.72E-09	7.18E-09	3.60E-10	1.13E-08	3.62E-09	6.17E-09	4.58E-10	1.03E-08	2.06E-09	3.41E-09	1.13E-10	5.58E-09
4104	740024.04	4109920.99	2.29E-08	4.17E-08	2.29E-09	6.68E-08	3.55E-09	6.83E-09	3.43E-10	1.07E-08	3.45E-09	5.88E-09	4.36E-10	9.76E-09	1.96E-09	3.24E-09	1.07E-10	5.31E-09
4105	740016.26	4109876.89	2.18E-08	3.98E-08	2.18E-09	6.38E-08	3.38E-09	6.52E-09	3.28E-10	1.02E-08	3.29E-09	5.61E-09	4.16E-10	9.32E-09	1.87E-09	3.09E-09	1.03E-10	5.07E-09
4106	740012.36	4109854.84	2.14E-08	3.89E-08	2.14E-09	6.24E-08	3.31E-09	6.38E-09	3.21E-10	1.00E-08	3.22E-09	5.49E-09	4.07E-10	9.12E-09	1.83E-09	3.03E-09	1.00E-10	4.96E-09
4107	740004.58	4109810.73	2.06E-08	3.75E-08	2.06E-09	6.02E-08	3.19E-09	6.15E-09	3.09E-10	9.66E-09	3.11E-09	5.30E-09	3.93E-10	8.79E-09	1.77E-09	2.92E-09	9.68E-11	4.78E-09
4108	739996.79	4109766.62	2.01E-08	3.66E-08	2.01E-09	5.86E-08	3.11E-09	5.99E-09	3.01E-10	9.40E-09	3.03E-09	5.16E-09	3.82E-10	8.56E-09	1.72E-09	2.84E-09	9.43E-11	4.66E-09
4109	739989	4109722.52	1.97E-08	3.59E-08	1.97E-09	5.76E-08	3.06E-09	5.89E-09	2.96E-10	9.25E-09	2.97E-09	5.07E-09	3.76E-10	8.42E-09	1.69E-09	2.80E-09	9.27E-11	4.58E-09
4110	739981.21	4109678.41	1.96E-08	3.56E-08	1.96E-09	5.72E-08	3.03E-09	5.84E-09	2.94E-10	9.17E-09	2.95E-09	5.03E-09	3.73E-10	8.35E-09	1.68E-09	2.77E-09	9.19E-11	4.54E-09
4111	739977.32	4109656.36	1.95E-08	3.56E-08	1.95E-09	5.71E-08	3.03E-09	5.83E-09	2.93E-10	9.15E-09	2.94E-09	5.02E-09	3.72E-10	8.34E-09	1.67E-09	2.77E-09	9.18E-11	4.53E-09
4112	739969.53	4109612.25	1.95E-08	3.55E-08	1.95E-09	5.70E-08	3.02E-09	5.82E-09	2.93E-10	9.14E-09	2.94E-09	5.01E-09	3.72E-10	8.32E-09	1.67E-09	2.76E-09	9.16E-11	4.53E-09
4113	739978.49	4109571.86	1.97E-08	3.59E-08	1.97E-09	5.76E-08	3.06E-09	5.89E-09	2.96E-10	9.24E-09	2.97E-09	5.07E-09	3.76E-10	8.41E-09	1.69E-09	2.79E-09	9.26E-11	4.58E-09
4114	740004.2	4109535.19	2.01E-08	3.66E-08	2.01E-09	5.87E-08	3.11E-09	6.00E-09	3.01E-10	9.42E-09	3.03E-09	5.16E-09	3.83E-10	8.57E-09	1.72E-09	2.85E-09	9.44E-11	4.66E-09
4115	740017.06	4109516.85	2.02E-08	3.68E-08	2.02E-09	5.91E-08	3.14E-09	6.04E-09	3.03E-10	9.48E-09	3.05E-09	5.20E-09	3.85E-10	8.63E-09	1.73E-09	2.87E-09	9.50E-11	4.69E-09
4116	740042.77	4109480.18	2.03E-08	3.71E-08	2.03E-09	5.94E-08	3.15E-09	6.08E-09	3.05E-10	9.53E-09	3.07E-09	5.23E-09	3.88E-10	8.68E-09	1.74E-09	2.88E-09	9.56E-11	4.72E-09
4117	740055.63	4109461.84	2.03E-08	3.70E-08	2.03E-09	5.94E-08	3.15E-09	6.07E-09	3.05E-10	9.52E-09	3.06E-09	5.22E-09	3.87E-10	8.67E-09	1.74E-09	2.88E-09	9.55E-11	4.72E-09
4118	740081.34	4109425.17	2.01E-08	3.66E-08	2.01E-09	5.87E-08	3.11E-09	6.00E-09	3.01E-10	9.41E-09	3.03E-09	5.16E-09	3.83E-10	8.57E-09	1.72E-09	2.85E-09	9.44E-11	4.66E-09
4119	740094.19	4109406.83	1.99E-08	3.62E-08	1.99E-09	5.81E-08	3.08E-09	5.94E-09	2.98E-10	9.32E-09	3.00E-09	5.11E-09	3.79E-10	8.48E-09	1.70E-09	2.82E-09	9.34E-11	4.61E-09
4120	740119.9	4109370.16	1.93E-08	3.52E-08	1.93E-09	5.64E-08	2.99E-09	5.76E-09	2.90E-10	9.04E-09	2.91E-09	4.96E-09	3.68E-10	8.24E-09	1.65E-09	2.74E-09	9.07E-11	4.48E-09
4121	740132.76	4109351.82	1.89E-08	3.45E-08	1.89E-09	5.53E-08	2.94E-09	5.65E-09	2.84E-10	8.87E-09	2.85E-09	4.87E-09	3.61E-10	8.08E-09	1.62E-09	2.68E-09	8.89E-11	4.39E-09
4122	740158.47	4109315.15	1.81E-08	3.30E-08	1.81E-09	5.29E-08	2.81E-09	5.41E-09	2.72E-10	8.48E-09	2.73E-09	4.65E-09	3.45E-10	7.72E-09	1.55E-09	2.57E-09	8.50E-11	4.20E-09
4123	740171.32	4109296.81	1.76E-08	3.21E-08	1.77E-09	5.16E-08	2.74E-09	5.27E-09	2.65E-10	8.27E-09	2.66E-09	4.54E-09	3.36E-10	7.53E-09	1.51E-09	2.50E-09	8.29E-11	4.10E-09
4124	740197.03	4109260.14	1.67E-08	3.05E-08	1.67E-09	4.88E-08	2.59E-09	4.99E-09	2.51E-10	7.84E-09	2.52E-09	4.30E-09	3.18E-10	7.14E-09	1.43E-09	2.37E-09	7.85E-11	3.88E-09
4125	740209.89	4109241.8	1.63E-08	2.96E-08	1.63E-09	4.75E-08	2.52E-09	4.85E-09	2.44E-10	7.62E-09	2.45E-09	4.18E-09	3.10E-10	6.94E-09	1.39E-09	2.30E-09	7.64E-11	3.77E-09
4126	740235.6	4109205.13	1.54E-08	2.80E-08	1.54E-09	4.49E-08	2.38E-09	4.59E-09	2.30E-10	7.20E-09	2.32E-09	3.95E-09	2.93E-10	6.56E-09	1.32E-09	2.18E-09	7.22E-11	3.57E-09
4127	740248.45	4109186.79	1.49E-08	2.72E-08	1.49E-09	4.36E-08	2.32E-09	4.46E-09	2.24E-10	7.00E-09	2.25E-09	3.84E-09	2.85E-10	6.37E-09	1.28E-09	2.12E-09	7.02E-11	3.47E-09
4128	740274.16	4109150.12	1.41E-08	2.57E-08	1.41E-09	4.13E-08	2.19E-09	4.22E-09	2.12E-10	6.62E-09	2.13E-09	3.63E-09	2.69E-10	6.03E-09	1.21E-09	2.00E-09	6.64E-11	3.28E-09
4129	740299.87	4109113.45	1.34E-08	2.44E-08	1.34E-09	3.91E-08	2.07E-09	4.00E-09	2.01E-10	6.27E-09	2.02E-09	3.44E-09	2.55E-10	5.71E-09	1.15E-09	1.90E-09	6.29E-11	3.11E-09
4130	740312.73	4109095.11	1.30E-08	2.37E-08	1.30E-09	3.80E-08	2.02E-09	3.89E-09	1.95E-10	6.10E-09	1.96E-09	3.35E-09	2.48E-10	5.56E-09	1.11E-09	1.85E-09	6.12E-11	3.02E-09
4131	740338.44	4109058.44	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.77E-09	1.86E-09	3.17E-09	2.35E-10	5.26E-09	1.06E-09	1.75E-09	5.79E-11	2.86E-09
4132	740351.3	4109040.1	1.20E-08	2.18E-08	1.20E-09	3.50E-08	1.86E-09	3.58E-09	1.80E-10	5.61E-09	1.81E-09	3.08E-09	2.28E-10	5.11E-09	1.03E-09	1.70E-09	5.63E-11	2.78E-09
4133	740377.01	4109003.43	1.13E-08	2.06E-08	1.13E-09	3.31E-08	1.76E-09	3.38E-09	1.70E-10	5.31E-09	1.71E-09	2.91E-09	2.16E-10	4.83E-09	9.70E-10	1.61E-09	5.32E-11	2.63E-09
4134	740389.86	4108985.09	1.10E-08	2.01E-08	1.10E-09	3.22E-08	1.71E-09	3.29E-09	1.65E-10	5.16E-09	1.66E-09	2.83E-09	2.10E-10	4.70E-09	9.43E-10	1.56E-09	5.17E-11	2.56E-09
4135	740415.57	4108948.42	1.04E-08	1.90E-08	1.04E-09	3.04E-08	1.62E-09	3.11E-09	1.56E-10	4.88E-09	1.57E-09	2.68E-09	1.98E-10	4.45E-09	8.93E-10	1.48E-09	4.90E-11	2.42E-09
4136	740428.43	4108930.08	1.01E-08	1.85E-08	1.02E-09	2.97E-08	1.57E-09	3.03E-09	1.52E-10	4.76E-09	1.53E-09	2.61E-09	1.93E-10	4.33E-09	8.69E-10	1.44E-09	4.77E-11	2.36E-09
4137	740454.14	4108893.41	9.69E-09	1.77E-08	9.70E-10	2.83E-08	1.50E-09	2.89E-09	1.45E-10	4.54E-09	1.46E-09	2.49E-09	1.85E-10	4.14E-09	8.30E-10	1.37E-09	4.55E-11	2.25E-09
4138	740466.99	4108875.07	9.51E-09	1.73E-08	9.51E-10	2.78E-08	1.47E-09	2.84E-09	1.43E-10	4.46E-09	1.43E-09	2.44E-09	1.81E-10	4.06E-09	8.15E-10	1.35E-09	4.47E-11	2.21E-09
4139	740492.7	4108838.4	9.23E-09	1.68E-08	9.24E-10	2.70E-08	1.43E-09	2.76E-09	1.39E-10	4.33E-09	1.39E-09	2.37E-09	1.76E-10	3.94E-09	7.91E-10	1.31E-09	4.34E-11	2.14E-09
4140	740505.56	4108820.06	9.14E-09	1.67E-08	9.15E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.29E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.83E-10	1.30E-09	4.30E-11	2.12E-09
4141	740531.27	4108783.39	9.06E-09	1.65E-08	9.06E-10	2.65E-08	1.40E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.76E-10	1.28E-09	4.26E-11	2.10E-09
4142	740544.12	4108765.05	9.06E-09	1.65E-08	9.06E-10	2.65E-08	1.40E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.76E-10	1.28E-09	4.26E-11	2.10E-09
4143	740569.83	4108728.38	9.12E-09	1.66E-08	9.12E-10	2.66E-08	1.41E-09	2.72E-09	1.37E-10	4.27E-09	1.37E-09	2.34E-09	1.74E-10	3.89E-09	7.81E-10	1.29E-09	4.28E-11	2.12E-09
4144	740582.69	4108710.04	9.17E-09	1.67E-08	9.17E-10	2.68E-08	1.42E-09	2.74E-09	1.38E-10	4.30E-09	1.38E-09	2.36E-09	1.75E-10	3.91E-09	7.86E-10	1.30E-09	4.31E-11	2.13E-09
4145	740608.4	4108673.37	9.29E-09	1.69E-08	9.29E-10	2.71E-08	1.44E-09	2.78E-09	1.39E-10	4.35E-09	1.40E-09	2.39E-09	1.77E-10	3.97E-09	7.96E-10	1.32E-09	4.37E-11	2.16E-09
4146	740634.11	4108636.7	9.41E-09	1.71E-08	9.41E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.06E-10	1.33E-09	4.42E-11	2.18E-09
4147	740646.97	4108618.36	9.46E-09	1.72E-08	9.47E-10	2.77E-08	1.47E-09	2.83E-09	1.42E-10	4.44E-09	1.43E-09	2.43E-09	1.80E-10	4.04E-09	8.11E-10	1.34E-09	4.45E-11	2.20E-09
4148	740672.68	4108581.69	9.53E-09	1.74E-08	9.53E-10	2.78E-08	1.48E-09	2.85E-09	1.43E-10	4.47E-09	1.44E-09	2.45E-09	1.82E-10	4.07E-09	8.16E-10	1.35E-09	4.48E-11	2.21E-09
4149	740685.53	4108563.35	9.54E-09	1.74E-08	9.54E-10	2.79E-08	1.48E-09	2.85E-09	1.43E-10	4.47E-09	1.44E-09	2.45E-09	1.82E-10	4.07E-09	8.17E-10	1.35E-09	4.48E-11	2.21E-09
4150	740711.24	4108526.68	9.50E-09	1.73E-08	9.51E-10	2.78E-08	1.47E-09	2.84E-09	1.43E-10	4.46E-09	1.43E-09	2.44E-09	1.81E-10	4.06E-09	8.14E-10	1.35E-09	4.47E-11	2.21E-09
4151	740724.1	4108508.34	9.46E-09	1.72E-08	9.46E-10	2.76E-08	1.47E-09	2.83E-09	1.42E-10	4.43E-09	1.43E-09	2.43E-09	1.80E-10	4.04E-09	8.10E-10	1.34E-09	4.44E-11	2.20E-09
4152	740749.81	4108471.67	9.31E-09	1.70E-08	9.31E-10	2.72E-08	1.44E-09	2.78E-09	1.40E-10	4.36E-09	1.40E-09	2.39E-09	1.77E-10	3.97E-09	7.98E-10	1.32E-09	4.37E-11	2.16E-09
4153	740762.66	4108453.33	9.21E-09	1.68E-08	9.21E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.32E-09	1.39E-09	2.37E-09	1.75E-10	3.93E-09	7.89E-10	1.31E-09	4.33E-11	2.14E-09
4154	740788.37	4108416.66	8.95E-09	1.63E-08	8.96E-10	2.62E-08	1.39E-09	2.67E-09	1.34E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.82E-09	7.67E-10	1.27E-09	4.21E-11	2.08E-09
4155	740218.73	4111023.64	1.97E-08	3.58E-08	1.97E-09	5.75E-08	3.05E-09	5.88E-09	2.95E-10	9.22E-09	2.97E-09	5.06E-09	3.75E-10	8.40E-09	1.69E-09	2.79E-09	9.24E-11	4.57E-09
4156	740242.95	4111061.61	1.99E-08	3.62E-08	1.99E-09	5.80E-08	3.08E-09	5.93E-09	2.98E-10	9.31E-09	3.00E-09	5.11E-09	3.78E-10	8.48E-09	1.70E-09	2.82E-09	9.33E-11	4.61E-09
4157	740255.07	4111080.6	2.00E-08	3.64E-08	2.00E-09	5.83E-08	3.09E-09	5.96E-09	2.99E-10	9.36E-09	3.01E-09	5.13E-09	3.80E-10	8.52E-09	1.71E-09	2.83E-09	9.38E-11	4.63E-09
4158	740267.18	4111099.59	2.00E-08	3.65E-08	2.01E-09	5.86E-08	3.11E-09	5.99E-09	3.01E-10	9.39E-09	3.02E-09	5.15E-09	3.82E-10	8.55E-09	1.72E-09	2.84E-09	9.42E-11	4.65E-09
4159	740279.29	4111118.58	2.01E-08	3.67E-08	2.01E-09	5.88E-08	3.12E-09	6.01E-09	3.02E-10	9.43E-09	3.03E-09	5.17E-09	3.83E-10	8.59E-09	1.72E-09	2.85E-09	9.45E-11	4.67E-09
4160	740291.41	4111137.56	2.02E-08	3.68E-08	2.02E-09	5.90E-08	3.13E-09	6.03E-09	3.03E-10	9.46E-09	3.04E-09	5.19E-09	3.84E-10	8.61E-09	1.73E-09	2.86E-09	9.48E-11	4.68E-09
4161	740303.52	4111156.55	2.02E-08	3.68E-08	2.02E-09	5.91E-08	3.13E-09	6.04E-09	3.03E-10	9.48E-09	3.05E-09	5.20E-09	3.85E-10	8.63E-09	1.73E-09	2.87E-09	9.50E-11	4.69E-09
4162	740315.63	4111175.54	2.02E-08	3.69E-08	2.02E-09	5.91E-08	3.14E-09	6.04E-09	3.04E-10	9.48E-09	3.05E-09	5.20E-09	3.85E-10	8.63E-09	1.73E-09	2.87E-09	9.50E-11	4.70E-09
4163	740327.75	4111194.53	2.02E-08	3.68E-08	2.02E-09	5.91E-08	3.13E-09	6.04E-09	3.03E-10	9.47E-09	3.05E-09	5.19E-09	3.85E-10	8.63E-09	1.73E-09	2.87E-09	9.50E-11	4.69E-09
4164	739877.63	4111216.8	1.51E-08	2.75E-08	1.51E-09	4.41E-08	2.34E-09	4.51E-09	2.26E-10	7.07E-09	2.27E-09	3.88E-09	2.87E-10	6.44E-09	1.29E-09	2.14E-09	7.09E-11	3.50E-09
4165	739869.87	4111172.87	1.51E-08	2.76E-08	1.51E-09	4.42E-08	2.35E-09	4.52E-09	2.27E-10	7.09E-09	2.28E-09	3.89E-09	2.88E-10	6.46E-09	1.30E-09	2.14E-09	7.11E-11	3.51E-09
4166	739862.12	4111128.94	1.52E-08	2.76E-08	1.52E-09	4.43E-08	2.35E-09	4.53E-09	2.27E-10	7.10E-09	2.29E-09	3.90E-09	2.89E-10	6.47E-09	1.30E-09	2.15E-09	7.12E-11	3.52E-09
4167	739854.36	4111085.02	1.52E-08	2.76E-08	1.52E-09	4.43E-08	2.35E-09	4.53E-09	2.28E-10	7.11E-09	2.29E-09	3.90E-09	2.89E-10	6.48E-09	1.30E-09	2.15E-09	7.13E-11	3.52E-09
4168	739846.6	4111041.09	1.52E-08	2.77E-08	1.52E-09	4.44E-08	2.36E-09	4.54E-09	2.28E-10	7.12E-09	2.29E-09	3.90E-09	2.89E-10	6.48E-09	1.30E-09	2.15E-09	7.14E-11	3.53E-09
4169	739838.85	4110997.16	1.52E-08	2.78E-08	1.52E-09	4.45E-08	2.36E-09	4.55E-09	2.29E-10	7.14E-09	2.30E-09	3.91E-09	2.90E-10	6.50E-09	1.30E-09	2.16E-09	7.16E-11	3.54E-09
4170	739831.09	4110953.23	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.18E-09	2.31E-09	3.94E-09	2.92E-10	6.54E-09	1.31E-09	2.17E-09	7.20E-11	3.56E-09
4171	739823.34	4110909.3	1.54E-08	2.81E-08	1.54E-09	4.51E-08	2.39E-09	4.61E-09	2.32E-10	7.24E-09	2.33E-09	3.97E-09	2.94E-10	6.59E-09	1.32E-09	2.19E-09	7.26E-11	3.58E-09
4172	739815.58	4110865.37	1.56E-08	2.84E-08	1.56E-09	4.56E-08	2.42E-09	4.66E-09	2.34E-10	7.31E-09	2.35E-09	4.01E-09	2.97E-10	6.66E-09	1.34E-09	2.21E-09	7.33E-11	3.62E-09
4173	739807.82	4110821.44	1.58E-08	2.87E-08	1.58E-09	4.60E-08	2.44E-09	4.71E-09	2.36E-10	7.39E-09	2.38E-09	4.05E-09	3.00E-10	6.73E-09	1.35E-09	2.23E-09	7.40E-11	3.66E-09
4174	739800.07	4110777.51	1.59E-08	2.90E-08	1.59E-09	4.64E-08	2.46E-09	4.75E-09	2.39E-10	7.45E-09	2.40E-09	4.09E-09	3.03E-10	6.78E-09	1.36E-09	2.25E-09	7.47E-11	3.69E-09
4175	739792.31	4110733.58	1.60E-08	2.92E-08	1.60E-09	4.68E-08	2.48E-09	4.78E-09	2.40E-10	7.51E-09	2.41E-09	4.12E-09	3.05E-10	6.84E-09	1.37E-09	2.27E-09	7.52E-11	3.72E-09
4176	739784.55	4110689.65	1.62E-08	2.94E-08	1.62E-09	4.72E-08	2.50E-09	4.82E-09	2.42E-10	7.57E-09	2.44E-09	4.15E-09	3.08E-10	6.89E-09	1.38E-09	2.29E-09	7.59E-11	3.75E-09
4177	739776.8	4110645.72	1.64E-08	2.98E-08	1.64E-09	4.78E-08	2.54E-09	4.89E-09	2.46E-10	7.68E-09	2.47E-09	4.21E-09	3.12E-10	6.99E-09	1.40E-09	2.32E-09	7.69E-11	3.80E-09
4178	739769.04	4110601.79	1.67E-08	3.05E-08	1.68E-09	4.89E-08	2.60E-09	5.00E-09	2.51E-10	7.85E-09	2.52E-09	4.30E-09	3.19E-10	7.15E-09	1.43E-09	2.37E-09	7.87E-11	3.89E-09
4179	739761.29	4110557.86	1.73E-08	3.15E-08	1.73E-09	5.06E-08	2.68E-09	5.17E-09	2.60E-10	8.11E-09	2.61E-09	4.45E-09	3.30E-10	7.39E-09	1.48E-09	2.45E-09	8.13E-11	4.02E-09

4180	739753.53	4110513.93	1.81E-08	3.29E-08	1.81E-09	5.28E-08	2.80E-09	5.39E-09	2.71E-10	8.47E-09	2.72E-09	4.64E-09	3.44E-10	7.71E-09	1.55E-09	2.56E-09	8.49E-11	4.19E-09
4181	739745.77	4110470	1.90E-08	3.46E-08	1.90E-09	5.54E-08	2.94E-09	5.67E-09	2.85E-10	8.89E-09	2.86E-09	4.87E-09	3.61E-10	8.10E-09	1.62E-09	2.69E-09	8.91E-11	4.40E-09
4182	739738.02	4110426.07	1.99E-08	3.63E-08	2.00E-09	5.83E-08	3.09E-09	5.96E-09	2.99E-10	9.35E-09	3.01E-09	5.13E-09	3.80E-10	8.51E-09	1.71E-09	2.83E-09	9.37E-11	4.63E-09
4183	739730.26	4110382.14	2.09E-08	3.80E-08	2.09E-09	6.10E-08	3.24E-09	6.23E-09	3.13E-10	9.78E-09	3.15E-09	5.36E-09	3.98E-10	8.91E-09	1.79E-09	2.96E-09	9.81E-11	4.85E-09
4184	739722.5	4110338.22	2.16E-08	3.94E-08	2.16E-09	6.32E-08	3.35E-09	6.46E-09	3.24E-10	1.01E-08	3.26E-09	5.56E-09	4.12E-10	9.23E-09	1.85E-09	3.06E-09	1.02E-10	5.02E-09
4185	739714.75	4110294.29	2.21E-08	4.03E-08	2.21E-09	6.46E-08	3.43E-09	6.60E-09	3.32E-10	1.04E-08	3.33E-09	5.68E-09	4.21E-10	9.43E-09	1.89E-09	3.13E-09	1.04E-10	5.13E-09
4186	739706.99	4110250.36	2.23E-08	4.06E-08	2.23E-09	6.50E-08	3.45E-09	6.65E-09	3.34E-10	1.04E-08	3.36E-09	5.72E-09	4.24E-10	9.50E-09	1.91E-09	3.16E-09	1.05E-10	5.17E-09
4187	739699.24	4110206.43	2.21E-08	4.03E-08	2.21E-09	6.46E-08	3.43E-09	6.60E-09	3.32E-10	1.04E-08	3.33E-09	5.68E-09	4.21E-10	9.44E-09	1.89E-09	3.13E-09	1.04E-10	5.13E-09
4188	739691.48	4110162.5	2.17E-08	3.95E-08	2.17E-09	6.33E-08	3.36E-09	6.48E-09	3.25E-10	1.02E-08	3.27E-09	5.57E-09	4.13E-10	9.25E-09	1.86E-09	3.07E-09	1.02E-10	5.03E-09
4189	739683.72	4110118.57	2.11E-08	3.84E-08	2.11E-09	6.15E-08	3.27E-09	6.29E-09	3.16E-10	9.87E-09	3.18E-09	5.41E-09	4.01E-10	8.99E-09	1.80E-09	2.99E-09	9.90E-11	4.89E-09
4190	739675.97	4110074.64	2.03E-08	3.70E-08	2.03E-09	5.94E-08	3.15E-09	6.07E-09	3.05E-10	9.53E-09	3.07E-09	5.23E-09	3.87E-10	8.68E-09	1.74E-09	2.88E-09	9.55E-11	4.72E-09
4191	739668.21	4110030.71	1.95E-08	3.56E-08	1.96E-09	5.71E-08	3.03E-09	5.84E-09	2.93E-10	9.16E-09	2.95E-09	5.02E-09	3.72E-10	8.34E-09	1.67E-09	2.77E-09	9.19E-11	4.54E-09
4192	739660.45	4109986.78	1.87E-08	3.41E-08	1.87E-09	5.48E-08	2.91E-09	5.60E-09	2.81E-10	8.78E-09	2.83E-09	4.82E-09	3.57E-10	8.00E-09	1.61E-09	2.66E-09	8.81E-11	4.35E-09
4193	739652.7	4109942.85	1.79E-08	3.27E-08	1.80E-09	5.25E-08	2.78E-09	5.36E-09	2.69E-10	8.42E-09	2.71E-09	4.61E-09	3.42E-10	7.66E-09	1.54E-09	2.54E-09	8.44E-11	4.17E-09
4194	739644.94	4109898.92	1.72E-08	3.13E-08	1.72E-09	5.03E-08	2.67E-09	5.14E-09	2.58E-10	8.07E-09	2.59E-09	4.42E-09	3.28E-10	7.34E-09	1.47E-09	2.44E-09	8.08E-11	3.99E-09
4195	739637.19	4109854.99	1.65E-08	3.01E-08	1.65E-09	4.83E-08	2.56E-09	4.94E-09	2.48E-10	7.75E-09	2.49E-09	4.25E-09	3.15E-10	7.05E-09	1.42E-09	2.34E-09	7.77E-11	3.84E-09
4196	739629.43	4109811.06	1.59E-08	2.90E-08	1.59E-09	4.66E-08	2.47E-09	4.76E-09	2.39E-10	7.47E-09	2.40E-09	4.10E-09	3.04E-10	6.81E-09	1.37E-09	2.26E-09	7.49E-11	3.70E-09
4197	739621.67	4109767.13	1.55E-08	2.82E-08	1.55E-09	4.52E-08	2.40E-09	4.62E-09	2.32E-10	7.25E-09	2.33E-09	3.98E-09	2.95E-10	6.61E-09	1.33E-09	2.19E-09	7.27E-11	3.59E-09
4198	739613.92	4109723.2	1.51E-08	2.76E-08	1.51E-09	4.42E-08	2.35E-09	4.52E-09	2.27E-10	7.09E-09	2.28E-09	3.89E-09	2.88E-10	6.46E-09	1.30E-09	2.15E-09	7.11E-11	3.51E-09
4199	739606.16	4109679.27	1.49E-08	2.72E-08	1.49E-09	4.36E-08	2.31E-09	4.45E-09	2.24E-10	6.99E-09	2.25E-09	3.83E-09	2.84E-10	6.36E-09	1.28E-09	2.11E-09	7.01E-11	3.46E-09
4200	739598.4	4109635.35	1.48E-08	2.70E-08	1.48E-09	4.33E-08	2.30E-09	4.42E-09	2.22E-10	6.94E-09	2.23E-09	3.81E-09	2.82E-10	6.32E-09	1.27E-09	2.10E-09	6.96E-11	3.44E-09
4201	739590.65	4109591.42	1.48E-08	2.70E-08	1.48E-09	4.32E-08	2.29E-09	4.42E-09	2.22E-10	6.93E-09	2.23E-09	3.80E-09	2.82E-10	6.31E-09	1.27E-09	2.10E-09	6.95E-11	3.43E-09
4202	739582.89	4109547.49	1.48E-08	2.70E-08	1.48E-09	4.33E-08	2.30E-09	4.43E-09	2.23E-10	6.95E-09	2.24E-09	3.81E-09	2.83E-10	6.33E-09	1.27E-09	2.10E-09	6.97E-11	3.44E-09
4203	739587.94	4109485.29	1.50E-08	2.74E-08	1.50E-09	4.39E-08	2.33E-09	4.49E-09	2.26E-10	7.05E-09	2.27E-09	3.86E-09	2.86E-10	6.42E-09	1.29E-09	2.13E-09	7.07E-11	3.49E-09
4204	739613.55	4109448.77	1.53E-08	2.79E-08	1.53E-09	4.48E-08	2.38E-09	4.58E-09	2.30E-10	7.18E-09	2.31E-09	3.94E-09	2.92E-10	6.54E-09	1.31E-09	2.17E-09	7.20E-11	3.56E-09
4205	739639.16	4109412.24	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.41E-09	4.64E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.96E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
4206	739664.76	4109375.71	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.42E-09	4.66E-09	2.34E-10	7.31E-09	2.35E-09	4.01E-09	2.97E-10	6.65E-09	1.34E-09	2.21E-09	7.33E-11	3.62E-09
4207	739690.37	4109339.19	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
4208	739715.98	4109302.66	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.17E-09	2.31E-09	3.93E-09	2.92E-10	6.53E-09	1.31E-09	2.17E-09	7.19E-11	3.55E-09
4209	739741.59	4109266.13	1.49E-08	2.72E-08	1.50E-09	4.37E-08	2.32E-09	4.46E-09	2.24E-10	7.01E-09	2.25E-09	3.84E-09	2.85E-10	6.38E-09	1.28E-09	2.12E-09	7.02E-11	3.47E-09
4210	739754.39	4109247.87	1.47E-08	2.68E-08	1.47E-09	4.30E-08	2.28E-09	4.40E-09	2.21E-10	6.90E-09	2.22E-09	3.78E-09	2.80E-10	6.28E-09	1.26E-09	2.09E-09	6.92E-11	3.42E-09
4211	739780	4109211.34	1.42E-08	2.59E-08	1.42E-09	4.15E-08	2.20E-09	4.24E-09	2.13E-10	6.65E-09	2.14E-09	3.65E-09	2.70E-10	6.06E-09	1.22E-09	2.01E-09	6.67E-11	3.29E-09
4212	739805.6	4109174.82	1.36E-08	2.47E-08	1.36E-09	3.97E-08	2.11E-09	4.06E-09	2.04E-10	6.37E-09	2.05E-09	3.49E-09	2.59E-10	5.80E-09	1.16E-09	1.93E-09	6.38E-11	3.15E-09
4213	739831.21	4109138.29	1.29E-08	2.36E-08	1.30E-09	3.78E-08	2.01E-09	3.87E-09	1.94E-10	6.07E-09	1.95E-09	3.33E-09	2.47E-10	5.53E-09	1.11E-09	1.84E-09	6.08E-11	3.01E-09
4214	739856.82	4109101.76	1.23E-08	2.24E-08	1.23E-09	3.59E-08	1.91E-09	3.67E-09	1.85E-10	5.77E-09	1.85E-09	3.16E-09	2.34E-10	5.25E-09	1.05E-09	1.74E-09	5.78E-11	2.86E-09
4215	739882.43	4109065.24	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.81E-09	3.49E-09	1.76E-10	5.48E-09	1.76E-09	3.01E-09	2.23E-10	4.99E-09	1.00E-09	1.66E-09	5.50E-11	2.72E-09
4216	739908.04	4109028.71	1.11E-08	2.03E-08	1.11E-09	3.25E-08	1.73E-09	3.33E-09	1.67E-10	5.22E-09	1.68E-09	2.86E-09	2.12E-10	4.75E-09	9.54E-10	1.58E-09	5.23E-11	2.59E-09
4217	739933.64	4108992.18	1.06E-08	1.94E-08	1.06E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	4.99E-09	1.60E-09	2.73E-09	2.03E-10	4.54E-09	9.11E-10	1.51E-09	5.00E-11	2.47E-09
4218	739959.25	4108955.66	1.02E-08	1.85E-08	1.02E-09	2.97E-08	1.58E-09	3.04E-09	1.53E-10	4.77E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.72E-10	1.44E-09	4.78E-11	2.36E-09
4219	739984.86	4108919.13	9.75E-09	1.78E-08	9.76E-10	2.85E-08	1.51E-09	2.91E-09	1.46E-10	4.57E-09	1.47E-09	2.51E-09	1.86E-10	4.16E-09	8.36E-10	1.38E-09	4.58E-11	2.26E-09
4220	739997.66	4108900.87	9.55E-09	1.74E-08	9.55E-10	2.79E-08	1.48E-09	2.85E-09	1.43E-10	4.48E-09	1.44E-09	2.45E-09	1.82E-10	4.08E-09	8.18E-10	1.35E-09	4.49E-11	2.22E-09
4221	740023.27	4108864.34	9.14E-09	1.67E-08	9.14E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.28E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.83E-10	1.30E-09	4.30E-11	2.12E-09
4222	740048.88	4108827.81	8.73E-09	1.59E-08	8.73E-10	2.55E-08	1.35E-09	2.61E-09	1.31E-10	4.09E-09	1.32E-09	2.24E-09	1.66E-10	3.72E-09	7.48E-10	1.24E-09	4.10E-11	2.03E-09
4223	740074.49	4108791.29	8.31E-09	1.51E-08	8.31E-10	2.43E-08	1.29E-09	2.48E-09	1.25E-10	3.89E-09	1.25E-09	2.14E-09	1.58E-10	3.55E-09	7.12E-10	1.18E-09	3.90E-11	1.93E-09
4224	740100.09	4108754.76	7.90E-09	1.44E-08	7.90E-10	2.31E-08	1.23E-09	2.36E-09	1.19E-10	3.70E-09	1.19E-09	2.03E-09	1.51E-10	3.37E-09	6.77E-10	1.12E-09	3.71E-11	1.83E-09
4225	740125.7	4108718.23	7.52E-09	1.37E-08	7.53E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.13E-09	1.93E-09	1.43E-10	3.21E-09	6.45E-10	1.07E-09	3.54E-11	1.75E-09
4226	740151.31	4108681.71	7.20E-09	1.31E-08	7.21E-10	2.11E-08	1.12E-09	2.15E-09	1.08E-10	3.38E-09	1.09E-09	1.85E-09	1.37E-10	3.08E-09	6.17E-10	1.02E-09	3.39E-11	1.67E-09
4227	740176.92	4108645.18	6.96E-09	1.27E-08	6.97E-10	2.03E-08	1.08E-09	2.08E-09	1.05E-10	3.26E-09	1.05E-09	1.79E-09	1.33E-10	2.97E-09	5.97E-10	9.87E-10	3.27E-11	1.62E-09
4228	740202.52	4108608.65	6.81E-09	1.24E-08	6.81E-10	1.99E-08	1.06E-09	2.03E-09	1.02E-10	3.19E-09	1.03E-09	1.75E-09	1.30E-10	2.91E-09	5.83E-10	9.65E-10	3.20E-11	1.58E-09
4229	740228.13	4108572.13	6.74E-09	1.23E-08	6.74E-10	1.97E-08	1.04E-09	2.01E-09	1.01E-10	3.16E-09	1.02E-09	1.73E-09	1.28E-10	2.88E-09	5.77E-10	9.55E-10	3.17E-11	1.56E-09
4230	740240.93	4108553.86	6.73E-09	1.23E-08	6.74E-10	1.97E-08	1.04E-09	2.01E-09	1.01E-10	3.16E-09	1.02E-09	1.73E-09	1.28E-10	2.87E-09	5.77E-10	9.54E-10	3.16E-11	1.56E-09
4231	740266.54	4108517.34	6.77E-09	1.23E-08	6.77E-10	1.98E-08	1.05E-09	2.02E-09	1.02E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.89E-09	5.80E-10	9.59E-10	3.18E-11	1.57E-09
4232	740292.15	4108480.81	6.85E-09	1.25E-08	6.85E-10	2.00E-08	1.06E-09	2.05E-09	1.03E-10	3.21E-09	1.03E-09	1.76E-09	1.31E-10	2.92E-09	5.87E-10	9.71E-10	3.22E-11	1.59E-09
4233	740317.76	4108444.28	6.95E-09	1.27E-08	6.96E-10	2.03E-08	1.08E-09	2.08E-09	1.04E-10	3.26E-09	1.05E-09	1.79E-09	1.33E-10	2.97E-09	5.96E-10	9.86E-10	3.27E-11	1.61E-09
4234	740343.37	4108407.76	7.07E-09	1.29E-08	7.07E-10	2.07E-08	1.10E-09	2.11E-09	1.06E-10	3.31E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.06E-10	1.00E-09	3.32E-11	1.64E-09
4235	740368.97	4108371.23	7.16E-09	1.31E-08	7.17E-10	2.09E-08	1.11E-09	2.14E-09	1.08E-10	3.36E-09	1.08E-09	1.84E-09	1.37E-10	3.06E-09	6.14E-10	1.02E-09	3.37E-11	1.66E-09
4236	740394.58	4108334.7	7.23E-09	1.32E-08	7.24E-10	2.11E-08	1.12E-09	2.16E-09	1.09E-10	3.39E-09	1.09E-09	1.86E-09	1.38E-10	3.09E-09	6.20E-10	1.03E-09	3.40E-11	1.68E-09
4237	740420.19	4108298.18	7.27E-09	1.33E-08	7.28E-10	2.13E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.23E-10	1.03E-09	3.42E-11	1.69E-09
4238	740445.8	4108261.65	7.27E-09	1.33E-08	7.28E-10	2.13E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.23E-10	1.03E-09	3.42E-11	1.69E-09
4239	740471.4	4108225.12	7.23E-09	1.32E-08	7.24E-10	2.11E-08	1.12E-09	2.16E-09	1.09E-10	3.39E-09	1.09E-09	1.86E-09	1.38E-10	3.09E-09	6.20E-10	1.03E-09	3.40E-11	1.68E-09
4240	740497.01	4108188.6	7.15E-09	1.30E-08	7.16E-10	2.09E-08	1.11E-09	2.14E-09	1.07E-10	3.35E-09	1.08E-09	1.84E-09	1.36E-10	3.05E-09	6.13E-10	1.01E-09	3.36E-11	1.66E-09
4241	740522.62	4108152.07	7.03E-09	1.28E-08	7.04E-10	2.06E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.00E-09	6.03E-10	9.97E-10	3.31E-11	1.63E-09
4242	740548.23	4108115.54	6.87E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.05E-09	1.03E-10	3.22E-09	1.04E-09	1.77E-09	1.31E-10	2.93E-09	5.89E-10	9.75E-10	3.23E-11	1.60E-09
4243	739893.62	4111257.76	1.51E-08	2.75E-08	1.51E-09	4.42E-08	2.34E-09	4.51E-09	2.27E-10	7.09E-09	2.28E-09	3.88E-09	2.88E-10	6.45E-09	1.29E-09	2.14E-09	7.10E-11	3.51E-09
4244	739905.73	4111276.74	1.52E-08	2.76E-08	1.52E-09	4.43E-08	2.35E-09	4.53E-09	2.28E-10	7.11E-09	2.29E-09	3.90E-09	2.89E-10	6.48E-09	1.30E-09	2.15E-09	7.13E-11	3.52E-09
4245	739917.85	4111295.73	1.52E-08	2.77E-08	1.52E-09	4.45E-08	2.36E-09	4.55E-09	2.29E-10	7.14E-09	2.30E-09	3.91E-09	2.90E-10	6.50E-09	1.30E-09	2.16E-09	7.16E-11	3.54E-09
4246	739929.96	4111314.72	1.53E-08	2.78E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.29E-10	7.17E-09	2.30E-09	3.93E-09	2.91E-10	6.52E-09	1.31E-09	2.17E-09	7.18E-11	3.55E-09
4247	739942.07	4111333.71	1.53E-08	2.79E-08	1.53E-09	4.48E-08	2.38E-09	4.58E-09	2.30E-10	7.19E-09	2.31E-09	3.94E-09	2.92E-10	6.55E-09	1.31E-09	2.17E-09	7.21E-11	3.56E-09
4248	739954.19	4111352.69	1.54E-08	2.80E-08	1.54E-09	4.49E-08	2.39E-09	4.60E-09	2.31E-10	7.21E-09	2.32E-09	3.95E-09	2.93E-10	6.57E-09	1.32E-09	2.18E-09	7.23E-11	3.57E-09
4249	739966.3	4111371.68	1.54E-08	2.81E-08	1.54E-09	4.50E-08	2.39E-09	4.61E-09	2.31E-10	7.23E-09	2.32E-09	3.96E-09	2.94E-10	6.58E-09	1.32E-09	2.19E-09	7.24E-11	3.58E-09
4250	739978.41	4111390.67	1.54E-08	2.81E-08	1.54E-09	4.51E-08	2.39E-09	4.61E-09	2.32E-10	7.24E-09	2.33E-09	3.97E-09	2.94E-10	6.59E-09	1.32E-09	2.19E-09	7.25E-11	3.58E-09
4251	739990.53	4111409.66	1.54E-08	2.81E-08	1.55E-09	4.51E-08	2.39E-09	4.61E-09	2.32E-10	7.24E-09	2.33E-09	3.97E-09	2.94E-10	6.59E-09	1.32E-09	2.19E-09	7.26E-11	3.59E-09
4252	739540.38	4111431.76	1.21E-08	2.20E-08	1.21E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.65E-09	1.82E-09	3.10E-09	2.30E-10	5.15E-09	1.03E-09	1.71E-09	5.66E-11	2.80E-09
4253	739536.47	4111409.62	1.21E-08	2.20E-08	1.21E-09	3.53E-08	1.87E-09	3.61E-09	1.81E-10	5.66E-09	1.82E-09	3.10E-09	2.30E-10	5.16E-09	1.03E-09	1.71E-09	5.68E-11	2.80E-09
4254	739528.65	4111365.34	1.21E-08	2.21E-08	1.21E-09	3.54E-08	1.88E-09	3.62E-09	1.82E-10	5.68E-09	1.83E-09	3.11E-09	2.31E-10	5.17E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
4255	739520.83	4111321.05	1.21E-08	2.21E-08	1.22E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
4256	739513.01	4111276.77	1.22E-08	2.21E-08	1.22E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.70E-09	1.83E-09	3.12E-09	2.32E-10	5.19E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
4257	739505.19	4111232.49	1.22E-08	2.22E-08	1.22E-09	3.55E-08	1.89E-09	3.63E-09	1.82E-10	5.70E-09	1.83E-09	3.12E-09	2.32E-10	5.19E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
4258	739501.28	4111210.35	1.22E-08	2.22E-08	1.22E-09	3.55E-08	1.89E-09	3.63E-09	1.82E-10	5.70E-09	1.83E-09	3.13E-09	2.32E-10	5.19E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
4259	739493.46	4111166.06	1.22E-08	2.22E-08	1.22E-09	3.56E-08	1.89E-09	3.64E-09	1.83E-10	5.71E-09	1.84E-09	3.13E-09	2.32E-10	5.20E-09	1.04E-09	1.73E-09	5.72E-11	2.83E-09
4260	739485.65	4111121.78	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.90E-09	3.65E-09	1.83E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.74E-11	2.84E-09
4261	739477.83	4111077.5	1.23E-08	2.24E-08	1.23E-09	3.59E-08	1.91E-09	3.67E-09	1.85E-10	5.77E-09	1.85E-09	3.16E-09	2.34E-10	5.25E-09	1.05E-09	1.74E-09	5.78E-11	2.86E-09
4262	739473.92	4111055.36	1.24E-08	2.25E-08	1.24E-09	3.61E-08	1.92E-09	3.69E-09	1.85E-10	5.79E-09	1.86E-09	3.18E-09	2.35E-10	5.27E-09	1.06E-09	1.75E-09	5.80E-11	2.87E-09
4263	739466.1	4111011.08	1.25E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.84E-09	1.88E-09	3.20E-09	2.38E-10	5.32E-09	1.07E-09	1.77E-09	5.86E-11	2.89E-09
4264	739458.28	4110966.79	1.26E-08	2.29E-08	1.26E-09	3.68E-08	1.95E-09	3.76E-09	1.89E-10	5.90E-09	1.90E-09	3.24E-09	2.40E-10	5.37E-09	1.08E-09	1.78E-09	5.91E-11	2.92E-09
4265	739450.46	4110922.51	1.27E-08	2.31E-08	1.27E-09	3.71E-08	1.97E-09	3.79E-09	1.90E-10	5.95E-09	1.91E-09	3.26E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.96E-11	2.95E-09
4266	739446.55	4110900.37	1.27E-08	2.32E-08	1.27E-09	3.72E-08	1.97E-09	3.80E-09	1.91E-10	5.97E-09	1.92E-09	3.27E-09	2.43E-10	5.44E-09	1.09E-09	1.81E-09	5.98E-11	2.96E-09
4267	739438.74	4110856.09	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.99E-09	3.83E-09	1.92E-10	6.00E-09	1.93E-09	3.29E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.97E-09
4268	739430.92	4110811.81	1.29E-08	2.35E-08	1.29E-09	3.76E-08	2.00E-09	3.85E-09	1.93E-10	6.03E-09	1.94E-09	3.31E-09	2.45E-10	5.49E-09	1.10E-09	1.83E-09	6.05E-11	2.99E-09

4269	739423.1	4110767.52	1.30E-08	2.36E-08	1.30E-09	3.79E-08	2.01E-09	3.88E-09	1.95E-10	6.08E-09	1.96E-09	3.34E-09	2.47E-10	5.54E-09	1.11E-09	1.84E-09	6.10E-11	3.01E-09
4270	739415.28	4110723.24	1.32E-08	2.40E-08	1.32E-09	3.84E-08	2.04E-09	3.93E-09	1.97E-10	6.17E-09	1.98E-09	3.38E-09	2.51E-10	5.62E-09	1.13E-09	1.87E-09	6.18E-11	3.05E-09
4271	739411.37	4110701.1	1.33E-08	2.42E-08	1.33E-09	3.88E-08	2.06E-09	3.97E-09	1.99E-10	6.23E-09	2.00E-09	3.42E-09	2.53E-10	5.67E-09	1.14E-09	1.88E-09	6.25E-11	3.09E-09
4272	739403.55	4110656.82	1.36E-08	2.49E-08	1.37E-09	3.99E-08	2.12E-09	4.08E-09	2.05E-10	6.40E-09	2.06E-09	3.51E-09	2.60E-10	5.83E-09	1.17E-09	1.94E-09	6.41E-11	3.17E-09
4273	739395.73	4110612.54	1.41E-08	2.58E-08	1.42E-09	4.13E-08	2.19E-09	4.23E-09	2.12E-10	6.63E-09	2.13E-09	3.64E-09	2.70E-10	6.04E-09	1.21E-09	2.01E-09	6.65E-11	3.28E-09
4274	739387.91	4110568.25	1.48E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.41E-09	2.22E-10	6.92E-09	2.23E-09	3.79E-09	2.81E-10	6.30E-09	1.26E-09	2.09E-09	6.94E-11	3.43E-09
4275	739384.01	4110546.11	1.51E-08	2.75E-08	1.51E-09	4.41E-08	2.34E-09	4.51E-09	2.27E-10	7.08E-09	2.28E-09	3.88E-09	2.88E-10	6.45E-09	1.29E-09	2.14E-09	7.10E-11	3.51E-09
4276	739376.19	4110501.83	1.58E-08	2.88E-08	1.58E-09	4.62E-08	2.45E-09	4.73E-09	2.37E-10	7.42E-09	2.39E-09	4.07E-09	3.01E-10	6.75E-09	1.36E-09	2.24E-09	7.43E-11	3.67E-09
4277	739368.37	4110457.55	1.65E-08	3.01E-08	1.65E-09	4.83E-08	2.56E-09	4.94E-09	2.48E-10	7.75E-09	2.49E-09	4.25E-09	3.15E-10	7.05E-09	1.42E-09	2.34E-09	7.77E-11	3.84E-09
4278	739360.55	4110413.27	1.71E-08	3.12E-08	1.72E-09	5.01E-08	2.66E-09	5.12E-09	2.57E-10	8.04E-09	2.59E-09	4.41E-09	3.27E-10	7.32E-09	1.47E-09	2.43E-09	8.06E-11	3.98E-09
4279	739356.64	4110391.12	1.74E-08	3.17E-08	1.74E-09	5.08E-08	2.70E-09	5.20E-09	2.61E-10	8.15E-09	2.62E-09	4.47E-09	3.31E-10	7.43E-09	1.49E-09	2.47E-09	8.17E-11	4.04E-09
4280	739348.82	4110346.84	1.78E-08	3.24E-08	1.78E-09	5.19E-08	2.75E-09	5.30E-09	2.66E-10	8.32E-09	2.68E-09	4.56E-09	3.38E-10	7.58E-09	1.52E-09	2.52E-09	8.34E-11	4.12E-09
4281	739341	4110302.56	1.79E-08	3.26E-08	1.79E-09	5.23E-08	2.78E-09	5.35E-09	2.69E-10	8.39E-09	2.70E-09	4.60E-09	3.41E-10	7.64E-09	1.53E-09	2.54E-09	8.41E-11	4.16E-09
4282	739333.18	4110258.28	1.78E-08	3.25E-08	1.78E-09	5.21E-08	2.76E-09	5.32E-09	2.67E-10	8.35E-09	2.69E-09	4.58E-09	3.40E-10	7.61E-09	1.53E-09	2.53E-09	8.37E-11	4.14E-09
4283	739325.37	4110213.99	1.76E-08	3.20E-08	1.76E-09	5.13E-08	2.72E-09	5.24E-09	2.63E-10	8.23E-09	2.65E-09	4.51E-09	3.35E-10	7.49E-09	1.50E-09	2.49E-09	8.25E-11	4.08E-09
4284	739321.46	4110191.85	1.74E-08	3.16E-08	1.74E-09	5.07E-08	2.69E-09	5.19E-09	2.61E-10	8.14E-09	2.62E-09	4.46E-09	3.31E-10	7.41E-09	1.49E-09	2.46E-09	8.16E-11	4.03E-09
4285	739313.64	4110147.57	1.69E-08	3.08E-08	1.69E-09	4.94E-08	2.62E-09	5.05E-09	2.54E-10	7.92E-09	2.55E-09	4.34E-09	3.22E-10	7.21E-09	1.45E-09	2.40E-09	7.94E-11	3.92E-09
4286	739305.82	4110103.29	1.64E-08	2.98E-08	1.64E-09	4.78E-08	2.54E-09	4.89E-09	2.46E-10	7.67E-09	2.47E-09	4.21E-09	3.12E-10	6.99E-09	1.40E-09	2.32E-09	7.69E-11	3.80E-09
4287	739298	4110059.01	1.58E-08	2.88E-08	1.58E-09	4.62E-08	2.45E-09	4.72E-09	2.37E-10	7.41E-09	2.38E-09	4.06E-09	3.01E-10	6.75E-09	1.35E-09	2.24E-09	7.43E-11	3.67E-09
4288	739294.09	4110036.87	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.41E-09	4.64E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.96E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
4289	739286.27	4109992.58	1.49E-08	2.72E-08	1.50E-09	4.37E-08	2.32E-09	4.46E-09	2.24E-10	7.00E-09	2.25E-09	3.84E-09	2.85E-10	6.38E-09	1.28E-09	2.12E-09	7.02E-11	3.47E-09
4290	739278.46	4109948.3	1.44E-08	2.62E-08	1.44E-09	4.20E-08	2.23E-09	4.30E-09	2.16E-10	6.74E-09	2.17E-09	3.70E-09	2.74E-10	6.14E-09	1.23E-09	2.04E-09	6.76E-11	3.34E-09
4291	739270.64	4109904.02	1.38E-08	2.52E-08	1.39E-09	4.05E-08	2.15E-09	4.14E-09	2.08E-10	6.49E-09	2.09E-09	3.56E-09	2.64E-10	5.91E-09	1.19E-09	1.96E-09	6.51E-11	3.21E-09
4292	739262.82	4109859.74	1.33E-08	2.43E-08	1.33E-09	3.90E-08	2.07E-09	3.98E-09	2.00E-10	6.25E-09	2.01E-09	3.43E-09	2.54E-10	5.69E-09	1.14E-09	1.89E-09	6.27E-11	3.10E-09
4293	739258.91	4109837.6	1.31E-08	2.39E-08	1.31E-09	3.83E-08	2.03E-09	3.91E-09	1.97E-10	6.14E-09	1.97E-09	3.37E-09	2.50E-10	5.59E-09	1.12E-09	1.86E-09	6.15E-11	3.04E-09
4294	739251.09	4109793.31	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.94E-09	1.91E-09	3.26E-09	2.41E-10	5.41E-09	1.09E-09	1.80E-09	5.95E-11	2.94E-09
4295	739243.27	4109749.03	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.77E-09	1.86E-09	3.16E-09	2.35E-10	5.26E-09	1.05E-09	1.75E-09	5.79E-11	2.86E-09
4296	739235.45	4109704.75	1.20E-08	2.19E-08	1.20E-09	3.52E-08	1.87E-09	3.59E-09	1.81E-10	5.64E-09	1.81E-09	3.09E-09	2.29E-10	5.14E-09	1.03E-09	1.71E-09	5.65E-11	2.79E-09
4297	739231.54	4109682.61	1.19E-08	2.17E-08	1.19E-09	3.49E-08	1.85E-09	3.56E-09	1.79E-10	5.59E-09	1.80E-09	3.07E-09	2.27E-10	5.09E-09	1.02E-09	1.69E-09	5.60E-11	2.77E-09
4298	739223.73	4109638.32	1.18E-08	2.15E-08	1.18E-09	3.44E-08	1.83E-09	3.52E-09	1.77E-10	5.52E-09	1.78E-09	3.03E-09	2.24E-10	5.03E-09	1.01E-09	1.67E-09	5.53E-11	2.73E-09
4299	739215.91	4109594.04	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.81E-09	3.50E-09	1.76E-10	5.49E-09	1.76E-09	3.01E-09	2.23E-10	5.00E-09	1.00E-09	1.66E-09	5.50E-11	2.72E-09
4300	739208.09	4109549.76	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.81E-09	3.49E-09	1.75E-10	5.48E-09	1.76E-09	3.01E-09	2.23E-10	4.99E-09	1.00E-09	1.66E-09	5.49E-11	2.71E-09
4301	739204.18	4109527.62	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.81E-09	3.50E-09	1.76E-10	5.49E-09	1.76E-09	3.01E-09	2.23E-10	5.00E-09	1.00E-09	1.66E-09	5.50E-11	2.72E-09
4302	739196.36	4109483.34	1.18E-08	2.14E-08	1.18E-09	3.44E-08	1.82E-09	3.51E-09	1.76E-10	5.51E-09	1.77E-09	3.02E-09	2.24E-10	5.02E-09	1.01E-09	1.67E-09	5.52E-11	2.73E-09
4303	739188.54	4109439.05	1.18E-08	2.15E-08	1.18E-09	3.45E-08	1.83E-09	3.53E-09	1.77E-10	5.54E-09	1.78E-09	3.04E-09	2.25E-10	5.05E-09	1.01E-09	1.68E-09	5.55E-11	2.74E-09
4304	739197.54	4109398.5	1.20E-08	2.18E-08	1.20E-09	3.50E-08	1.86E-09	3.58E-09	1.80E-10	5.61E-09	1.80E-09	3.08E-09	2.28E-10	5.11E-09	1.03E-09	1.70E-09	5.62E-11	2.78E-09
4305	739210.45	4109380.09	1.21E-08	2.20E-08	1.21E-09	3.53E-08	1.87E-09	3.61E-09	1.81E-10	5.66E-09	1.82E-09	3.11E-09	2.30E-10	5.16E-09	1.04E-09	1.71E-09	5.68E-11	2.81E-09
4306	739236.26	4109343.27	1.23E-08	2.24E-08	1.23E-09	3.59E-08	1.90E-09	3.67E-09	1.84E-10	5.75E-09	1.85E-09	3.16E-09	2.34E-10	5.24E-09	1.05E-09	1.74E-09	5.77E-11	2.85E-09
4307	739249.17	4109324.86	1.23E-08	2.25E-08	1.24E-09	3.61E-08	1.91E-09	3.69E-09	1.85E-10	5.79E-09	1.86E-09	3.17E-09	2.35E-10	5.27E-09	1.06E-09	1.75E-09	5.80E-11	2.87E-09
4308	739274.98	4109288.04	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.86E-10	5.83E-09	1.87E-09	3.19E-09	2.37E-10	5.30E-09	1.06E-09	1.76E-09	5.84E-11	2.88E-09
4309	739300.79	4109251.22	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.86E-10	5.82E-09	1.87E-09	3.19E-09	2.37E-10	5.30E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
4310	739313.7	4109232.81	1.24E-08	2.25E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.80E-09	1.87E-09	3.18E-09	2.36E-10	5.28E-09	1.06E-09	1.75E-09	5.81E-11	2.87E-09
4311	739339.51	4109195.99	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.89E-09	3.65E-09	1.83E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.21E-09	1.05E-09	1.73E-09	5.74E-11	2.84E-09
4312	739352.42	4109177.58	1.21E-08	2.20E-08	1.21E-09	3.54E-08	1.88E-09	3.61E-09	1.82E-10	5.67E-09	1.82E-09	3.11E-09	2.31E-10	5.16E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
4313	739378.23	4109140.76	1.18E-08	2.15E-08	1.18E-09	3.45E-08	1.83E-09	3.53E-09	1.77E-10	5.54E-09	1.78E-09	3.04E-09	2.25E-10	5.04E-09	1.01E-09	1.67E-09	5.55E-11	2.74E-09
4314	739391.14	4109122.35	1.16E-08	2.12E-08	1.16E-09	3.40E-08	1.80E-09	3.48E-09	1.75E-10	5.45E-09	1.75E-09	2.99E-09	2.22E-10	4.97E-09	9.97E-10	1.65E-09	5.47E-11	2.70E-09
4315	739416.95	4109085.53	1.12E-08	2.05E-08	1.12E-09	3.29E-08	1.74E-09	3.36E-09	1.69E-10	5.27E-09	1.70E-09	2.89E-09	2.14E-10	4.80E-09	9.63E-10	1.59E-09	5.28E-11	2.61E-09
4316	739429.86	4109067.12	1.10E-08	2.01E-08	1.10E-09	3.22E-08	1.71E-09	3.29E-09	1.65E-10	5.17E-09	1.66E-09	2.83E-09	2.10E-10	4.71E-09	9.45E-10	1.56E-09	5.18E-11	2.56E-09
4317	739455.67	4109030.3	1.06E-08	1.93E-08	1.06E-09	3.09E-08	1.64E-09	3.16E-09	1.59E-10	4.96E-09	1.59E-09	2.72E-09	2.01E-10	4.51E-09	9.06E-10	1.50E-09	4.97E-11	2.46E-09
4318	739481.49	4108993.48	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.57E-09	3.02E-09	1.52E-10	4.74E-09	1.52E-09	2.60E-09	1.93E-10	4.31E-09	8.66E-10	1.43E-09	4.75E-11	2.35E-09
4319	739494.39	4108975.07	9.87E-09	1.80E-08	9.88E-10	2.88E-08	1.53E-09	2.95E-09	1.48E-10	4.63E-09	1.49E-09	2.54E-09	1.88E-10	4.21E-09	8.46E-10	1.40E-09	4.64E-11	2.29E-09
4320	739520.21	4108938.25	9.41E-09	1.72E-08	9.42E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.07E-10	1.33E-09	4.42E-11	2.19E-09
4321	739533.11	4108919.84	9.20E-09	1.68E-08	9.21E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.31E-09	1.39E-09	2.37E-09	1.75E-10	3.93E-09	7.89E-10	1.30E-09	4.32E-11	2.14E-09
4322	739558.93	4108883.02	8.81E-09	1.61E-08	8.81E-10	2.57E-08	1.37E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.26E-09	1.68E-10	3.76E-09	7.55E-10	1.25E-09	4.14E-11	2.05E-09
4323	739571.83	4108864.61	8.63E-09	1.57E-08	8.63E-10	2.52E-08	1.34E-09	2.58E-09	1.29E-10	4.04E-09	1.30E-09	2.22E-09	1.64E-10	3.68E-09	7.39E-10	1.22E-09	4.05E-11	2.00E-09
4324	739597.65	4108827.79	8.30E-09	1.51E-08	8.30E-10	2.42E-08	1.29E-09	2.48E-09	1.25E-10	3.89E-09	1.25E-09	2.13E-09	1.58E-10	3.54E-09	7.11E-10	1.18E-09	3.90E-11	1.93E-09
4325	739623.46	4108790.97	8.00E-09	1.46E-08	8.01E-10	2.34E-08	1.24E-09	2.39E-09	1.20E-10	3.75E-09	1.21E-09	2.06E-09	1.53E-10	3.42E-09	6.86E-10	1.13E-09	3.76E-11	1.86E-09
4326	739636.37	4108772.56	7.87E-09	1.43E-08	7.87E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.69E-09	1.19E-09	2.02E-09	1.50E-10	3.36E-09	6.74E-10	1.12E-09	3.70E-11	1.83E-09
4327	739662.18	4108735.74	7.60E-09	1.39E-08	7.61E-10	2.22E-08	1.18E-09	2.27E-09	1.14E-10	3.57E-09	1.15E-09	1.95E-09	1.45E-10	3.25E-09	6.52E-10	1.08E-09	3.57E-11	1.77E-09
4328	739675.09	4108717.33	7.47E-09	1.36E-08	7.48E-10	2.18E-08	1.16E-09	2.23E-09	1.12E-10	3.50E-09	1.13E-09	1.92E-09	1.42E-10	3.19E-09	6.40E-10	1.06E-09	3.51E-11	1.74E-09
4329	739700.9	4108680.51	7.21E-09	1.31E-08	7.21E-10	2.11E-08	1.12E-09	2.15E-09	1.08E-10	3.38E-09	1.09E-09	1.85E-09	1.37E-10	3.08E-09	6.18E-10	1.02E-09	3.39E-11	1.67E-09
4330	739713.81	4108662.1	7.07E-09	1.29E-08	7.07E-10	2.07E-08	1.10E-09	2.11E-09	1.06E-10	3.31E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.06E-10	1.00E-09	3.32E-11	1.64E-09
4331	739739.62	4108625.28	6.78E-09	1.24E-08	6.79E-10	1.98E-08	1.05E-09	2.03E-09	1.02E-10	3.18E-09	1.02E-09	1.74E-09	1.29E-10	2.90E-09	5.81E-10	9.62E-10	3.19E-11	1.57E-09
4332	739752.53	4108606.87	6.64E-09	1.21E-08	6.64E-10	1.94E-08	1.03E-09	1.98E-09	9.96E-11	3.11E-09	1.00E-09	1.71E-09	1.26E-10	2.83E-09	5.69E-10	9.41E-10	3.12E-11	1.54E-09
4333	739778.34	4108570.05	6.34E-09	1.15E-08	6.34E-10	1.85E-08	9.83E-10	1.89E-09	9.51E-11	2.97E-09	9.56E-10	1.63E-09	1.21E-10	2.71E-09	5.43E-10	8.98E-10	2.98E-11	1.47E-09
4334	739804.15	4108533.23	6.05E-09	1.10E-08	6.05E-10	1.77E-08	9.38E-10	1.81E-09	9.08E-11	2.83E-09	9.12E-10	1.55E-09	1.15E-10	2.58E-09	5.18E-10	8.57E-10	2.84E-11	1.40E-09
4335	739817.06	4108514.82	5.91E-09	1.08E-08	5.91E-10	1.73E-08	9.16E-10	1.76E-09	8.87E-11	2.77E-09	8.91E-10	1.52E-09	1.13E-10	2.52E-09	5.06E-10	8.38E-10	2.78E-11	1.37E-09
4336	739842.87	4108478	5.66E-09	1.03E-08	5.67E-10	1.65E-08	8.78E-10	1.69E-09	8.50E-11	2.66E-09	8.54E-10	1.46E-09	1.08E-10	2.42E-09	4.85E-10	8.03E-10	2.66E-11	1.31E-09
4337	739855.78	4108459.59	5.56E-09	1.01E-08	5.56E-10	1.62E-08	8.62E-10	1.66E-09	8.34E-11	2.61E-09	8.38E-10	1.43E-09	1.06E-10	2.37E-09	4.76E-10	7.88E-10	2.61E-11	1.29E-09
4338	739881.59	4108422.77	5.39E-09	9.82E-09	5.39E-10	1.57E-08	8.36E-10	1.61E-09	8.09E-11	2.53E-09	8.12E-10	1.39E-09	1.03E-10	2.30E-09	4.62E-10	7.64E-10	2.53E-11	1.25E-09
4339	739894.5	4108404.36	5.33E-09	9.71E-09	5.33E-10	1.56E-08	8.26E-10	1.59E-09	8.00E-11	2.50E-09	8.03E-10	1.37E-09	1.02E-10	2.27E-09	4.56E-10	7.55E-10	2.50E-11	1.24E-09
4340	739920.31	4108367.54	5.25E-09	9.57E-09	5.26E-10	1.54E-08	8.15E-10	1.57E-09	7.88E-11	2.46E-09	7.92E-10	1.35E-09	1.00E-10	2.24E-09	4.50E-10	7.45E-10	2.47E-11	1.22E-09
4341	739946.13	4108330.72	5.24E-09	9.55E-09	5.24E-10	1.53E-08	8.12E-10	1.56E-09	7.86E-11	2.46E-09	7.90E-10	1.35E-09	9.98E-11	2.24E-09	4.49E-10	7.43E-10	2.46E-11	1.22E-09
4342	739959.03	4108312.31	5.25E-09	9.56E-09	5.25E-10	1.53E-08	8.14E-10	1.57E-09	7.88E-11	2.46E-09	7.92E-10	1.35E-09	1.00E-10	2.24E-09	4.50E-10	7.44E-10	2.47E-11	1.22E-09
4343	739984.85	4108275.49	5.31E-09	9.67E-09	5.31E-10	1.55E-08	8.23E-10	1.58E-09	7.96E-11	2.49E-09	8.00E-10	1.36E-09	1.01E-10	2.26E-09	4.55E-10	7.52E-10	2.49E-11	1.23E-09
4344	739997.75	4108257.08	5.34E-09	9.73E-09	5.35E-10	1.56E-08	8.28E-10	1.60E-09	8.02E-11	2.50E-09	8.06E-10	1.37E-09	1.02E-10	2.28E-09	4.58E-10	7.57E-10	2.51E-11	1.24E-09
4345	740023.57	4108220.26	5.43E-09	9.90E-09	5.43E-10	1.59E-08	8.42E-10	1.62E-09	8.15E-11	2.55E-09	8.19E-10	1.40E-09	1.03E-10	2.32E-09	4.65E-10	7.70E-10	2.55E-11	1.26E-09
4346	740036.47	4108201.85	5.48E-09	9.98E-09	5.48E-10	1.60E-08	8.50E-10	1.64E-09	8.22E-11	2.57E-09	8.26E-10	1.41E-09	1.04E-10	2.34E-09	4.69E-10	7.77E-10	2.57E-11	1.27E-09
4347	740062.29	4108165.03	5.57E-09	1.02E-08	5.58E-10	1.63E-08	8.64E-10	1.66E-09	8.36E-11	2.61E-09	8.40E-10	1.43E-09	1.06E-10	2.38E-09	4.77E-10	7.90E-10	2.62E-11	1.29E-09
4348	740075.19	4108146.62	5.62E-09	1.02E-08	5.62E-10	1.64E-08	8.71E-10	1.68E-09	8.43E-11	2.63E-09	8.47E-10	1.44E-09	1.07E-10	2.40E-09	4.81E-10	7.96E-10	2.64E-11	1.30E-09
4349	740101.01	4108109.8	5.69E-09	1.04E-08	5.69E-10	1.66E-08	8.82E-10	1.70E-09	8.54E-11	2.67E-09	8.58E-10	1.46E-09	1.08E-10	2.43E-09	4.87E-10	8.07E-10	2.67E-11	1.32E-09
4350	740126.82	4108072.98	5.74E-09	1.05E-08	5.75E-10	1.68E-08	8.91E-10	1.72E-09	8.62E-11	2.69E-09	8.66E-10	1.48E-09	1.09E-10	2.45E-09	4.92E-10	8.14E-10	2.70E-11	1.33E-09
4351	740139.73	4108054.57	5.76E-09	1.05E-08	5.76E-10	1.68E-08	8.93E-10	1.72E-09	8.65E-11	2.70E-09	8.69E-10	1.48E-09	1.10E-10	2.46E-09	4.94E-10	8.17E-10	2.71E-11	1.34E-09
4352	740165.54	4108017.75	5.78E-09	1.05E-08	5.78E-10	1.69E-08	8.96E-10	1.73E-09	8.67E-11	2.71E-09	8.71E-10	1.49E-09	1.10E-10	2.47E-09	4.95E-10	8.19E-10	2.72E-11	1.34E-09
4353	740178.45	4107999.34	5.78E-09	1.05E-08	5.78E-10	1.69E-08	8.96E-10	1.73E-09	8.67E-11	2.71E-09	8.71E-10	1.49E-09	1.10E-10	2.47E-09	4.95E-10	8.19E-10	2.72E-11	1.34E-09
4354	740204.26	4107962.52	5.76E-09	1.05E-08	5.77E-10	1.68E-08	8.94E-10	1.72E-09	8.65E-11	2.70E-09	8.69E-10	1.48E-09	1.10E-10	2.46E-09	4.94E-10	8.17E-10	2.71E-11	1.34E-09
4355	740217.17	4107944.11	5.75E-09	1.05E-08	5.75E-10	1.68E-08	8.91E-10	1.72E-09	8.62E-11	2.69E-09	8.66E-10	1.48E-09	1.09E-10	2.45E-09	4.92E-10	8.15E-10	2.70E-11	1.33E-09
4356	740242.98	4107907.29	5.70E-09	1.04E-08	5.70E-10	1.67E-08	8.84E-10	1.70E-09	8.55E-11	2.67E-09	8.60E-10	1.47E-09	1.09E-10	2.43E-09	4.88E-10	8.08E-10	2.68E-11	1.32E-09
4357	740268.79	4107870.47	5.63E-09	1.03E-08	5.64E-10	1.65E-08	8.74E-10	1.68E-09	8.45E-11	2.64E-09	8.49E-10	1.45E-09	1.07E-10	2.40E-09	4.83E-10	7.99E-10	2.65E-11	1.31E-09

4358	740281.7	4107852.06	5.59E-09	1.02E-08	5.59E-10	1.63E-08	8.67E-10	1.67E-09	8.39E-11	2.62E-09	8.43E-10	1.44E-09	1.07E-10	2.39E-09	4.79E-10	7.93E-10	2.63E-11	1.30E-09
4359	740307.51	4107815.24	5.49E-09	1.00E-08	5.49E-10	1.60E-08	8.51E-10	1.64E-09	8.24E-11	2.57E-09	8.28E-10	1.41E-09	1.05E-10	2.34E-09	4.70E-10	7.78E-10	2.58E-11	1.27E-09
4360	740320.42	4107796.83	5.43E-09	9.89E-09	5.43E-10	1.59E-08	8.42E-10	1.62E-09	8.15E-11	2.55E-09	8.19E-10	1.40E-09	1.03E-10	2.32E-09	4.65E-10	7.70E-10	2.55E-11	1.26E-09
4361	740346.23	4107760.01	5.29E-09	9.64E-09	5.30E-10	1.55E-08	8.21E-10	1.58E-09	7.94E-11	2.48E-09	7.98E-10	1.36E-09	1.01E-10	2.26E-09	4.53E-10	7.50E-10	2.49E-11	1.23E-09
4362	739544.29	4111453.9	1.20E-08	2.19E-08	1.20E-09	3.52E-08	1.87E-09	3.59E-09	1.81E-10	5.64E-09	1.81E-09	3.09E-09	2.29E-10	5.14E-09	1.03E-09	1.71E-09	5.65E-11	2.79E-09
4363	739556.4	4111472.89	1.21E-08	2.20E-08	1.21E-09	3.53E-08	1.87E-09	3.61E-09	1.81E-10	5.66E-09	1.82E-09	3.10E-09	2.30E-10	5.15E-09	1.03E-09	1.71E-09	5.67E-11	2.80E-09
4364	739568.51	4111491.88	1.21E-08	2.21E-08	1.21E-09	3.54E-08	1.88E-09	3.62E-09	1.82E-10	5.68E-09	1.83E-09	3.11E-09	2.31E-10	5.17E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
4365	739592.74	4111529.85	1.22E-08	2.22E-08	1.22E-09	3.56E-08	1.89E-09	3.64E-09	1.83E-10	5.71E-09	1.84E-09	3.13E-09	2.32E-10	5.20E-09	1.04E-09	1.73E-09	5.73E-11	2.83E-09
4366	739604.85	4111548.84	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.90E-09	3.65E-09	1.83E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.74E-11	2.84E-09
4367	739616.97	4111567.83	1.23E-08	2.23E-08	1.23E-09	3.58E-08	1.90E-09	3.66E-09	1.84E-10	5.75E-09	1.85E-09	3.15E-09	2.34E-10	5.23E-09	1.05E-09	1.74E-09	5.76E-11	2.85E-09
4368	739629.08	4111586.81	1.23E-08	2.24E-08	1.23E-09	3.59E-08	1.91E-09	3.67E-09	1.84E-10	5.76E-09	1.85E-09	3.16E-09	2.34E-10	5.25E-09	1.05E-09	1.74E-09	5.77E-11	2.85E-09
4369	739641.19	4111605.8	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.77E-09	1.86E-09	3.16E-09	2.35E-10	5.25E-09	1.05E-09	1.75E-09	5.78E-11	2.86E-09
4370	739653.31	4111624.79	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.78E-09	1.86E-09	3.17E-09	2.35E-10	5.26E-09	1.06E-09	1.75E-09	5.79E-11	2.86E-09
4371	739203.17	4111646.97	9.92E-09	1.81E-08	9.93E-10	2.90E-08	1.54E-09	2.96E-09	1.49E-10	4.65E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.50E-10	1.41E-09	4.66E-11	2.30E-09
4372	739195.38	4111602.84	9.97E-09	1.82E-08	9.97E-10	2.91E-08	1.55E-09	2.98E-09	1.50E-10	4.67E-09	1.50E-09	2.56E-09	1.90E-10	4.25E-09	8.54E-10	1.41E-09	4.68E-11	2.31E-09
4373	739187.59	4111558.71	1.00E-08	1.82E-08	1.00E-09	2.93E-08	1.55E-09	2.99E-09	1.50E-10	4.69E-09	1.51E-09	2.57E-09	1.91E-10	4.27E-09	8.58E-10	1.42E-09	4.70E-11	2.32E-09
4374	739179.79	4111514.59	1.00E-08	1.83E-08	1.00E-09	2.93E-08	1.56E-09	3.00E-09	1.51E-10	4.71E-09	1.51E-09	2.58E-09	1.91E-10	4.29E-09	8.60E-10	1.42E-09	4.72E-11	2.33E-09
4375	739172	4111470.46	1.01E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.00E-09	1.51E-10	4.71E-09	1.52E-09	2.58E-09	1.92E-10	4.29E-09	8.61E-10	1.43E-09	4.72E-11	2.33E-09
4376	739164.21	4111426.33	1.01E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.00E-09	1.51E-10	4.71E-09	1.52E-09	2.58E-09	1.92E-10	4.29E-09	8.61E-10	1.43E-09	4.72E-11	2.33E-09
4377	739156.42	4111382.2	1.00E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.00E-09	1.51E-10	4.71E-09	1.52E-09	2.58E-09	1.91E-10	4.29E-09	8.61E-10	1.42E-09	4.72E-11	2.33E-09
4378	739148.63	4111338.07	1.01E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.00E-09	1.51E-10	4.71E-09	1.52E-09	2.58E-09	1.92E-10	4.29E-09	8.61E-10	1.43E-09	4.72E-11	2.33E-09
4379	739140.84	4111293.95	1.01E-08	1.84E-08	1.01E-09	2.94E-08	1.56E-09	3.01E-09	1.51E-10	4.72E-09	1.52E-09	2.59E-09	1.92E-10	4.30E-09	8.63E-10	1.43E-09	4.73E-11	2.34E-09
4380	739133.05	4111249.82	1.01E-08	1.84E-08	1.01E-09	2.96E-08	1.57E-09	3.02E-09	1.52E-10	4.74E-09	1.53E-09	2.60E-09	1.93E-10	4.32E-09	8.67E-10	1.43E-09	4.76E-11	2.35E-09
4381	739125.26	4111205.69	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.04E-09	1.53E-10	4.78E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.73E-10	1.44E-09	4.79E-11	2.36E-09
4382	739117.46	4111161.56	1.03E-08	1.87E-08	1.03E-09	3.00E-08	1.59E-09	3.07E-09	1.54E-10	4.82E-09	1.55E-09	2.64E-09	1.96E-10	4.39E-09	8.80E-10	1.46E-09	4.83E-11	2.39E-09
4383	739109.67	4111117.44	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.10E-09	1.56E-10	4.86E-09	1.56E-09	2.67E-09	1.98E-10	4.43E-09	8.88E-10	1.47E-09	4.87E-11	2.41E-09
4384	739105.78	4111095.37	1.04E-08	1.90E-08	1.04E-09	3.04E-08	1.61E-09	3.11E-09	1.56E-10	4.88E-09	1.57E-09	2.68E-09	1.98E-10	4.44E-09	8.92E-10	1.48E-09	4.89E-11	2.42E-09
4385	739097.99	4111051.25	1.05E-08	1.91E-08	1.05E-09	3.07E-08	1.63E-09	3.13E-09	1.57E-10	4.92E-09	1.58E-09	2.70E-09	2.00E-10	4.48E-09	8.99E-10	1.49E-09	4.93E-11	2.44E-09
4386	739090.2	4111007.12	1.05E-08	1.92E-08	1.06E-09	3.08E-08	1.64E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.04E-10	1.50E-09	4.96E-11	2.45E-09
4387	739082.4	4110962.99	1.06E-08	1.93E-08	1.06E-09	3.09E-08	1.64E-09	3.16E-09	1.59E-10	4.96E-09	1.60E-09	2.72E-09	2.02E-10	4.52E-09	9.07E-10	1.50E-09	4.97E-11	2.46E-09
4388	739074.61	4110918.86	1.06E-08	1.94E-08	1.06E-09	3.10E-08	1.65E-09	3.17E-09	1.59E-10	4.98E-09	1.60E-09	2.73E-09	2.02E-10	4.53E-09	9.10E-10	1.51E-09	4.99E-11	2.47E-09
4389	739066.82	4110874.73	1.07E-08	1.95E-08	1.07E-09	3.12E-08	1.66E-09	3.19E-09	1.60E-10	5.01E-09	1.61E-09	2.74E-09	2.03E-10	4.56E-09	9.15E-10	1.51E-09	5.02E-11	2.48E-09
4390	739059.03	4110830.61	1.08E-08	1.96E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.06E-09	1.63E-09	2.77E-09	2.05E-10	4.60E-09	9.24E-10	1.53E-09	5.07E-11	2.50E-09
4391	739051.24	4110786.48	1.10E-08	2.00E-08	1.10E-09	3.20E-08	1.70E-09	3.27E-09	1.65E-10	5.14E-09	1.65E-09	2.82E-09	2.09E-10	4.68E-09	9.39E-10	1.55E-09	5.15E-11	2.55E-09
4392	739043.45	4110742.35	1.12E-08	2.05E-08	1.12E-09	3.28E-08	1.74E-09	3.36E-09	1.69E-10	5.27E-09	1.69E-09	2.89E-09	2.14E-10	4.80E-09	9.63E-10	1.59E-09	5.28E-11	2.61E-09
4393	739035.66	4110698.22	1.16E-08	2.11E-08	1.16E-09	3.39E-08	1.80E-09	3.46E-09	1.74E-10	5.44E-09	1.75E-09	2.98E-09	2.21E-10	4.95E-09	9.94E-10	1.64E-09	5.45E-11	2.69E-09
4394	739027.87	4110654.1	1.20E-08	2.19E-08	1.21E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.65E-09	1.82E-09	3.10E-09	2.30E-10	5.14E-09	1.03E-09	1.71E-09	5.66E-11	2.80E-09
4395	739020.07	4110609.97	1.26E-08	2.29E-08	1.26E-09	3.67E-08	1.95E-09	3.75E-09	1.88E-10	5.89E-09	1.89E-09	3.23E-09	2.39E-10	5.36E-09	1.08E-09	1.78E-09	5.90E-11	2.91E-09
4396	739012.28	4110565.84	1.31E-08	2.39E-08	1.31E-09	3.83E-08	2.03E-09	3.91E-09	1.97E-10	6.14E-09	1.98E-09	3.37E-09	2.50E-10	5.59E-09	1.12E-09	1.86E-09	6.16E-11	3.04E-09
4397	739004.49	4110521.71	1.36E-08	2.48E-08	1.36E-09	3.98E-08	2.11E-09	4.07E-09	2.05E-10	6.39E-09	2.06E-09	3.50E-09	2.60E-10	5.82E-09	1.17E-09	1.93E-09	6.41E-11	3.16E-09
4398	738996.7	4110477.59	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.19E-09	4.22E-09	2.12E-10	6.62E-09	2.13E-09	3.63E-09	2.69E-10	6.03E-09	1.21E-09	2.00E-09	6.63E-11	3.28E-09
4399	738988.91	4110433.46	1.45E-08	2.64E-08	1.45E-09	4.24E-08	2.25E-09	4.33E-09	2.18E-10	6.79E-09	2.19E-09	3.73E-09	2.76E-10	6.19E-09	1.24E-09	2.05E-09	6.81E-11	3.36E-09
4400	738981.12	4110389.33	1.47E-08	2.69E-08	1.47E-09	4.31E-08	2.29E-09	4.40E-09	2.21E-10	6.91E-09	2.22E-09	3.79E-09	2.81E-10	6.29E-09	1.26E-09	2.09E-09	6.93E-11	3.42E-09
4401	738973.33	4110345.2	1.48E-08	2.70E-08	1.48E-09	4.33E-08	2.30E-09	4.43E-09	2.22E-10	6.95E-09	2.23E-09	3.81E-09	2.82E-10	6.32E-09	1.27E-09	2.10E-09	6.96E-11	3.44E-09
4402	738965.54	4110301.08	1.48E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.41E-09	2.21E-10	6.92E-09	2.22E-09	3.79E-09	2.81E-10	6.30E-09	1.26E-09	2.09E-09	6.93E-11	3.43E-09
4403	738957.75	4110256.95	1.45E-08	2.65E-08	1.46E-09	4.25E-08	2.26E-09	4.35E-09	2.18E-10	6.82E-09	2.19E-09	3.74E-09	2.77E-10	6.21E-09	1.25E-09	2.06E-09	6.84E-11	3.38E-09
4404	738949.95	4110212.82	1.42E-08	2.60E-08	1.43E-09	4.16E-08	2.21E-09	4.26E-09	2.14E-10	6.68E-09	2.15E-09	3.66E-09	2.71E-10	6.08E-09	1.22E-09	2.02E-09	6.69E-11	3.31E-09
4405	738942.16	4110168.69	1.39E-08	2.53E-08	1.39E-09	4.06E-08	2.15E-09	4.15E-09	2.08E-10	6.51E-09	2.09E-09	3.57E-09	2.64E-10	5.93E-09	1.19E-09	1.97E-09	6.52E-11	3.22E-09
4406	738934.37	4110124.57	1.35E-08	2.46E-08	1.35E-09	3.94E-08	2.09E-09	4.03E-09	2.02E-10	6.32E-09	2.03E-09	3.46E-09	2.57E-10	5.75E-09	1.15E-09	1.91E-09	6.33E-11	3.13E-09
4407	738926.58	4110080.44	1.31E-08	2.38E-08	1.31E-09	3.82E-08	2.03E-09	3.90E-09	1.96E-10	6.12E-09	1.97E-09	3.36E-09	2.49E-10	5.57E-09	1.12E-09	1.85E-09	6.14E-11	3.03E-09
4408	738922.68	4110058.37	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.84E-09	1.93E-10	6.02E-09	1.94E-09	3.30E-09	2.45E-10	5.48E-09	1.10E-09	1.82E-09	6.03E-11	2.98E-09
4409	738914.89	4110014.25	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.86E-10	5.82E-09	1.87E-09	3.19E-09	2.37E-10	5.30E-09	1.06E-09	1.76E-09	5.84E-11	2.88E-09
4410	738907.1	4109970.12	1.20E-08	2.19E-08	1.20E-09	3.51E-08	1.86E-09	3.59E-09	1.80E-10	5.63E-09	1.81E-09	3.09E-09	2.29E-10	5.13E-09	1.03E-09	1.70E-09	5.65E-11	2.79E-09
4411	738899.31	4109925.99	1.16E-08	2.12E-08	1.16E-09	3.39E-08	1.80E-09	3.47E-09	1.74E-10	5.45E-09	1.75E-09	2.99E-09	2.21E-10	4.96E-09	9.95E-10	1.65E-09	5.46E-11	2.70E-09
4412	738891.52	4109881.86	1.12E-08	2.05E-08	1.12E-09	3.28E-08	1.74E-09	3.36E-09	1.69E-10	5.27E-09	1.69E-09	2.89E-09	2.14E-10	4.80E-09	9.63E-10	1.59E-09	5.28E-11	2.61E-09
4413	738883.73	4109837.74	1.09E-08	1.98E-08	1.09E-09	3.18E-08	1.69E-09	3.25E-09	1.63E-10	5.10E-09	1.64E-09	2.80E-09	2.07E-10	4.64E-09	9.32E-10	1.54E-09	5.11E-11	2.52E-09
4414	738875.94	4109793.61	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.03E-10	1.49E-09	4.95E-11	2.45E-09
4415	738868.15	4109749.48	1.02E-08	1.87E-08	1.03E-09	2.99E-08	1.59E-09	3.06E-09	1.54E-10	4.80E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.78E-10	1.45E-09	4.81E-11	2.38E-09
4416	738860.35	4109705.35	1.00E-08	1.82E-08	1.00E-09	2.92E-08	1.55E-09	2.99E-09	1.50E-10	4.69E-09	1.51E-09	2.57E-09	1.90E-10	4.27E-09	8.56E-10	1.42E-09	4.70E-11	2.32E-09
4417	738852.56	4109661.23	9.80E-09	1.79E-08	9.81E-10	2.86E-08	1.52E-09	2.93E-09	1.47E-10	4.60E-09	1.48E-09	2.52E-09	1.87E-10	4.18E-09	8.40E-10	1.39E-09	4.61E-11	2.28E-09
4418	738844.77	4109617.1	9.66E-09	1.76E-08	9.67E-10	2.82E-08	1.50E-09	2.89E-09	1.45E-10	4.53E-09	1.46E-09	2.48E-09	1.84E-10	4.13E-09	8.28E-10	1.37E-09	4.54E-11	2.24E-09
4419	738836.98	4109572.97	9.58E-09	1.75E-08	9.59E-10	2.80E-08	1.49E-09	2.86E-09	1.44E-10	4.49E-09	1.44E-09	2.46E-09	1.83E-10	4.09E-09	8.21E-10	1.36E-09	4.50E-11	2.22E-09
4420	738829.19	4109528.84	9.55E-09	1.74E-08	9.55E-10	2.79E-08	1.48E-09	2.85E-09	1.43E-10	4.48E-09	1.44E-09	2.45E-09	1.82E-10	4.08E-09	8.18E-10	1.35E-09	4.49E-11	2.22E-09
4421	738821.4	4109484.72	9.56E-09	1.74E-08	9.57E-10	2.79E-08	1.48E-09	2.86E-09	1.43E-10	4.48E-09	1.44E-09	2.46E-09	1.82E-10	4.08E-09	8.19E-10	1.36E-09	4.49E-11	2.22E-09
4422	738813.61	4109440.59	9.60E-09	1.75E-08	9.61E-10	2.81E-08	1.49E-09	2.87E-09	1.44E-10	4.50E-09	1.45E-09	2.47E-09	1.83E-10	4.10E-09	8.23E-10	1.36E-09	4.51E-11	2.23E-09
4423	738805.82	4109396.46	9.66E-09	1.76E-08	9.67E-10	2.82E-08	1.50E-09	2.89E-09	1.45E-10	4.53E-09	1.46E-09	2.48E-09	1.84E-10	4.12E-09	8.28E-10	1.37E-09	4.54E-11	2.24E-09
4424	738798.03	4109352.33	9.72E-09	1.77E-08	9.73E-10	2.84E-08	1.51E-09	2.90E-09	1.46E-10	4.56E-09	1.47E-09	2.50E-09	1.85E-10	4.15E-09	8.33E-10	1.38E-09	4.57E-11	2.26E-09
4425	738806.99	4109311.92	9.85E-09	1.79E-08	9.85E-10	2.88E-08	1.53E-09	2.94E-09	1.48E-10	4.62E-09	1.48E-09	2.53E-09	1.88E-10	4.20E-09	8.44E-10	1.40E-09	4.63E-11	2.29E-09
4426	738819.85	4109293.58	9.94E-09	1.81E-08	9.94E-10	2.90E-08	1.54E-09	2.97E-09	1.49E-10	4.66E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.51E-10	1.41E-09	4.67E-11	2.31E-09
4427	738845.58	4109256.89	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.56E-09	3.01E-09	1.51E-10	4.73E-09	1.52E-09	2.59E-09	1.92E-10	4.31E-09	8.64E-10	1.43E-09	4.74E-11	2.34E-09
4428	738858.44	4109238.54	1.01E-08	1.85E-08	1.02E-09	2.96E-08	1.57E-09	3.03E-09	1.52E-10	4.76E-09	1.53E-09	2.61E-09	1.93E-10	4.33E-09	8.69E-10	1.44E-09	4.77E-11	2.36E-09
4429	738884.16	4109201.85	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.58E-09	3.05E-09	1.53E-10	4.79E-09	1.54E-09	2.63E-09	1.95E-10	4.36E-09	8.76E-10	1.45E-09	4.80E-11	2.37E-09
4430	738909.88	4109165.16	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.59E-09	3.06E-09	1.54E-10	4.80E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.77E-10	1.45E-09	4.81E-11	2.37E-09
4431	738922.75	4109146.81	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.79E-09	1.54E-09	2.62E-09	1.95E-10	4.36E-09	8.75E-10	1.45E-09	4.80E-11	2.37E-09
4432	738948.47	4109110.12	1.01E-08	1.85E-08	1.01E-09	2.96E-08	1.57E-09	3.02E-09	1.52E-10	4.75E-09	1.53E-09	2.60E-09	1.93E-10	4.32E-09	8.68E-10	1.44E-09	4.76E-11	2.35E-09
4433	738974.19	4109073.43	9.98E-09	1.82E-08	9.99E-10	2.92E-08	1.55E-09	2.98E-09	1.50E-10	4.68E-09	1.50E-09	2.57E-09	1.90E-10	4.26E-09	8.55E-10	1.42E-09	4.69E-11	2.32E-09
4434	738987.05	4109055.08	9.89E-09	1.80E-08	9.89E-10	2.89E-08	1.53E-09	2.95E-09	1.48E-10	4.64E-09	1.49E-09	2.54E-09	1.88E-10	4.22E-09	8.47E-10	1.40E-09	4.65E-11	2.30E-09
4435	739012.78	4109018.39	9.66E-09	1.76E-08	9.67E-10	2.82E-08	1.50E-09	2.89E-09	1.45E-10	4.53E-09	1.46E-09	2.48E-09	1.84E-10	4.13E-09	8.28E-10	1.37E-09	4.54E-11	2.24E-09
4436	739025.64	4109000.05	9.53E-09	1.74E-08	9.54E-10	2.79E-08	1.48E-09	2.85E-09	1.43E-10	4.47E-09	1.44E-09	2.45E-09	1.82E-10	4.07E-09	8.17E-10	1.35E-09	4.48E-11	2.21E-09
4437	739051.36	4108963.35	9.24E-09	1.68E-08	9.25E-10	2.70E-08	1.43E-09	2.76E-09	1.39E-10	4.33E-09	1.39E-09	2.38E-09	1.76E-10	3.95E-09	7.92E-10	1.31E-09	4.34E-11	2.15E-09
4438	739077.08	4108926.66	8.91E-09	1.62E-08	8.92E-10	2.60E-08	1.38E-09	2.66E-09	1.34E-10	4.18E-09	1.34E-09	2.29E-09	1.70E-10	3.81E-09	7.64E-10	1.26E-09	4.19E-11	2.07E-09
4439	739089.95	4108908.32	8.74E-09	1.59E-08	8.75E-10	2.55E-08	1.36E-09	2.61E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.73E-09	7.49E-10	1.24E-09	4.11E-11	2.03E-09
4440	739115.67	4108871.63	8.39E-09	1.53E-08	8.40E-10	2.45E-08	1.30E-09	2.51E-09	1.26E-10	3.93E-09	1.27E-09	2.16E-09	1.60E-10	3.58E-09	7.19E-10	1.19E-09	3.94E-11	1.95E-09
4441	739128.53	4108853.28	8.21E-09	1.50E-08	8.22E-10	2.40E-08	1.27E-09	2.45E-09	1.23E-10	3.85E-09	1.24E-09	2.11E-09	1.56E-10	3.51E-09	7.04E-10	1.16E-09	3.86E-11	1.91E-09
4442	739154.25	4108816.59	7.86E-09	1.43E-08	7.87E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.69E-09	1.19E-09	2.02E-09	1.50E-10	3.36E-09	6.74E-10	1.11E-09	3.70E-11	1.83E-09
4443	739179.98	4108779.9	7.53E-09	1.37E-08	7.54E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.14E-09	1.94E-09	1.44E-10	3.22E-09	6.46E-10	1.07E-09	3.54E-11	1.75E-09
4444	739192.84	4108761.55	7.38E-09	1.34E-08	7.38E-10	2.16E-08	1.14E-09	2.20E-09	1.11E-10	3.46E-09	1.11E-09	1.90E-09	1.41E-10	3.15E-09	6.32E-10	1.05E-09	3.47E-11	1.71E-09
4445	739218.56	4108724.86	7.10E-09	1.29E-08	7.10E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.33E-09	1.07E-09	1.82E-09	1.35E-10	3.03E-09	6.08E-10	1.01E-09	3.33E-11	1.65E-09
4446	739244.29	4108688.17	6.85E-09	1.25E-08	6.85E-10	2.00E-08	1.06E-09	2.05E-09	1.03E-10	3.21E-09	1.03E-09	1.76E-09	1.30E-10	2.92E-09	5.87E-10	9.71E-10	3.22E-11	1.59E-09

4447	739257.15	4108669.82	6.74E-09	1.23E-08	6.74E-10	1.97E-08	1.04E-09	2.01E-09	1.01E-10	3.16E-09	1.02E-09	1.73E-09	1.28E-10	2.88E-09	5.77E-10	9.55E-10	3.17E-11	1.56E-09
4448	739282.87	4108633.13	6.53E-09	1.19E-08	6.54E-10	1.91E-08	1.01E-09	1.95E-09	9.81E-11	3.06E-09	9.85E-10	1.68E-09	1.25E-10	2.79E-09	5.60E-10	9.27E-10	3.07E-11	1.52E-09
4449	739295.73	4108614.78	6.44E-09	1.17E-08	6.44E-10	1.88E-08	9.99E-10	1.92E-09	9.67E-11	3.02E-09	9.71E-10	1.66E-09	1.23E-10	2.75E-09	5.52E-10	9.13E-10	3.03E-11	1.50E-09
4450	739321.45	4108578.09	6.27E-09	1.14E-08	6.27E-10	1.83E-08	9.72E-10	1.87E-09	9.41E-11	2.94E-09	9.45E-10	1.61E-09	1.19E-10	2.68E-09	5.37E-10	8.89E-10	2.95E-11	1.46E-09
4451	739347.18	4108541.4	6.10E-09	1.11E-08	6.10E-10	1.78E-08	9.46E-10	1.82E-09	9.15E-11	2.86E-09	9.20E-10	1.57E-09	1.16E-10	2.60E-09	5.23E-10	8.65E-10	2.87E-11	1.42E-09
4452	739360.04	4108523.06	6.01E-09	1.10E-08	6.01E-10	1.76E-08	9.32E-10	1.80E-09	9.02E-11	2.82E-09	9.06E-10	1.54E-09	1.15E-10	2.57E-09	5.15E-10	8.52E-10	2.82E-11	1.40E-09
4453	739385.76	4108486.36	5.83E-09	1.06E-08	5.83E-10	1.70E-08	9.03E-10	1.74E-09	8.74E-11	2.73E-09	8.78E-10	1.50E-09	1.11E-10	2.49E-09	4.99E-10	8.26E-10	2.74E-11	1.35E-09
4454	739411.49	4108449.67	5.62E-09	1.02E-08	5.63E-10	1.64E-08	8.72E-10	1.68E-09	8.44E-11	2.64E-09	8.48E-10	1.45E-09	1.07E-10	2.40E-09	4.82E-10	7.97E-10	2.64E-11	1.31E-09
4455	739424.35	4108431.33	5.52E-09	1.01E-08	5.52E-10	1.61E-08	8.56E-10	1.65E-09	8.28E-11	2.59E-09	8.32E-10	1.42E-09	1.05E-10	2.36E-09	4.73E-10	7.82E-10	2.59E-11	1.28E-09
4456	739450.07	4108394.64	5.30E-09	9.66E-09	5.30E-10	1.55E-08	8.22E-10	1.58E-09	7.95E-11	2.48E-09	7.99E-10	1.36E-09	1.01E-10	2.26E-09	4.54E-10	7.51E-10	2.49E-11	1.23E-09
4457	739462.93	4108376.29	5.19E-09	9.45E-09	5.19E-10	1.52E-08	8.04E-10	1.55E-09	7.78E-11	2.43E-09	7.82E-10	1.33E-09	9.88E-11	2.21E-09	4.44E-10	7.35E-10	2.44E-11	1.20E-09
4458	739488.66	4108339.6	4.96E-09	9.04E-09	4.97E-10	1.45E-08	7.70E-10	1.48E-09	7.45E-11	2.33E-09	7.48E-10	1.28E-09	9.46E-11	2.12E-09	4.25E-10	7.04E-10	2.33E-11	1.15E-09
4459	739514.38	4108302.91	4.75E-09	8.66E-09	4.75E-10	1.39E-08	7.37E-10	1.42E-09	7.13E-11	2.23E-09	7.16E-10	1.22E-09	9.05E-11	2.03E-09	4.07E-10	6.74E-10	2.23E-11	1.10E-09
4460	739527.24	4108284.56	4.65E-09	8.48E-09	4.66E-10	1.36E-08	7.22E-10	1.39E-09	6.98E-11	2.18E-09	7.02E-10	1.20E-09	8.87E-11	1.99E-09	3.99E-10	6.60E-10	2.19E-11	1.08E-09
4461	739552.96	4108247.87	4.48E-09	8.17E-09	4.48E-10	1.31E-08	6.95E-10	1.34E-09	6.73E-11	2.10E-09	6.76E-10	1.15E-09	8.54E-11	1.91E-09	3.84E-10	6.35E-10	2.11E-11	1.04E-09
4462	739578.69	4108211.18	4.35E-09	7.93E-09	4.35E-10	1.27E-08	6.75E-10	1.30E-09	6.53E-11	2.04E-09	6.56E-10	1.12E-09	8.29E-11	1.86E-09	3.73E-10	6.17E-10	2.04E-11	1.01E-09
4463	739591.55	4108192.83	4.30E-09	7.84E-09	4.30E-10	1.26E-08	6.67E-10	1.28E-09	6.45E-11	2.02E-09	6.48E-10	1.11E-09	8.19E-11	1.84E-09	3.68E-10	6.10E-10	2.02E-11	9.98E-10
4464	739617.27	4108156.14	4.23E-09	7.72E-09	4.24E-10	1.24E-08	6.57E-10	1.27E-09	6.36E-11	1.99E-09	6.39E-10	1.09E-09	8.07E-11	1.81E-09	3.63E-10	6.00E-10	1.99E-11	9.83E-10
4465	739630.13	4108137.8	4.22E-09	7.69E-09	4.22E-10	1.23E-08	6.54E-10	1.26E-09	6.33E-11	1.98E-09	6.36E-10	1.08E-09	8.04E-11	1.80E-09	3.62E-10	5.98E-10	1.98E-11	9.80E-10
4466	739655.86	4108101.1	4.22E-09	7.69E-09	4.22E-10	1.23E-08	6.54E-10	1.26E-09	6.33E-11	1.98E-09	6.36E-10	1.08E-09	8.04E-11	1.80E-09	3.62E-10	5.98E-10	1.98E-11	9.80E-10
4467	739681.58	4108064.41	4.25E-09	7.75E-09	4.26E-10	1.24E-08	6.60E-10	1.27E-09	6.39E-11	1.99E-09	6.42E-10	1.09E-09	8.11E-11	1.82E-09	3.65E-10	6.03E-10	2.00E-11	9.88E-10
4468	739694.44	4108046.07	4.28E-09	7.80E-09	4.28E-10	1.25E-08	6.64E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.16E-11	1.83E-09	3.67E-10	6.07E-10	2.01E-11	9.94E-10
4469	739720.16	4108009.38	4.35E-09	7.93E-09	4.35E-10	1.27E-08	6.75E-10	1.30E-09	6.53E-11	2.04E-09	6.56E-10	1.12E-09	8.29E-11	1.86E-09	3.73E-10	6.17E-10	2.04E-11	1.01E-09
4470	739733.03	4107991.03	4.39E-09	8.00E-09	4.39E-10	1.28E-08	6.81E-10	1.31E-09	6.59E-11	2.06E-09	6.62E-10	1.13E-09	8.36E-11	1.87E-09	3.76E-10	6.22E-10	2.06E-11	1.02E-09
4471	739758.75	4107954.34	4.47E-09	8.15E-09	4.47E-10	1.31E-08	6.93E-10	1.34E-09	6.71E-11	2.10E-09	6.74E-10	1.15E-09	8.52E-11	1.91E-09	3.83E-10	6.34E-10	2.10E-11	1.04E-09
4472	739784.47	4107917.65	4.55E-09	8.29E-09	4.55E-10	1.33E-08	7.05E-10	1.36E-09	6.82E-11	2.13E-09	6.86E-10	1.17E-09	8.66E-11	1.94E-09	3.90E-10	6.45E-10	2.14E-11	1.06E-09
4473	739797.33	4107899.3	4.58E-09	8.35E-09	4.58E-10	1.34E-08	7.11E-10	1.37E-09	6.88E-11	2.15E-09	6.91E-10	1.18E-09	8.73E-11	1.96E-09	3.93E-10	6.50E-10	2.15E-11	1.06E-09
4474	739823.06	4107862.61	4.64E-09	8.46E-09	4.64E-10	1.36E-08	7.20E-10	1.39E-09	6.96E-11	2.18E-09	7.00E-10	1.19E-09	8.84E-11	1.98E-09	3.98E-10	6.58E-10	2.18E-11	1.08E-09
4475	739848.78	4107825.92	4.68E-09	8.53E-09	4.69E-10	1.37E-08	7.26E-10	1.40E-09	7.03E-11	2.20E-09	7.06E-10	1.20E-09	8.92E-11	2.00E-09	4.01E-10	6.64E-10	2.20E-11	1.09E-09
4476	739861.64	4107807.57	4.70E-09	8.56E-09	4.70E-10	1.37E-08	7.29E-10	1.40E-09	7.05E-11	2.20E-09	7.09E-10	1.21E-09	8.95E-11	2.01E-09	4.03E-10	6.66E-10	2.21E-11	1.09E-09
4477	739887.36	4107770.88	4.72E-09	8.59E-09	4.72E-10	1.38E-08	7.31E-10	1.41E-09	7.08E-11	2.21E-09	7.11E-10	1.21E-09	8.99E-11	2.01E-09	4.04E-10	6.69E-10	2.22E-11	1.09E-09
4478	739900.23	4107752.53	4.72E-09	8.60E-09	4.72E-10	1.38E-08	7.32E-10	1.41E-09	7.08E-11	2.21E-09	7.12E-10	1.21E-09	8.99E-11	2.02E-09	4.04E-10	6.69E-10	2.22E-11	1.10E-09
4479	739925.95	4107715.84	4.72E-09	8.60E-09	4.72E-10	1.38E-08	7.32E-10	1.41E-09	7.08E-11	2.21E-09	7.11E-10	1.21E-09	8.99E-11	2.01E-09	4.04E-10	6.69E-10	2.22E-11	1.10E-09
4480	739951.67	4107679.15	4.70E-09	8.57E-09	4.71E-10	1.37E-08	7.29E-10	1.40E-09	7.06E-11	2.20E-09	7.09E-10	1.21E-09	8.96E-11	2.01E-09	4.03E-10	6.67E-10	2.21E-11	1.09E-09
4481	739964.53	4107660.81	4.69E-09	8.55E-09	4.69E-10	1.37E-08	7.27E-10	1.40E-09	7.04E-11	2.20E-09	7.07E-10	1.21E-09	8.94E-11	2.00E-09	4.02E-10	6.65E-10	2.20E-11	1.09E-09
4482	739990.26	4107624.11	4.66E-09	8.49E-09	4.66E-10	1.36E-08	7.23E-10	1.39E-09	6.99E-11	2.18E-09	7.03E-10	1.20E-09	8.88E-11	1.99E-09	3.99E-10	6.61E-10	2.19E-11	1.08E-09
4483	740015.98	4107587.42	4.62E-09	8.41E-09	4.62E-10	1.35E-08	7.16E-10	1.38E-09	6.93E-11	2.16E-09	6.96E-10	1.19E-09	8.80E-11	1.97E-09	3.96E-10	6.55E-10	2.17E-11	1.07E-09
4484	740028.84	4107569.08	4.59E-09	8.37E-09	4.60E-10	1.34E-08	7.12E-10	1.37E-09	6.89E-11	2.15E-09	6.93E-10	1.18E-09	8.75E-11	1.96E-09	3.94E-10	6.51E-10	2.16E-11	1.07E-09
4485	740054.57	4107532.39	4.53E-09	8.26E-09	4.54E-10	1.32E-08	7.03E-10	1.35E-09	6.80E-11	2.13E-09	6.84E-10	1.17E-09	8.64E-11	1.94E-09	3.89E-10	6.43E-10	2.13E-11	1.05E-09
4486	740067.43	4107514.04	4.50E-09	8.20E-09	4.50E-10	1.31E-08	6.98E-10	1.34E-09	6.75E-11	2.11E-09	6.78E-10	1.16E-09	8.57E-11	1.92E-09	3.86E-10	6.38E-10	2.11E-11	1.04E-09
4487	740093.15	4107477.35	4.42E-09	8.05E-09	4.42E-10	1.29E-08	6.85E-10	1.32E-09	6.63E-11	2.07E-09	6.66E-10	1.14E-09	8.42E-11	1.89E-09	3.79E-10	6.27E-10	2.08E-11	1.03E-09
4488	740118.87	4107440.66	4.32E-09	7.87E-09	4.32E-10	1.26E-08	6.70E-10	1.29E-09	6.49E-11	2.03E-09	6.52E-10	1.11E-09	8.23E-11	1.84E-09	3.70E-10	6.13E-10	2.03E-11	1.00E-09
4489	740131.73	4107422.31	4.27E-09	7.78E-09	4.27E-10	1.25E-08	6.62E-10	1.27E-09	6.40E-11	2.00E-09	6.43E-10	1.10E-09	8.13E-11	1.82E-09	3.66E-10	6.05E-10	2.01E-11	9.91E-10
4490	739219.18	4111688.02	9.93E-09	1.81E-08	9.93E-10	2.90E-08	1.54E-09	2.97E-09	1.49E-10	4.65E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.51E-10	1.41E-09	4.67E-11	2.31E-09
4491	739231.29	4111707.01	9.96E-09	1.81E-08	9.96E-10	2.91E-08	1.54E-09	2.97E-09	1.49E-10	4.67E-09	1.50E-09	2.56E-09	1.90E-10	4.25E-09	8.53E-10	1.41E-09	4.68E-11	2.31E-09
4492	739243.4	4111726	9.98E-09	1.82E-08	9.99E-10	2.92E-08	1.55E-09	2.98E-09	1.50E-10	4.68E-09	1.51E-09	2.57E-09	1.90E-10	4.26E-09	8.56E-10	1.42E-09	4.69E-11	2.32E-09
4493	739255.52	4111744.98	1.00E-08	1.82E-08	1.00E-09	2.93E-08	1.55E-09	2.99E-09	1.50E-10	4.69E-09	1.51E-09	2.57E-09	1.91E-10	4.27E-09	8.58E-10	1.42E-09	4.71E-11	2.32E-09
4494	739267.63	4111763.97	1.00E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.00E-09	1.51E-10	4.71E-09	1.51E-09	2.58E-09	1.91E-10	4.29E-09	8.61E-10	1.42E-09	4.72E-11	2.33E-09
4495	739279.74	4111782.96	1.01E-08	1.84E-08	1.01E-09	2.94E-08	1.56E-09	3.01E-09	1.51E-10	4.72E-09	1.52E-09	2.59E-09	1.92E-10	4.30E-09	8.64E-10	1.43E-09	4.74E-11	2.34E-09
4496	739291.86	4111801.95	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.57E-09	3.02E-09	1.52E-10	4.74E-09	1.52E-09	2.60E-09	1.93E-10	4.31E-09	8.66E-10	1.43E-09	4.75E-11	2.35E-09
4497	739303.97	4111820.93	1.01E-08	1.85E-08	1.01E-09	2.96E-08	1.57E-09	3.03E-09	1.52E-10	4.75E-09	1.53E-09	2.60E-09	1.93E-10	4.32E-09	8.68E-10	1.44E-09	4.76E-11	2.35E-09
4498	739316.08	4111839.92	1.01E-08	1.85E-08	1.01E-09	2.96E-08	1.57E-09	3.03E-09	1.52E-10	4.76E-09	1.53E-09	2.61E-09	1.93E-10	4.33E-09	8.69E-10	1.44E-09	4.77E-11	2.35E-09
4499	741943.48	4110193.41	7.29E-07	1.33E-06	7.30E-08	2.13E-06	1.13E-07	2.18E-07	1.09E-08	3.42E-07	1.10E-07	1.88E-07	1.39E-08	3.11E-07	6.25E-08	1.03E-07	3.43E-09	1.69E-07
4500	741963.59	4110179.92	8.23E-07	1.50E-06	8.24E-08	2.41E-06	1.28E-07	2.46E-07	1.24E-08	3.86E-07	1.24E-07	2.12E-07	1.57E-08	3.52E-07	7.06E-08	1.17E-07	3.87E-09	1.91E-07
4501	741983.7	4110166.43	9.29E-07	1.69E-06	9.29E-08	2.71E-06	1.44E-07	2.77E-07	1.39E-08	4.35E-07	1.40E-07	2.39E-07	1.77E-08	3.96E-07	7.96E-08	1.32E-07	4.36E-09	2.16E-07
4502	742003.81	4110152.93	1.03E-06	1.89E-06	1.04E-07	3.02E-06	1.60E-07	3.09E-07	1.55E-08	4.85E-07	1.56E-07	2.66E-07	1.97E-08	4.42E-07	8.87E-08	1.47E-07	4.86E-09	2.40E-07
4503	742023.92	4110139.44	1.13E-06	2.06E-06	1.13E-07	3.31E-06	1.76E-07	3.38E-07	1.70E-08	5.31E-07	1.71E-07	2.91E-07	2.16E-08	4.84E-07	9.71E-08	1.61E-07	5.32E-09	2.63E-07
4504	742044.03	4110125.95	1.22E-06	2.22E-06	1.22E-07	3.56E-06	1.89E-07	3.64E-07	1.83E-08	5.71E-07	1.84E-07	3.13E-07	2.32E-08	5.20E-07	1.04E-07	1.73E-07	5.72E-09	2.83E-07
4505	742064.14	4110112.46	1.29E-06	2.34E-06	1.29E-07	3.76E-06	2.00E-07	3.84E-07	1.93E-08	6.03E-07	1.94E-07	3.31E-07	2.45E-08	5.49E-07	1.10E-07	1.82E-07	6.05E-09	2.99E-07
4506	742084.25	4110098.96	1.34E-06	2.45E-06	1.34E-07	3.93E-06	2.08E-07	4.01E-07	2.02E-08	6.30E-07	2.03E-07	3.45E-07	2.56E-08	5.73E-07	1.15E-07	1.90E-07	6.31E-09	3.12E-07
4507	742104.36	4110085.47	1.39E-06	2.53E-06	1.39E-07	4.06E-06	2.15E-07	4.15E-07	2.09E-08	6.51E-07	2.09E-07	3.57E-07	2.65E-08	5.93E-07	1.19E-07	1.97E-07	6.53E-09	3.23E-07
4508	742124.47	4110071.98	1.43E-06	2.60E-06	1.43E-07	4.17E-06	2.21E-07	4.26E-07	2.14E-08	6.69E-07	2.15E-07	3.67E-07	2.72E-08	6.09E-07	1.22E-07	2.02E-07	6.71E-09	3.31E-07
4509	742144.58	4110058.49	1.46E-06	2.66E-06	1.46E-07	4.26E-06	2.26E-07	4.36E-07	2.19E-08	6.84E-07	2.20E-07	3.75E-07	2.78E-08	6.23E-07	1.25E-07	2.07E-07	6.86E-09	3.39E-07
4510	742164.69	4110044.99	1.48E-06	2.70E-06	1.48E-07	4.34E-06	2.30E-07	4.43E-07	2.23E-08	6.96E-07	2.24E-07	3.81E-07	2.83E-08	6.34E-07	1.27E-07	2.10E-07	6.97E-09	3.45E-07
4511	742184.8	4110031.5	1.50E-06	2.73E-06	1.50E-07	4.39E-06	2.33E-07	4.48E-07	2.25E-08	7.04E-07	2.26E-07	3.86E-07	2.86E-08	6.41E-07	1.29E-07	2.13E-07	7.05E-09	3.48E-07
4512	742204.91	4110018.01	1.50E-06	2.74E-06	1.51E-07	4.40E-06	2.33E-07	4.49E-07	2.26E-08	7.05E-07	2.27E-07	3.87E-07	2.87E-08	6.42E-07	1.29E-07	2.13E-07	7.07E-09	3.49E-07
4513	741977.52	4110200.68	5.84E-07	1.06E-06	5.84E-08	1.71E-06	9.05E-08	1.74E-07	8.76E-09	2.74E-07	8.80E-08	1.50E-07	1.11E-08	2.49E-07	5.00E-08	8.28E-08	2.74E-09	1.36E-07
4514	741997.63	4110187.19	6.38E-07	1.16E-06	6.38E-08	1.86E-06	9.89E-08	1.90E-07	9.57E-09	2.99E-07	9.62E-08	1.64E-07	1.22E-08	2.72E-07	5.46E-08	9.04E-08	3.00E-09	1.48E-07
4515	742017.74	4110173.69	6.93E-07	1.26E-06	6.93E-08	2.03E-06	1.07E-07	2.07E-07	1.04E-08	3.25E-07	1.05E-07	1.78E-07	1.32E-08	2.96E-07	5.94E-08	9.83E-08	3.26E-09	1.61E-07
4516	742037.85	4110160.2	7.45E-07	1.36E-06	7.46E-08	2.18E-06	1.16E-07	2.23E-07	1.12E-08	3.50E-07	1.12E-07	1.92E-07	1.42E-08	3.18E-07	6.39E-08	1.06E-07	3.50E-09	1.73E-07
4517	742057.96	4110146.71	7.92E-07	1.44E-06	7.93E-08	2.31E-06	1.23E-07	2.37E-07	1.19E-08	3.71E-07	1.19E-07	2.04E-07	1.51E-08	3.38E-07	6.79E-08	1.12E-07	3.72E-09	1.84E-07
4518	742078.07	4110133.22	8.32E-07	1.52E-06	8.32E-08	2.43E-06	1.29E-07	2.48E-07	1.25E-08	3.90E-07	1.25E-07	2.14E-07	1.58E-08	3.55E-07	7.13E-08	1.18E-07	3.91E-09	1.93E-07
4519	742098.18	4110119.72	8.64E-07	1.57E-06	8.65E-08	2.53E-06	1.34E-07	2.58E-07	1.30E-08	4.05E-07	1.30E-07	2.22E-07	1.65E-08	3.69E-07	7.41E-08	1.23E-07	4.06E-09	2.01E-07
4520	742118.29	4110106.23	8.92E-07	1.62E-06	8.92E-08	2.61E-06	1.38E-07	2.66E-07	1.34E-08	4.18E-07	1.34E-07	2.29E-07	1.70E-08	3.81E-07	7.64E-08	1.26E-07	4.19E-09	2.07E-07
4521	742138.4	4110092.74	9.14E-07	1.67E-06	9.15E-08	2.67E-06	1.42E-07	2.73E-07	1.37E-08	4.29E-07	1.38E-07	2.35E-07	1.74E-08	3.90E-07	7.84E-08	1.30E-07	4.30E-09	2.12E-07
4522	742158.51	4110079.25	9.32E-07	1.70E-06	9.33E-08	2.72E-06	1.45E-07	2.79E-07	1.40E-08	4.37E-07	1.41E-07	2.40E-07	1.78E-08	3.98E-07	7.99E-08	1.32E-07	4.38E-09	2.16E-07
4523	742178.62	4110065.76	9.45E-07	1.72E-06	9.46E-08	2.76E-06	1.47E-07	2.82E-07	1.42E-08	4.43E-07	1.43E-07	2.43E-07	1.80E-08	4.04E-07	8.10E-08	1.34E-07	4.44E-09	2.19E-07
4524	742198.73	4110052.26	9.52E-07	1.73E-06	9.52E-08	2.78E-06	1.48E-07	2.84E-07	1.43E-08	4.46E-07	1.44E-07	2.45E-07	1.81E-08	4.06E-07	8.16E-08	1.35E-07	4.47E-09	2.21E-07
4525	741898.25	4110235.04	4.83E-07	8.80E-07	4.83E-08	1.41E-06	7.49E-08	1.44E-07	7.24E-09	2.26E-07	7.28E-08	1.24E-07	9.20E-09	2.06E-07	4.14E-08	6.84E-08	2.27E-09	1.12E-07
4526	741991.45	4110221.44	4.43E-07	8.07E-07	4.43E-08	1.29E-06	6.86E-08	1.32E-07	6.64E-09	2.08E-07	6.67E-08	1.14E-07	8.43E-09	1.89E-07	3.79E-08	6.28E-08	2.08E-09	1.03E-07
4527	742011.56	4110207.95	4.74E-07	8.64E-07	4.74E-08	1.39E-06	7.35E-08	1.42E-07	7.12E-09	2.22E-07	7.15E-08	1.22E-07	9.03E-09	2.02E-07	4.06E-08	6.72E-08	2.23E-09	1.10E-07
4528	742031.67	4110194.45	5.07E-07	9.23E-07	5.07E-08	1.48E-06	7.85E-08	1.51E-07	7.60E-09	2.37E-07	7.64E-08	1.30E-07	9.65E-09	2.16E-07	4.34E-08	7.18E-08	2.38E-09	1.18E-07
4529	742051.78	4110180.96	5.38E-07	9.80E-07	5.38E-08	1.57E-06	8.34E-08	1.61E-07	8.07E-09	2.52E-07	8.11E-08	1.38E-07	1.02E-08	2.30E-07	4.61E-08	7.62E-08	2.53E-09	1.25E-07
4530	742071.89	4110167.47	5.66E-07	1.03E-06	5.66E-08	1.65E-06	8.78E-08	1.69E-07	8.49E-09	2.65E-07	8.53E-08	1.45E-07	1.08E-08	2.42E-07	4.85E-08	8.02E-08	2.66E-09	1.31E-07
4531	742092	4110153.98	5.90E-07	1.08E-06	5.91E-08	1.72E-06	9.15E-08	1.76E-07	8.86E-09	2.77E-07	8.90E-08	1.52E-07	1.12E-08	2.52E-07	5.06E-08	8.37E-08	2.77E-09	1.37E-07
4532	742112.11	4110140.48	6.11E-07	1.11E-06	6.11E-08	1.78E-06	9.47E-08	1.82E-07	9.16E-09	2.86E-07	9.21E-08	1.57E-07	1.16E-08	2.61E-07	5.23E-08	8.66E-08	2.87E-09	1.42E-07
4533	742132.22	4110126.99	6.28E-07	1.14E-06	6.28E-08	1.83E-06	9.74E-08	1.88E-07	9.42E-09	2.94E-07	9.47E-08	1.61E-07	1.20E-08	2.68E-07	5.38E-08	8.90E-08	2.95E-09	1.46E-07
4534	742152.33	4110113.5	6.43E-07	1.17E-06	6.43E-08	1.88E-06	9.97E-08	1.92E-07	9.65E-09	3.01E-07	9.69E-08	1.65E-07	1.22E-08	2.74E-07	5.51E-08	9.11E-08	3.02E-09	1.49E-07
4535	742172.44	4110100.01	6.55E-07	1.19E-06	6.55E-08	1.91E-06	1.02E-07	1.96E-07	9.82E-09	3.07E-07	9.87E-08	1.68E-07	1.25E-08	2.79E-07	5.61E-08	9.28E-08	3.08E-09	1.52E-07

4536	742192.55	4110086.52	6.62E-07	1.21E-06	6.62E-08	1.93E-06	1.03E-07	1.98E-07	9.94E-09	3.10E-07	9.98E-08	1.70E-07	1.26E-08	2.83E-07	5.67E-08	9.39E-08	3.11E-09	1.54E-07
4537	742212.66	4110073.02	6.65E-07	1.21E-06	6.65E-08	1.94E-06	1.03E-07	1.99E-07	9.97E-09	3.12E-07	1.00E-07	1.71E-07	1.27E-08	2.84E-07	5.69E-08	9.42E-08	3.12E-09	1.54E-07
4538	742232.77	4110059.53	6.60E-07	1.20E-06	6.60E-08	1.93E-06	1.02E-07	1.97E-07	9.90E-09	3.09E-07	9.95E-08	1.70E-07	1.26E-08	2.82E-07	5.65E-08	9.35E-08	3.10E-09	1.53E-07
4539	741928.14	4110266.82	3.50E-07	6.37E-07	3.50E-08	1.02E-06	5.42E-08	1.04E-07	5.25E-09	1.64E-07	5.27E-08	8.99E-08	6.66E-09	1.49E-07	3.00E-08	4.96E-08	1.64E-09	8.12E-08
4540	741893.13	4110259.51	3.86E-07	7.03E-07	3.86E-08	1.13E-06	5.98E-08	1.15E-07	5.79E-09	1.81E-07	5.82E-08	9.92E-08	7.35E-09	1.65E-07	3.31E-08	5.47E-08	1.81E-09	8.96E-08
4541	742005.37	4110242.2	3.50E-07	6.37E-07	3.50E-08	1.02E-06	5.42E-08	1.04E-07	5.25E-09	1.64E-07	5.27E-08	8.99E-08	6.66E-09	1.49E-07	3.00E-08	4.96E-08	1.64E-09	8.12E-08
4542	742025.48	4110228.71	3.69E-07	6.73E-07	3.69E-08	1.08E-06	5.73E-08	1.10E-07	5.54E-09	1.73E-07	5.57E-08	9.49E-08	7.04E-09	1.58E-07	3.16E-08	5.24E-08	1.74E-09	8.57E-08
4543	742045.59	4110215.21	3.90E-07	7.10E-07	3.90E-08	1.14E-06	6.04E-08	1.16E-07	5.85E-09	1.83E-07	5.88E-08	1.00E-07	7.43E-09	1.66E-07	3.34E-08	5.52E-08	1.83E-09	9.05E-08
4544	742065.7	4110201.72	4.09E-07	7.46E-07	4.10E-08	1.20E-06	6.35E-08	1.22E-07	6.14E-09	1.92E-07	6.17E-08	1.05E-07	7.80E-09	1.75E-07	3.51E-08	5.80E-08	1.92E-09	9.51E-08
4545	742085.81	4110188.23	4.28E-07	7.80E-07	4.28E-08	1.25E-06	6.63E-08	1.28E-07	6.42E-09	2.01E-07	6.45E-08	1.10E-07	8.15E-09	1.83E-07	3.67E-08	6.07E-08	2.01E-09	9.93E-08
4546	742105.92	4110174.74	4.44E-07	8.09E-07	4.44E-08	1.30E-06	6.89E-08	1.33E-07	6.66E-09	2.08E-07	6.70E-08	1.14E-07	8.46E-09	1.90E-07	3.80E-08	6.30E-08	2.09E-09	1.03E-07
4547	742126.03	4110161.25	4.57E-07	8.33E-07	4.58E-08	1.34E-06	7.09E-08	1.37E-07	6.87E-09	2.14E-07	6.90E-08	1.18E-07	8.72E-09	1.95E-07	3.92E-08	6.49E-08	2.15E-09	1.06E-07
4548	742146.14	4110147.75	4.69E-07	8.54E-07	4.69E-08	1.37E-06	7.27E-08	1.40E-07	7.04E-09	2.20E-07	7.07E-08	1.21E-07	8.93E-09	2.00E-07	4.02E-08	6.65E-08	2.20E-09	1.09E-07
4549	742166.25	4110134.26	4.79E-07	8.73E-07	4.79E-08	1.40E-06	7.43E-08	1.43E-07	7.19E-09	2.25E-07	7.22E-08	1.23E-07	9.13E-09	2.04E-07	4.10E-08	6.79E-08	2.25E-09	1.11E-07
4550	742186.36	4110120.77	4.87E-07	8.87E-07	4.87E-08	1.42E-06	7.55E-08	1.45E-07	7.31E-09	2.28E-07	7.34E-08	1.25E-07	9.27E-09	2.08E-07	4.17E-08	6.90E-08	2.29E-09	1.13E-07
4551	742206.47	4110107.28	4.91E-07	8.95E-07	4.91E-08	1.43E-06	7.61E-08	1.47E-07	7.37E-09	2.30E-07	7.40E-08	1.26E-07	9.36E-09	2.10E-07	4.21E-08	6.96E-08	2.31E-09	1.14E-07
4552	742226.58	4110093.78	4.91E-07	8.94E-07	4.91E-08	1.43E-06	7.61E-08	1.47E-07	7.36E-09	2.30E-07	7.40E-08	1.26E-07	9.35E-09	2.09E-07	4.20E-08	6.96E-08	2.31E-09	1.14E-07
4553	741967.42	4110306.12	2.43E-07	4.42E-07	2.43E-08	7.10E-07	3.77E-08	7.25E-08	3.64E-09	1.14E-07	3.66E-08	6.24E-08	4.63E-09	1.04E-07	2.08E-08	3.44E-08	1.14E-09	5.64E-08
4554	741944.57	4110310.57	2.48E-07	4.51E-07	2.48E-08	7.23E-07	3.84E-08	7.40E-08	3.72E-09	1.16E-07	3.73E-08	6.36E-08	4.72E-09	1.06E-07	2.12E-08	3.51E-08	1.16E-09	5.75E-08
4555	741921.72	4110315.03	2.49E-07	4.54E-07	2.50E-08	7.29E-07	3.87E-08	7.45E-08	3.74E-09	1.17E-07	3.76E-08	6.41E-08	4.75E-09	1.06E-07	2.14E-08	3.54E-08	1.17E-09	5.79E-08
4556	741879.71	4110306.25	2.72E-07	4.96E-07	2.72E-08	7.95E-07	4.22E-08	8.13E-08	4.08E-09	1.28E-07	4.10E-08	6.99E-08	5.18E-09	1.16E-07	2.33E-08	3.86E-08	1.28E-09	6.32E-08
4557	741860.56	4110293.02	2.97E-07	5.41E-07	2.97E-08	8.68E-07	4.61E-08	8.88E-08	4.46E-09	1.39E-07	4.48E-08	7.64E-08	5.66E-09	1.27E-07	2.55E-08	4.21E-08	1.40E-09	6.90E-08
4558	741841.4	4110279.79	3.23E-07	5.89E-07	3.24E-08	9.45E-07	5.01E-08	9.66E-08	4.85E-09	1.52E-07	4.88E-08	8.31E-08	6.16E-09	1.38E-07	2.77E-08	4.59E-08	1.52E-09	7.51E-08
4559	741822.25	4110266.56	3.52E-07	6.41E-07	3.52E-08	1.03E-06	5.46E-08	1.05E-07	5.28E-09	1.65E-07	5.31E-08	9.05E-08	6.71E-09	1.50E-07	3.02E-08	4.99E-08	1.65E-09	8.17E-08
4560	742013.12	4110297.21	2.28E-07	4.16E-07	2.29E-08	6.67E-07	3.54E-08	6.82E-08	3.43E-09	1.07E-07	3.44E-08	5.87E-08	4.35E-09	9.75E-08	1.96E-08	3.24E-08	1.07E-09	5.30E-08
4561	742033.23	4110283.72	2.36E-07	4.29E-07	2.36E-08	6.88E-07	3.65E-08	7.04E-08	3.54E-09	1.10E-07	3.55E-08	6.06E-08	4.49E-09	1.01E-07	2.02E-08	3.34E-08	1.11E-09	5.47E-08
4562	742053.34	4110270.23	2.44E-07	4.45E-07	2.44E-08	7.14E-07	3.79E-08	7.30E-08	3.67E-09	1.15E-07	3.68E-08	6.28E-08	4.65E-09	1.04E-07	2.09E-08	3.46E-08	1.15E-09	5.67E-08
4563	742073.45	4110256.74	2.54E-07	4.62E-07	2.54E-08	7.41E-07	3.93E-08	7.58E-08	3.81E-09	1.19E-07	3.83E-08	6.52E-08	4.83E-09	1.08E-07	2.17E-08	3.60E-08	1.19E-09	5.89E-08
4564	742093.56	4110243.24	2.63E-07	4.79E-07	2.63E-08	7.68E-07	4.08E-08	7.85E-08	3.94E-09	1.23E-07	3.96E-08	6.76E-08	5.01E-09	1.12E-07	2.25E-08	3.73E-08	1.24E-09	6.10E-08
4565	742113.67	4110229.75	2.71E-07	4.95E-07	2.72E-08	7.93E-07	4.21E-08	8.11E-08	4.07E-09	1.27E-07	4.09E-08	6.98E-08	5.17E-09	1.16E-07	2.33E-08	3.85E-08	1.28E-09	6.30E-08
4566	742133.78	4110216.26	2.79E-07	5.09E-07	2.79E-08	8.16E-07	4.33E-08	8.34E-08	4.19E-09	1.31E-07	4.21E-08	7.18E-08	5.32E-09	1.19E-07	2.39E-08	3.96E-08	1.31E-09	6.48E-08
4567	742153.89	4110202.77	2.86E-07	5.21E-07	2.86E-08	8.35E-07	4.43E-08	8.53E-08	4.29E-09	1.34E-07	4.31E-08	7.34E-08	5.44E-09	1.22E-07	2.45E-08	4.05E-08	1.34E-09	6.63E-08
4568	742174	4110189.27	2.91E-07	5.30E-07	2.91E-08	8.50E-07	4.51E-08	8.69E-08	4.37E-09	1.36E-07	4.39E-08	7.48E-08	5.54E-09	1.24E-07	2.49E-08	4.13E-08	1.37E-09	6.76E-08
4569	742194.11	4110175.78	2.96E-07	5.39E-07	2.96E-08	8.64E-07	4.59E-08	8.84E-08	4.44E-09	1.39E-07	4.46E-08	7.60E-08	5.64E-09	1.26E-07	2.53E-08	4.19E-08	1.39E-09	6.87E-08
4570	742214.22	4110162.29	3.00E-07	5.46E-07	3.00E-08	8.76E-07	4.65E-08	8.95E-08	4.50E-09	1.40E-07	4.52E-08	7.70E-08	5.71E-09	1.28E-07	2.57E-08	4.25E-08	1.41E-09	6.96E-08
4571	742234.33	4110148.8	3.02E-07	5.50E-07	3.02E-08	8.81E-07	4.68E-08	9.01E-08	4.53E-09	1.41E-07	4.55E-08	7.75E-08	5.75E-09	1.29E-07	2.58E-08	4.28E-08	1.42E-09	7.00E-08
4572	742254.44	4110135.3	3.01E-07	5.49E-07	3.02E-08	8.81E-07	4.67E-08	9.01E-08	4.52E-09	1.41E-07	4.55E-08	7.75E-08	5.74E-09	1.29E-07	2.58E-08	4.27E-08	1.42E-09	7.00E-08
4573	742274.55	4110121.81	3.00E-07	5.46E-07	3.00E-08	8.76E-07	4.65E-08	8.95E-08	4.50E-09	1.41E-07	4.52E-08	7.71E-08	5.71E-09	1.28E-07	2.57E-08	4.25E-08	1.41E-09	6.96E-08
4574	741975.69	4110351.46	1.83E-07	3.33E-07	1.83E-08	5.34E-07	2.83E-08	5.46E-08	2.74E-09	8.57E-08	2.76E-08	4.70E-08	3.48E-09	7.80E-08	1.57E-08	2.59E-08	8.59E-10	4.24E-08
4575	741932.17	4110359.94	1.89E-07	3.44E-07	1.89E-08	5.52E-07	2.93E-08	5.64E-08	2.83E-09	8.85E-08	2.85E-08	4.85E-08	3.60E-09	8.06E-08	1.62E-08	2.68E-08	8.87E-10	4.38E-08
4576	741870.4	4110355.82	2.02E-07	3.68E-07	2.02E-08	5.90E-07	3.13E-08	6.03E-08	3.03E-09	9.46E-08	3.04E-08	5.19E-08	3.85E-09	8.62E-08	1.73E-08	2.86E-08	9.49E-10	4.69E-08
4577	741833.91	4110330.62	2.30E-07	4.19E-07	2.30E-08	6.72E-07	3.57E-08	6.87E-08	3.45E-09	1.08E-07	3.47E-08	5.92E-08	4.38E-09	9.82E-08	1.97E-08	3.26E-08	1.08E-09	5.34E-08
4578	741797.43	4110305.42	2.62E-07	4.78E-07	2.63E-08	7.67E-07	4.07E-08	7.84E-08	3.94E-09	1.23E-07	3.96E-08	6.75E-08	5.00E-09	1.12E-07	2.25E-08	3.72E-08	1.23E-09	6.09E-08
4579	742061.09	4110325.24	1.70E-07	3.10E-07	1.70E-08	4.97E-07	2.64E-08	5.08E-08	2.55E-09	7.97E-08	2.56E-08	4.37E-08	3.24E-09	7.26E-08	1.46E-08	2.41E-08	7.99E-10	3.95E-08
4580	742081.2	4110311.75	1.74E-07	3.17E-07	1.74E-08	5.09E-07	2.70E-08	5.20E-08	2.61E-09	8.16E-08	2.62E-08	4.47E-08	3.32E-09	7.43E-08	1.49E-08	2.47E-08	8.18E-10	4.04E-08
4581	742101.31	4110298.26	1.79E-07	3.26E-07	1.79E-08	5.22E-07	2.77E-08	5.34E-08	2.68E-09	8.38E-08	2.69E-08	4.59E-08	3.40E-09	7.63E-08	1.53E-08	2.53E-08	8.40E-10	4.15E-08
4582	742121.42	4110284.76	1.83E-07	3.34E-07	1.83E-08	5.36E-07	2.84E-08	5.48E-08	2.75E-09	8.60E-08	2.76E-08	4.71E-08	3.49E-09	7.83E-08	1.57E-08	2.60E-08	8.62E-10	4.26E-08
4583	742141.53	4110271.27	1.88E-07	3.42E-07	1.88E-08	5.48E-07	2.91E-08	5.61E-08	2.82E-09	8.80E-08	2.83E-08	4.82E-08	3.58E-09	8.01E-08	1.61E-08	2.66E-08	8.82E-10	4.36E-08
4584	742161.64	4110257.78	1.91E-07	3.49E-07	1.91E-08	5.59E-07	2.97E-08	5.72E-08	2.87E-09	8.97E-08	2.89E-08	4.92E-08	3.65E-09	8.17E-08	1.64E-08	2.71E-08	8.99E-10	4.44E-08
4585	742181.75	4110244.29	1.94E-07	3.54E-07	1.94E-08	5.68E-07	3.01E-08	5.80E-08	2.92E-09	9.11E-08	2.93E-08	4.99E-08	3.70E-09	8.30E-08	1.66E-08	2.75E-08	9.13E-10	4.51E-08
4586	742201.86	4110230.79	1.97E-07	3.59E-07	1.97E-08	5.76E-07	3.06E-08	5.89E-08	2.96E-09	9.24E-08	2.97E-08	5.06E-08	3.75E-09	8.41E-08	1.69E-08	2.79E-08	9.26E-10	4.57E-08
4587	742221.97	4110217.3	2.00E-07	3.64E-07	2.00E-08	5.84E-07	3.10E-08	5.97E-08	3.00E-09	9.37E-08	3.01E-08	5.14E-08	3.81E-09	8.53E-08	1.71E-08	2.83E-08	9.39E-10	4.64E-08
4588	742242.08	4110203.81	2.02E-07	3.69E-07	2.02E-08	5.91E-07	3.14E-08	6.04E-08	3.04E-09	9.48E-08	3.05E-08	5.20E-08	3.86E-09	8.64E-08	1.73E-08	2.87E-08	9.51E-10	4.70E-08
4589	742262.19	4110190.32	2.04E-07	3.72E-07	2.04E-08	5.96E-07	3.16E-08	6.10E-08	3.06E-09	9.57E-08	3.08E-08	5.25E-08	3.89E-09	8.71E-08	1.75E-08	2.89E-08	9.59E-10	4.74E-08
4590	742282.3	4110176.83	2.05E-07	3.74E-07	2.05E-08	6.00E-07	3.18E-08	6.13E-08	3.08E-09	9.62E-08	3.10E-08	5.28E-08	3.91E-09	8.76E-08	1.76E-08	2.91E-08	9.65E-10	4.77E-08
4591	742302.41	4110163.33	2.05E-07	3.74E-07	2.06E-08	6.00E-07	3.19E-08	6.14E-08	3.08E-09	9.63E-08	3.10E-08	5.28E-08	3.91E-09	8.77E-08	1.76E-08	2.91E-08	9.65E-10	4.77E-08
4592	742005.36	4110392.62	1.40E-07	2.55E-07	1.40E-08	4.09E-07	2.17E-08	4.18E-08	2.10E-09	6.56E-08	2.11E-08	3.60E-08	2.67E-09	5.98E-08	1.20E-08	1.98E-08	6.58E-10	3.25E-08
4593	741963.05	4110400.87	1.47E-07	2.67E-07	1.47E-08	4.29E-07	2.27E-08	4.38E-08	2.20E-09	6.88E-08	2.21E-08	3.77E-08	2.80E-09	6.26E-08	1.26E-08	2.08E-08	6.89E-10	3.41E-08
4594	741920.73	4110409.12	1.50E-07	2.73E-07	1.50E-08	4.37E-07	2.32E-08	4.47E-08	2.25E-09	7.02E-08	2.26E-08	3.85E-08	2.85E-09	6.39E-08	1.28E-08	2.12E-08	7.04E-10	3.48E-08
4595	741860.68	4110405.11	1.58E-07	2.87E-07	1.58E-08	4.61E-07	2.45E-08	4.71E-08	2.37E-09	7.39E-08	2.38E-08	4.05E-08	3.01E-09	6.73E-08	1.35E-08	2.24E-08	7.41E-10	3.66E-08
4596	741825.21	4110380.61	1.75E-07	3.19E-07	1.75E-08	5.12E-07	2.72E-08	5.23E-08	2.63E-09	8.22E-08	2.64E-08	4.50E-08	3.34E-09	7.48E-08	1.50E-08	2.48E-08	8.23E-10	4.07E-08
4597	741789.73	4110356.11	1.94E-07	3.53E-07	1.94E-08	5.67E-07	3.01E-08	5.79E-08	2.91E-09	9.09E-08	2.92E-08	4.98E-08	3.69E-09	8.28E-08	1.66E-08	2.75E-08	9.11E-10	4.50E-08
4598	741754.26	4110331.61	2.17E-07	3.96E-07	2.17E-08	6.34E-07	3.37E-08	6.49E-08	3.26E-09	1.02E-07	3.27E-08	5.58E-08	4.14E-09	9.27E-08	1.86E-08	3.08E-08	1.02E-09	5.04E-08
4599	742088.95	4110366.76	1.28E-07	2.33E-07	1.28E-08	3.74E-07	1.99E-08	3.83E-08	1.92E-09	6.01E-08	1.93E-08	3.29E-08	2.44E-09	5.47E-08	1.10E-08	1.82E-08	6.02E-10	2.97E-08
4600	742109.06	4110353.27	1.30E-07	2.36E-07	1.30E-08	3.79E-07	2.01E-08	3.87E-08	1.95E-09	6.08E-08	1.96E-08	3.33E-08	2.47E-09	5.54E-08	1.11E-08	1.84E-08	6.09E-10	3.01E-08
4601	742129.17	4110339.78	1.32E-07	2.40E-07	1.32E-08	3.86E-07	2.05E-08	3.94E-08	1.98E-09	6.19E-08	1.99E-08	3.39E-08	2.51E-09	5.63E-08	1.13E-08	1.87E-08	6.20E-10	3.06E-08
4602	742149.28	4110326.28	1.34E-07	2.45E-07	1.35E-08	3.93E-07	2.09E-08	4.02E-08	2.02E-09	6.31E-08	2.03E-08	3.46E-08	2.56E-09	5.74E-08	1.15E-08	1.91E-08	6.32E-10	3.12E-08
4603	742169.39	4110312.79	1.37E-07	2.49E-07	1.37E-08	4.00E-07	2.12E-08	4.09E-08	2.05E-09	6.42E-08	2.06E-08	3.52E-08	2.61E-09	5.84E-08	1.17E-08	1.94E-08	6.43E-10	3.18E-08
4604	742189.5	4110299.3	1.39E-07	2.53E-07	1.39E-08	4.06E-07	2.15E-08	4.15E-08	2.08E-09	6.51E-08	2.09E-08	3.57E-08	2.65E-09	5.93E-08	1.19E-08	1.97E-08	6.53E-10	3.22E-08
4605	742209.61	4110285.81	1.40E-07	2.56E-07	1.40E-08	4.10E-07	2.18E-08	4.19E-08	2.11E-09	6.58E-08	2.12E-08	3.61E-08	2.68E-09	5.99E-08	1.20E-08	1.99E-08	6.60E-10	3.26E-08
4606	742229.72	4110272.32	1.42E-07	2.58E-07	1.42E-08	4.14E-07	2.20E-08	4.24E-08	2.13E-09	6.65E-08	2.14E-08	3.64E-08	2.70E-09	6.05E-08	1.21E-08	2.01E-08	6.66E-10	3.29E-08
4607	742249.83	4110258.82	1.43E-07	2.61E-07	1.43E-08	4.19E-07	2.22E-08	4.28E-08	2.15E-09	6.72E-08	2.16E-08	3.68E-08	2.73E-09	6.12E-08	1.23E-08	2.03E-08	6.74E-10	3.33E-08
4608	742269.94	4110245.33	1.45E-07	2.65E-07	1.45E-08	4.24E-07	2.25E-08	4.34E-08	2.18E-09	6.81E-08	2.19E-08	3.73E-08	2.77E-09	6.20E-08	1.24E-08	2.06E-08	6.82E-10	3.37E-08
4609	742290.05	4110231.84	1.47E-07	2.68E-07	1.47E-08	4.31E-07	2.28E-08	4.40E-08	2.21E-09	6.91E-08	2.22E-08	3.79E-08	2.81E-09	6.29E-08	1.26E-08	2.09E-08	6.92E-10	3.42E-08
4610	742310.16	4110218.35	1.49E-07	2.72E-07	1.49E-08	4.36E-07	2.31E-08	4.46E-08	2.24E-09	6.99E-08	2.25E-08	3.84E-08	2.84E-09	6.37E-08	1.28E-08	2.12E-08	7.01E-10	3.46E-08
4611	742330.27	4110204.85	1.50E-07	2.74E-07	1.51E-08	4.40E-07	2.33E-08	4.49E-08	2.26E-09	7.05E-08	2.27E-08	3.87E-08	2.87E-09	6.42E-08	1.29E-08	2.13E-08	7.07E-10	3.49E-08
4612	742050.99	4110430.68	1.07E-07	1.95E-07	1.07E-08	3.13E-07	1.66E-08	3.20E-08	1.61E-09	5.02E-08	1.62E-08	2.75E-08	2.04E-09	4.57E-08	9.18E-09	1.52E-08	5.04E-10	2.49E-08
4613	742028.14	4110435.13	1.11E-07	2.02E-07	1.11E-08	3.24E-07	1.72E-08	3.32E-08	1.67E-09	5.20E-08	1.67E-08	2.85E-08	2.12E-09	4.74E-08	9.51E-09	1.57E-08	5.22E-10	2.58E-08
4614	742005.29	4110439.59	1.15E-07	2.09E-07	1.15E-08	3.35E-07	1.78E-08	3.43E-08	1.72E-09	5.38E-08	1.73E-08	2.95E-08	2.19E-09	4.90E-08	9.83E-09	1.63E-08	5.39E-10	2.66E-08
4615	741982.44	4110444.04	1.18E-07	2.15E-07	1.18E-08	3.45E-07	1.83E-08	3.52E-08	1.77E-09	5.53E-08	1.78E-08	3.03E-08	2.25E-09	5.03E-08	1.01E-08	1.67E-08	5.54E-10	2.74E-08
4616	741959.59	4110448.49	1.20E-07	2.19E-07	1.20E-08	3.51E-07	1.86E-08	3.59E-08	1.80E-09	5.64E-08	1.81E-08	3.09E-08	2.29E-09	5.13E-08	1.03E-08	1.70E-08	5.65E-10	2.79E-08
4617	741936.74	4110452.95	1.22E-07	2.22E-07	1.22E-08	3.55E-07	1.89E-08	3.63E-08	1.83E-09	5.70E-08	1.83E-08	3.13E-08	2.32E-09	5.19E-08	1.04E-08	1.72E-08	5.72E-10	2.82E-08
4618	741913.89	4110457.4	1.22E-07	2.23E-07	1.22E-08	3.58E-07	1.90E-08	3.65E-08	1.84E-09	5.74E-08	1.84E-08	3.14E-08	2.33E-09	5.22E-08	1.05E-08	1.73E-08	5.75E-10	2.84E-08
4619	741891.04	4110461.85	1.22E-07	2.23E-07	1.22E-08	3.57E-07	1.90E-08	3.65E-08	1.84E-09	5.74E-08	1.84E-08	3.14E-08	2.33E-09	5.22E-08	1.05E-08	1.73E-08	5.75E-10	2.84E-08
4620	741849.03	4110453.08	1.28E-07	2.34E-07	1.28E-08	3.75E-07	1.99E-08	3.84E-08	1.93E-09	6.02E-08	1.94E-08	3.30E-08	2.45E-09	5.48E-08	1.10E-08	1.82E-08	6.03E-10	2.98E-08
4621	741829.88	4110439.85	1.35E-07	2.46E-07	1.35E-08	3.94E-07	2.09E-08	4.03E-08	2.02E-09	6.32E-08	2.03E-08	3.47E-08	2.57E-09	5.76E-08	1.16E-08	1.91E-08	6.34E-10	3.13E-08
4622	741810.72	4110426.61	1.41E-07	2.57E-07	1.41E-08	4.12E-07	2.19E-08	4.22E-08	2.12E-09	6.62E-08	2.13E-08	3.63E-08	2.69E-09	6.03E-08	1.21E-08	2.00E-08	6.63E-10	3.28E-08
4623	741791.57	4110413.38	1.47E-07	2.68E-07	1.47E-08	4.31E-07	2.28E-08	4.40E-08	2.21E-09	6.91E-08	2.22E-08	3.79E-08	2.81E-09	6.29E-08	1.26E-08	2.09E-08	6.92E-10	3.42E-08
4624	741772.41	4110400.15	1.54E-07	2.81E-07	1.54E-08	4.51E-07	2.39E-08	4.61E-08	2.31E-09	7.23E-08	2.33E-08	3.96E-08	2.94E-09	6.58E-08	1.32E-08	2.19E-08	7.25E-10	3.58E-08

4625	741753.26	4110386.92	1.62E-07	2.96E-07	1.62E-08	4.74E-07	2.52E-08	4.85E-08	2.43E-09	7.60E-08	2.45E-08	4.17E-08	3.09E-09	6.92E-08	1.39E-08	2.30E-08	7.62E-10	3.77E-08
4626	741734.1	4110373.69	1.71E-07	3.12E-07	1.71E-08	5.01E-07	2.66E-08	5.12E-08	2.57E-09	8.03E-08	2.58E-08	4.40E-08	3.27E-09	7.32E-08	1.47E-08	2.43E-08	8.05E-10	3.98E-08
4627	741714.94	4110360.46	1.81E-07	3.30E-07	1.81E-08	5.30E-07	2.81E-08	5.42E-08	2.72E-09	8.50E-08	2.73E-08	4.66E-08	3.46E-09	7.74E-08	1.55E-08	2.57E-08	8.52E-10	4.21E-08
4628	741695.79	4110347.23	1.92E-07	3.49E-07	1.92E-08	5.60E-07	2.97E-08	5.72E-08	2.88E-09	8.98E-08	2.89E-08	4.93E-08	3.65E-09	8.18E-08	1.64E-08	2.72E-08	9.00E-10	4.45E-08
4629	742096.69	4110421.77	9.93E-08	1.81E-07	9.94E-09	2.90E-07	1.54E-08	2.97E-08	1.49E-09	4.66E-08	1.50E-08	2.55E-08	1.89E-09	4.24E-08	8.51E-09	1.41E-08	4.67E-10	2.31E-08
4630	742116.8	4110408.28	9.94E-08	1.81E-07	9.95E-09	2.91E-07	1.54E-08	2.97E-08	1.49E-09	4.66E-08	1.50E-08	2.56E-08	1.89E-09	4.24E-08	8.52E-09	1.41E-08	4.67E-10	2.31E-08
4631	742136.91	4110394.79	9.98E-08	1.82E-07	9.99E-09	2.92E-07	1.55E-08	2.98E-08	1.50E-09	4.68E-08	1.51E-08	2.57E-08	1.90E-09	4.26E-08	8.56E-09	1.42E-08	4.69E-10	2.32E-08
4632	742157.02	4110381.3	1.01E-07	1.84E-07	1.01E-08	2.95E-07	1.56E-08	3.01E-08	1.51E-09	4.73E-08	1.52E-08	2.59E-08	1.92E-09	4.31E-08	8.64E-09	1.43E-08	4.74E-10	2.34E-08
4633	742177.13	4110367.81	1.02E-07	1.87E-07	1.02E-08	2.99E-07	1.59E-08	3.06E-08	1.54E-09	4.80E-08	1.54E-08	2.63E-08	1.95E-09	4.37E-08	8.77E-09	1.45E-08	4.81E-10	2.38E-08
4634	742197.24	4110354.31	1.04E-07	1.89E-07	1.04E-08	3.04E-07	1.61E-08	3.11E-08	1.56E-09	4.88E-08	1.57E-08	2.67E-08	1.98E-09	4.44E-08	8.91E-09	1.47E-08	4.89E-10	2.41E-08
4635	742217.35	4110340.82	1.05E-07	1.92E-07	1.05E-08	3.08E-07	1.63E-08	3.15E-08	1.58E-09	4.94E-08	1.59E-08	2.71E-08	2.01E-09	4.50E-08	9.03E-09	1.49E-08	4.95E-10	2.45E-08
4636	742237.46	4110327.33	1.06E-07	1.94E-07	1.06E-08	3.11E-07	1.65E-08	3.18E-08	1.60E-09	4.99E-08	1.60E-08	2.73E-08	2.03E-09	4.54E-08	9.12E-09	1.51E-08	5.00E-10	2.47E-08
4637	742257.57	4110313.84	1.07E-07	1.95E-07	1.07E-08	3.13E-07	1.66E-08	3.20E-08	1.61E-09	5.02E-08	1.61E-08	2.75E-08	2.04E-09	4.57E-08	9.18E-09	1.52E-08	5.03E-10	2.49E-08
4638	742277.68	4110300.34	1.08E-07	1.97E-07	1.08E-08	3.16E-07	1.68E-08	3.23E-08	1.62E-09	5.06E-08	1.63E-08	2.78E-08	2.06E-09	4.61E-08	9.26E-09	1.53E-08	5.08E-10	2.51E-08
4639	742297.79	4110286.85	1.09E-07	1.99E-07	1.10E-08	3.20E-07	1.70E-08	3.27E-08	1.64E-09	5.13E-08	1.65E-08	2.81E-08	2.09E-09	4.67E-08	9.38E-09	1.55E-08	5.14E-10	2.54E-08
4640	742317.9	4110273.36	1.11E-07	2.03E-07	1.11E-08	3.25E-07	1.73E-08	3.32E-08	1.67E-09	5.22E-08	1.68E-08	2.86E-08	2.12E-09	4.75E-08	9.53E-09	1.58E-08	5.23E-10	2.58E-08
4641	742338.01	4110259.87	1.13E-07	2.06E-07	1.13E-08	3.31E-07	1.76E-08	3.38E-08	1.70E-09	5.31E-08	1.71E-08	2.91E-08	2.16E-09	4.83E-08	9.70E-09	1.61E-08	5.32E-10	2.63E-08
4642	742358.12	4110246.37	1.15E-07	2.09E-07	1.15E-08	3.36E-07	1.78E-08	3.43E-08	1.72E-09	5.39E-08	1.73E-08	2.95E-08	2.19E-09	4.91E-08	9.85E-09	1.63E-08	5.40E-10	2.67E-08
4643	742105.54	4110513.95	7.03E-08	1.28E-07	7.03E-09	2.05E-07	1.09E-08	2.10E-08	1.05E-09	3.29E-08	1.06E-08	1.81E-08	1.34E-09	3.00E-08	6.02E-09	9.96E-09	3.30E-10	1.63E-08
4644	742082.1	4110518.52	7.29E-08	1.33E-07	7.29E-09	2.13E-07	1.13E-08	2.18E-08	1.09E-09	3.42E-08	1.10E-08	1.87E-08	1.39E-09	3.11E-08	6.24E-09	1.03E-08	3.42E-10	1.69E-08
4645	742058.66	4110523.09	7.56E-08	1.38E-07	7.57E-09	2.21E-07	1.17E-08	2.26E-08	1.14E-09	3.55E-08	1.14E-08	1.94E-08	1.44E-09	3.23E-08	6.48E-09	1.07E-08	3.55E-10	1.76E-08
4646	742035.23	4110527.65	7.85E-08	1.43E-07	7.86E-09	2.29E-07	1.22E-08	2.35E-08	1.18E-09	3.68E-08	1.18E-08	2.02E-08	1.50E-09	3.35E-08	6.73E-09	1.11E-08	3.69E-10	1.82E-08
4647	742011.79	4110532.22	8.13E-08	1.48E-07	8.14E-09	2.38E-07	1.26E-08	2.43E-08	1.22E-09	3.81E-08	1.23E-08	2.09E-08	1.55E-09	3.47E-08	6.97E-09	1.15E-08	3.82E-10	1.89E-08
4648	741988.35	4110536.79	8.36E-08	1.52E-07	8.37E-09	2.44E-07	1.30E-08	2.50E-08	1.26E-09	3.92E-08	1.26E-08	2.15E-08	1.59E-09	3.57E-08	7.17E-09	1.19E-08	3.93E-10	1.94E-08
4649	741964.92	4110541.36	8.53E-08	1.55E-07	8.54E-09	2.49E-07	1.32E-08	2.55E-08	1.28E-09	4.00E-08	1.29E-08	2.19E-08	1.63E-09	3.64E-08	7.31E-09	1.21E-08	4.01E-10	1.98E-08
4650	741941.48	4110545.92	8.65E-08	1.58E-07	8.65E-09	2.53E-07	1.34E-08	2.58E-08	1.30E-09	4.05E-08	1.30E-08	2.22E-08	1.65E-09	3.69E-08	7.41E-09	1.23E-08	4.06E-10	2.01E-08
4651	741918.04	4110550.49	8.72E-08	1.59E-07	8.72E-09	2.55E-07	1.35E-08	2.60E-08	1.31E-09	4.09E-08	1.31E-08	2.24E-08	1.66E-09	3.72E-08	7.47E-09	1.24E-08	4.10E-10	2.02E-08
4652	741894.61	4110555.06	8.75E-08	1.59E-07	8.75E-09	2.56E-07	1.36E-08	2.61E-08	1.31E-09	4.10E-08	1.32E-08	2.25E-08	1.67E-09	3.73E-08	7.50E-09	1.24E-08	4.11E-10	2.03E-08
4653	741871.17	4110559.63	8.73E-08	1.59E-07	8.74E-09	2.55E-07	1.35E-08	2.61E-08	1.31E-09	4.09E-08	1.32E-08	2.24E-08	1.66E-09	3.73E-08	7.48E-09	1.24E-08	4.10E-10	2.03E-08
4654	741828.09	4110550.62	9.05E-08	1.65E-07	9.06E-09	2.65E-07	1.40E-08	2.70E-08	1.36E-09	4.24E-08	1.37E-08	2.33E-08	1.73E-09	3.87E-08	7.76E-09	1.28E-08	4.25E-10	2.10E-08
4655	741808.44	4110537.05	9.41E-08	1.72E-07	9.42E-09	2.75E-07	1.46E-08	2.81E-08	1.41E-09	4.41E-08	1.42E-08	2.42E-08	1.79E-09	4.02E-08	8.07E-09	1.33E-08	4.42E-10	2.19E-08
4656	741788.79	4110523.48	9.75E-08	1.78E-07	9.75E-09	2.85E-07	1.51E-08	2.91E-08	1.46E-09	4.57E-08	1.47E-08	2.51E-08	1.86E-09	4.16E-08	8.35E-09	1.38E-08	4.58E-10	2.26E-08
4657	741769.15	4110509.91	1.01E-07	1.83E-07	1.01E-08	2.94E-07	1.56E-08	3.01E-08	1.51E-09	4.72E-08	1.52E-08	2.59E-08	1.92E-09	4.29E-08	8.62E-09	1.43E-08	4.73E-10	2.34E-08
4658	741749.5	4110496.34	1.04E-07	1.89E-07	1.04E-08	3.03E-07	1.61E-08	3.10E-08	1.56E-09	4.86E-08	1.56E-08	2.67E-08	1.98E-09	4.43E-08	8.89E-09	1.47E-08	4.87E-10	2.41E-08
4659	741729.85	4110482.77	1.07E-07	1.95E-07	1.07E-08	3.13E-07	1.66E-08	3.20E-08	1.61E-09	5.03E-08	1.62E-08	2.76E-08	2.04E-09	4.58E-08	9.19E-09	1.52E-08	5.04E-10	2.49E-08
4660	741710.21	4110469.2	1.11E-07	2.03E-07	1.12E-08	3.26E-07	1.73E-08	3.33E-08	1.67E-09	5.22E-08	1.68E-08	2.86E-08	2.12E-09	4.76E-08	9.55E-09	1.58E-08	5.24E-10	2.59E-08
4661	741690.56	4110455.63	1.17E-07	2.12E-07	1.17E-08	3.40E-07	1.81E-08	3.48E-08	1.75E-09	5.46E-08	1.76E-08	3.00E-08	2.22E-09	4.97E-08	9.98E-09	1.65E-08	5.48E-10	2.71E-08
4662	741670.91	4110442.06	1.22E-07	2.23E-07	1.22E-08	3.58E-07	1.90E-08	3.66E-08	1.84E-09	5.74E-08	1.85E-08	3.15E-08	2.33E-09	5.22E-08	1.05E-08	1.74E-08	5.75E-10	2.84E-08
4663	741651.27	4110428.49	1.29E-07	2.35E-07	1.29E-08	3.77E-07	2.00E-08	3.85E-08	1.93E-09	6.04E-08	1.94E-08	3.31E-08	2.46E-09	5.50E-08	1.10E-08	1.83E-08	6.06E-10	2.99E-08
4664	741631.62	4110414.92	1.36E-07	2.48E-07	1.36E-08	3.97E-07	2.11E-08	4.06E-08	2.04E-09	6.37E-08	2.05E-08	3.49E-08	2.59E-09	5.80E-08	1.16E-08	1.93E-08	6.39E-10	3.16E-08
4665	741611.98	4110401.35	1.43E-07	2.60E-07	1.43E-08	4.17E-07	2.21E-08	4.26E-08	2.14E-09	6.69E-08	2.15E-08	3.67E-08	2.72E-09	6.09E-08	1.22E-08	2.02E-08	6.71E-10	3.31E-08
4666	742152.41	4110504.82	6.49E-08	1.18E-07	6.50E-09	1.90E-07	1.01E-08	1.94E-08	9.74E-10	3.04E-08	9.79E-09	1.67E-08	1.24E-09	2.77E-08	5.56E-09	9.20E-09	3.05E-10	1.51E-08
4667	742172.52	4110491.32	6.43E-08	1.17E-07	6.43E-09	1.88E-07	9.97E-09	1.92E-08	9.65E-10	3.01E-08	9.70E-09	1.65E-08	1.23E-09	2.74E-08	5.51E-09	9.12E-09	3.02E-10	1.49E-08
4668	742192.63	4110477.83	6.38E-08	1.16E-07	6.39E-09	1.87E-07	9.90E-09	1.91E-08	9.58E-10	2.99E-08	9.63E-09	1.64E-08	1.22E-09	2.73E-08	5.47E-09	9.05E-09	3.00E-10	1.48E-08
4669	742212.74	4110464.34	6.39E-08	1.16E-07	6.39E-09	1.87E-07	9.91E-09	1.91E-08	9.59E-10	3.00E-08	9.64E-09	1.64E-08	1.22E-09	2.73E-08	5.48E-09	9.06E-09	3.00E-10	1.48E-08
4670	742232.85	4110450.85	6.46E-08	1.18E-07	6.46E-09	1.89E-07	1.00E-08	1.93E-08	9.69E-10	3.03E-08	9.74E-09	1.66E-08	1.23E-09	2.76E-08	5.53E-09	9.16E-09	3.03E-10	1.50E-08
4671	742252.96	4110437.35	6.57E-08	1.20E-07	6.57E-09	1.92E-07	1.02E-08	1.96E-08	9.86E-10	3.08E-08	9.91E-09	1.69E-08	1.25E-09	2.80E-08	5.63E-09	9.31E-09	3.09E-10	1.53E-08
4672	742273.07	4110423.86	6.68E-08	1.22E-07	6.69E-09	1.95E-07	1.04E-08	2.00E-08	1.00E-09	3.13E-08	1.01E-08	1.72E-08	1.27E-09	2.85E-08	5.73E-09	9.48E-09	3.14E-10	1.55E-08
4673	742293.18	4110410.37	6.77E-08	1.23E-07	6.78E-09	1.98E-07	1.05E-08	2.02E-08	1.02E-09	3.18E-08	1.02E-08	1.74E-08	1.29E-09	2.89E-08	5.80E-09	9.60E-09	3.18E-10	1.57E-08
4674	742313.29	4110396.88	6.83E-08	1.24E-07	6.83E-09	2.00E-07	1.06E-08	2.04E-08	1.03E-09	3.20E-08	1.03E-08	1.76E-08	1.30E-09	2.92E-08	5.85E-09	9.69E-09	3.21E-10	1.59E-08
4675	742333.4	4110383.39	6.88E-08	1.25E-07	6.88E-09	2.01E-07	1.07E-08	2.05E-08	1.03E-09	3.22E-08	1.04E-08	1.77E-08	1.31E-09	2.94E-08	5.89E-09	9.75E-09	3.23E-10	1.60E-08
4676	742353.51	4110369.89	6.93E-08	1.26E-07	6.94E-09	2.03E-07	1.07E-08	2.07E-08	1.04E-09	3.25E-08	1.05E-08	1.78E-08	1.32E-09	2.96E-08	5.94E-09	9.83E-09	3.26E-10	1.61E-08
4677	742373.62	4110356.4	7.02E-08	1.28E-07	7.03E-09	2.05E-07	1.09E-08	2.10E-08	1.05E-09	3.29E-08	1.06E-08	1.81E-08	1.34E-09	3.00E-08	6.02E-09	9.96E-09	3.30E-10	1.63E-08
4678	742393.73	4110342.91	7.15E-08	1.30E-07	7.16E-09	2.09E-07	1.11E-08	2.14E-08	1.07E-09	3.35E-08	1.08E-08	1.84E-08	1.36E-09	3.05E-08	6.13E-09	1.01E-08	3.36E-10	1.66E-08
4679	742413.84	4110329.42	7.30E-08	1.33E-07	7.31E-09	2.13E-07	1.13E-08	2.18E-08	1.10E-09	3.42E-08	1.10E-08	1.88E-08	1.39E-09	3.12E-08	6.26E-09	1.04E-08	3.43E-10	1.70E-08
4680	742163.32	4110596.59	4.92E-08	8.96E-08	4.92E-09	1.44E-07	7.62E-09	1.47E-08	7.38E-10	2.30E-08	7.41E-09	1.26E-08	9.37E-10	2.10E-08	4.21E-09	6.97E-09	2.31E-10	1.14E-08
4681	742140.92	4110600.96	5.09E-08	9.27E-08	5.09E-09	1.49E-07	7.89E-09	1.52E-08	7.63E-10	2.38E-08	7.67E-09	1.31E-08	9.69E-10	2.17E-08	4.36E-09	7.21E-09	2.39E-10	1.18E-08
4682	742118.51	4110605.32	5.25E-08	9.57E-08	5.26E-09	1.53E-07	8.15E-09	1.57E-08	7.88E-10	2.46E-08	7.92E-09	1.35E-08	1.00E-09	2.24E-08	4.50E-09	7.45E-09	2.47E-10	1.22E-08
4683	742096.11	4110609.69	5.43E-08	9.89E-08	5.43E-09	1.59E-07	8.42E-09	1.62E-08	8.15E-10	2.55E-08	8.19E-09	1.40E-08	1.03E-09	2.32E-08	4.65E-09	7.70E-09	2.55E-10	1.26E-08
4684	742073.71	4110614.05	5.62E-08	1.02E-07	5.62E-09	1.64E-07	8.72E-09	1.68E-08	8.44E-10	2.64E-08	8.48E-09	1.44E-08	1.07E-09	2.40E-08	4.82E-09	7.97E-09	2.64E-10	1.31E-08
4685	742051.3	4110618.42	5.82E-08	1.06E-07	5.83E-09	1.70E-07	9.03E-09	1.74E-08	8.74E-10	2.73E-08	8.78E-09	1.50E-08	1.11E-09	2.49E-08	4.99E-09	8.26E-09	2.74E-10	1.35E-08
4686	742028.9	4110622.79	6.02E-08	1.10E-07	6.02E-09	1.76E-07	9.34E-09	1.80E-08	9.04E-10	2.82E-08	9.08E-09	1.55E-08	1.15E-09	2.57E-08	5.16E-09	8.54E-09	2.83E-10	1.40E-08
4687	742006.5	4110627.15	6.20E-08	1.13E-07	6.20E-09	1.81E-07	9.61E-09	1.85E-08	9.30E-10	2.91E-08	9.34E-09	1.59E-08	1.18E-09	2.65E-08	5.31E-09	8.79E-09	2.91E-10	1.44E-08
4688	741984.1	4110631.52	6.34E-08	1.16E-07	6.34E-09	1.85E-07	9.83E-09	1.89E-08	9.51E-10	2.97E-08	9.56E-09	1.63E-08	1.21E-09	2.71E-08	5.43E-09	8.99E-09	2.98E-10	1.47E-08
4689	741961.69	4110635.88	6.45E-08	1.18E-07	6.46E-09	1.89E-07	1.00E-08	1.93E-08	9.68E-10	3.02E-08	9.73E-09	1.66E-08	1.23E-09	2.75E-08	5.53E-09	9.15E-09	3.03E-10	1.50E-08
4690	741939.29	4110640.25	6.54E-08	1.19E-07	6.54E-09	1.91E-07	1.01E-08	1.95E-08	9.82E-10	3.07E-08	9.86E-09	1.68E-08	1.25E-09	2.79E-08	5.60E-09	9.27E-09	3.07E-10	1.52E-08
4691	741916.89	4110644.62	6.61E-08	1.20E-07	6.61E-09	1.93E-07	1.02E-08	1.97E-08	9.92E-10	3.10E-08	9.96E-09	1.70E-08	1.26E-09	2.82E-08	5.66E-09	9.37E-09	3.10E-10	1.53E-08
4692	741894.49	4110648.98	6.65E-08	1.21E-07	6.65E-09	1.94E-07	1.03E-08	1.99E-08	9.98E-10	3.12E-08	1.00E-08	1.71E-08	1.27E-09	2.84E-08	5.70E-09	9.43E-09	3.13E-10	1.54E-08
4693	741872.08	4110653.35	6.66E-08	1.21E-07	6.67E-09	1.95E-07	1.03E-08	1.99E-08	1.00E-09	3.12E-08	1.00E-08	1.71E-08	1.27E-09	2.84E-08	5.71E-09	9.45E-09	3.13E-10	1.55E-08
4694	741849.68	4110657.71	6.64E-08	1.21E-07	6.65E-09	1.94E-07	1.03E-08	1.99E-08	9.97E-10	3.12E-08	1.00E-08	1.71E-08	1.27E-09	2.84E-08	5.69E-09	9.42E-09	3.12E-10	1.54E-08
4695	741808.5	4110649.11	6.81E-08	1.24E-07	6.82E-09	1.99E-07	1.06E-08	2.04E-08	1.02E-09	3.19E-08	1.03E-08	1.75E-08	1.30E-09	2.91E-08	5.84E-09	9.66E-09	3.20E-10	1.58E-08
4696	741789.72	4110636.14	7.02E-08	1.28E-07	7.02E-09	2.05E-07	1.09E-08	2.10E-08	1.05E-09	3.29E-08	1.06E-08	1.80E-08	1.34E-09	3.00E-08	6.01E-09	9.95E-09	3.30E-10	1.63E-08
4697	741770.94	4110623.16	7.21E-08	1.31E-07	7.21E-09	2.11E-07	1.12E-08	2.15E-08	1.08E-09	3.38E-08	1.09E-08	1.85E-08	1.37E-09	3.08E-08	6.18E-09	1.02E-08	3.39E-10	1.67E-08
4698	741752.16	4110610.19	7.38E-08	1.35E-07	7.39E-09	2.16E-07	1.15E-08	2.21E-08	1.11E-09	3.46E-08	1.11E-08	1.90E-08	1.41E-09	3.15E-08	6.33E-09	1.05E-08	3.47E-10	1.71E-08
4699	741733.38	4110597.22	7.55E-08	1.38E-07	7.55E-09	2.21E-07	1.17E-08	2.25E-08	1.13E-09	3.54E-08	1.14E-08	1.94E-08	1.44E-09	3.22E-08	6.47E-09	1.07E-08	3.55E-10	1.75E-08
4700	741714.6	4110584.25	7.71E-08	1.40E-07	7.71E-09	2.25E-07	1.20E-08	2.30E-08	1.16E-09	3.61E-08	1.16E-08	1.98E-08	1.47E-09	3.29E-08	6.60E-09	1.09E-08	3.62E-10	1.79E-08
4701	741695.82	4110571.28	7.88E-08	1.44E-07	7.89E-09	2.30E-07	1.22E-08	2.35E-08	1.18E-09	3.69E-08	1.19E-08	2.03E-08	1.50E-09	3.36E-08	6.75E-09	1.12E-08	3.70E-10	1.83E-08
4702	741677.04	4110558.31	8.09E-08	1.47E-07	8.10E-09	2.36E-07	1.25E-08	2.42E-08	1.21E-09	3.79E-08	1.22E-08	2.08E-08	1.54E-09	3.45E-08	6.93E-09	1.15E-08	3.80E-10	1.88E-08
4703	741658.26	4110545.34	8.35E-08	1.52E-07	8.35E-09	2.44E-07	1.29E-08	2.49E-08	1.25E-09	3.91E-08	1.26E-08	2.15E-08	1.59E-09	3.56E-08	7.15E-09	1.18E-08	3.92E-10	1.94E-08
4704	741639.48	4110532.36	8.66E-08	1.58E-07	8.66E-09	2.53E-07	1.34E-08	2.59E-08	1.30E-09	4.06E-08	1.31E-08	2.23E-08	1.65E-09	3.70E-08	7.42E-09	1.23E-08	4.07E-10	2.01E-08
4705	741620.7	4110519.39	9.02E-08	1.64E-07	9.02E-09	2.64E-07	1.40E-08	2.69E-08	1.35E-09	4.23E-08	1.36E-08	2.32E-08	1.72E-09	3.85E-08	7.73E-09	1.28E-08	4.24E-10	2.09E-08
4706	741601.92	4110506.42	9.42E-08	1.72E-07	9.43E-09	2.75E-07	1.46E-08	2.82E-08	1.41E-09	4.42E-08	1.42E-08	2.42E-08	1.80E-09	4.02E-08	8.08E-09	1.34E-08	4.43E-10	2.19E-08
4707	741583.14	4110493.45	9.87E-08	1.80E-07	9.88E-09	2.89E-07	1.53E-08	2.95E-08	1.48E-09	4.63E-08	1.49E-08	2.54E-08	1.88E-09	4.22E-08	8.46E-09	1.40E-08	4.64E-10	2.29E-08
4708	741564.36	4110480.48	1.03E-07	1.89E-07	1.04E-08	3.02E-07	1.60E-08	3.09E-08	1.55E-09	4.85E-08	1.56E-08	2.66E-08	1.97E-09	4.42E-08	8.87E-09	1.47E-08	4.86E-10	2.40E-08
4709	741545.58	4110467.51	1.08E-07	1.97E-07	1.08E-08	3.16E-07	1.68E-08	3.23E-08	1.62E-09	5.07E-08	1.63E-08	2.78E-08	2.06E-09	4.62E-08	9.26E-09	1.53E-08	5.08E-10	2.51E-08
4710	741526.8	4110454.54	1.12E-07	2.05E-07	1.12E-08	3.28E-07	1.74E-08	3.35E-08	1.68E-09	5.26E-08	1.69E-08	2.89E-08	2.14E-09	4.79E-08	9.62E-09	1.59E-08	5.27E-10	2.61E-08
4711	742208.12	4110587.86	4.54E-08	8.27E-08	4.54E-09	1.33E-07	7.04E-09	1.36E-08	6.81E-10	2.13E-08	6.84E-09	1.17E-08	8.65E-10	1.94E-08	3.89E-09	6.43E-09	2.13E-10	1.05E-08
4712	742228.23	4110574.36	4.47E-08	8.14E-08	4.47E-09	1.30E-07	6.92E-09	1.33E-08	6.70E-10	2.09E-08	6.73E-09	1.15E-08	8.51E-10	1.91E-08	3.83E-09	6.33E-09	2.10E-10	1.04E-08
4713	742248.34	4110560.87	4.41E-08	8.04E-08	4.42E-09	1.29E-07	6.84E-09	1.32E-08	6.62E-10	2.07E-08	6.65E-09	1.13E-08	8.41E-10	1.88E-08	3.78E-09	6.26E-09	2.07E-10	1.02E-08

4714	742268.45	4110547.38	4.41E-08	8.03E-08	4.41E-09	1.29E-07	6.84E-09	1.32E-08	6.62E-10	2.07E-08	6.65E-09	1.13E-08	8.40E-10	1.88E-08	3.78E-09	6.25E-09	2.07E-10	1.02E-08
4715	742288.56	4110533.89	4.46E-08	8.13E-08	4.47E-09	1.30E-07	6.92E-09	1.33E-08	6.70E-10	2.09E-08	6.73E-09	1.15E-08	8.51E-10	1.91E-08	3.82E-09	6.33E-09	2.10E-10	1.04E-08
4716	742308.67	4110520.4	4.56E-08	8.31E-08	4.56E-09	1.33E-07	7.07E-09	1.36E-08	6.84E-10	2.14E-08	6.88E-09	1.17E-08	8.69E-10	1.95E-08	3.91E-09	6.46E-09	2.14E-10	1.06E-08
4717	742328.78	4110506.9	4.66E-08	8.50E-08	4.66E-09	1.36E-07	7.23E-09	1.39E-08	7.00E-10	2.19E-08	7.03E-09	1.20E-08	8.88E-10	1.99E-08	3.99E-09	6.61E-09	2.19E-10	1.08E-08
4718	742348.89	4110493.41	4.74E-08	8.64E-08	4.74E-09	1.38E-07	7.35E-09	1.42E-08	7.11E-10	2.22E-08	7.15E-09	1.22E-08	9.03E-10	2.02E-08	4.06E-09	6.72E-09	2.23E-10	1.10E-08
4719	742369	4110479.92	4.79E-08	8.73E-08	4.79E-09	1.40E-07	7.43E-09	1.43E-08	7.19E-10	2.25E-08	7.22E-09	1.23E-08	9.13E-10	2.05E-08	4.11E-09	6.79E-09	2.25E-10	1.11E-08
4720	742389.11	4110466.43	4.82E-08	8.79E-08	4.83E-09	1.41E-07	7.48E-09	1.44E-08	7.24E-10	2.26E-08	7.27E-09	1.24E-08	9.19E-10	2.06E-08	4.13E-09	6.84E-09	2.27E-10	1.12E-08
4721	742409.22	4110452.93	4.86E-08	8.85E-08	4.86E-09	1.42E-07	7.53E-09	1.45E-08	7.29E-10	2.28E-08	7.33E-09	1.25E-08	9.26E-10	2.07E-08	4.16E-09	6.89E-09	2.28E-10	1.13E-08
4722	742429.33	4110439.44	4.92E-08	8.96E-08	4.92E-09	1.44E-07	7.63E-09	1.47E-08	7.38E-10	2.31E-08	7.42E-09	1.26E-08	9.37E-10	2.10E-08	4.21E-09	6.97E-09	2.31E-10	1.14E-08
4723	742449.44	4110425.95	5.01E-08	9.13E-08	5.01E-09	1.46E-07	7.77E-09	1.50E-08	7.52E-10	2.35E-08	7.55E-09	1.29E-08	9.54E-10	2.14E-08	4.29E-09	7.10E-09	2.35E-10	1.16E-08
4724	742469.55	4110412.46	5.11E-08	9.32E-08	5.12E-09	1.49E-07	7.93E-09	1.53E-08	7.68E-10	2.40E-08	7.71E-09	1.31E-08	9.75E-10	2.18E-08	4.38E-09	7.25E-09	2.40E-10	1.19E-08
4725	742218.14	4110679.81	3.63E-08	6.61E-08	3.63E-09	1.06E-07	5.62E-09	1.08E-08	5.44E-10	1.70E-08	5.47E-09	9.32E-09	6.91E-10	1.55E-08	3.11E-09	5.14E-09	1.70E-10	8.42E-09
4726	742195.29	4110684.26	3.76E-08	6.85E-08	3.76E-09	1.10E-07	5.83E-09	1.12E-08	5.64E-10	1.76E-08	5.67E-09	9.66E-09	7.16E-10	1.60E-08	3.22E-09	5.33E-09	1.77E-10	8.73E-09
4727	742172.44	4110688.71	3.88E-08	7.08E-08	3.89E-09	1.14E-07	6.02E-09	1.16E-08	5.83E-10	1.82E-08	5.86E-09	9.99E-09	7.40E-10	1.66E-08	3.33E-09	5.51E-09	1.83E-10	9.02E-09
4728	742149.58	4110693.17	4.01E-08	7.31E-08	4.01E-09	1.17E-07	6.22E-09	1.20E-08	6.02E-10	1.88E-08	6.05E-09	1.03E-08	7.64E-10	1.71E-08	3.44E-09	5.69E-09	1.89E-10	9.31E-09
4729	742126.73	4110697.62	4.14E-08	7.55E-08	4.14E-09	1.21E-07	6.42E-09	1.24E-08	6.22E-10	1.94E-08	6.25E-09	1.06E-08	7.89E-10	1.77E-08	3.55E-09	5.87E-09	1.95E-10	9.62E-09
4730	742103.88	4110702.07	4.28E-08	7.80E-08	4.28E-09	1.25E-07	6.64E-09	1.28E-08	6.43E-10	2.01E-08	6.46E-09	1.10E-08	8.16E-10	1.83E-08	3.67E-09	6.07E-09	2.01E-10	9.94E-09
4731	742081.03	4110706.53	4.43E-08	8.08E-08	4.43E-09	1.30E-07	6.87E-09	1.32E-08	6.65E-10	2.08E-08	6.68E-09	1.14E-08	8.44E-10	1.89E-08	3.80E-09	6.28E-09	2.08E-10	1.03E-08
4732	742058.18	4110710.98	4.58E-08	8.35E-08	4.59E-09	1.34E-07	7.11E-09	1.37E-08	6.88E-10	2.15E-08	6.91E-09	1.18E-08	8.73E-10	1.96E-08	3.93E-09	6.50E-09	2.15E-10	1.06E-08
4733	742035.33	4110715.43	4.73E-08	8.61E-08	4.73E-09	1.38E-07	7.33E-09	1.41E-08	7.09E-10	2.22E-08	7.13E-09	1.21E-08	9.01E-10	2.02E-08	4.05E-09	6.70E-09	2.22E-10	1.10E-08
4734	742012.48	4110719.89	4.85E-08	8.84E-08	4.85E-09	1.42E-07	7.52E-09	1.45E-08	7.28E-10	2.27E-08	7.31E-09	1.25E-08	9.24E-10	2.07E-08	4.16E-09	6.88E-09	2.28E-10	1.13E-08
4735	741989.63	4110724.34	4.96E-08	9.03E-08	4.96E-09	1.45E-07	7.69E-09	1.48E-08	7.44E-10	2.32E-08	7.47E-09	1.27E-08	9.44E-10	2.12E-08	4.25E-09	7.03E-09	2.33E-10	1.15E-08
4736	741966.78	4110728.79	5.05E-08	9.20E-08	5.05E-09	1.47E-07	7.83E-09	1.51E-08	7.57E-10	2.37E-08	7.61E-09	1.30E-08	9.62E-10	2.15E-08	4.32E-09	7.16E-09	2.37E-10	1.17E-08
4737	741943.93	4110733.24	5.13E-08	9.34E-08	5.13E-09	1.50E-07	7.95E-09	1.53E-08	7.69E-10	2.40E-08	7.73E-09	1.32E-08	9.77E-10	2.19E-08	4.39E-09	7.27E-09	2.41E-10	1.19E-08
4738	741921.08	4110737.7	5.20E-08	9.47E-08	5.20E-09	1.52E-07	8.06E-09	1.55E-08	7.80E-10	2.44E-08	7.83E-09	1.34E-08	9.90E-10	2.22E-08	4.45E-09	7.37E-09	2.44E-10	1.21E-08
4739	741898.23	4110742.15	5.25E-08	9.57E-08	5.25E-09	1.53E-07	8.14E-09	1.57E-08	7.88E-10	2.46E-08	7.92E-09	1.35E-08	1.00E-09	2.24E-08	4.50E-09	7.45E-09	2.47E-10	1.22E-08
4740	741875.38	4110746.6	5.29E-08	9.63E-08	5.29E-09	1.54E-07	8.20E-09	1.58E-08	7.93E-10	2.48E-08	7.97E-09	1.36E-08	1.01E-09	2.26E-08	4.53E-09	7.50E-09	2.48E-10	1.23E-08
4741	741852.53	4110751.06	5.30E-08	9.65E-08	5.30E-09	1.55E-07	8.22E-09	1.58E-08	7.95E-10	2.48E-08	7.99E-09	1.36E-08	1.01E-09	2.26E-08	4.54E-09	7.51E-09	2.49E-10	1.23E-08
4742	741829.68	4110755.51	5.28E-08	9.63E-08	5.29E-09	1.54E-07	8.19E-09	1.58E-08	7.93E-10	2.48E-08	7.97E-09	1.36E-08	1.01E-09	2.26E-08	4.53E-09	7.49E-09	2.48E-10	1.23E-08
4743	741787.67	4110746.73	5.39E-08	9.82E-08	5.39E-09	1.57E-07	8.36E-09	1.61E-08	8.09E-10	2.53E-08	8.13E-09	1.39E-08	1.03E-09	2.30E-08	4.62E-09	7.64E-09	2.53E-10	1.25E-08
4744	741768.51	4110733.5	5.52E-08	1.01E-07	5.53E-09	1.61E-07	8.56E-09	1.65E-08	8.29E-10	2.59E-08	8.33E-09	1.42E-08	1.05E-09	2.36E-08	4.73E-09	7.83E-09	2.60E-10	1.28E-08
4745	741749.36	4110720.27	5.65E-08	1.03E-07	5.65E-09	1.65E-07	8.76E-09	1.69E-08	8.47E-10	2.65E-08	8.51E-09	1.45E-08	1.08E-09	2.41E-08	4.84E-09	8.01E-09	2.65E-10	1.31E-08
4746	741730.2	4110707.04	5.76E-08	1.05E-07	5.76E-09	1.68E-07	8.93E-09	1.72E-08	8.64E-10	2.70E-08	8.69E-09	1.48E-08	1.10E-09	2.46E-08	4.94E-09	8.17E-09	2.71E-10	1.34E-08
4747	741711.05	4110693.81	5.86E-08	1.07E-07	5.86E-09	1.71E-07	9.09E-09	1.75E-08	8.80E-10	2.75E-08	8.84E-09	1.51E-08	1.12E-09	2.50E-08	5.02E-09	8.31E-09	2.75E-10	1.36E-08
4748	741691.89	4110680.58	5.95E-08	1.08E-07	5.96E-09	1.74E-07	9.23E-09	1.78E-08	8.93E-10	2.79E-08	8.98E-09	1.53E-08	1.13E-09	2.54E-08	5.10E-09	8.44E-09	2.80E-10	1.38E-08
4749	741672.74	4110667.35	6.05E-08	1.10E-07	6.05E-09	1.77E-07	9.38E-09	1.81E-08	9.08E-10	2.84E-08	9.12E-09	1.55E-08	1.15E-09	2.58E-08	5.18E-09	8.57E-09	2.84E-10	1.40E-08
4750	741653.58	4110654.12	6.15E-08	1.12E-07	6.16E-09	1.80E-07	9.54E-09	1.84E-08	9.24E-10	2.89E-08	9.28E-09	1.58E-08	1.17E-09	2.63E-08	5.27E-09	8.73E-09	2.89E-10	1.43E-08
4751	741634.43	4110640.89	6.29E-08	1.15E-07	6.29E-09	1.84E-07	9.75E-09	1.88E-08	9.43E-10	2.95E-08	9.48E-09	1.62E-08	1.20E-09	2.68E-08	5.39E-09	8.91E-09	2.95E-10	1.46E-08
4752	741615.27	4110627.66	6.45E-08	1.18E-07	6.46E-09	1.89E-07	1.00E-08	1.93E-08	9.69E-10	3.03E-08	9.73E-09	1.66E-08	1.23E-09	2.75E-08	5.53E-09	9.15E-09	3.03E-10	1.50E-08
4753	741596.12	4110614.43	6.66E-08	1.21E-07	6.66E-09	1.95E-07	1.03E-08	1.99E-08	9.99E-10	3.12E-08	1.00E-08	1.71E-08	1.27E-09	2.84E-08	5.70E-09	9.44E-09	3.13E-10	1.55E-08
4754	741576.96	4110601.19	6.90E-08	1.26E-07	6.90E-09	2.02E-07	1.07E-08	2.06E-08	1.04E-09	3.23E-08	1.04E-08	1.77E-08	1.31E-09	2.94E-08	5.91E-09	9.78E-09	3.24E-10	1.60E-08
4755	741557.81	4110587.96	7.17E-08	1.31E-07	7.17E-09	2.10E-07	1.11E-08	2.14E-08	1.08E-09	3.36E-08	1.08E-08	1.84E-08	1.37E-09	3.06E-08	6.14E-09	1.02E-08	3.37E-10	1.66E-08
4756	741538.65	4110574.73	7.48E-08	1.36E-07	7.48E-09	2.18E-07	1.16E-08	2.23E-08	1.12E-09	3.50E-08	1.13E-08	1.92E-08	1.42E-09	3.19E-08	6.41E-09	1.06E-08	3.51E-10	1.74E-08
4757	741519.49	4110561.5	7.81E-08	1.42E-07	7.81E-09	2.28E-07	1.21E-08	2.33E-08	1.17E-09	3.66E-08	1.18E-08	2.01E-08	1.49E-09	3.33E-08	6.69E-09	1.11E-08	3.67E-10	1.81E-08
4758	741500.34	4110548.27	8.16E-08	1.49E-07	8.17E-09	2.38E-07	1.27E-08	2.44E-08	1.22E-09	3.83E-08	1.23E-08	2.10E-08	1.56E-09	3.48E-08	6.99E-09	1.16E-08	3.84E-10	1.89E-08
4759	741481.18	4110535.04	8.51E-08	1.55E-07	8.51E-09	2.49E-07	1.32E-08	2.54E-08	1.28E-09	3.99E-08	1.28E-08	2.19E-08	1.62E-09	3.63E-08	7.29E-09	1.21E-08	4.00E-10	1.98E-08
4760	741462.03	4110521.81	8.83E-08	1.61E-07	8.83E-09	2.58E-07	1.37E-08	2.64E-08	1.32E-09	4.14E-08	1.33E-08	2.27E-08	1.68E-09	3.77E-08	7.56E-09	1.25E-08	4.15E-10	2.05E-08
4761	741442.87	4110508.58	9.09E-08	1.66E-07	9.10E-09	2.66E-07	1.41E-08	2.72E-08	1.36E-09	4.26E-08	1.37E-08	2.34E-08	1.73E-09	3.88E-08	7.79E-09	1.29E-08	4.27E-10	2.11E-08
4762	742263.84	4110670.9	3.35E-08	6.11E-08	3.35E-09	9.79E-08	5.20E-09	1.00E-08	5.03E-10	1.57E-08	5.05E-09	8.61E-09	6.39E-10	1.43E-08	2.87E-09	4.75E-09	1.57E-10	7.78E-09
4763	742283.95	4110657.41	3.30E-08	6.01E-08	3.30E-09	9.64E-08	5.12E-09	9.85E-09	4.95E-10	1.55E-08	4.97E-09	8.48E-09	6.29E-10	1.41E-08	2.83E-09	4.68E-09	1.55E-10	7.66E-09
4764	742304.06	4110643.91	3.27E-08	5.95E-08	3.27E-09	9.54E-08	5.06E-09	9.76E-09	4.90E-10	1.53E-08	4.92E-09	8.39E-09	6.22E-10	1.39E-08	2.80E-09	4.63E-09	1.53E-10	7.58E-09
4765	742324.17	4110630.42	3.26E-08	5.95E-08	3.27E-09	9.54E-08	5.06E-09	9.75E-09	4.90E-10	1.53E-08	4.92E-09	8.39E-09	6.22E-10	1.39E-08	2.80E-09	4.63E-09	1.53E-10	7.58E-09
4766	742344.28	4110616.93	3.30E-08	6.01E-08	3.30E-09	9.64E-08	5.12E-09	9.86E-09	4.95E-10	1.55E-08	4.98E-09	8.48E-09	6.29E-10	1.41E-08	2.83E-09	4.68E-09	1.55E-10	7.66E-09
4767	742364.39	4110603.44	3.37E-08	6.14E-08	3.37E-09	9.85E-08	5.23E-09	1.01E-08	5.06E-10	1.58E-08	5.08E-09	8.66E-09	6.42E-10	1.44E-08	2.89E-09	4.78E-09	1.58E-10	7.82E-09
4768	742384.5	4110589.94	3.45E-08	6.29E-08	3.45E-09	1.01E-07	5.35E-09	1.03E-08	5.18E-10	1.62E-08	5.20E-09	8.87E-09	6.58E-10	1.47E-08	2.96E-09	4.89E-09	1.62E-10	8.01E-09
4769	742404.61	4110576.45	3.52E-08	6.42E-08	3.52E-09	1.03E-07	5.46E-09	1.05E-08	5.29E-10	1.65E-08	5.31E-09	9.05E-09	6.71E-10	1.50E-08	3.02E-09	4.99E-09	1.65E-10	8.18E-09
4770	742424.72	4110562.96	3.57E-08	6.51E-08	3.58E-09	1.04E-07	5.54E-09	1.07E-08	5.36E-10	1.68E-08	5.39E-09	9.19E-09	6.81E-10	1.53E-08	3.06E-09	5.07E-09	1.68E-10	8.30E-09
4771	742444.83	4110549.47	3.61E-08	6.58E-08	3.61E-09	1.06E-07	5.60E-09	1.08E-08	5.42E-10	1.69E-08	5.45E-09	9.28E-09	6.88E-10	1.54E-08	3.09E-09	5.12E-09	1.70E-10	8.38E-09
4772	742464.94	4110535.98	3.65E-08	6.65E-08	3.65E-09	1.07E-07	5.66E-09	1.09E-08	5.47E-10	1.71E-08	5.50E-09	9.38E-09	6.95E-10	1.56E-08	3.13E-09	5.17E-09	1.71E-10	8.47E-09
4773	742485.05	4110522.48	3.70E-08	6.74E-08	3.70E-09	1.08E-07	5.73E-09	1.10E-08	5.55E-10	1.73E-08	5.58E-09	9.51E-09	7.05E-10	1.58E-08	3.17E-09	5.24E-09	1.74E-10	8.59E-09
4774	742505.16	4110508.99	3.77E-08	6.86E-08	3.77E-09	1.10E-07	5.84E-09	1.12E-08	5.65E-10	1.77E-08	5.68E-09	9.68E-09	7.18E-10	1.61E-08	3.23E-09	5.34E-09	1.77E-10	8.74E-09
4775	742525.27	4110495.5	3.84E-08	7.00E-08	3.85E-09	1.12E-07	5.96E-09	1.15E-08	5.77E-10	1.80E-08	5.80E-09	9.88E-09	7.32E-10	1.64E-08	3.29E-09	5.45E-09	1.81E-10	8.92E-09
4776	742273.19	4110762.98	2.79E-08	5.08E-08	2.79E-09	8.14E-08	4.32E-09	8.32E-09	4.18E-10	1.31E-08	4.20E-09	7.16E-09	5.31E-10	1.19E-08	2.39E-09	3.95E-09	1.31E-10	6.47E-09
4777	742250.01	4110767.49	2.89E-08	5.26E-08	2.89E-09	8.43E-08	4.48E-09	8.62E-09	4.33E-10	1.35E-08	4.35E-09	7.42E-09	5.50E-10	1.23E-08	2.47E-09	4.09E-09	1.36E-10	6.70E-09
4778	742226.83	4110772.01	2.98E-08	5.44E-08	2.99E-09	8.72E-08	4.63E-09	8.92E-09	4.48E-10	1.40E-08	4.50E-09	7.67E-09	5.69E-10	1.27E-08	2.56E-09	4.23E-09	1.40E-10	6.93E-09
4779	742203.64	4110776.53	3.08E-08	5.62E-08	3.08E-09	9.01E-08	4.78E-09	9.21E-09	4.63E-10	1.45E-08	4.65E-09	7.92E-09	5.87E-10	1.32E-08	2.64E-09	4.37E-09	1.45E-10	7.16E-09
4780	742180.46	4110781.05	3.18E-08	5.80E-08	3.18E-09	9.30E-08	4.93E-09	9.50E-09	4.77E-10	1.49E-08	4.80E-09	8.18E-09	6.06E-10	1.36E-08	2.73E-09	4.51E-09	1.50E-10	7.39E-09
4781	742157.28	4110785.57	3.28E-08	5.98E-08	3.28E-09	9.59E-08	5.09E-09	9.81E-09	4.93E-10	1.54E-08	4.95E-09	8.44E-09	6.25E-10	1.40E-08	2.81E-09	4.65E-09	1.54E-10	7.62E-09
4782	742134.1	4110790.08	3.39E-08	6.17E-08	3.39E-09	9.90E-08	5.25E-09	1.01E-08	5.09E-10	1.59E-08	5.11E-09	8.71E-09	6.46E-10	1.45E-08	2.90E-09	4.80E-09	1.59E-10	7.87E-09
4783	742110.92	4110794.6	3.50E-08	6.38E-08	3.50E-09	1.02E-07	5.43E-09	1.05E-08	5.25E-10	1.64E-08	5.28E-09	9.00E-09	6.67E-10	1.49E-08	3.00E-09	4.96E-09	1.64E-10	8.13E-09
4784	742087.73	4110799.12	3.62E-08	6.59E-08	3.62E-09	1.06E-07	5.61E-09	1.08E-08	5.43E-10	1.70E-08	5.45E-09	9.30E-09	6.89E-10	1.54E-08	3.10E-09	5.13E-09	1.70E-10	8.40E-09
4785	742064.55	4110803.64	3.73E-08	6.80E-08	3.73E-09	1.09E-07	5.78E-09	1.11E-08	5.60E-10	1.75E-08	5.62E-09	9.59E-09	7.11E-10	1.59E-08	3.20E-09	5.29E-09	1.75E-10	8.66E-09
4786	742041.37	4110808.15	3.83E-08	6.98E-08	3.83E-09	1.12E-07	5.94E-09	1.14E-08	5.75E-10	1.80E-08	5.78E-09	9.85E-09	7.30E-10	1.64E-08	3.28E-09	5.43E-09	1.80E-10	8.90E-09
4787	742018.19	4110812.67	3.92E-08	7.15E-08	3.92E-09	1.15E-07	6.08E-09	1.17E-08	5.89E-10	1.84E-08	5.92E-09	1.01E-08	7.47E-10	1.67E-08	3.36E-09	5.56E-09	1.84E-10	9.11E-09
4788	741995.01	4110817.19	4.00E-08	7.29E-08	4.00E-09	1.17E-07	6.21E-09	1.20E-08	6.01E-10	1.88E-08	6.03E-09	1.03E-08	7.62E-10	1.71E-08	3.43E-09	5.67E-09	1.88E-10	9.29E-09
4789	741971.83	4110821.71	4.07E-08	7.42E-08	4.08E-09	1.19E-07	6.32E-09	1.22E-08	6.11E-10	1.91E-08	6.14E-09	1.05E-08	7.76E-10	1.74E-08	3.49E-09	5.77E-09	1.91E-10	9.46E-09
4790	741948.64	4110826.23	4.14E-08	7.54E-08	4.14E-09	1.21E-07	6.42E-09	1.24E-08	6.21E-10	1.94E-08	6.24E-09	1.06E-08	7.89E-10	1.77E-08	3.55E-09	5.87E-09	1.95E-10	9.61E-09
4791	741925.46	4110830.74	4.20E-08	7.66E-08	4.21E-09	1.23E-07	6.52E-09	1.26E-08	6.31E-10	1.97E-08	6.34E-09	1.08E-08	8.01E-10	1.79E-08	3.60E-09	5.96E-09	1.98E-10	9.76E-09
4792	741902.28	4110835.26	4.26E-08	7.76E-08	4.26E-09	1.24E-07	6.61E-09	1.27E-08	6.39E-10	2.00E-08	6.42E-09	1.10E-08	8.12E-10	1.82E-08	3.65E-09	6.04E-09	2.00E-10	9.89E-09
4793	741879.1	4110839.78	4.31E-08	7.84E-08	4.31E-09	1.26E-07	6.68E-09	1.29E-08	6.46E-10	2.02E-08	6.49E-09	1.11E-08	8.20E-10	1.84E-08	3.69E-09	6.10E-09	2.02E-10	1.00E-08
4794	741855.92	4110844.3	4.33E-08	7.90E-08	4.34E-09	1.27E-07	6.72E-09	1.29E-08	6.50E-10	2.03E-08	6.53E-09	1.11E-08	8.26E-10	1.85E-08	3.71E-09	6.14E-09	2.04E-10	1.01E-08
4795	741832.73	4110848.81	4.34E-08	7.91E-08	4.34E-09	1.27E-07	6.73E-09	1.30E-08	6.52E-10	2.04E-08	6.55E-09	1.12E-08	8.27E-10	1.85E-08	3.72E-09	6.16E-09	2.04E-10	1.01E-08
4796	741809.55	4110853.33	4.33E-08	7.89E-08	4.33E-09	1.27E-07	6.72E-09	1.29E-08	6.50E-10	2.03E-08	6.53E-09	1.11E-08	8.25E-10	1.85E-08	3.71E-09	6.14E-09	2.04E-10	1.01E-08
4797	741766.94	4110844.43	4.41E-08	8.03E-08	4.41E-09	1.29E-07	6.84E-09	1.32E-08	6.62E-10	2.07E-08	6.65E-09	1.13E-08	8.40E-10	1.88E-08	3.78E-09	6.25E-09	2.07E-10	1.02E-08
4798	741747.5	4110831.01	4.50E-08	8.20E-08	4.50E-09	1.32E-07	6.98E-09	1.35E-08	6.76E-10	2.11E-08	6.79E-09	1.16E-08	8.58E-10	1.92E-08	3.86E-09	6.38E-09	2.12E-10	1.05E-08
4799	741728.07	4110817.58	4.59E-08	8.36E-08	4.59E-09	1.34E-07	7.11E-09	1.37E-08	6.89E-10	2.15E-08	6.92E-09	1.18E-08	8.74E-10	1.96E-08	3.93E-09	6.50E-09	2.16E-10	1.07E-08
4800	741708.64	4110804.16	4.66E-08	8.50E-08	4.67E-09	1.36E-07	7.23E-09	1.39E-08	7.00E-10	2.19E-08	7.03E-09	1.20E-08	8.89E-10	1.99E-08	4.00E-09	6.61E-09	2.19E-10	1.08E-08
4801	741689.21	4110790.74	4.73E-08	8.62E-08	4.73E-09	1.38E-07	7.34E-09	1.41E-08	7.10E-10	2.22E-08	7.13E-09	1.22E-08	9.02E-10	2.02E-08	4.05E-09	6.71E-09	2.22E-10	1.10E-08
4802	741669.77	4110777.31	4.79E-08	8.73E-08	4.79E-09	1.40E-07	7.43E-09	1.43E-08	7.19E-10	2.25E-08	7.23E-09	1.23E-08	9.13E-10	2.05E-08	4.11E-09	6.79E-09	2.25E-10	1.11E-08

4803	741650.34	4110763.89	4.85E-08	8.83E-08	4.85E-09	1.42E-07	7.52E-09	1.45E-08	7.28E-10	2.27E-08	7.31E-09	1.25E-08	9.24E-10	2.07E-08	4.15E-09	6.87E-09	2.28E-10	1.13E-08
4804	741630.91	4110750.47	4.91E-08	8.94E-08	4.91E-09	1.43E-07	7.61E-09	1.47E-08	7.36E-10	2.30E-08	7.40E-09	1.26E-08	9.35E-10	2.09E-08	4.20E-09	6.96E-09	2.31E-10	1.14E-08
4805	741611.47	4110737.05	4.97E-08	9.06E-08	4.98E-09	1.45E-07	7.71E-09	1.49E-08	7.47E-10	2.33E-08	7.50E-09	1.28E-08	9.48E-10	2.12E-08	4.26E-09	7.05E-09	2.34E-10	1.15E-08
4806	741592.04	4110723.62	5.06E-08	9.22E-08	5.06E-09	1.48E-07	7.85E-09	1.51E-08	7.60E-10	2.37E-08	7.63E-09	1.30E-08	9.64E-10	2.16E-08	4.34E-09	7.18E-09	2.38E-10	1.17E-08
4807	741572.61	4110710.2	5.17E-08	9.43E-08	5.18E-09	1.51E-07	8.02E-09	1.55E-08	7.76E-10	2.43E-08	7.80E-09	1.33E-08	9.86E-10	2.21E-08	4.43E-09	7.34E-09	2.43E-10	1.20E-08
4808	741553.18	4110696.78	5.32E-08	9.69E-08	5.32E-09	1.55E-07	8.24E-09	1.59E-08	7.98E-10	2.49E-08	8.02E-09	1.37E-08	1.01E-09	2.27E-08	4.56E-09	7.54E-09	2.50E-10	1.23E-08
4809	741533.74	4110683.36	5.49E-08	1.00E-07	5.49E-09	1.60E-07	8.51E-09	1.64E-08	8.23E-10	2.57E-08	8.27E-09	1.41E-08	1.05E-09	2.34E-08	4.70E-09	7.78E-09	2.58E-10	1.27E-08
4810	741514.31	4110669.93	5.68E-08	1.03E-07	5.68E-09	1.66E-07	8.81E-09	1.70E-08	8.52E-10	2.66E-08	8.56E-09	1.46E-08	1.08E-09	2.42E-08	4.87E-09	8.05E-09	2.67E-10	1.32E-08
4811	741494.88	4110656.51	5.89E-08	1.07E-07	5.89E-09	1.72E-07	9.14E-09	1.76E-08	8.84E-10	2.76E-08	8.88E-09	1.51E-08	1.12E-09	2.52E-08	5.05E-09	8.35E-09	2.77E-10	1.37E-08
4812	741475.44	4110643.09	6.12E-08	1.12E-07	6.13E-09	1.79E-07	9.50E-09	1.83E-08	9.19E-10	2.87E-08	9.24E-09	1.57E-08	1.17E-09	2.61E-08	5.25E-09	8.68E-09	2.88E-10	1.42E-08
4813	741456.01	4110629.67	6.38E-08	1.16E-07	6.38E-09	1.86E-07	9.89E-09	1.90E-08	9.57E-10	2.99E-08	9.61E-09	1.64E-08	1.21E-09	2.72E-08	5.46E-09	9.04E-09	3.00E-10	1.48E-08
4814	741436.58	4110616.24	6.64E-08	1.21E-07	6.64E-09	1.94E-07	1.03E-08	1.98E-08	9.96E-10	3.11E-08	1.00E-08	1.71E-08	1.27E-09	2.83E-08	5.69E-09	9.41E-09	3.12E-10	1.54E-08
4815	741417.14	4110602.82	6.90E-08	1.26E-07	6.91E-09	2.02E-07	1.07E-08	2.06E-08	1.04E-09	3.24E-08	1.04E-08	1.77E-08	1.32E-09	2.95E-08	5.92E-09	9.79E-09	3.24E-10	1.60E-08
4816	741397.71	4110589.4	7.15E-08	1.30E-07	7.16E-09	2.09E-07	1.11E-08	2.14E-08	1.07E-09	3.35E-08	1.08E-08	1.84E-08	1.36E-09	3.05E-08	6.13E-09	1.01E-08	3.36E-10	1.66E-08
4817	741378.28	4110575.98	7.38E-08	1.34E-07	7.38E-09	2.16E-07	1.14E-08	2.20E-08	1.11E-09	3.46E-08	1.11E-08	1.90E-08	1.41E-09	3.15E-08	6.32E-09	1.05E-08	3.47E-10	1.71E-08
4818	741358.85	4110562.55	7.57E-08	1.38E-07	7.57E-09	2.21E-07	1.17E-08	2.26E-08	1.14E-09	3.55E-08	1.14E-08	1.95E-08	1.44E-09	3.23E-08	6.48E-09	1.07E-08	3.56E-10	1.76E-08
4819	742319.55	4110753.94	2.60E-08	4.74E-08	2.60E-09	7.59E-08	4.03E-09	7.76E-09	3.90E-10	1.22E-08	3.92E-09	6.68E-09	4.95E-10	1.11E-08	2.23E-09	3.68E-09	1.22E-10	6.03E-09
4820	742339.66	4110740.45	2.56E-08	4.67E-08	2.57E-09	7.49E-08	3.98E-09	7.66E-09	3.85E-10	1.20E-08	3.87E-09	6.59E-09	4.89E-10	1.09E-08	2.20E-09	3.64E-09	1.21E-10	5.95E-09
4821	742359.77	4110726.96	2.54E-08	4.63E-08	2.54E-09	7.43E-08	3.94E-09	7.59E-09	3.81E-10	1.19E-08	3.83E-09	6.53E-09	4.84E-10	1.09E-08	2.18E-09	3.60E-09	1.19E-10	5.90E-09
4822	742379.88	4110713.46	2.54E-08	4.63E-08	2.54E-09	7.42E-08	3.94E-09	7.58E-09	3.81E-10	1.19E-08	3.83E-09	6.53E-09	4.84E-10	1.08E-08	2.18E-09	3.60E-09	1.19E-10	5.89E-09
4823	742399.99	4110699.97	2.56E-08	4.66E-08	2.56E-09	7.48E-08	3.97E-09	7.65E-09	3.84E-10	1.20E-08	3.86E-09	6.58E-09	4.88E-10	1.09E-08	2.19E-09	3.63E-09	1.20E-10	5.94E-09
4824	742420.1	4110686.48	2.60E-08	4.74E-08	2.61E-09	7.61E-08	4.04E-09	7.78E-09	3.91E-10	1.22E-08	3.93E-09	6.69E-09	4.96E-10	1.11E-08	2.23E-09	3.69E-09	1.22E-10	6.04E-09
4825	742440.21	4110672.99	2.66E-08	4.85E-08	2.66E-09	7.78E-08	4.13E-09	7.95E-09	4.00E-10	1.25E-08	4.02E-09	6.84E-09	5.07E-10	1.14E-08	2.28E-09	3.78E-09	1.25E-10	6.18E-09
4826	742460.32	4110659.49	2.73E-08	4.97E-08	2.73E-09	7.96E-08	4.23E-09	8.14E-09	4.09E-10	1.28E-08	4.11E-09	7.01E-09	5.19E-10	1.16E-08	2.34E-09	3.86E-09	1.28E-10	6.33E-09
4827	742480.43	4110646	2.78E-08	5.07E-08	2.78E-09	8.13E-08	4.31E-09	8.31E-09	4.17E-10	1.30E-08	4.19E-09	7.15E-09	5.30E-10	1.19E-08	2.38E-09	3.94E-09	1.31E-10	6.46E-09
4828	742500.54	4110632.51	2.83E-08	5.15E-08	2.83E-09	8.27E-08	4.39E-09	8.45E-09	4.25E-10	1.33E-08	4.27E-09	7.27E-09	5.39E-10	1.21E-08	2.42E-09	4.01E-09	1.33E-10	6.57E-09
4829	742520.65	4110619.02	2.87E-08	5.23E-08	2.87E-09	8.39E-08	4.45E-09	8.58E-09	4.31E-10	1.35E-08	4.33E-09	7.38E-09	5.47E-10	1.23E-08	2.46E-09	4.07E-09	1.35E-10	6.67E-09
4830	742540.76	4110605.52	2.92E-08	5.31E-08	2.92E-09	8.52E-08	4.52E-09	8.71E-09	4.38E-10	1.37E-08	4.40E-09	7.50E-09	5.56E-10	1.24E-08	2.50E-09	4.13E-09	1.37E-10	6.77E-09
4831	742560.87	4110592.03	2.97E-08	5.41E-08	2.97E-09	8.67E-08	4.60E-09	8.87E-09	4.46E-10	1.39E-08	4.48E-09	7.63E-09	5.66E-10	1.27E-08	2.54E-09	4.21E-09	1.39E-10	6.89E-09
4832	742580.98	4110578.54	3.03E-08	5.52E-08	3.03E-09	8.85E-08	4.70E-09	9.05E-09	4.54E-10	1.42E-08	4.57E-09	7.78E-09	5.77E-10	1.29E-08	2.59E-09	4.29E-09	1.42E-10	7.03E-09
4833	742383.7	4110929.24	1.84E-08	3.35E-08	1.84E-09	5.37E-08	2.85E-09	5.49E-09	2.76E-10	8.61E-09	2.77E-09	4.72E-09	3.50E-10	7.84E-09	1.57E-09	2.60E-09	8.63E-11	4.26E-09
4834	742360.07	4110933.84	1.88E-08	3.43E-08	1.89E-09	5.51E-08	2.92E-09	5.63E-09	2.83E-10	8.84E-09	2.84E-09	4.84E-09	3.59E-10	8.05E-09	1.61E-09	2.67E-09	8.86E-11	4.38E-09
4835	742336.43	4110938.45	1.93E-08	3.53E-08	1.94E-09	5.65E-08	3.00E-09	5.78E-09	2.90E-10	9.07E-09	2.92E-09	4.97E-09	3.69E-10	8.26E-09	1.66E-09	2.74E-09	9.09E-11	4.49E-09
4836	742312.79	4110943.06	1.99E-08	3.62E-08	1.99E-09	5.81E-08	3.08E-09	5.94E-09	2.98E-10	9.32E-09	3.00E-09	5.11E-09	3.79E-10	8.49E-09	1.70E-09	2.82E-09	9.34E-11	4.62E-09
4837	742289.15	4110947.66	2.05E-08	3.73E-08	2.05E-09	5.98E-08	3.17E-09	6.11E-09	3.07E-10	9.59E-09	3.09E-09	5.26E-09	3.90E-10	8.74E-09	1.75E-09	2.90E-09	9.62E-11	4.75E-09
4838	742265.51	4110952.27	2.11E-08	3.84E-08	2.11E-09	6.16E-08	3.27E-09	6.30E-09	3.16E-10	9.89E-09	3.18E-09	5.42E-09	4.02E-10	9.00E-09	1.81E-09	2.99E-09	9.91E-11	4.90E-09
4839	742241.87	4110956.88	2.17E-08	3.96E-08	2.18E-09	6.35E-08	3.37E-09	6.49E-09	3.26E-10	1.02E-08	3.28E-09	5.59E-09	4.14E-10	9.28E-09	1.86E-09	3.08E-09	1.02E-10	5.05E-09
4840	742218.23	4110961.48	2.24E-08	4.08E-08	2.24E-09	6.55E-08	3.48E-09	6.70E-09	3.36E-10	1.05E-08	3.38E-09	5.76E-09	4.27E-10	9.57E-09	1.92E-09	3.18E-09	1.05E-10	5.20E-09
4841	742194.6	4110966.09	2.31E-08	4.21E-08	2.31E-09	6.75E-08	3.58E-09	6.90E-09	3.47E-10	1.08E-08	3.48E-09	5.94E-09	4.40E-10	9.86E-09	1.98E-09	3.27E-09	1.09E-10	5.36E-09
4842	742170.96	4110970.7	2.38E-08	4.33E-08	2.38E-09	6.95E-08	3.69E-09	7.11E-09	3.57E-10	1.12E-08	3.59E-09	6.12E-09	4.53E-10	1.02E-08	2.04E-09	3.37E-09	1.12E-10	5.52E-09
4843	742147.32	4110975.31	2.45E-08	4.46E-08	2.45E-09	7.15E-08	3.80E-09	7.31E-09	3.67E-10	1.15E-08	3.69E-09	6.29E-09	4.67E-10	1.05E-08	2.10E-09	3.47E-09	1.15E-10	5.68E-09
4844	742123.68	4110979.91	2.52E-08	4.59E-08	2.52E-09	7.35E-08	3.90E-09	7.52E-09	3.78E-10	1.18E-08	3.80E-09	6.47E-09	4.80E-10	1.07E-08	2.16E-09	3.57E-09	1.18E-10	5.84E-09
4845	742100.04	4110984.52	2.58E-08	4.70E-08	2.58E-09	7.54E-08	4.00E-09	7.71E-09	3.87E-10	1.21E-08	3.89E-09	6.64E-09	4.92E-10	1.10E-08	2.21E-09	3.66E-09	1.21E-10	5.99E-09
4846	742076.4	4110989.13	2.64E-08	4.81E-08	2.64E-09	7.72E-08	4.10E-09	7.89E-09	3.97E-10	1.24E-08	3.98E-09	6.79E-09	5.04E-10	1.13E-08	2.26E-09	3.75E-09	1.24E-10	6.13E-09
4847	742052.76	4110993.73	2.70E-08	4.92E-08	2.70E-09	7.88E-08	4.18E-09	8.06E-09	4.05E-10	1.26E-08	4.07E-09	6.94E-09	5.14E-10	1.15E-08	2.31E-09	3.83E-09	1.27E-10	6.26E-09
4848	742029.13	4110998.34	2.75E-08	5.01E-08	2.75E-09	8.04E-08	4.26E-09	8.22E-09	4.13E-10	1.29E-08	4.15E-09	7.07E-09	5.24E-10	1.17E-08	2.36E-09	3.90E-09	1.29E-10	6.38E-09
4849	742005.49	4111002.95	2.80E-08	5.10E-08	2.80E-09	8.18E-08	4.34E-09	8.37E-09	4.20E-10	1.31E-08	4.22E-09	7.20E-09	5.34E-10	1.20E-08	2.40E-09	3.97E-09	1.32E-10	6.50E-09
4850	741981.85	4111007.55	2.85E-08	5.19E-08	2.85E-09	8.32E-08	4.42E-09	8.51E-09	4.27E-10	1.34E-08	4.30E-09	7.32E-09	5.43E-10	1.22E-08	2.44E-09	4.04E-09	1.34E-10	6.61E-09
4851	741958.21	4111012.16	2.90E-08	5.28E-08	2.90E-09	8.46E-08	4.49E-09	8.65E-09	4.35E-10	1.36E-08	4.37E-09	7.44E-09	5.52E-10	1.24E-08	2.48E-09	4.11E-09	1.36E-10	6.72E-09
4852	741934.57	4111016.77	2.94E-08	5.36E-08	2.95E-09	8.60E-08	4.56E-09	8.79E-09	4.42E-10	1.38E-08	4.44E-09	7.57E-09	5.61E-10	1.26E-08	2.52E-09	4.17E-09	1.38E-10	6.83E-09
4853	741910.93	4111021.37	2.99E-08	5.45E-08	2.99E-09	8.73E-08	4.64E-09	8.93E-09	4.49E-10	1.40E-08	4.51E-09	7.68E-09	5.70E-10	1.28E-08	2.56E-09	4.24E-09	1.40E-10	6.94E-09
4854	741887.29	4111025.98	3.03E-08	5.52E-08	3.03E-09	8.85E-08	4.70E-09	9.05E-09	4.55E-10	1.42E-08	4.57E-09	7.79E-09	5.77E-10	1.29E-08	2.60E-09	4.30E-09	1.42E-10	7.03E-09
4855	741863.66	4111030.59	3.06E-08	5.58E-08	3.07E-09	8.95E-08	4.75E-09	9.15E-09	4.60E-10	1.44E-08	4.62E-09	7.88E-09	5.84E-10	1.31E-08	2.63E-09	4.34E-09	1.44E-10	7.11E-09
4856	741840.02	4111035.19	3.09E-08	5.63E-08	3.09E-09	9.03E-08	4.79E-09	9.23E-09	4.64E-10	1.45E-08	4.66E-09	7.94E-09	5.89E-10	1.32E-08	2.65E-09	4.38E-09	1.45E-10	7.17E-09
4857	741816.38	4111039.8	3.11E-08	5.66E-08	3.11E-09	9.07E-08	4.82E-09	9.28E-09	4.66E-10	1.46E-08	4.68E-09	7.98E-09	5.92E-10	1.33E-08	2.66E-09	4.40E-09	1.46E-10	7.21E-09
4858	741792.74	4111044.41	3.11E-08	5.67E-08	3.11E-09	9.09E-08	4.82E-09	9.29E-09	4.67E-10	1.46E-08	4.69E-09	8.00E-09	5.93E-10	1.33E-08	2.67E-09	4.41E-09	1.46E-10	7.22E-09
4859	741769.1	4111049.02	3.11E-08	5.66E-08	3.11E-09	9.08E-08	4.82E-09	9.28E-09	4.66E-10	1.46E-08	4.68E-09	7.99E-09	5.92E-10	1.33E-08	2.66E-09	4.40E-09	1.46E-10	7.21E-09
4860	741725.65	4111039.94	3.16E-08	5.76E-08	3.16E-09	9.23E-08	4.90E-09	9.44E-09	4.74E-10	1.48E-08	4.76E-09	8.12E-09	6.02E-10	1.35E-08	2.71E-09	4.48E-09	1.48E-10	7.34E-09
4861	741705.83	4111026.25	3.22E-08	5.86E-08	3.22E-09	9.40E-08	4.99E-09	9.61E-09	4.83E-10	1.51E-08	4.85E-09	8.27E-09	6.13E-10	1.37E-08	2.76E-09	4.56E-09	1.51E-10	7.47E-09
4862	741686.01	4111012.56	3.27E-08	5.96E-08	3.27E-09	9.55E-08	5.07E-09	9.77E-09	4.91E-10	1.53E-08	4.93E-09	8.40E-09	6.23E-10	1.40E-08	2.80E-09	4.64E-09	1.54E-10	7.59E-09
4863	741666.2	4110998.87	3.31E-08	6.04E-08	3.32E-09	9.68E-08	5.14E-09	9.90E-09	4.97E-10	1.55E-08	5.00E-09	8.52E-09	6.31E-10	1.41E-08	2.84E-09	4.70E-09	1.56E-10	7.69E-09
4864	741646.38	4110985.19	3.35E-08	6.10E-08	3.35E-09	9.79E-08	5.20E-09	1.00E-08	5.03E-10	1.57E-08	5.05E-09	8.61E-09	6.38E-10	1.43E-08	2.87E-09	4.75E-09	1.57E-10	7.78E-09
4865	741626.57	4110971.5	3.38E-08	6.16E-08	3.38E-09	9.88E-08	5.24E-09	1.01E-08	5.07E-10	1.58E-08	5.10E-09	8.69E-09	6.44E-10	1.44E-08	2.90E-09	4.79E-09	1.59E-10	7.85E-09
4866	741606.75	4110957.81	3.40E-08	6.20E-08	3.41E-09	9.94E-08	5.28E-09	1.02E-08	5.11E-10	1.60E-08	5.13E-09	8.75E-09	6.48E-10	1.45E-08	2.92E-09	4.83E-09	1.60E-10	7.90E-09
4867	741586.94	4110944.13	3.42E-08	6.24E-08	3.42E-09	1.00E-07	5.31E-09	1.02E-08	5.14E-10	1.60E-08	5.16E-09	8.80E-09	6.52E-10	1.46E-08	2.93E-09	4.85E-09	1.61E-10	7.94E-09
4868	741567.12	4110930.44	3.44E-08	6.27E-08	3.44E-09	1.01E-07	5.33E-09	1.03E-08	5.16E-10	1.61E-08	5.19E-09	8.84E-09	6.55E-10	1.47E-08	2.95E-09	4.88E-09	1.62E-10	7.99E-09
4869	741547.3	4110916.75	3.46E-08	6.30E-08	3.46E-09	1.01E-07	5.37E-09	1.03E-08	5.19E-10	1.62E-08	5.22E-09	8.89E-09	6.59E-10	1.48E-08	2.96E-09	4.91E-09	1.63E-10	8.03E-09
4870	741527.49	4110903.06	3.49E-08	6.36E-08	3.49E-09	1.02E-07	5.41E-09	1.04E-08	5.24E-10	1.64E-08	5.26E-09	8.97E-09	6.65E-10	1.49E-08	2.99E-09	4.95E-09	1.64E-10	8.10E-09
4871	741507.67	4110889.38	3.53E-08	6.43E-08	3.53E-09	1.03E-07	5.48E-09	1.05E-08	5.30E-10	1.66E-08	5.32E-09	9.08E-09	6.73E-10	1.51E-08	3.03E-09	5.01E-09	1.66E-10	8.20E-09
4872	741487.86	4110875.69	3.59E-08	6.55E-08	3.59E-09	1.05E-07	5.57E-09	1.07E-08	5.39E-10	1.68E-08	5.42E-09	9.23E-09	6.85E-10	1.53E-08	3.08E-09	5.09E-09	1.69E-10	8.34E-09
4873	741468.04	4110862	3.67E-08	6.69E-08	3.68E-09	1.07E-07	5.70E-09	1.10E-08	5.51E-10	1.72E-08	5.54E-09	9.44E-09	7.00E-10	1.57E-08	3.15E-09	5.21E-09	1.73E-10	8.53E-09
4874	741448.22	4110848.32	3.77E-08	6.87E-08	3.77E-09	1.10E-07	5.85E-09	1.13E-08	5.66E-10	1.77E-08	5.69E-09	9.70E-09	7.19E-10	1.61E-08	3.23E-09	5.35E-09	1.77E-10	8.76E-09
4875	741428.41	4110834.63	3.89E-08	7.08E-08	3.89E-09	1.14E-07	6.03E-09	1.16E-08	5.83E-10	1.82E-08	5.86E-09	9.99E-09	7.40E-10	1.66E-08	3.33E-09	5.51E-09	1.83E-10	9.02E-09
4876	741408.59	4110820.94	4.01E-08	7.30E-08	4.01E-09	1.17E-07	6.21E-09	1.20E-08	6.01E-10	1.88E-08	6.04E-09	1.03E-08	7.64E-10	1.71E-08	3.43E-09	5.68E-09	1.88E-10	9.30E-09
4877	741388.78	4110807.25	4.13E-08	7.53E-08	4.13E-09	1.21E-07	6.41E-09	1.23E-08	6.20E-10	1.94E-08	6.23E-09	1.06E-08	7.87E-10	1.76E-08	3.54E-09	5.86E-09	1.94E-10	9.59E-09
4878	741368.96	4110793.57	4.26E-08	7.77E-08	4.26E-09	1.25E-07	6.61E-09	1.27E-08	6.40E-10	2.00E-08	6.43E-09	1.10E-08	8.12E-10	1.82E-08	3.65E-09	6.04E-09	2.00E-10	9.90E-09
4879	741349.14	4110779.88	4.40E-08	8.02E-08	4.40E-09	1.29E-07	6.82E-09	1.31E-08	6.60E-10	2.06E-08	6.63E-09	1.13E-08	8.38E-10	1.88E-08	3.77E-09	6.24E-09	2.07E-10	1.02E-08
4880	741329.33	4110766.19	4.54E-08	8.28E-08	4.55E-09	1.33E-07	7.05E-09	1.36E-08	6.82E-10	2.13E-08	6.85E-09	1.17E-08	8.66E-10	1.94E-08	3.89E-09	6.44E-09	2.14E-10	1.06E-08
4881	741309.51	4110752.51	4.70E-08	8.56E-08	4.70E-09	1.37E-07	7.29E-09	1.40E-08	7.05E-10	2.20E-08	7.09E-09	1.21E-08	8.95E-10	2.01E-08	4.03E-09	6.66E-09	2.21E-10	1.09E-08
4882	741289.7	4110738.82	4.86E-08	8.85E-08	4.86E-09	1.42E-07	7.53E-09	1.45E-08	7.29E-10	2.28E-08	7.33E-09	1.25E-08	9.26E-10	2.07E-08	4.16E-09	6.89E-09	2.28E-10	1.13E-08
4883	741269.88	4110725.13	5.02E-08	9.15E-08	5.03E-09	1.47E-07	7.79E-09	1.50E-08	7.54E-10	2.35E-08	7.57E-09	1.29E-08	9.57E-10	2.14E-08	4.30E-09	7.12E-09	2.36E-10	1.17E-08
4884	741250.07	4110711.44	5.18E-08	9.44E-08	5.19E-09	1.51E-07	8.04E-09	1.55E-08	7.78E-10	2.43E-08	7.82E-09	1.33E-08	9.88E-10	2.21E-08	4.44E-09	7.35E-09	2.44E-10	1.20E-08
4885	741230.25	4110697.76	5.33E-08	9.71E-08	5.33E-09	1.56E-07	8.27E-09	1.59E-08	8.00E-10	2.50E-08	8.04E-09	1.37E-08	1.02E-09	2.28E-08	4.57E-09	7.56E-09	2.51E-10	1.24E-08
4886	741210.43	4110684.07	5.46E-08	9.94E-08	5.46E-09	1.59E-07	8.46E-09	1.63E-08	8.19E-10	2.56E-08	8.23E-09	1.40E-08	1.04E-09	2.33E-08	4.67E-09	7.74E-09	2.56E-10	1.27E-08
4887	741190.62	4110670.38	5.55E-08	1.01E-07	5.55E-09	1.62E-07	8.61E-09	1.66E-08	8.33E-10	2.60E-08	8.37E-09	1.43E-08	1.06E-09	2.37E-08	4.75E-09	7.87E-09	2.61E-10	1.29E-08
4888	742430.98	4110920.02	1.74E-08	3.17E-08	1.74E-09	5.08E-08	2.69E-09	5.19E-09	2.61E-10	8.14E-09	2.62E-09	4.47E-09	3.31E-10	7.42E-09	1.49E-09	2.46E-09	8.16E-11	4.03E-09
4889	742451.09	4110906.53	1.71E-08	3.12E-08	1.71E-09	5.01E-08	2.66E-09	5.12E-09	2.57E-10	8.03E-09	2.58E-09	4.41E-09	3.27E-10	7.32E-09	1.47E-09	2.43E-09	8.05E-11	3.98E-09
4890	742471.2	4110893.04	1.69E-08	3.09E-08	1.69E-09	4.95E-08	2.63E-09	5.06E-09	2.54E-10	7.94E-09	2.55E-09	4.35E-09	3.23E-10	7.23E-09	1.45E-09	2.40E-09	7.96E-11	3.93E-09
4891	742491.31	4110879.55	1.68E-08	3.07E-08	1.68E-09	4.92E-08	2.61E-09	5.03E-09	2.53E-10	7.89E-09	2.54E-09	4.33E-09	3.21E-10	7.18E-09	1.44E-09	2.39E-09	7.91E-11	3.91E-09

4892	742511.42	4110866.05	1.69E-08	3.07E-08	1.69E-09	4.93E-08	2.61E-09	5.04E-09	2.53E-10	7.90E-09	2.54E-09	4.33E-09	3.21E-10	7.20E-09	1.44E-09	2.39E-09	7.92E-11	3.91E-09
4893	742531.53	4110852.56	1.71E-08	3.11E-08	1.71E-09	4.98E-08	2.64E-09	5.09E-09	2.56E-10	7.99E-09	2.57E-09	4.38E-09	3.25E-10	7.28E-09	1.46E-09	2.42E-09	8.01E-11	3.96E-09
4894	742551.64	4110839.07	1.74E-08	3.17E-08	1.74E-09	5.09E-08	2.70E-09	5.20E-09	2.61E-10	8.16E-09	2.62E-09	4.47E-09	3.32E-10	7.43E-09	1.49E-09	2.47E-09	8.18E-11	4.04E-09
4895	742571.75	4110825.58	1.79E-08	3.26E-08	1.79E-09	5.22E-08	2.77E-09	5.34E-09	2.68E-10	8.38E-09	2.69E-09	4.59E-09	3.41E-10	7.63E-09	1.53E-09	2.53E-09	8.40E-11	4.15E-09
4896	742591.86	4110812.08	1.84E-08	3.35E-08	1.84E-09	5.37E-08	2.85E-09	5.49E-09	2.76E-10	8.62E-09	2.77E-09	4.73E-09	3.50E-10	7.85E-09	1.58E-09	2.61E-09	8.64E-11	4.27E-09
4897	742611.97	4110798.59	1.89E-08	3.44E-08	1.89E-09	5.52E-08	2.93E-09	5.65E-09	2.84E-10	8.86E-09	2.85E-09	4.86E-09	3.60E-10	8.07E-09	1.62E-09	2.68E-09	8.88E-11	4.39E-09
4898	742632.08	4110785.1	1.94E-08	3.53E-08	1.94E-09	5.66E-08	3.01E-09	5.79E-09	2.91E-10	9.09E-09	2.92E-09	4.98E-09	3.69E-10	8.27E-09	1.66E-09	2.75E-09	9.11E-11	4.50E-09
4899	742652.19	4110771.61	1.98E-08	3.61E-08	1.98E-09	5.79E-08	3.07E-09	5.92E-09	2.97E-10	9.29E-09	2.99E-09	5.09E-09	3.78E-10	8.46E-09	1.70E-09	2.81E-09	9.31E-11	4.60E-09
4900	742672.3	4110758.12	2.02E-08	3.68E-08	2.02E-09	5.91E-08	3.14E-09	6.04E-09	3.03E-10	9.48E-09	3.05E-09	5.20E-09	3.85E-10	8.63E-09	1.73E-09	2.87E-09	9.50E-11	4.69E-09
4901	742692.41	4110744.62	2.06E-08	3.76E-08	2.06E-09	6.03E-08	3.20E-09	6.16E-09	3.10E-10	9.67E-09	3.11E-09	5.30E-09	3.93E-10	8.80E-09	1.77E-09	2.92E-09	9.69E-11	4.79E-09
4902	742519.14	4111090.64	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.86E-09	1.94E-10	6.05E-09	1.95E-09	3.32E-09	2.46E-10	5.51E-09	1.11E-09	1.83E-09	6.07E-11	3.00E-09
4903	742495.86	4111095.18	1.32E-08	2.41E-08	1.32E-09	3.86E-08	2.05E-09	3.95E-09	1.98E-10	6.20E-09	1.99E-09	3.40E-09	2.52E-10	5.65E-09	1.13E-09	1.88E-09	6.21E-11	3.07E-09
4904	742472.59	4111099.71	1.35E-08	2.46E-08	1.35E-09	3.95E-08	2.10E-09	4.04E-09	2.03E-10	6.34E-09	2.04E-09	3.48E-09	2.58E-10	5.77E-09	1.16E-09	1.92E-09	6.36E-11	3.14E-09
4905	742449.32	4111104.25	1.38E-08	2.52E-08	1.38E-09	4.04E-08	2.14E-09	4.13E-09	2.07E-10	6.48E-09	2.08E-09	3.55E-09	2.63E-10	5.90E-09	1.18E-09	1.96E-09	6.49E-11	3.21E-09
4906	742426.04	4111108.78	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.19E-09	4.21E-09	2.12E-10	6.61E-09	2.13E-09	3.62E-09	2.69E-10	6.02E-09	1.21E-09	2.00E-09	6.63E-11	3.27E-09
4907	742402.77	4111113.32	1.44E-08	2.63E-08	1.44E-09	4.21E-08	2.23E-09	4.30E-09	2.16E-10	6.75E-09	2.17E-09	3.70E-09	2.75E-10	6.15E-09	1.23E-09	2.04E-09	6.77E-11	3.34E-09
4908	742379.49	4111117.86	1.47E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.40E-09	2.21E-10	6.91E-09	2.22E-09	3.79E-09	2.81E-10	6.29E-09	1.26E-09	2.09E-09	6.93E-11	3.42E-09
4909	742356.22	4111122.39	1.51E-08	2.76E-08	1.51E-09	4.42E-08	2.35E-09	4.52E-09	2.27E-10	7.09E-09	2.28E-09	3.89E-09	2.88E-10	6.46E-09	1.30E-09	2.14E-09	7.11E-11	3.51E-09
4910	742332.95	4111126.93	1.55E-08	2.83E-08	1.55E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.63E-09	1.33E-09	2.20E-09	7.30E-11	3.61E-09
4911	742309.67	4111131.46	1.60E-08	2.91E-08	1.60E-09	4.67E-08	2.48E-09	4.77E-09	2.40E-10	7.49E-09	2.41E-09	4.11E-09	3.04E-10	6.82E-09	1.37E-09	2.27E-09	7.51E-11	3.71E-09
4912	742286.4	4111136	1.64E-08	2.99E-08	1.64E-09	4.80E-08	2.55E-09	4.91E-09	2.47E-10	7.70E-09	2.48E-09	4.22E-09	3.13E-10	7.02E-09	1.41E-09	2.33E-09	7.72E-11	3.82E-09
4913	742263.13	4111140.54	1.69E-08	3.08E-08	1.69E-09	4.94E-08	2.62E-09	5.05E-09	2.54E-10	7.92E-09	2.55E-09	4.34E-09	3.22E-10	7.21E-09	1.45E-09	2.40E-09	7.94E-11	3.92E-09
4914	742239.85	4111145.07	1.74E-08	3.16E-08	1.74E-09	5.08E-08	2.69E-09	5.19E-09	2.61E-10	8.14E-09	2.62E-09	4.46E-09	3.31E-10	7.41E-09	1.49E-09	2.46E-09	8.16E-11	4.03E-09
4915	742216.58	4111149.61	1.78E-08	3.25E-08	1.78E-09	5.21E-08	2.77E-09	5.33E-09	2.68E-10	8.36E-09	2.69E-09	4.58E-09	3.40E-10	7.61E-09	1.53E-09	2.53E-09	8.38E-11	4.14E-09
4916	742193.3	4111154.14	1.83E-08	3.33E-08	1.83E-09	5.34E-08	2.84E-09	5.46E-09	2.74E-10	8.57E-09	2.76E-09	4.70E-09	3.48E-10	7.81E-09	1.57E-09	2.59E-09	8.59E-11	4.25E-09
4917	742170.03	4111158.68	1.87E-08	3.41E-08	1.87E-09	5.47E-08	2.90E-09	5.59E-09	2.81E-10	8.78E-09	2.82E-09	4.81E-09	3.57E-10	7.99E-09	1.60E-09	2.65E-09	8.80E-11	4.35E-09
4918	742146.76	4111163.21	1.91E-08	3.48E-08	1.91E-09	5.59E-08	2.96E-09	5.71E-09	2.87E-10	8.96E-09	2.88E-09	4.91E-09	3.64E-10	8.16E-09	1.64E-09	2.71E-09	8.98E-11	4.44E-09
4919	742123.48	4111167.75	1.95E-08	3.55E-08	1.95E-09	5.69E-08	3.02E-09	5.82E-09	2.92E-10	9.13E-09	2.94E-09	5.01E-09	3.71E-10	8.32E-09	1.67E-09	2.76E-09	9.15E-11	4.52E-09
4920	742100.21	4111172.29	1.98E-08	3.61E-08	1.98E-09	5.79E-08	3.07E-09	5.92E-09	2.97E-10	9.29E-09	2.99E-09	5.09E-09	3.77E-10	8.46E-09	1.70E-09	2.81E-09	9.31E-11	4.60E-09
4921	742076.93	4111176.82	2.01E-08	3.67E-08	2.01E-09	5.88E-08	3.12E-09	6.01E-09	3.02E-10	9.43E-09	3.03E-09	5.17E-09	3.83E-10	8.59E-09	1.72E-09	2.85E-09	9.46E-11	4.67E-09
4922	742053.66	4111181.36	2.04E-08	3.72E-08	2.04E-09	5.97E-08	3.17E-09	6.10E-09	3.07E-10	9.58E-09	3.08E-09	5.25E-09	3.89E-10	8.72E-09	1.75E-09	2.90E-09	9.60E-11	4.74E-09
4923	742030.39	4111185.89	2.07E-08	3.78E-08	2.08E-09	6.06E-08	3.22E-09	6.20E-09	3.11E-10	9.72E-09	3.13E-09	5.33E-09	3.95E-10	8.85E-09	1.78E-09	2.94E-09	9.75E-11	4.81E-09
4924	742007.11	4111190.43	2.11E-08	3.84E-08	2.11E-09	6.16E-08	3.27E-09	6.29E-09	3.16E-10	9.88E-09	3.18E-09	5.42E-09	4.01E-10	8.99E-09	1.81E-09	2.99E-09	9.90E-11	4.89E-09
4925	741983.84	4111194.96	2.14E-08	3.90E-08	2.14E-09	6.26E-08	3.32E-09	6.40E-09	3.21E-10	1.00E-08	3.23E-09	5.50E-09	4.08E-10	9.14E-09	1.84E-09	3.04E-09	1.01E-10	4.97E-09
4926	741960.57	4111199.5	2.18E-08	3.97E-08	2.18E-09	6.36E-08	3.38E-09	6.50E-09	3.27E-10	1.02E-08	3.28E-09	5.60E-09	4.15E-10	9.29E-09	1.87E-09	3.09E-09	1.02E-10	5.05E-09
4927	741937.29	4111204.04	2.21E-08	4.03E-08	2.21E-09	6.47E-08	3.43E-09	6.61E-09	3.32E-10	1.04E-08	3.34E-09	5.69E-09	4.22E-10	9.45E-09	1.90E-09	3.14E-09	1.04E-10	5.14E-09
4928	741914.02	4111208.57	2.25E-08	4.09E-08	2.25E-09	6.57E-08	3.48E-09	6.71E-09	3.37E-10	1.05E-08	3.39E-09	5.78E-09	4.28E-10	9.59E-09	1.93E-09	3.19E-09	1.06E-10	5.22E-09
4929	741890.74	4111213.11	2.28E-08	4.15E-08	2.28E-09	6.66E-08	3.53E-09	6.81E-09	3.42E-10	1.07E-08	3.44E-09	5.86E-09	4.34E-10	9.73E-09	1.95E-09	3.23E-09	1.07E-10	5.29E-09
4930	741867.47	4111217.64	2.31E-08	4.20E-08	2.31E-09	6.74E-08	3.58E-09	6.89E-09	3.46E-10	1.08E-08	3.48E-09	5.93E-09	4.39E-10	9.84E-09	1.98E-09	3.27E-09	1.08E-10	5.35E-09
4931	741844.2	4111222.18	2.33E-08	4.24E-08	2.33E-09	6.81E-08	3.61E-09	6.96E-09	3.50E-10	1.09E-08	3.51E-09	5.99E-09	4.44E-10	9.94E-09	2.00E-09	3.30E-09	1.09E-10	5.41E-09
4932	741820.92	4111226.71	2.35E-08	4.28E-08	2.35E-09	6.86E-08	3.64E-09	7.01E-09	3.52E-10	1.10E-08	3.54E-09	6.03E-09	4.47E-10	1.00E-08	2.01E-09	3.33E-09	1.10E-10	5.45E-09
4933	741797.65	4111231.25	2.36E-08	4.30E-08	2.36E-09	6.90E-08	3.66E-09	7.05E-09	3.54E-10	1.11E-08	3.56E-09	6.07E-09	4.50E-10	1.01E-08	2.02E-09	3.35E-09	1.11E-10	5.48E-09
4934	741774.38	4111235.79	2.37E-08	4.31E-08	2.37E-09	6.92E-08	3.67E-09	7.07E-09	3.55E-10	1.11E-08	3.57E-09	6.09E-09	4.51E-10	1.01E-08	2.03E-09	3.36E-09	1.11E-10	5.50E-09
4935	741751.1	4111240.32	2.37E-08	4.32E-08	2.37E-09	6.93E-08	3.68E-09	7.08E-09	3.56E-10	1.11E-08	3.58E-09	6.10E-09	4.52E-10	1.01E-08	2.03E-09	3.36E-09	1.11E-10	5.51E-09
4936	741727.83	4111244.86	2.37E-08	4.32E-08	2.37E-09	6.92E-08	3.67E-09	7.08E-09	3.56E-10	1.11E-08	3.57E-09	6.09E-09	4.52E-10	1.01E-08	2.03E-09	3.36E-09	1.11E-10	5.50E-09
4937	741685.04	4111235.92	2.41E-08	4.39E-08	2.41E-09	7.03E-08	3.73E-09	7.19E-09	3.61E-10	1.13E-08	3.63E-09	6.19E-09	4.59E-10	1.03E-08	2.06E-09	3.41E-09	1.13E-10	5.59E-09
4938	741665.53	4111222.44	2.45E-08	4.46E-08	2.45E-09	7.15E-08	3.80E-09	7.31E-09	3.67E-10	1.15E-08	3.69E-09	6.29E-09	4.66E-10	1.04E-08	2.10E-09	3.47E-09	1.15E-10	5.68E-09
4939	741646.02	4111208.97	2.49E-08	4.53E-08	2.49E-09	7.26E-08	3.85E-09	7.42E-09	3.73E-10	1.17E-08	3.75E-09	6.39E-09	4.74E-10	1.06E-08	2.13E-09	3.52E-09	1.17E-10	5.77E-09
4940	741626.51	4111195.49	2.52E-08	4.59E-08	2.52E-09	7.36E-08	3.90E-09	7.52E-09	3.78E-10	1.18E-08	3.80E-09	6.47E-09	4.80E-10	1.07E-08	2.16E-09	3.57E-09	1.18E-10	5.85E-09
4941	741607	4111182.01	2.55E-08	4.64E-08	2.55E-09	7.44E-08	3.95E-09	7.60E-09	3.82E-10	1.19E-08	3.84E-09	6.54E-09	4.85E-10	1.09E-08	2.18E-09	3.61E-09	1.20E-10	5.91E-09
4942	741587.49	4111168.54	2.57E-08	4.68E-08	2.57E-09	7.50E-08	3.98E-09	7.67E-09	3.85E-10	1.20E-08	3.87E-09	6.60E-09	4.89E-10	1.10E-08	2.20E-09	3.64E-09	1.21E-10	5.96E-09
4943	741567.98	4111155.06	2.59E-08	4.71E-08	2.59E-09	7.55E-08	4.01E-09	7.72E-09	3.88E-10	1.21E-08	3.90E-09	6.65E-09	4.93E-10	1.10E-08	2.22E-09	3.67E-09	1.21E-10	6.00E-09
4944	741548.47	4111141.59	2.60E-08	4.73E-08	2.60E-09	7.59E-08	4.03E-09	7.76E-09	3.90E-10	1.22E-08	3.92E-09	6.68E-09	4.95E-10	1.11E-08	2.23E-09	3.68E-09	1.22E-10	6.03E-09
4945	741528.96	4111128.11	2.60E-08	4.74E-08	2.61E-09	7.61E-08	4.04E-09	7.78E-09	3.91E-10	1.22E-08	3.93E-09	6.69E-09	4.96E-10	1.11E-08	2.23E-09	3.69E-09	1.22E-10	6.05E-09
4946	741509.45	4111114.64	2.61E-08	4.75E-08	2.61E-09	7.62E-08	4.04E-09	7.79E-09	3.91E-10	1.22E-08	3.93E-09	6.70E-09	4.97E-10	1.11E-08	2.23E-09	3.70E-09	1.22E-10	6.05E-09
4947	741489.94	4111101.16	2.61E-08	4.75E-08	2.61E-09	7.62E-08	4.04E-09	7.79E-09	3.91E-10	1.22E-08	3.93E-09	6.70E-09	4.97E-10	1.11E-08	2.23E-09	3.70E-09	1.23E-10	6.05E-09
4948	741470.43	4111087.68	2.61E-08	4.75E-08	2.61E-09	7.63E-08	4.05E-09	7.80E-09	3.92E-10	1.22E-08	3.93E-09	6.71E-09	4.97E-10	1.11E-08	2.24E-09	3.70E-09	1.23E-10	6.06E-09
4949	741450.92	4111074.21	2.62E-08	4.77E-08	2.62E-09	7.64E-08	4.06E-09	7.82E-09	3.93E-10	1.23E-08	3.95E-09	6.73E-09	4.99E-10	1.12E-08	2.24E-09	3.71E-09	1.23E-10	6.07E-09
4950	741431.41	4111060.73	2.63E-08	4.80E-08	2.63E-09	7.69E-08	4.08E-09	7.86E-09	3.95E-10	1.23E-08	3.97E-09	6.77E-09	5.01E-10	1.12E-08	2.26E-09	3.73E-09	1.24E-10	6.11E-09
4951	741411.9	4111047.26	2.66E-08	4.85E-08	2.66E-09	7.77E-08	4.12E-09	7.95E-09	3.99E-10	1.25E-08	4.01E-09	6.84E-09	5.07E-10	1.14E-08	2.28E-09	3.77E-09	1.25E-10	6.18E-09
4952	741392.39	4111033.78	2.70E-08	4.92E-08	2.70E-09	7.90E-08	4.19E-09	8.07E-09	4.06E-10	1.27E-08	4.07E-09	6.95E-09	5.15E-10	1.15E-08	2.32E-09	3.83E-09	1.27E-10	6.27E-09
4953	741372.88	4111020.3	2.76E-08	5.03E-08	2.76E-09	8.06E-08	4.28E-09	8.24E-09	4.14E-10	1.29E-08	4.16E-09	7.09E-09	5.26E-10	1.18E-08	2.36E-09	3.91E-09	1.30E-10	6.40E-09
4954	741353.37	4111006.83	2.83E-08	5.15E-08	2.83E-09	8.26E-08	4.38E-09	8.44E-09	4.24E-10	1.33E-08	4.26E-09	7.27E-09	5.39E-10	1.21E-08	2.42E-09	4.01E-09	1.33E-10	6.56E-09
4955	741333.86	4110993.35	2.90E-08	5.29E-08	2.91E-09	8.49E-08	4.50E-09	8.68E-09	4.36E-10	1.36E-08	4.38E-09	7.47E-09	5.53E-10	1.24E-08	2.49E-09	4.12E-09	1.36E-10	6.74E-09
4956	741314.35	4110979.88	2.99E-08	5.44E-08	2.99E-09	8.73E-08	4.63E-09	8.92E-09	4.48E-10	1.40E-08	4.50E-09	7.68E-09	5.69E-10	1.28E-08	2.56E-09	4.24E-09	1.40E-10	6.93E-09
4957	741294.84	4110966.4	3.07E-08	5.59E-08	3.07E-09	8.97E-08	4.76E-09	9.17E-09	4.61E-10	1.44E-08	4.63E-09	7.89E-09	5.85E-10	1.31E-08	2.63E-09	4.35E-09	1.44E-10	7.13E-09
4958	741275.33	4110952.92	3.15E-08	5.74E-08	3.15E-09	9.20E-08	4.88E-09	9.41E-09	4.73E-10	1.48E-08	4.75E-09	8.10E-09	6.00E-10	1.34E-08	2.70E-09	4.47E-09	1.48E-10	7.31E-09
4959	741255.82	4110939.45	3.23E-08	5.88E-08	3.23E-09	9.43E-08	5.01E-09	9.64E-09	4.84E-10	1.51E-08	4.87E-09	8.30E-09	6.15E-10	1.38E-08	2.77E-09	4.58E-09	1.52E-10	7.49E-09
4960	741236.31	4110925.97	3.31E-08	6.02E-08	3.31E-09	9.66E-08	5.13E-09	9.88E-09	4.96E-10	1.55E-08	4.99E-09	8.50E-09	6.30E-10	1.41E-08	2.83E-09	4.69E-09	1.55E-10	7.68E-09
4961	741216.8	4110912.5	3.39E-08	6.17E-08	3.39E-09	9.89E-08	5.25E-09	1.01E-08	5.08E-10	1.59E-08	5.11E-09	8.70E-09	6.45E-10	1.45E-08	2.90E-09	4.80E-09	1.59E-10	7.86E-09
4962	741197.29	4110899.02	3.47E-08	6.33E-08	3.47E-09	1.01E-07	5.38E-09	1.04E-08	5.21E-10	1.63E-08	5.24E-09	8.93E-09	6.62E-10	1.48E-08	2.98E-09	4.92E-09	1.63E-10	8.06E-09
4963	741177.78	4110885.55	3.57E-08	6.50E-08	3.57E-09	1.04E-07	5.53E-09	1.07E-08	5.36E-10	1.67E-08	5.38E-09	9.17E-09	6.80E-10	1.52E-08	3.06E-09	5.06E-09	1.68E-10	8.29E-09
4964	741158.27	4110872.07	3.67E-08	6.69E-08	3.68E-09	1.07E-07	5.70E-09	1.10E-08	5.51E-10	1.72E-08	5.54E-09	9.44E-09	7.00E-10	1.57E-08	3.15E-09	5.21E-09	1.73E-10	8.53E-09
4965	741138.76	4110858.59	3.78E-08	6.90E-08	3.79E-09	1.11E-07	5.87E-09	1.13E-08	5.68E-10	1.77E-08	5.71E-09	9.73E-09	7.21E-10	1.62E-08	3.24E-09	5.37E-09	1.78E-10	8.79E-09
4966	741119.25	4110845.12	3.90E-08	7.10E-08	3.90E-09	1.14E-07	6.04E-09	1.16E-08	5.85E-10	1.83E-08	5.88E-09	1.00E-08	7.42E-10	1.66E-08	3.34E-09	5.52E-09	1.83E-10	9.05E-09
4967	741099.74	4110831.64	4.00E-08	7.30E-08	4.01E-09	1.17E-07	6.21E-09	1.20E-08	6.01E-10	1.88E-08	6.04E-09	1.03E-08	7.63E-10	1.71E-08	3.43E-09	5.68E-09	1.88E-10	9.30E-09
4968	741080.23	4110818.17	4.10E-08	7.47E-08	4.10E-09	1.20E-07	6.36E-09	1.23E-08	6.16E-10	1.92E-08	6.18E-09	1.05E-08	7.81E-10	1.75E-08	3.51E-09	5.81E-09	1.93E-10	9.52E-09
4969	741060.72	4110804.69	4.18E-08	7.62E-08	4.18E-09	1.22E-07	6.48E-09	1.25E-08	6.28E-10	1.96E-08	6.31E-09	1.07E-08	7.97E-10	1.78E-08	3.58E-09	5.93E-09	1.96E-10	9.71E-09
4970	741041.21	4110791.21	4.24E-08	7.73E-08	4.25E-09	1.24E-07	6.58E-09	1.27E-08	6.37E-10	1.99E-08	6.40E-09	1.09E-08	8.09E-10	1.81E-08	3.64E-09	6.02E-09	1.99E-10	9.85E-09
4971	741021.7	4110777.74	4.28E-08	7.81E-08	4.29E-09	1.25E-07	6.64E-09	1.28E-08	6.43E-10	2.01E-08	6.46E-09	1.10E-08	8.16E-10	1.83E-08	3.67E-09	6.07E-09	2.01E-10	9.95E-09
4972	742542.41	4111086.11	1.26E-08	2.29E-08	1.26E-09	3.68E-08	1.95E-09	3.76E-09	1.89E-10	5.90E-09	1.90E-09	3.24E-09	2.40E-10	5.38E-09	1.08E-09	1.79E-09	5.92E-11	2.92E-09
4973	742562.52	4111072.61	1.24E-08	2.27E-08	1.24E-09	3.63E-08	1.93E-09	3.72E-09	1.87E-10	5.83E-09	1.88E-09	3.20E-09	2.37E-10	5.31E-09	1.07E-09	1.76E-09	5.84E-11	2.89E-09
4974	742582.63	4111059.12	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.77E-09	1.86E-09	3.16E-09	2.34E-10	5.25E-09	1.05E-09	1.74E-09	5.78E-11	2.86E-09
4975	742602.74	4111045.63	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.90E-09	3.65E-09	1.84E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.75E-11	2.84E-09
4976	742622.85	4111032.14	1.22E-08	2.23E-08	1.22E-09	3.58E-08	1.90E-09	3.66E-09	1.84E-10	5.74E-09	1.85E-09	3.15E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.75E-11	2.84E-09
4977	742642.96	4111018.64	1.23E-08	2.25E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.78E-09	1.86E-09	3.17E-09	2.35E-10	5.26E-09	1.06E-09	1.75E-09	5.80E-11	2.86E-09
4978	742663.07	4111005.15	1.25E-08	2.28E-08	1.25E-09	3.66E-08	1.94E-09	3.74E-09	1.88E-10	5.87E-09	1.89E-09	3.22E-09	2.39E-10	5.35E-09	1.07E-09	1.78E-09	5.89E-11	2.91E-09
4979	742683.18	4110991.66	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.29E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.97E-09
4980	742703.29	4110978.17	1.32E-08	2.40E-08	1.32E-09	3.85E-08	2.04E-09	3.94E-09	1.98E-10	6.18E-09	1.99E-09	3.39E-09	2.51E-10	5.63E-09	1.13E-09	1.87E-09	6.19E-11	3.06E-09

4981	742723.4	4110964.68	1.36E-08	2.48E-08	1.36E-09	3.97E-08	2.11E-09	4.06E-09	2.04E-10	6.37E-09	2.05E-09	3.49E-09	2.59E-10	5.80E-09	1.16E-09	1.93E-09	6.39E-11	3.16E-09
4982	742743.51	4110951.18	1.40E-08	2.56E-08	1.40E-09	4.10E-08	2.17E-09	4.19E-09	2.10E-10	6.58E-09	2.11E-09	3.61E-09	2.67E-10	5.99E-09	1.20E-09	1.99E-09	6.59E-11	3.26E-09
4983	742763.62	4110937.69	1.45E-08	2.63E-08	1.45E-09	4.22E-08	2.24E-09	4.32E-09	2.17E-10	6.78E-09	2.18E-09	3.72E-09	2.75E-10	6.17E-09	1.24E-09	2.05E-09	6.79E-11	3.36E-09
4984	742783.73	4110924.2	1.48E-08	2.71E-08	1.49E-09	4.34E-08	2.30E-09	4.44E-09	2.23E-10	6.96E-09	2.24E-09	3.82E-09	2.83E-10	6.34E-09	1.27E-09	2.11E-09	6.98E-11	3.45E-09
4985	742803.84	4110910.71	1.52E-08	2.77E-08	1.52E-09	4.45E-08	2.36E-09	4.55E-09	2.28E-10	7.13E-09	2.29E-09	3.91E-09	2.90E-10	6.50E-09	1.30E-09	2.16E-09	7.15E-11	3.53E-09
4986	742630.26	4111256.78	9.92E-09	1.81E-08	9.92E-10	2.90E-08	1.54E-09	2.96E-09	1.49E-10	4.65E-09	1.50E-09	2.55E-09	1.89E-10	4.23E-09	8.50E-10	1.41E-09	4.66E-11	2.30E-09
4987	742606.69	4111261.38	1.01E-08	1.84E-08	1.01E-09	2.96E-08	1.57E-09	3.02E-09	1.52E-10	4.74E-09	1.52E-09	2.60E-09	1.93E-10	4.32E-09	8.66E-10	1.43E-09	4.75E-11	2.35E-09
4988	742583.11	4111265.97	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.40E-09	8.83E-10	1.46E-09	4.84E-11	2.39E-09
4989	742559.54	4111270.57	1.05E-08	1.91E-08	1.05E-09	3.07E-08	1.63E-09	3.13E-09	1.57E-10	4.92E-09	1.58E-09	2.70E-09	2.00E-10	4.48E-09	8.99E-10	1.49E-09	4.93E-11	2.44E-09
4990	742535.96	4111275.16	1.07E-08	1.95E-08	1.07E-09	3.12E-08	1.66E-09	3.19E-09	1.60E-10	5.01E-09	1.61E-09	2.74E-09	2.03E-10	4.56E-09	9.15E-10	1.51E-09	5.02E-11	2.48E-09
4991	742512.38	4111279.76	1.09E-08	1.98E-08	1.09E-09	3.18E-08	1.69E-09	3.25E-09	1.63E-10	5.10E-09	1.64E-09	2.79E-09	2.07E-10	4.64E-09	9.31E-10	1.54E-09	5.11E-11	2.52E-09
4992	742488.81	4111284.35	1.11E-08	2.02E-08	1.11E-09	3.24E-08	1.72E-09	3.31E-09	1.66E-10	5.19E-09	1.67E-09	2.85E-09	2.11E-10	4.73E-09	9.49E-10	1.57E-09	5.20E-11	2.57E-09
4993	742465.23	4111288.95	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.38E-09	1.70E-10	5.30E-09	1.70E-09	2.91E-09	2.15E-10	4.83E-09	9.68E-10	1.60E-09	5.31E-11	2.62E-09
4994	742441.66	4111293.54	1.16E-08	2.11E-08	1.16E-09	3.38E-08	1.79E-09	3.45E-09	1.74E-10	5.42E-09	1.74E-09	2.97E-09	2.20E-10	4.94E-09	9.91E-10	1.64E-09	5.43E-11	2.68E-09
4995	742418.08	4111298.14	1.19E-08	2.16E-08	1.19E-09	3.46E-08	1.84E-09	3.54E-09	1.78E-10	5.56E-09	1.79E-09	3.05E-09	2.26E-10	5.06E-09	1.02E-09	1.68E-09	5.57E-11	2.75E-09
4996	742394.5	4111302.73	1.22E-08	2.22E-08	1.22E-09	3.56E-08	1.89E-09	3.64E-09	1.83E-10	5.71E-09	1.84E-09	3.13E-09	2.32E-10	5.20E-09	1.04E-09	1.73E-09	5.72E-11	2.83E-09
4997	742370.93	4111307.32	1.25E-08	2.28E-08	1.25E-09	3.66E-08	1.94E-09	3.74E-09	1.88E-10	5.87E-09	1.89E-09	3.22E-09	2.38E-10	5.34E-09	1.07E-09	1.77E-09	5.88E-11	2.91E-09
4998	742347.35	4111311.92	1.29E-08	2.34E-08	1.29E-09	3.76E-08	2.00E-09	3.84E-09	1.93E-10	6.03E-09	1.94E-09	3.31E-09	2.45E-10	5.49E-09	1.10E-09	1.82E-09	6.05E-11	2.99E-09
4999	742323.78	4111316.51	1.32E-08	2.41E-08	1.32E-09	3.86E-08	2.05E-09	3.95E-09	1.98E-10	6.20E-09	1.99E-09	3.40E-09	2.52E-10	5.64E-09	1.13E-09	1.87E-09	6.21E-11	3.07E-09
5000	742300.2	4111321.11	1.36E-08	2.47E-08	1.36E-09	3.96E-08	2.10E-09	4.05E-09	2.04E-10	6.36E-09	2.05E-09	3.49E-09	2.59E-10	5.79E-09	1.16E-09	1.92E-09	6.38E-11	3.15E-09
5001	742276.62	4111325.7	1.39E-08	2.53E-08	1.39E-09	4.07E-08	2.16E-09	4.16E-09	2.09E-10	6.52E-09	2.10E-09	3.58E-09	2.65E-10	5.94E-09	1.19E-09	1.97E-09	6.54E-11	3.23E-09
5002	742253.05	4111330.3	1.42E-08	2.60E-08	1.43E-09	4.16E-08	2.21E-09	4.26E-09	2.14E-10	6.68E-09	2.15E-09	3.66E-09	2.71E-10	6.08E-09	1.22E-09	2.02E-09	6.69E-11	3.31E-09
5003	742229.47	4111334.89	1.46E-08	2.65E-08	1.46E-09	4.25E-08	2.26E-09	4.35E-09	2.18E-10	6.82E-09	2.19E-09	3.74E-09	2.77E-10	6.21E-09	1.25E-09	2.06E-09	6.84E-11	3.38E-09
5004	742205.9	4111339.49	1.48E-08	2.70E-08	1.49E-09	4.34E-08	2.30E-09	4.43E-09	2.23E-10	6.96E-09	2.24E-09	3.82E-09	2.83E-10	6.34E-09	1.27E-09	2.10E-09	6.97E-11	3.45E-09
5005	742182.32	4111344.08	1.51E-08	2.75E-08	1.51E-09	4.41E-08	2.34E-09	4.51E-09	2.27E-10	7.08E-09	2.28E-09	3.88E-09	2.88E-10	6.44E-09	1.29E-09	2.14E-09	7.09E-11	3.50E-09
5006	742158.74	4111348.68	1.53E-08	2.79E-08	1.53E-09	4.48E-08	2.38E-09	4.58E-09	2.30E-10	7.18E-09	2.31E-09	3.94E-09	2.92E-10	6.54E-09	1.31E-09	2.17E-09	7.20E-11	3.56E-09
5007	742135.17	4111353.27	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.41E-09	4.64E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.96E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
5008	742111.59	4111357.87	1.57E-08	2.86E-08	1.57E-09	4.59E-08	2.43E-09	4.69E-09	2.36E-10	7.36E-09	2.37E-09	4.04E-09	2.99E-10	6.70E-09	1.35E-09	2.23E-09	7.38E-11	3.64E-09
5009	742088.01	4111362.46	1.59E-08	2.89E-08	1.59E-09	4.64E-08	2.46E-09	4.74E-09	2.38E-10	7.44E-09	2.39E-09	4.08E-09	3.03E-10	6.78E-09	1.36E-09	2.25E-09	7.46E-11	3.69E-09
5010	742064.44	4111367.06	1.61E-08	2.93E-08	1.61E-09	4.69E-08	2.49E-09	4.80E-09	2.41E-10	7.53E-09	2.42E-09	4.13E-09	3.06E-10	6.86E-09	1.38E-09	2.28E-09	7.55E-11	3.73E-09
5011	742040.86	4111371.65	1.63E-08	2.97E-08	1.63E-09	4.76E-08	2.52E-09	4.86E-09	2.44E-10	7.63E-09	2.45E-09	4.18E-09	3.10E-10	6.95E-09	1.39E-09	2.31E-09	7.65E-11	3.78E-09
5012	742017.29	4111376.25	1.65E-08	3.01E-08	1.65E-09	4.83E-08	2.56E-09	4.93E-09	2.48E-10	7.74E-09	2.49E-09	4.24E-09	3.15E-10	7.05E-09	1.41E-09	2.34E-09	7.76E-11	3.83E-09
5013	741993.71	4111380.84	1.68E-08	3.06E-08	1.68E-09	4.90E-08	2.60E-09	5.01E-09	2.52E-10	7.86E-09	2.53E-09	4.31E-09	3.20E-10	7.16E-09	1.44E-09	2.38E-09	7.88E-11	3.89E-09
5014	741970.13	4111385.43	1.71E-08	3.11E-08	1.71E-09	4.98E-08	2.64E-09	5.09E-09	2.56E-10	8.00E-09	2.57E-09	4.38E-09	3.25E-10	7.28E-09	1.46E-09	2.42E-09	8.01E-11	3.96E-09
5015	741946.56	4111390.03	1.73E-08	3.16E-08	1.74E-09	5.07E-08	2.69E-09	5.18E-09	2.60E-10	8.13E-09	2.61E-09	4.46E-09	3.30E-10	7.40E-09	1.49E-09	2.46E-09	8.15E-11	4.03E-09
5016	741922.98	4111394.62	1.76E-08	3.21E-08	1.76E-09	5.15E-08	2.73E-09	5.26E-09	2.64E-10	8.26E-09	2.66E-09	4.53E-09	3.36E-10	7.52E-09	1.51E-09	2.50E-09	8.28E-11	4.09E-09
5017	741899.41	4111399.22	1.79E-08	3.26E-08	1.79E-09	5.22E-08	2.77E-09	5.34E-09	2.68E-10	8.38E-09	2.70E-09	4.60E-09	3.41E-10	7.63E-09	1.53E-09	2.53E-09	8.40E-11	4.15E-09
5018	741875.83	4111403.81	1.81E-08	3.30E-08	1.81E-09	5.29E-08	2.81E-09	5.41E-09	2.72E-10	8.49E-09	2.73E-09	4.66E-09	3.45E-10	7.74E-09	1.55E-09	2.57E-09	8.51E-11	4.21E-09
5019	741852.25	4111408.41	1.83E-08	3.34E-08	1.83E-09	5.36E-08	2.84E-09	5.48E-09	2.75E-10	8.59E-09	2.76E-09	4.71E-09	3.49E-10	7.82E-09	1.57E-09	2.60E-09	8.61E-11	4.26E-09
5020	741828.68	4111413	1.85E-08	3.37E-08	1.85E-09	5.41E-08	2.87E-09	5.53E-09	2.78E-10	8.68E-09	2.79E-09	4.76E-09	3.53E-10	7.90E-09	1.59E-09	2.62E-09	8.70E-11	4.30E-09
5021	741805.1	4111417.6	1.86E-08	3.40E-08	1.87E-09	5.45E-08	2.89E-09	5.57E-09	2.80E-10	8.74E-09	2.81E-09	4.79E-09	3.55E-10	7.96E-09	1.60E-09	2.64E-09	8.76E-11	4.33E-09
5022	741781.53	4111422.19	1.87E-08	3.42E-08	1.88E-09	5.48E-08	2.91E-09	5.60E-09	2.81E-10	8.79E-09	2.83E-09	4.82E-09	3.57E-10	8.00E-09	1.61E-09	2.66E-09	8.81E-11	4.35E-09
5023	741757.95	4111426.79	1.88E-08	3.43E-08	1.88E-09	5.50E-08	2.92E-09	5.62E-09	2.82E-10	8.82E-09	2.84E-09	4.84E-09	3.59E-10	8.04E-09	1.61E-09	2.67E-09	8.85E-11	4.37E-09
5024	741734.37	4111431.38	1.89E-08	3.44E-08	1.89E-09	5.51E-08	2.93E-09	5.64E-09	2.83E-10	8.85E-09	2.85E-09	4.85E-09	3.60E-10	8.06E-09	1.62E-09	2.68E-09	8.87E-11	4.38E-09
5025	741710.8	4111435.98	1.89E-08	3.44E-08	1.89E-09	5.52E-08	2.93E-09	5.64E-09	2.83E-10	8.85E-09	2.85E-09	4.85E-09	3.60E-10	8.06E-09	1.62E-09	2.68E-09	8.88E-11	4.38E-09
5026	741687.22	4111440.57	1.89E-08	3.44E-08	1.89E-09	5.52E-08	2.93E-09	5.64E-09	2.83E-10	8.85E-09	2.85E-09	4.85E-09	3.60E-10	8.06E-09	1.62E-09	2.68E-09	8.87E-11	4.38E-09
5027	741643.88	4111431.51	1.92E-08	3.49E-08	1.92E-09	5.60E-08	2.97E-09	5.72E-09	2.87E-10	8.98E-09	2.89E-09	4.92E-09	3.65E-10	8.18E-09	1.64E-09	2.72E-09	9.00E-11	4.45E-09
5028	741624.12	4111417.86	1.94E-08	3.54E-08	1.95E-09	5.68E-08	3.02E-09	5.81E-09	2.92E-10	9.12E-09	2.93E-09	5.00E-09	3.71E-10	8.30E-09	1.67E-09	2.76E-09	9.14E-11	4.52E-09
5029	741604.36	4111404.21	1.97E-08	3.59E-08	1.97E-09	5.77E-08	3.06E-09	5.89E-09	2.96E-10	9.25E-09	2.97E-09	5.07E-09	3.76E-10	8.42E-09	1.69E-09	2.80E-09	9.27E-11	4.58E-09
5030	741584.59	4111390.56	2.00E-08	3.64E-08	2.00E-09	5.84E-08	3.10E-09	5.97E-09	3.00E-10	9.37E-09	3.01E-09	5.14E-09	3.81E-10	8.53E-09	1.71E-09	2.83E-09	9.39E-11	4.64E-09
5031	741564.83	4111376.91	2.02E-08	3.68E-08	2.02E-09	5.91E-08	3.14E-09	6.04E-09	3.04E-10	9.48E-09	3.05E-09	5.20E-09	3.85E-10	8.63E-09	1.73E-09	2.87E-09	9.50E-11	4.70E-09
5032	741545.07	4111363.26	2.04E-08	3.72E-08	2.04E-09	5.97E-08	3.17E-09	6.10E-09	3.07E-10	9.58E-09	3.08E-09	5.25E-09	3.89E-10	8.72E-09	1.75E-09	2.90E-09	9.60E-11	4.74E-09
5033	741525.3	4111349.61	2.06E-08	3.75E-08	2.06E-09	6.02E-08	3.19E-09	6.15E-09	3.09E-10	9.66E-09	3.11E-09	5.30E-09	3.93E-10	8.80E-09	1.77E-09	2.92E-09	9.68E-11	4.78E-09
5034	741505.54	4111335.96	2.07E-08	3.78E-08	2.07E-09	6.06E-08	3.22E-09	6.19E-09	3.11E-10	9.72E-09	3.13E-09	5.33E-09	3.95E-10	8.85E-09	1.78E-09	2.94E-09	9.74E-11	4.81E-09
5035	741485.77	4111322.31	2.08E-08	3.79E-08	2.08E-09	6.08E-08	3.23E-09	6.22E-09	3.12E-10	9.76E-09	3.14E-09	5.35E-09	3.97E-10	8.89E-09	1.78E-09	2.95E-09	9.78E-11	4.83E-09
5036	741466.01	4111308.66	2.09E-08	3.80E-08	2.09E-09	6.09E-08	3.23E-09	6.23E-09	3.13E-10	9.78E-09	3.14E-09	5.36E-09	3.97E-10	8.90E-09	1.79E-09	2.96E-09	9.80E-11	4.84E-09
5037	741446.25	4111295.01	2.08E-08	3.80E-08	2.09E-09	6.09E-08	3.23E-09	6.23E-09	3.13E-10	9.77E-09	3.14E-09	5.36E-09	3.97E-10	8.90E-09	1.79E-09	2.96E-09	9.80E-11	4.84E-09
5038	741426.48	4111281.35	2.08E-08	3.79E-08	2.08E-09	6.08E-08	3.23E-09	6.22E-09	3.12E-10	9.75E-09	3.14E-09	5.35E-09	3.96E-10	8.88E-09	1.78E-09	2.95E-09	9.78E-11	4.83E-09
5039	741406.72	4111267.7	2.07E-08	3.78E-08	2.08E-09	6.06E-08	3.22E-09	6.20E-09	3.11E-10	9.72E-09	3.13E-09	5.33E-09	3.95E-10	8.85E-09	1.78E-09	2.94E-09	9.75E-11	4.82E-09
5040	741386.96	4111254.05	2.07E-08	3.77E-08	2.07E-09	6.04E-08	3.21E-09	6.18E-09	3.10E-10	9.70E-09	3.12E-09	5.32E-09	3.94E-10	8.83E-09	1.77E-09	2.93E-09	9.72E-11	4.80E-09
5041	741367.19	4111240.4	2.07E-08	3.76E-08	2.07E-09	6.04E-08	3.20E-09	6.17E-09	3.10E-10	9.69E-09	3.12E-09	5.31E-09	3.94E-10	8.82E-09	1.77E-09	2.93E-09	9.71E-11	4.80E-09
5042	741347.43	4111226.75	2.07E-08	3.77E-08	2.07E-09	6.05E-08	3.21E-09	6.19E-09	3.11E-10	9.71E-09	3.12E-09	5.32E-09	3.95E-10	8.84E-09	1.77E-09	2.94E-09	9.73E-11	4.81E-09
5043	741327.67	4111213.1	2.08E-08	3.80E-08	2.08E-09	6.09E-08	3.23E-09	6.22E-09	3.13E-10	9.77E-09	3.14E-09	5.36E-09	3.97E-10	8.89E-09	1.79E-09	2.95E-09	9.79E-11	4.84E-09
5044	741307.9	4111199.45	2.11E-08	3.84E-08	2.11E-09	6.16E-08	3.27E-09	6.30E-09	3.17E-10	9.89E-09	3.18E-09	5.42E-09	4.02E-10	9.00E-09	1.81E-09	2.99E-09	9.91E-11	4.90E-09
5045	741288.14	4111185.8	2.15E-08	3.91E-08	2.15E-09	6.27E-08	3.33E-09	6.41E-09	3.22E-10	1.01E-08	3.24E-09	5.52E-09	4.09E-10	9.17E-09	1.84E-09	3.04E-09	1.01E-10	4.99E-09
5046	741268.38	4111172.15	2.20E-08	4.00E-08	2.20E-09	6.42E-08	3.41E-09	6.56E-09	3.30E-10	1.03E-08	3.31E-09	5.65E-09	4.18E-10	9.38E-09	1.88E-09	3.11E-09	1.03E-10	5.10E-09
5047	741248.61	4111158.5	2.25E-08	4.11E-08	2.26E-09	6.59E-08	3.49E-09	6.73E-09	3.38E-10	1.06E-08	3.40E-09	5.79E-09	4.29E-10	9.62E-09	1.93E-09	3.20E-09	1.06E-10	5.23E-09
5048	741228.85	4111144.85	2.32E-08	4.22E-08	2.32E-09	6.77E-08	3.59E-09	6.92E-09	3.48E-10	1.09E-08	3.49E-09	5.95E-09	4.41E-10	9.89E-09	1.98E-09	3.28E-09	1.09E-10	5.38E-09
5049	741209.09	4111131.2	2.38E-08	4.34E-08	2.38E-09	6.95E-08	3.69E-09	7.11E-09	3.57E-10	1.12E-08	3.59E-09	6.12E-09	4.53E-10	1.02E-08	2.04E-09	3.37E-09	1.12E-10	5.52E-09
5050	741189.32	4111117.54	2.44E-08	4.45E-08	2.44E-09	7.13E-08	3.79E-09	7.29E-09	3.66E-10	1.14E-08	3.68E-09	6.27E-09	4.65E-10	1.04E-08	2.09E-09	3.46E-09	1.15E-10	5.67E-09
5051	741169.56	4111103.89	2.50E-08	4.55E-08	2.50E-09	7.30E-08	3.87E-09	7.46E-09	3.75E-10	1.17E-08	3.77E-09	6.42E-09	4.76E-10	1.07E-08	2.14E-09	3.54E-09	1.17E-10	5.80E-09
5052	741149.8	4111090.24	2.55E-08	4.64E-08	2.55E-09	7.44E-08	3.95E-09	7.61E-09	3.82E-10	1.19E-08	3.84E-09	6.55E-09	4.85E-10	1.09E-08	2.18E-09	3.61E-09	1.20E-10	5.91E-09
5053	741130.03	4111076.59	2.60E-08	4.73E-08	2.60E-09	7.58E-08	4.02E-09	7.75E-09	3.89E-10	1.22E-08	3.91E-09	6.67E-09	4.94E-10	1.11E-08	2.22E-09	3.68E-09	1.22E-10	6.03E-09
5054	741110.27	4111062.94	2.64E-08	4.82E-08	2.64E-09	7.72E-08	4.10E-09	7.90E-09	3.97E-10	1.24E-08	3.99E-09	6.79E-09	5.04E-10	1.13E-08	2.26E-09	3.75E-09	1.24E-10	6.14E-09
5055	741090.51	4111049.29	2.69E-08	4.91E-08	2.70E-09	7.87E-08	4.18E-09	8.05E-09	4.04E-10	1.26E-08	4.06E-09	6.92E-09	5.13E-10	1.15E-08	2.31E-09	3.82E-09	1.27E-10	6.25E-09
5056	741070.74	4111035.64	2.75E-08	5.01E-08	2.75E-09	8.04E-08	4.26E-09	8.22E-09	4.13E-10	1.29E-08	4.15E-09	7.07E-09	5.24E-10	1.17E-08	2.36E-09	3.90E-09	1.29E-10	6.39E-09
5057	741050.98	4111021.99	2.81E-08	5.13E-08	2.82E-09	8.23E-08	4.37E-09	8.41E-09	4.22E-10	1.32E-08	4.24E-09	7.24E-09	5.36E-10	1.20E-08	2.41E-09	3.99E-09	1.32E-10	6.54E-09
5058	741031.22	4111008.34	2.89E-08	5.26E-08	2.89E-09	8.43E-08	4.48E-09	8.62E-09	4.33E-10	1.35E-08	4.35E-09	7.42E-09	5.50E-10	1.23E-08	2.47E-09	4.09E-09	1.36E-10	6.70E-09
5059	741011.45	4110994.69	2.97E-08	5.40E-08	2.97E-09	8.66E-08	4.60E-09	8.86E-09	4.45E-10	1.39E-08	4.47E-09	7.62E-09	5.65E-10	1.27E-08	2.54E-09	4.20E-09	1.39E-10	6.88E-09
5060	740991.69	4110981.04	3.05E-08	5.55E-08	3.05E-09	8.91E-08	4.73E-09	9.11E-09	4.58E-10	1.43E-08	4.60E-09	7.84E-09	5.81E-10	1.30E-08	2.61E-09	4.32E-09	1.43E-10	7.08E-09
5061	740971.92	4110967.38	3.13E-08	5.71E-08	3.13E-09	9.15E-08	4.86E-09	9.35E-09	4.70E-10	1.47E-08	4.72E-09	8.05E-09	5.97E-10	1.34E-08	2.68E-09	4.44E-09	1.47E-10	7.27E-09
5062	740952.16	4110953.73	3.21E-08	5.85E-08	3.21E-09	9.38E-08	4.98E-09	9.59E-09	4.82E-10	1.50E-08	4.84E-09	8.25E-09	6.12E-10	1.37E-08	2.75E-09	4.55E-09	1.51E-10	7.45E-09
5063	740932.4	4110940.08	3.28E-08	5.98E-08	3.28E-09	9.59E-08	5.09E-09	9.80E-09	4.92E-10	1.54E-08	4.95E-09	8.43E-09	6.25E-10	1.40E-08	2.81E-09	4.65E-09	1.54E-10	7.62E-09
5064	740912.63	4110926.43	3.34E-08	6.08E-08	3.34E-09	9.76E-08	5.18E-09	9.98E-09	5.01E-10	1.57E-08	5.04E-09	8.58E-09	6.36E-10	1.43E-08	2.86E-09	4.73E-09	1.57E-10	7.75E-09
5065	740892.87	4110912.78	3.38E-08	6.17E-08	3.39E-09	9.89E-08	5.25E-09	1.01E-08	5.08E-10	1.59E-08	5.10E-09	8.70E-09	6.45E-10	1.44E-08	2.90E-09	4.80E-09	1.59E-10	7.86E-09
5066	740873.11	4110899.13	3.41E-08	6.22E-08	3.41E-09	9.97E-08	5.29E-09	1.02E-08	5.12E-10	1.60E-08	5.15E-09	8.77E-09	6.50E-10	1.46E-08	2.92E-09	4.84E-09	1.60E-10	7.92E-09
5067	740853.34	4110885.48	3.43E-08	6.24E-08	3.43E-09	1.00E-07	5.31E-09	1.02E-08	5.14E-10	1.61E-08	5.17E-09	8.81E-09	6.53E-10	1.46E-08	2.94E-09	4.86E-09	1.61E-10	7.96E-09
5068	742653.84	4111252.19	9.73E-09	1.77E-08	9.73E-10	2.84E-08	1.51E-09	2.91E-09	1.46E-10	4.56E-09	1.47E-09	2.50E-09	1.85E-10	4.15E-09	8.34E-10	1.38E-09	4.57E-11	2.26E-09
5069	742673.95	4111238.7	9.64E-09	1.76E-08	9.65E-10	2.82E-08	1.50E-09	2.88E-09	1.45E-10	4.52E-09	1.45E-09	2.48E-09	1.84E-10	4.12E-09	8.26E-10	1.37E-09	4.53E-11	2.24E-09

5070	742694.06	4111225.2	9.56E-09	1.74E-08	9.57E-10	2.79E-08	1.48E-09	2.86E-09	1.44E-10	4.48E-09	1.44E-09	2.46E-09	1.82E-10	4.08E-09	8.20E-10	1.36E-09	4.49E-11	2.22E-09
5071	742714.17	4111211.71	9.51E-09	1.73E-08	9.52E-10	2.78E-08	1.47E-09	2.84E-09	1.43E-10	4.46E-09	1.43E-09	2.44E-09	1.81E-10	4.06E-09	8.15E-10	1.35E-09	4.47E-11	2.21E-09
5072	742734.28	4111198.22	9.49E-09	1.73E-08	9.49E-10	2.77E-08	1.47E-09	2.83E-09	1.42E-10	4.45E-09	1.43E-09	2.44E-09	1.81E-10	4.05E-09	8.13E-10	1.35E-09	4.46E-11	2.20E-09
5073	742754.39	4111184.73	9.51E-09	1.73E-08	9.52E-10	2.78E-08	1.48E-09	2.84E-09	1.43E-10	4.46E-09	1.43E-09	2.45E-09	1.81E-10	4.06E-09	8.15E-10	1.35E-09	4.47E-11	2.21E-09
5074	742774.5	4111171.23	9.60E-09	1.75E-08	9.60E-10	2.80E-08	1.49E-09	2.87E-09	1.44E-10	4.50E-09	1.45E-09	2.47E-09	1.83E-10	4.10E-09	8.22E-10	1.36E-09	4.51E-11	2.23E-09
5075	742794.61	4111157.74	9.75E-09	1.78E-08	9.75E-10	2.85E-08	1.51E-09	2.91E-09	1.46E-10	4.57E-09	1.47E-09	2.51E-09	1.86E-10	4.16E-09	8.35E-10	1.38E-09	4.58E-11	2.26E-09
5076	742814.72	4111144.25	9.97E-09	1.82E-08	9.98E-10	2.91E-08	1.55E-09	2.98E-09	1.50E-10	4.68E-09	1.50E-09	2.56E-09	1.90E-10	4.26E-09	8.55E-10	1.41E-09	4.69E-11	2.32E-09
5077	742834.83	4111130.76	1.03E-08	1.87E-08	1.03E-09	3.00E-08	1.59E-09	3.07E-09	1.54E-10	4.81E-09	1.55E-09	2.64E-09	1.96E-10	4.38E-09	8.80E-10	1.46E-09	4.82E-11	2.38E-09
5078	742854.94	4111117.27	1.06E-08	1.93E-08	1.06E-09	3.10E-08	1.65E-09	3.17E-09	1.59E-10	4.97E-09	1.60E-09	2.73E-09	2.02E-10	4.53E-09	9.09E-10	1.50E-09	4.99E-11	2.46E-09
5079	742875.05	4111103.77	1.10E-08	2.00E-08	1.10E-09	3.21E-08	1.70E-09	3.28E-09	1.65E-10	5.15E-09	1.66E-09	2.82E-09	2.09E-10	4.69E-09	9.41E-10	1.56E-09	5.16E-11	2.55E-09
5080	742895.16	4111090.28	1.14E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.39E-09	1.71E-10	5.33E-09	1.71E-09	2.92E-09	2.16E-10	4.85E-09	9.74E-10	1.61E-09	5.34E-11	2.64E-09
5081	742915.27	4111076.79	1.17E-08	2.14E-08	1.17E-09	3.43E-08	1.82E-09	3.50E-09	1.76E-10	5.50E-09	1.77E-09	3.01E-09	2.23E-10	5.01E-09	1.00E-09	1.66E-09	5.51E-11	2.72E-09
5082	742741.95	4111422.82	8.01E-09	1.46E-08	8.02E-10	2.34E-08	1.24E-09	2.39E-09	1.20E-10	3.76E-09	1.21E-09	2.06E-09	1.53E-10	3.42E-09	6.87E-10	1.14E-09	3.77E-11	1.86E-09
5083	742718.64	4111427.36	8.13E-09	1.48E-08	8.13E-10	2.37E-08	1.26E-09	2.43E-09	1.22E-10	3.81E-09	1.23E-09	2.09E-09	1.55E-10	3.47E-09	6.96E-10	1.15E-09	3.82E-11	1.89E-09
5084	742695.32	4111431.9	8.24E-09	1.50E-08	8.24E-10	2.41E-08	1.28E-09	2.46E-09	1.24E-10	3.86E-09	1.24E-09	2.12E-09	1.57E-10	3.52E-09	7.06E-10	1.17E-09	3.87E-11	1.91E-09
5085	742672	4111436.45	8.34E-09	1.52E-08	8.35E-10	2.44E-08	1.29E-09	2.49E-09	1.25E-10	3.91E-09	1.26E-09	2.14E-09	1.59E-10	3.56E-09	7.15E-10	1.18E-09	3.92E-11	1.94E-09
5086	742648.68	4111440.99	8.45E-09	1.54E-08	8.45E-10	2.47E-08	1.31E-09	2.52E-09	1.27E-10	3.96E-09	1.27E-09	2.17E-09	1.61E-10	3.61E-09	7.24E-10	1.20E-09	3.97E-11	1.96E-09
5087	742625.37	4111445.54	8.55E-09	1.56E-08	8.56E-10	2.50E-08	1.33E-09	2.56E-09	1.28E-10	4.01E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.33E-10	1.21E-09	4.02E-11	1.99E-09
5088	742602.05	4111450.08	8.68E-09	1.58E-08	8.68E-10	2.54E-08	1.35E-09	2.59E-09	1.30E-10	4.07E-09	1.31E-09	2.23E-09	1.65E-10	3.70E-09	7.43E-10	1.23E-09	4.08E-11	2.01E-09
5089	742578.73	4111454.63	8.81E-09	1.61E-08	8.81E-10	2.57E-08	1.37E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.26E-09	1.68E-10	3.76E-09	7.55E-10	1.25E-09	4.14E-11	2.05E-09
5090	742555.42	4111459.17	8.96E-09	1.63E-08	8.97E-10	2.62E-08	1.39E-09	2.68E-09	1.35E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.83E-09	7.68E-10	1.27E-09	4.21E-11	2.08E-09
5091	742532.1	4111463.71	9.14E-09	1.67E-08	9.14E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.28E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.83E-10	1.30E-09	4.29E-11	2.12E-09
5092	742508.78	4111468.26	9.34E-09	1.70E-08	9.35E-10	2.73E-08	1.45E-09	2.79E-09	1.40E-10	4.38E-09	1.41E-09	2.40E-09	1.78E-10	3.99E-09	8.01E-10	1.32E-09	4.39E-11	2.17E-09
5093	742485.47	4111472.8	9.57E-09	1.74E-08	9.58E-10	2.80E-08	1.48E-09	2.86E-09	1.44E-10	4.49E-09	1.44E-09	2.46E-09	1.82E-10	4.09E-09	8.20E-10	1.36E-09	4.50E-11	2.22E-09
5094	742462.15	4111477.35	9.83E-09	1.79E-08	9.83E-10	2.87E-08	1.52E-09	2.94E-09	1.47E-10	4.61E-09	1.48E-09	2.53E-09	1.87E-10	4.19E-09	8.42E-10	1.39E-09	4.62E-11	2.28E-09
5095	742438.83	4111481.89	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.57E-09	3.02E-09	1.52E-10	4.73E-09	1.52E-09	2.60E-09	1.92E-10	4.31E-09	8.65E-10	1.43E-09	4.74E-11	2.34E-09
5096	742415.51	4111486.43	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.10E-09	1.56E-10	4.86E-09	1.56E-09	2.67E-09	1.98E-10	4.43E-09	8.89E-10	1.47E-09	4.87E-11	2.41E-09
5097	742392.2	4111490.98	1.07E-08	1.94E-08	1.07E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	5.00E-09	1.61E-09	2.74E-09	2.03E-10	4.55E-09	9.13E-10	1.51E-09	5.01E-11	2.47E-09
5098	742368.88	4111495.52	1.09E-08	1.99E-08	1.09E-09	3.20E-08	1.70E-09	3.27E-09	1.64E-10	5.13E-09	1.65E-09	2.81E-09	2.08E-10	4.67E-09	9.37E-10	1.55E-09	5.14E-11	2.54E-09
5099	742345.56	4111500.07	1.12E-08	2.04E-08	1.12E-09	3.27E-08	1.74E-09	3.35E-09	1.68E-10	5.25E-09	1.69E-09	2.88E-09	2.14E-10	4.78E-09	9.60E-10	1.59E-09	5.27E-11	2.60E-09
5100	742322.25	4111504.61	1.15E-08	2.09E-08	1.15E-09	3.35E-08	1.78E-09	3.43E-09	1.72E-10	5.38E-09	1.73E-09	2.95E-09	2.19E-10	4.90E-09	9.83E-10	1.63E-09	5.39E-11	2.66E-09
5101	742298.93	4111509.16	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.82E-09	3.50E-09	1.76E-10	5.49E-09	1.77E-09	3.01E-09	2.23E-10	5.00E-09	1.00E-09	1.66E-09	5.50E-11	2.72E-09
5102	742275.61	4111513.7	1.19E-08	2.18E-08	1.19E-09	3.49E-08	1.85E-09	3.57E-09	1.79E-10	5.60E-09	1.80E-09	3.07E-09	2.27E-10	5.10E-09	1.02E-09	1.69E-09	5.61E-11	2.77E-09
5103	742252.3	4111518.24	1.21E-08	2.21E-08	1.21E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
5104	742228.98	4111522.79	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.78E-09	1.86E-09	3.17E-09	2.35E-10	5.26E-09	1.06E-09	1.75E-09	5.79E-11	2.86E-09
5105	742205.66	4111527.33	1.25E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.85E-09	1.88E-09	3.21E-09	2.38E-10	5.32E-09	1.07E-09	1.77E-09	5.86E-11	2.89E-09
5106	742182.34	4111531.88	1.26E-08	2.29E-08	1.26E-09	3.68E-08	1.95E-09	3.76E-09	1.89E-10	5.90E-09	1.90E-09	3.24E-09	2.40E-10	5.38E-09	1.08E-09	1.79E-09	5.92E-11	2.92E-09
5107	742159.03	4111536.42	1.27E-08	2.31E-08	1.27E-09	3.71E-08	1.97E-09	3.79E-09	1.91E-10	5.95E-09	1.91E-09	3.26E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.97E-11	2.95E-09
5108	742135.71	4111540.96	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.98E-09	3.82E-09	1.92E-10	6.00E-09	1.93E-09	3.29E-09	2.44E-10	5.46E-09	1.10E-09	1.81E-09	6.01E-11	2.97E-09
5109	742112.39	4111545.51	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.85E-09	1.94E-10	6.05E-09	1.94E-09	3.31E-09	2.46E-10	5.51E-09	1.10E-09	1.83E-09	6.06E-11	2.99E-09
5110	742089.08	4111550.05	1.30E-08	2.37E-08	1.30E-09	3.80E-08	2.02E-09	3.89E-09	1.95E-10	6.10E-09	1.96E-09	3.34E-09	2.48E-10	5.55E-09	1.11E-09	1.84E-09	6.11E-11	3.02E-09
5111	742065.76	4111554.6	1.31E-08	2.39E-08	1.31E-09	3.84E-08	2.04E-09	3.92E-09	1.97E-10	6.16E-09	1.98E-09	3.38E-09	2.50E-10	5.61E-09	1.13E-09	1.86E-09	6.17E-11	3.05E-09
5112	742042.44	4111559.14	1.33E-08	2.42E-08	1.33E-09	3.88E-08	2.06E-09	3.97E-09	2.00E-10	6.23E-09	2.00E-09	3.42E-09	2.53E-10	5.68E-09	1.14E-09	1.88E-09	6.25E-11	3.09E-09
5113	742019.13	4111563.69	1.35E-08	2.45E-08	1.35E-09	3.94E-08	2.09E-09	4.02E-09	2.02E-10	6.32E-09	2.03E-09	3.46E-09	2.57E-10	5.75E-09	1.15E-09	1.91E-09	6.33E-11	3.13E-09
5114	741995.81	4111568.23	1.37E-08	2.49E-08	1.37E-09	4.00E-08	2.12E-09	4.08E-09	2.05E-10	6.41E-09	2.06E-09	3.51E-09	2.61E-10	5.84E-09	1.17E-09	1.94E-09	6.43E-11	3.17E-09
5115	741972.49	4111572.77	1.39E-08	2.53E-08	1.39E-09	4.06E-08	2.15E-09	4.15E-09	2.08E-10	6.51E-09	2.09E-09	3.57E-09	2.65E-10	5.93E-09	1.19E-09	1.97E-09	6.53E-11	3.22E-09
5116	741949.18	4111577.32	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.19E-09	4.22E-09	2.12E-10	6.62E-09	2.13E-09	3.63E-09	2.69E-10	6.03E-09	1.21E-09	2.00E-09	6.63E-11	3.28E-09
5117	741925.86	4111581.86	1.43E-08	2.61E-08	1.43E-09	4.19E-08	2.22E-09	4.28E-09	2.15E-10	6.72E-09	2.16E-09	3.68E-09	2.73E-10	6.12E-09	1.23E-09	2.03E-09	6.74E-11	3.33E-09
5118	741902.54	4111586.41	1.45E-08	2.65E-08	1.46E-09	4.25E-08	2.26E-09	4.35E-09	2.18E-10	6.82E-09	2.19E-09	3.74E-09	2.77E-10	6.21E-09	1.25E-09	2.06E-09	6.84E-11	3.38E-09
5119	741879.22	4111590.95	1.47E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.40E-09	2.21E-10	6.91E-09	2.22E-09	3.79E-09	2.81E-10	6.29E-09	1.26E-09	2.09E-09	6.93E-11	3.42E-09
5120	741855.91	4111595.49	1.49E-08	2.72E-08	1.49E-09	4.36E-08	2.31E-09	4.46E-09	2.24E-10	6.99E-09	2.25E-09	3.84E-09	2.84E-10	6.37E-09	1.28E-09	2.12E-09	7.01E-11	3.46E-09
5121	741832.59	4111600.04	1.51E-08	2.75E-08	1.51E-09	4.40E-08	2.34E-09	4.50E-09	2.26E-10	7.06E-09	2.27E-09	3.87E-09	2.87E-10	6.43E-09	1.29E-09	2.14E-09	7.08E-11	3.50E-09
5122	741809.27	4111604.58	1.52E-08	2.77E-08	1.52E-09	4.44E-08	2.36E-09	4.54E-09	2.28E-10	7.12E-09	2.29E-09	3.91E-09	2.90E-10	6.49E-09	1.30E-09	2.15E-09	7.14E-11	3.53E-09
5123	741785.96	4111609.13	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.17E-09	2.31E-09	3.93E-09	2.92E-10	6.53E-09	1.31E-09	2.17E-09	7.19E-11	3.55E-09
5124	741762.64	4111613.67	1.54E-08	2.80E-08	1.54E-09	4.50E-08	2.39E-09	4.60E-09	2.31E-10	7.21E-09	2.32E-09	3.96E-09	2.93E-10	6.57E-09	1.32E-09	2.18E-09	7.23E-11	3.57E-09
5125	741739.32	4111618.22	1.55E-08	2.82E-08	1.55E-09	4.51E-08	2.40E-09	4.62E-09	2.32E-10	7.24E-09	2.33E-09	3.97E-09	2.94E-10	6.60E-09	1.32E-09	2.19E-09	7.26E-11	3.59E-09
5126	741716.01	4111622.76	1.55E-08	2.82E-08	1.55E-09	4.53E-08	2.40E-09	4.63E-09	2.33E-10	7.26E-09	2.34E-09	3.98E-09	2.95E-10	6.62E-09	1.33E-09	2.20E-09	7.28E-11	3.60E-09
5127	741692.69	4111627.3	1.55E-08	2.83E-08	1.55E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.63E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
5128	741669.37	4111631.85	1.55E-08	2.83E-08	1.55E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.63E-09	1.33E-09	2.20E-09	7.30E-11	3.61E-09
5129	741646.05	4111636.39	1.55E-08	2.83E-08	1.55E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.63E-09	1.33E-09	2.20E-09	7.30E-11	3.60E-09
5130	741603.19	4111627.44	1.57E-08	2.87E-08	1.57E-09	4.60E-08	2.44E-09	4.70E-09	2.36E-10	7.37E-09	2.37E-09	4.04E-09	3.00E-10	6.71E-09	1.35E-09	2.23E-09	7.39E-11	3.65E-09
5131	741583.65	4111613.94	1.59E-08	2.91E-08	1.60E-09	4.66E-08	2.47E-09	4.76E-09	2.39E-10	7.47E-09	2.40E-09	4.10E-09	3.04E-10	6.81E-09	1.37E-09	2.26E-09	7.49E-11	3.70E-09
5132	741564.1	4111600.43	1.61E-08	2.94E-08	1.62E-09	4.72E-08	2.50E-09	4.82E-09	2.42E-10	7.57E-09	2.43E-09	4.15E-09	3.08E-10	6.89E-09	1.38E-09	2.29E-09	7.59E-11	3.75E-09
5133	741544.55	4111586.93	1.63E-08	2.98E-08	1.63E-09	4.77E-08	2.53E-09	4.88E-09	2.45E-10	7.66E-09	2.46E-09	4.20E-09	3.11E-10	6.98E-09	1.40E-09	2.32E-09	7.68E-11	3.79E-09
5134	741525.01	4111573.43	1.65E-08	3.01E-08	1.65E-09	4.83E-08	2.56E-09	4.94E-09	2.48E-10	7.75E-09	2.49E-09	4.25E-09	3.15E-10	7.05E-09	1.42E-09	2.34E-09	7.77E-11	3.84E-09
5135	741505.46	4111559.93	1.67E-08	3.04E-08	1.67E-09	4.88E-08	2.59E-09	4.99E-09	2.51E-10	7.83E-09	2.52E-09	4.29E-09	3.18E-10	7.13E-09	1.43E-09	2.37E-09	7.85E-11	3.88E-09
5136	741485.91	4111546.43	1.69E-08	3.07E-08	1.69E-09	4.93E-08	2.62E-09	5.04E-09	2.53E-10	7.91E-09	2.54E-09	4.34E-09	3.21E-10	7.20E-09	1.45E-09	2.39E-09	7.93E-11	3.92E-09
5137	741466.37	4111532.93	1.70E-08	3.10E-08	1.70E-09	4.97E-08	2.64E-09	5.08E-09	2.55E-10	7.97E-09	2.56E-09	4.37E-09	3.24E-10	7.26E-09	1.46E-09	2.41E-09	7.99E-11	3.95E-09
5138	741446.82	4111519.43	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.66E-09	5.12E-09	2.57E-10	8.03E-09	2.58E-09	4.40E-09	3.26E-10	7.31E-09	1.47E-09	2.43E-09	8.05E-11	3.98E-09
5139	741427.27	4111505.93	1.72E-08	3.14E-08	1.72E-09	5.03E-08	2.67E-09	5.14E-09	2.58E-10	8.07E-09	2.60E-09	4.43E-09	3.28E-10	7.35E-09	1.48E-09	2.44E-09	8.09E-11	4.00E-09
5140	741407.73	4111492.43	1.73E-08	3.15E-08	1.73E-09	5.05E-08	2.68E-09	5.16E-09	2.59E-10	8.10E-09	2.60E-09	4.44E-09	3.29E-10	7.37E-09	1.48E-09	2.45E-09	8.12E-11	4.01E-09
5141	741388.18	4111478.93	1.73E-08	3.15E-08	1.73E-09	5.05E-08	2.68E-09	5.16E-09	2.59E-10	8.10E-09	2.61E-09	4.44E-09	3.29E-10	7.38E-09	1.48E-09	2.45E-09	8.12E-11	4.01E-09
5142	741368.64	4111465.43	1.73E-08	3.14E-08	1.73E-09	5.04E-08	2.68E-09	5.15E-09	2.59E-10	8.09E-09	2.60E-09	4.44E-09	3.29E-10	7.37E-09	1.48E-09	2.45E-09	8.11E-11	4.01E-09
5143	741349.09	4111451.92	1.72E-08	3.13E-08	1.72E-09	5.02E-08	2.67E-09	5.13E-09	2.58E-10	8.06E-09	2.59E-09	4.42E-09	3.27E-10	7.34E-09	1.47E-09	2.44E-09	8.08E-11	3.99E-09
5144	741329.54	4111438.42	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.65E-09	5.11E-09	2.57E-10	8.02E-09	2.58E-09	4.40E-09	3.26E-10	7.30E-09	1.47E-09	2.42E-09	8.03E-11	3.97E-09
5145	741310	4111424.92	1.70E-08	3.10E-08	1.70E-09	4.97E-08	2.64E-09	5.08E-09	2.55E-10	7.97E-09	2.56E-09	4.37E-09	3.24E-10	7.26E-09	1.46E-09	2.41E-09	7.99E-11	3.95E-09
5146	741290.45	4111411.42	1.69E-08	3.08E-08	1.69E-09	4.95E-08	2.62E-09	5.06E-09	2.54E-10	7.94E-09	2.55E-09	4.35E-09	3.23E-10	7.23E-09	1.45E-09	2.40E-09	7.95E-11	3.93E-09
5147	741270.9	4111397.92	1.69E-08	3.08E-08	1.69E-09	4.93E-08	2.62E-09	5.05E-09	2.53E-10	7.92E-09	2.55E-09	4.34E-09	3.22E-10	7.21E-09	1.45E-09	2.39E-09	7.94E-11	3.92E-09
5148	741251.36	4111384.42	1.69E-08	3.08E-08	1.69E-09	4.94E-08	2.62E-09	5.05E-09	2.54E-10	7.93E-09	2.55E-09	4.35E-09	3.22E-10	7.22E-09	1.45E-09	2.40E-09	7.95E-11	3.93E-09
5149	741231.81	4111370.92	1.70E-08	3.10E-08	1.70E-09	4.97E-08	2.64E-09	5.09E-09	2.55E-10	7.98E-09	2.57E-09	4.38E-09	3.24E-10	7.27E-09	1.46E-09	2.41E-09	8.00E-11	3.95E-09
5150	741212.27	4111357.42	1.72E-08	3.14E-08	1.72E-09	5.03E-08	2.67E-09	5.15E-09	2.58E-10	8.07E-09	2.60E-09	4.43E-09	3.28E-10	7.35E-09	1.48E-09	2.44E-09	8.09E-11	4.00E-09
5151	741192.72	4111343.92	1.75E-08	3.19E-08	1.75E-09	5.12E-08	2.72E-09	5.23E-09	2.63E-10	8.21E-09	2.64E-09	4.50E-09	3.34E-10	7.48E-09	1.50E-09	2.48E-09	8.23E-11	4.07E-09
5152	741173.17	4111330.42	1.79E-08	3.26E-08	1.79E-09	5.23E-08	2.78E-09	5.35E-09	2.69E-10	8.39E-09	2.70E-09	4.60E-09	3.41E-10	7.64E-09	1.53E-09	2.54E-09	8.41E-11	4.16E-09
5153	741153.63	4111316.92	1.84E-08	3.34E-08	1.84E-09	5.36E-08	2.85E-09	5.48E-09	2.75E-10	8.60E-09	2.77E-09	4.72E-09	3.50E-10	7.83E-09	1.57E-09	2.60E-09	8.62E-11	4.26E-09
5154	741134.08	4111303.42	1.88E-08	3.43E-08	1.89E-09	5.51E-08	2.92E-09	5.63E-09	2.83E-10	8.84E-09	2.84E-09	4.85E-09	3.59E-10	8.05E-09	1.62E-09	2.67E-09	8.86E-11	4.38E-09
5155	741114.53	4111289.91	1.94E-08	3.53E-08	1.94E-09	5.66E-08	3.00E-09	5.78E-09	2.91E-10	9.07E-09	2.92E-09	4.98E-09	3.69E-10	8.26E-09	1.66E-09	2.74E-09	9.10E-11	4.49E-09
5156	741094.99	4111276.41	1.98E-08	3.62E-08	1.99E-09	5.80E-08	3.08E-09	5.93E-09	2.98E-10	9.30E-09	2.99E-09	5.10E-09	3.78E-10	8.47E-09	1.70E-09	2.81E-09	9.33E-11	4.61E-09
5157	741075.44	4111262.91	2.03E-08	3.70E-08	2.03E-09	5.93E-08	3.15E-09	6.06E-09	3.05E-10	9.51E-09	3.06E-09	5.22E-09	3.87E-10	8.66E-09	1.74E-09	2.88E-09	9.54E-11	4.71E-09
5158	741055.9	4111249.41	2.07E-08	3.77E-08	2.07E-09	6.04E-08	3.21E-09	6.18E-09	3.10E-10	9.70E-09	3.12E-09	5.32E-09	3.94E-10	8.83E-09	1.77E-09	2.93E-09	9.72E-11	4.80E-09

5159	741036.35	4111235.91	2.10E-08	3.83E-08	2.10E-09	6.14E-08	3.26E-09	6.28E-09	3.15E-10	9.85E-09	3.17E-09	5.40E-09	4.00E-10	8.97E-09	1.80E-09	2.98E-09	9.88E-11	4.88E-09
5160	741016.8	4111222.41	2.13E-08	3.88E-08	2.13E-09	6.23E-08	3.31E-09	6.37E-09	3.20E-10	9.99E-09	3.21E-09	5.48E-09	4.06E-10	9.10E-09	1.83E-09	3.02E-09	1.00E-10	4.95E-09
5161	740997.26	4111208.91	2.16E-08	3.94E-08	2.16E-09	6.31E-08	3.35E-09	6.45E-09	3.24E-10	1.01E-08	3.26E-09	5.55E-09	4.12E-10	9.22E-09	1.85E-09	3.06E-09	1.02E-10	5.02E-09
5162	740977.71	4111195.41	2.19E-08	3.99E-08	2.19E-09	6.40E-08	3.40E-09	6.54E-09	3.29E-10	1.03E-08	3.30E-09	5.63E-09	4.17E-10	9.35E-09	1.88E-09	3.10E-09	1.03E-10	5.08E-09
5163	740958.16	4111181.91	2.22E-08	4.05E-08	2.22E-09	6.50E-08	3.45E-09	6.64E-09	3.34E-10	1.04E-08	3.35E-09	5.71E-09	4.24E-10	9.49E-09	1.91E-09	3.15E-09	1.04E-10	5.16E-09
5164	740938.62	4111168.41	2.26E-08	4.12E-08	2.26E-09	6.61E-08	3.51E-09	6.76E-09	3.39E-10	1.06E-08	3.41E-09	5.81E-09	4.31E-10	9.66E-09	1.94E-09	3.21E-09	1.06E-10	5.25E-09
5165	740919.07	4111154.91	2.31E-08	4.20E-08	2.31E-09	6.74E-08	3.58E-09	6.89E-09	3.46E-10	1.08E-08	3.48E-09	5.93E-09	4.40E-10	9.85E-09	1.98E-09	3.27E-09	1.08E-10	5.36E-09
5166	740899.53	4111141.4	2.36E-08	4.30E-08	2.36E-09	6.90E-08	3.66E-09	7.05E-09	3.54E-10	1.11E-08	3.56E-09	6.07E-09	4.50E-10	1.01E-08	2.02E-09	3.35E-09	1.11E-10	5.48E-09
5167	740879.98	4111127.9	2.42E-08	4.41E-08	2.42E-09	7.07E-08	3.75E-09	7.23E-09	3.63E-10	1.13E-08	3.65E-09	6.22E-09	4.61E-10	1.03E-08	2.07E-09	3.43E-09	1.14E-10	5.62E-09
5168	740860.43	4111114.4	2.48E-08	4.52E-08	2.48E-09	7.25E-08	3.85E-09	7.41E-09	3.72E-10	1.16E-08	3.74E-09	6.38E-09	4.73E-10	1.06E-08	2.13E-09	3.52E-09	1.17E-10	5.76E-09
5169	740840.89	4111100.9	2.55E-08	4.64E-08	2.55E-09	7.44E-08	3.95E-09	7.60E-09	3.82E-10	1.19E-08	3.84E-09	6.54E-09	4.85E-10	1.09E-08	2.18E-09	3.61E-09	1.20E-10	5.91E-09
5170	740821.34	4111087.4	2.61E-08	4.75E-08	2.61E-09	7.62E-08	4.04E-09	7.79E-09	3.91E-10	1.22E-08	3.93E-09	6.70E-09	4.97E-10	1.11E-08	2.23E-09	3.70E-09	1.22E-10	6.05E-09
5171	740801.79	4111073.9	2.66E-08	4.85E-08	2.66E-09	7.78E-08	4.13E-09	7.95E-09	3.99E-10	1.25E-08	4.01E-09	6.84E-09	5.07E-10	1.14E-08	2.28E-09	3.77E-09	1.25E-10	6.18E-09
5172	740782.25	4111060.4	2.71E-08	4.94E-08	2.71E-09	7.92E-08	4.20E-09	8.10E-09	4.07E-10	1.27E-08	4.09E-09	6.97E-09	5.16E-10	1.16E-08	2.32E-09	3.84E-09	1.27E-10	6.29E-09
5173	740762.7	4111046.9	2.75E-08	5.01E-08	2.75E-09	8.04E-08	4.27E-09	8.22E-09	4.13E-10	1.29E-08	4.15E-09	7.07E-09	5.24E-10	1.17E-08	2.36E-09	3.90E-09	1.29E-10	6.39E-09
5174	740743.15	4111033.4	2.78E-08	5.07E-08	2.78E-09	8.13E-08	4.32E-09	8.31E-09	4.18E-10	1.30E-08	4.20E-09	7.15E-09	5.30E-10	1.19E-08	2.38E-09	3.95E-09	1.31E-10	6.46E-09
5175	740723.61	4111019.9	2.81E-08	5.11E-08	2.81E-09	8.20E-08	4.35E-09	8.38E-09	4.21E-10	1.32E-08	4.23E-09	7.21E-09	5.35E-10	1.20E-08	2.40E-09	3.98E-09	1.32E-10	6.51E-09
5176	740704.06	4111006.4	2.82E-08	5.13E-08	2.82E-09	8.23E-08	4.37E-09	8.41E-09	4.23E-10	1.32E-08	4.25E-09	7.24E-09	5.37E-10	1.20E-08	2.41E-09	3.99E-09	1.32E-10	6.54E-09
5177	740684.52	4110992.9	2.82E-08	5.13E-08	2.82E-09	8.23E-08	4.37E-09	8.42E-09	4.23E-10	1.32E-08	4.25E-09	7.24E-09	5.37E-10	1.20E-08	2.41E-09	4.00E-09	1.32E-10	6.54E-09
5178	742765.27	4111418.27	7.90E-09	1.44E-08	7.90E-10	2.31E-08	1.22E-09	2.36E-09	1.18E-10	3.70E-09	1.19E-09	2.03E-09	1.50E-10	3.37E-09	6.77E-10	1.12E-09	3.71E-11	1.83E-09
5179	742785.38	4111404.78	7.84E-09	1.43E-08	7.85E-10	2.29E-08	1.22E-09	2.34E-09	1.18E-10	3.68E-09	1.18E-09	2.02E-09	1.49E-10	3.35E-09	6.72E-10	1.11E-09	3.68E-11	1.82E-09
5180	742805.49	4111391.29	7.78E-09	1.42E-08	7.79E-10	2.27E-08	1.21E-09	2.32E-09	1.17E-10	3.65E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.67E-10	1.10E-09	3.66E-11	1.81E-09
5181	742825.6	4111377.79	7.73E-09	1.41E-08	7.73E-10	2.26E-08	1.20E-09	2.31E-09	1.16E-10	3.62E-09	1.17E-09	1.99E-09	1.47E-10	3.30E-09	6.62E-10	1.10E-09	3.63E-11	1.79E-09
5182	742845.71	4111364.3	7.69E-09	1.40E-08	7.69E-10	2.25E-08	1.19E-09	2.30E-09	1.15E-10	3.60E-09	1.16E-09	1.98E-09	1.46E-10	3.28E-09	6.59E-10	1.09E-09	3.61E-11	1.78E-09
5183	742865.82	4111350.81	7.67E-09	1.40E-08	7.67E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.59E-09	1.16E-09	1.97E-09	1.46E-10	3.27E-09	6.57E-10	1.09E-09	3.60E-11	1.78E-09
5184	742885.93	4111337.32	7.69E-09	1.40E-08	7.69E-10	2.25E-08	1.19E-09	2.30E-09	1.15E-10	3.60E-09	1.16E-09	1.98E-09	1.46E-10	3.28E-09	6.59E-10	1.09E-09	3.61E-11	1.78E-09
5185	742906.04	4111323.83	7.75E-09	1.41E-08	7.76E-10	2.27E-08	1.20E-09	2.32E-09	1.16E-10	3.64E-09	1.17E-09	1.99E-09	1.48E-10	3.31E-09	6.64E-10	1.10E-09	3.64E-11	1.80E-09
5186	742926.15	4111310.33	7.88E-09	1.44E-08	7.89E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.70E-09	1.19E-09	2.03E-09	1.50E-10	3.37E-09	6.75E-10	1.12E-09	3.70E-11	1.83E-09
5187	742946.26	4111296.84	8.07E-09	1.47E-08	8.08E-10	2.36E-08	1.25E-09	2.41E-09	1.21E-10	3.78E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.92E-10	1.14E-09	3.79E-11	1.87E-09
5188	742966.37	4111283.35	8.32E-09	1.52E-08	8.32E-10	2.43E-08	1.29E-09	2.49E-09	1.25E-10	3.90E-09	1.25E-09	2.14E-09	1.59E-10	3.55E-09	7.13E-10	1.18E-09	3.91E-11	1.93E-09
5189	742986.48	4111269.86	8.61E-09	1.57E-08	8.62E-10	2.52E-08	1.34E-09	2.57E-09	1.29E-10	4.04E-09	1.30E-09	2.21E-09	1.64E-10	3.68E-09	7.38E-10	1.22E-09	4.05E-11	2.00E-09
5190	743006.59	4111256.36	8.93E-09	1.63E-08	8.94E-10	2.61E-08	1.39E-09	2.67E-09	1.34E-10	4.19E-09	1.35E-09	2.30E-09	1.70E-10	3.81E-09	7.65E-10	1.27E-09	4.20E-11	2.07E-09
5191	743026.7	4111242.87	9.27E-09	1.69E-08	9.27E-10	2.71E-08	1.44E-09	2.77E-09	1.39E-10	4.35E-09	1.40E-09	2.38E-09	1.77E-10	3.96E-09	7.94E-10	1.31E-09	4.36E-11	2.15E-09
5192	742964.4	4111755.06	5.77E-09	1.05E-08	5.77E-10	1.69E-08	8.94E-10	1.72E-09	8.66E-11	2.70E-09	8.70E-10	1.48E-09	1.10E-10	2.46E-09	4.94E-10	8.18E-10	2.71E-11	1.34E-09
5193	742940.68	4111759.68	5.83E-09	1.06E-08	5.83E-10	1.70E-08	9.04E-10	1.74E-09	8.75E-11	2.73E-09	8.79E-10	1.50E-09	1.11E-10	2.49E-09	4.99E-10	8.26E-10	2.74E-11	1.35E-09
5194	742916.95	4111764.31	5.88E-09	1.07E-08	5.88E-10	1.72E-08	9.11E-10	1.76E-09	8.82E-11	2.75E-09	8.86E-10	1.51E-09	1.12E-10	2.51E-09	5.03E-10	8.33E-10	2.76E-11	1.36E-09
5195	742893.23	4111768.93	5.91E-09	1.08E-08	5.92E-10	1.73E-08	9.17E-10	1.77E-09	8.88E-11	2.77E-09	8.92E-10	1.52E-09	1.13E-10	2.52E-09	5.07E-10	8.39E-10	2.78E-11	1.37E-09
5196	742869.5	4111773.56	5.94E-09	1.08E-08	5.95E-10	1.74E-08	9.22E-10	1.78E-09	8.92E-11	2.79E-09	8.96E-10	1.53E-09	1.13E-10	2.54E-09	5.09E-10	8.43E-10	2.79E-11	1.38E-09
5197	742845.78	4111778.18	5.97E-09	1.09E-08	5.97E-10	1.74E-08	9.26E-10	1.78E-09	8.96E-11	2.80E-09	9.00E-10	1.53E-09	1.14E-10	2.55E-09	5.12E-10	8.47E-10	2.81E-11	1.39E-09
5198	742822.05	4111782.8	5.99E-09	1.09E-08	6.00E-10	1.75E-08	9.30E-10	1.79E-09	9.00E-11	2.81E-09	9.04E-10	1.54E-09	1.14E-10	2.56E-09	5.14E-10	8.50E-10	2.82E-11	1.39E-09
5199	742798.33	4111787.43	6.02E-09	1.10E-08	6.02E-10	1.76E-08	9.34E-10	1.80E-09	9.04E-11	2.82E-09	9.08E-10	1.55E-09	1.15E-10	2.57E-09	5.16E-10	8.54E-10	2.83E-11	1.40E-09
5200	742774.61	4111792.05	6.06E-09	1.10E-08	6.06E-10	1.77E-08	9.39E-10	1.81E-09	9.09E-11	2.84E-09	9.13E-10	1.56E-09	1.15E-10	2.59E-09	5.19E-10	8.59E-10	2.85E-11	1.41E-09
5201	742750.88	4111796.67	6.10E-09	1.11E-08	6.11E-10	1.78E-08	9.46E-10	1.82E-09	9.16E-11	2.86E-09	9.20E-10	1.57E-09	1.16E-10	2.61E-09	5.23E-10	8.65E-10	2.87E-11	1.42E-09
5202	742727.16	4111801.3	6.17E-09	1.12E-08	6.17E-10	1.80E-08	9.57E-10	1.84E-09	9.26E-11	2.89E-09	9.30E-10	1.59E-09	1.18E-10	2.63E-09	5.29E-10	8.75E-10	2.90E-11	1.43E-09
5203	742703.43	4111805.92	6.25E-09	1.14E-08	6.26E-10	1.83E-08	9.70E-10	1.87E-09	9.39E-11	2.93E-09	9.43E-10	1.61E-09	1.19E-10	2.67E-09	5.36E-10	8.87E-10	2.94E-11	1.45E-09
5204	742679.71	4111810.54	6.36E-09	1.16E-08	6.36E-10	1.86E-08	9.86E-10	1.90E-09	9.54E-11	2.98E-09	9.59E-10	1.63E-09	1.21E-10	2.71E-09	5.45E-10	9.02E-10	2.99E-11	1.48E-09
5205	742655.98	4111815.17	6.48E-09	1.18E-08	6.49E-10	1.89E-08	1.01E-09	1.94E-09	9.73E-11	3.04E-09	9.78E-10	1.67E-09	1.24E-10	2.77E-09	5.56E-10	9.19E-10	3.05E-11	1.51E-09
5206	742632.26	4111819.79	6.63E-09	1.21E-08	6.64E-10	1.94E-08	1.03E-09	1.98E-09	9.95E-11	3.11E-09	1.00E-09	1.70E-09	1.26E-10	2.83E-09	5.68E-10	9.40E-10	3.12E-11	1.54E-09
5207	742608.53	4111824.42	6.80E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.02E-09	1.75E-09	1.30E-10	2.90E-09	5.82E-10	9.64E-10	3.19E-11	1.58E-09
5208	742584.81	4111829.04	6.98E-09	1.27E-08	6.98E-10	2.04E-08	1.08E-09	2.08E-09	1.05E-10	3.27E-09	1.05E-09	1.79E-09	1.33E-10	2.98E-09	5.98E-10	9.89E-10	3.28E-11	1.62E-09
5209	742561.08	4111833.66	7.17E-09	1.31E-08	7.17E-10	2.09E-08	1.11E-09	2.14E-09	1.08E-10	3.36E-09	1.08E-09	1.84E-09	1.37E-10	3.06E-09	6.14E-10	1.02E-09	3.37E-11	1.66E-09
5210	742537.36	4111838.29	7.37E-09	1.34E-08	7.37E-10	2.15E-08	1.14E-09	2.20E-09	1.11E-10	3.45E-09	1.11E-09	1.89E-09	1.40E-10	3.15E-09	6.31E-10	1.04E-09	3.46E-11	1.71E-09
5211	742513.63	4111842.91	7.57E-09	1.38E-08	7.58E-10	2.21E-08	1.17E-09	2.26E-09	1.14E-10	3.55E-09	1.14E-09	1.95E-09	1.44E-10	3.23E-09	6.49E-10	1.07E-09	3.56E-11	1.76E-09
5212	742489.91	4111847.53	7.78E-09	1.42E-08	7.78E-10	2.27E-08	1.21E-09	2.32E-09	1.17E-10	3.65E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.67E-10	1.10E-09	3.66E-11	1.81E-09
5213	742466.18	4111852.16	7.99E-09	1.46E-08	7.99E-10	2.33E-08	1.24E-09	2.39E-09	1.20E-10	3.75E-09	1.20E-09	2.05E-09	1.52E-10	3.41E-09	6.85E-10	1.13E-09	3.75E-11	1.85E-09
5214	742442.46	4111856.78	8.19E-09	1.49E-08	8.19E-10	2.39E-08	1.27E-09	2.45E-09	1.23E-10	3.84E-09	1.23E-09	2.10E-09	1.56E-10	3.50E-09	7.02E-10	1.16E-09	3.85E-11	1.90E-09
5215	742418.73	4111861.41	8.37E-09	1.53E-08	8.38E-10	2.45E-08	1.30E-09	2.50E-09	1.26E-10	3.93E-09	1.26E-09	2.15E-09	1.60E-10	3.58E-09	7.18E-10	1.19E-09	3.94E-11	1.94E-09
5216	742395.01	4111866.03	8.54E-09	1.56E-08	8.55E-10	2.50E-08	1.32E-09	2.55E-09	1.28E-10	4.01E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.32E-10	1.21E-09	4.01E-11	1.98E-09
5217	742371.29	4111870.65	8.70E-09	1.58E-08	8.70E-10	2.54E-08	1.35E-09	2.60E-09	1.31E-10	4.08E-09	1.31E-09	2.24E-09	1.66E-10	3.71E-09	7.45E-10	1.23E-09	4.09E-11	2.02E-09
5218	742347.56	4111875.28	8.82E-09	1.61E-08	8.83E-10	2.58E-08	1.37E-09	2.64E-09	1.32E-10	4.14E-09	1.33E-09	2.27E-09	1.68E-10	3.77E-09	7.56E-10	1.25E-09	4.15E-11	2.05E-09
5219	742323.84	4111879.9	8.93E-09	1.63E-08	8.93E-10	2.61E-08	1.38E-09	2.67E-09	1.34E-10	4.19E-09	1.35E-09	2.29E-09	1.70E-10	3.81E-09	7.65E-10	1.27E-09	4.20E-11	2.07E-09
5220	742300.11	4111884.52	9.01E-09	1.64E-08	9.01E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.22E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.72E-10	1.28E-09	4.23E-11	2.09E-09
5221	742276.39	4111889.15	9.07E-09	1.65E-08	9.07E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.77E-10	1.29E-09	4.26E-11	2.10E-09
5222	742252.66	4111893.77	9.11E-09	1.66E-08	9.11E-10	2.66E-08	1.41E-09	2.72E-09	1.37E-10	4.27E-09	1.37E-09	2.34E-09	1.74E-10	3.89E-09	7.80E-10	1.29E-09	4.28E-11	2.11E-09
5223	742228.94	4111898.39	9.14E-09	1.66E-08	9.14E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.28E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.83E-10	1.30E-09	4.29E-11	2.12E-09
5224	742205.21	4111903.02	9.16E-09	1.67E-08	9.16E-10	2.68E-08	1.42E-09	2.74E-09	1.37E-10	4.29E-09	1.38E-09	2.35E-09	1.74E-10	3.91E-09	7.85E-10	1.30E-09	4.30E-11	2.13E-09
5225	742181.49	4111907.64	9.18E-09	1.67E-08	9.18E-10	2.68E-08	1.42E-09	2.74E-09	1.38E-10	4.30E-09	1.38E-09	2.36E-09	1.75E-10	3.92E-09	7.86E-10	1.30E-09	4.31E-11	2.13E-09
5226	742157.76	4111912.27	9.21E-09	1.68E-08	9.21E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.32E-09	1.39E-09	2.37E-09	1.75E-10	3.93E-09	7.89E-10	1.31E-09	4.33E-11	2.14E-09
5227	742134.04	4111916.89	9.25E-09	1.69E-08	9.26E-10	2.70E-08	1.43E-09	2.76E-09	1.39E-10	4.34E-09	1.39E-09	2.38E-09	1.76E-10	3.95E-09	7.93E-10	1.31E-09	4.35E-11	2.15E-09
5228	742110.31	4111921.51	9.30E-09	1.70E-08	9.31E-10	2.72E-08	1.44E-09	2.78E-09	1.40E-10	4.36E-09	1.40E-09	2.39E-09	1.77E-10	3.97E-09	7.97E-10	1.32E-09	4.37E-11	2.16E-09
5229	742086.59	4111926.14	9.38E-09	1.71E-08	9.38E-10	2.74E-08	1.45E-09	2.80E-09	1.41E-10	4.40E-09	1.41E-09	2.41E-09	1.79E-10	4.00E-09	8.03E-10	1.33E-09	4.41E-11	2.18E-09
5230	742062.86	4111930.76	9.46E-09	1.72E-08	9.47E-10	2.77E-08	1.47E-09	2.83E-09	1.42E-10	4.44E-09	1.43E-09	2.43E-09	1.80E-10	4.04E-09	8.11E-10	1.34E-09	4.45E-11	2.20E-09
5231	742039.14	4111935.38	9.57E-09	1.74E-08	9.57E-10	2.80E-08	1.48E-09	2.86E-09	1.44E-10	4.49E-09	1.44E-09	2.46E-09	1.82E-10	4.08E-09	8.20E-10	1.36E-09	4.50E-11	2.22E-09
5232	742015.41	4111940.01	9.69E-09	1.77E-08	9.69E-10	2.83E-08	1.50E-09	2.89E-09	1.45E-10	4.54E-09	1.46E-09	2.49E-09	1.85E-10	4.14E-09	8.30E-10	1.37E-09	4.55E-11	2.25E-09
5233	741991.69	4111944.63	9.82E-09	1.79E-08	9.83E-10	2.87E-08	1.52E-09	2.93E-09	1.47E-10	4.60E-09	1.48E-09	2.52E-09	1.87E-10	4.19E-09	8.41E-10	1.39E-09	4.61E-11	2.28E-09
5234	741967.97	4111949.25	9.96E-09	1.82E-08	9.97E-10	2.91E-08	1.55E-09	2.98E-09	1.50E-10	4.67E-09	1.50E-09	2.56E-09	1.90E-10	4.25E-09	8.54E-10	1.41E-09	4.68E-11	2.31E-09
5235	741944.24	4111953.88	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.57E-09	3.02E-09	1.52E-10	4.74E-09	1.52E-09	2.60E-09	1.93E-10	4.32E-09	8.66E-10	1.43E-09	4.75E-11	2.35E-09
5236	741920.52	4111958.5	1.03E-08	1.87E-08	1.03E-09	3.00E-08	1.59E-09	3.06E-09	1.54E-10	4.81E-09	1.55E-09	2.64E-09	1.95E-10	4.38E-09	8.79E-10	1.45E-09	4.82E-11	2.38E-09
5237	741896.79	4111963.13	1.04E-08	1.89E-08	1.04E-09	3.04E-08	1.61E-09	3.11E-09	1.56E-10	4.87E-09	1.57E-09	2.67E-09	1.98E-10	4.44E-09	8.91E-10	1.47E-09	4.89E-11	2.41E-09
5238	741873.07	4111967.75	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.02E-10	1.49E-09	4.95E-11	2.45E-09
5239	741849.34	4111972.37	1.07E-08	1.94E-08	1.07E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	5.00E-09	1.61E-09	2.74E-09	2.03E-10	4.55E-09	9.13E-10	1.51E-09	5.01E-11	2.47E-09
5240	741825.62	4111977	1.08E-08	1.96E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.05E-09	1.62E-09	2.77E-09	2.05E-10	4.60E-09	9.23E-10	1.53E-09	5.06E-11	2.50E-09
5241	741801.89	4111981.62	1.09E-08	1.98E-08	1.09E-09	3.18E-08	1.69E-09	3.25E-09	1.63E-10	5.10E-09	1.64E-09	2.79E-09	2.07E-10	4.64E-09	9.31E-10	1.54E-09	5.11E-11	2.52E-09
5242	741778.17	4111986.24	1.10E-08	2.00E-08	1.10E-09	3.20E-08	1.70E-09	3.27E-09	1.64E-10	5.14E-09	1.65E-09	2.82E-09	2.09E-10	4.68E-09	9.39E-10	1.55E-09	5.15E-11	2.54E-09
5243	741754.44	4111990.87	1.10E-08	2.01E-08	1.10E-09	3.22E-08	1.71E-09	3.30E-09	1.66E-10	5.17E-09	1.66E-09	2.84E-09	2.10E-10	4.71E-09	9.45E-10	1.56E-09	5.19E-11	2.56E-09
5244	741730.72	4111995.49	1.11E-08	2.02E-08	1.11E-09	3.24E-08	1.72E-09	3.32E-09	1.67E-10	5.20E-09	1.67E-09	2.85E-09	2.11E-10	4.74E-09	9.51E-10	1.57E-09	5.22E-11	2.58E-09
5245	741706.99	4112000.11	1.12E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.33E-09	1.68E-10	5.23E-09	1.68E-09	2.87E-09	2.13E-10	4.76E-09	9.56E-10	1.58E-09	5.25E-11	2.59E-09
5246	741683.27	4112004.74	1.12E-08	2.04E-08	1.12E-09	3.28E-08	1.74E-09	3.35E-09	1.68E-10	5.26E-09	1.69E-09	2.88E-09	2.14E-10	4.79E-09	9.62E-10	1.59E-09	5.27E-11	2.61E-09
5247	741659.54	4112009.36	1.13E-08	2.05E-08	1.13E-09	3.29E-08	1.75E-09	3.36E-09	1.69E-10	5.28E-09	1.70E-09	2.89E-09	2.15E-10	4.81E-09	9.65E-10	1.60E-09	5.29E-11	2.61E-09

5248	741635.82	4112013.99	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.37E-09	1.69E-10	5.29E-09	1.70E-09	2.90E-09	2.15E-10	4.82E-09	9.67E-10	1.60E-09	5.31E-11	2.62E-09
5249	741612.1	4112018.61	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.38E-09	1.70E-10	5.30E-09	1.70E-09	2.91E-09	2.15E-10	4.83E-09	9.69E-10	1.60E-09	5.31E-11	2.62E-09
5250	741588.37	4112023.23	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.38E-09	1.70E-10	5.30E-09	1.70E-09	2.91E-09	2.15E-10	4.83E-09	9.68E-10	1.60E-09	5.31E-11	2.62E-09
5251	741564.65	4112027.86	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.38E-09	1.70E-10	5.30E-09	1.71E-09	2.91E-09	2.15E-10	4.83E-09	9.69E-10	1.60E-09	5.31E-11	2.63E-09
5252	741521.03	4112018.74	1.14E-08	2.08E-08	1.14E-09	3.34E-08	1.77E-09	3.41E-09	1.71E-10	5.35E-09	1.72E-09	2.94E-09	2.18E-10	4.88E-09	9.78E-10	1.62E-09	5.37E-11	2.65E-09
5253	741501.14	4112005.01	1.15E-08	2.10E-08	1.15E-09	3.37E-08	1.79E-09	3.45E-09	1.73E-10	5.41E-09	1.74E-09	2.97E-09	2.20E-10	4.93E-09	9.89E-10	1.64E-09	5.42E-11	2.68E-09
5254	741481.26	4111991.27	1.16E-08	2.12E-08	1.17E-09	3.40E-08	1.81E-09	3.48E-09	1.75E-10	5.46E-09	1.76E-09	2.99E-09	2.22E-10	4.97E-09	9.98E-10	1.65E-09	5.47E-11	2.70E-09
5255	741461.37	4111977.53	1.18E-08	2.14E-08	1.18E-09	3.44E-08	1.82E-09	3.51E-09	1.76E-10	5.51E-09	1.77E-09	3.02E-09	2.24E-10	5.02E-09	1.01E-09	1.67E-09	5.53E-11	2.73E-09
5256	741441.48	4111963.8	1.19E-08	2.16E-08	1.19E-09	3.47E-08	1.84E-09	3.55E-09	1.78E-10	5.56E-09	1.79E-09	3.05E-09	2.26E-10	5.07E-09	1.02E-09	1.68E-09	5.58E-11	2.76E-09
5257	741421.59	4111950.06	1.20E-08	2.18E-08	1.20E-09	3.50E-08	1.86E-09	3.58E-09	1.80E-10	5.62E-09	1.81E-09	3.08E-09	2.28E-10	5.11E-09	1.03E-09	1.70E-09	5.63E-11	2.78E-09
5258	741401.7	4111936.32	1.21E-08	2.20E-08	1.21E-09	3.53E-08	1.88E-09	3.61E-09	1.81E-10	5.67E-09	1.82E-09	3.11E-09	2.30E-10	5.16E-09	1.04E-09	1.71E-09	5.68E-11	2.81E-09
5259	741381.82	4111922.58	1.22E-08	2.22E-08	1.22E-09	3.57E-08	1.89E-09	3.65E-09	1.83E-10	5.72E-09	1.84E-09	3.14E-09	2.33E-10	5.21E-09	1.05E-09	1.73E-09	5.74E-11	2.83E-09
5260	741361.93	4111908.85	1.23E-08	2.25E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.78E-09	1.86E-09	3.17E-09	2.35E-10	5.26E-09	1.06E-09	1.75E-09	5.79E-11	2.86E-09
5261	741342.04	4111895.11	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.87E-10	5.83E-09	1.87E-09	3.20E-09	2.37E-10	5.31E-09	1.07E-09	1.76E-09	5.84E-11	2.89E-09
5262	741322.15	4111881.37	1.25E-08	2.28E-08	1.25E-09	3.66E-08	1.94E-09	3.74E-09	1.88E-10	5.87E-09	1.89E-09	3.22E-09	2.39E-10	5.35E-09	1.07E-09	1.78E-09	5.89E-11	2.91E-09
5263	741302.26	4111867.64	1.26E-08	2.30E-08	1.26E-09	3.68E-08	1.96E-09	3.77E-09	1.89E-10	5.91E-09	1.90E-09	3.24E-09	2.40E-10	5.38E-09	1.08E-09	1.79E-09	5.92E-11	2.93E-09
5264	741282.38	4111853.9	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.94E-09	1.91E-09	3.25E-09	2.41E-10	5.41E-09	1.08E-09	1.80E-09	5.95E-11	2.94E-09
5265	741262.49	4111840.16	1.27E-08	2.31E-08	1.27E-09	3.71E-08	1.97E-09	3.79E-09	1.90E-10	5.95E-09	1.91E-09	3.26E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.96E-11	2.95E-09
5266	741242.6	4111826.43	1.27E-08	2.31E-08	1.27E-09	3.71E-08	1.97E-09	3.79E-09	1.90E-10	5.95E-09	1.91E-09	3.26E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.96E-11	2.95E-09
5267	741222.71	4111812.69	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.94E-09	1.91E-09	3.25E-09	2.41E-10	5.41E-09	1.08E-09	1.80E-09	5.95E-11	2.94E-09
5268	741202.82	4111798.95	1.26E-08	2.30E-08	1.26E-09	3.68E-08	1.96E-09	3.77E-09	1.89E-10	5.91E-09	1.90E-09	3.24E-09	2.40E-10	5.38E-09	1.08E-09	1.79E-09	5.93E-11	2.93E-09
5269	741182.94	4111785.21	1.25E-08	2.28E-08	1.25E-09	3.66E-08	1.94E-09	3.74E-09	1.88E-10	5.88E-09	1.89E-09	3.22E-09	2.39E-10	5.35E-09	1.07E-09	1.78E-09	5.89E-11	2.91E-09
5270	741163.05	4111771.48	1.24E-08	2.27E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.87E-10	5.83E-09	1.88E-09	3.20E-09	2.37E-10	5.31E-09	1.07E-09	1.76E-09	5.84E-11	2.89E-09
5271	741143.16	4111757.74	1.23E-08	2.25E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.78E-09	1.86E-09	3.17E-09	2.35E-10	5.26E-09	1.06E-09	1.75E-09	5.80E-11	2.86E-09
5272	741123.27	4111744	1.22E-08	2.23E-08	1.22E-09	3.58E-08	1.90E-09	3.65E-09	1.84E-10	5.74E-09	1.84E-09	3.15E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.75E-11	2.84E-09
5273	741103.38	4111730.27	1.22E-08	2.21E-08	1.22E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.70E-09	1.83E-09	3.12E-09	2.32E-10	5.19E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
5274	741083.5	4111716.53	1.21E-08	2.21E-08	1.21E-09	3.54E-08	1.88E-09	3.62E-09	1.82E-10	5.68E-09	1.83E-09	3.11E-09	2.31E-10	5.17E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
5275	741063.61	4111702.79	1.21E-08	2.21E-08	1.21E-09	3.54E-08	1.88E-09	3.62E-09	1.82E-10	5.68E-09	1.83E-09	3.11E-09	2.31E-10	5.17E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
5276	741043.72	4111689.06	1.22E-08	2.22E-08	1.22E-09	3.56E-08	1.89E-09	3.64E-09	1.83E-10	5.71E-09	1.84E-09	3.13E-09	2.32E-10	5.20E-09	1.04E-09	1.73E-09	5.72E-11	2.83E-09
5277	741023.83	4111675.32	1.23E-08	2.24E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.77E-09	1.86E-09	3.16E-09	2.35E-10	5.26E-09	1.05E-09	1.75E-09	5.79E-11	2.86E-09
5278	741003.94	4111661.58	1.25E-08	2.28E-08	1.25E-09	3.65E-08	1.94E-09	3.74E-09	1.88E-10	5.86E-09	1.89E-09	3.22E-09	2.38E-10	5.34E-09	1.07E-09	1.77E-09	5.88E-11	2.90E-09
5279	740984.05	4111647.85	1.28E-08	2.33E-08	1.28E-09	3.73E-08	1.98E-09	3.81E-09	1.92E-10	5.98E-09	1.92E-09	3.28E-09	2.43E-10	5.45E-09	1.09E-09	1.81E-09	6.00E-11	2.96E-09
5280	740964.17	4111634.11	1.31E-08	2.38E-08	1.31E-09	3.82E-08	2.03E-09	3.91E-09	1.96E-10	6.13E-09	1.97E-09	3.36E-09	2.49E-10	5.58E-09	1.12E-09	1.85E-09	6.14E-11	3.04E-09
5281	740944.28	4111620.37	1.34E-08	2.45E-08	1.34E-09	3.92E-08	2.08E-09	4.01E-09	2.01E-10	6.29E-09	2.02E-09	3.45E-09	2.56E-10	5.73E-09	1.15E-09	1.90E-09	6.31E-11	3.12E-09
5282	740924.39	4111606.63	1.38E-08	2.51E-08	1.38E-09	4.03E-08	2.14E-09	4.12E-09	2.07E-10	6.46E-09	2.08E-09	3.54E-09	2.63E-10	5.89E-09	1.18E-09	1.95E-09	6.48E-11	3.20E-09
5283	740904.5	4111592.9	1.41E-08	2.58E-08	1.42E-09	4.13E-08	2.19E-09	4.23E-09	2.12E-10	6.63E-09	2.13E-09	3.64E-09	2.70E-10	6.04E-09	1.21E-09	2.01E-09	6.65E-11	3.28E-09
5284	740884.61	4111579.16	1.45E-08	2.64E-08	1.45E-09	4.23E-08	2.25E-09	4.33E-09	2.17E-10	6.79E-09	2.18E-09	3.72E-09	2.76E-10	6.19E-09	1.24E-09	2.05E-09	6.81E-11	3.36E-09
5285	740864.73	4111565.42	1.48E-08	2.69E-08	1.48E-09	4.32E-08	2.29E-09	4.42E-09	2.22E-10	6.93E-09	2.23E-09	3.80E-09	2.82E-10	6.31E-09	1.27E-09	2.10E-09	6.95E-11	3.43E-09
5286	740844.84	4111551.69	1.50E-08	2.74E-08	1.50E-09	4.39E-08	2.33E-09	4.49E-09	2.26E-10	7.05E-09	2.27E-09	3.87E-09	2.87E-10	6.42E-09	1.29E-09	2.13E-09	7.07E-11	3.49E-09
5287	740824.95	4111537.95	1.52E-08	2.78E-08	1.53E-09	4.45E-08	2.36E-09	4.55E-09	2.29E-10	7.15E-09	2.30E-09	3.92E-09	2.90E-10	6.51E-09	1.31E-09	2.16E-09	7.16E-11	3.54E-09
5288	740805.06	4111524.21	1.54E-08	2.81E-08	1.54E-09	4.50E-08	2.39E-09	4.60E-09	2.31E-10	7.22E-09	2.32E-09	3.96E-09	2.94E-10	6.58E-09	1.32E-09	2.18E-09	7.24E-11	3.58E-09
5289	740785.17	4111510.48	1.55E-08	2.83E-08	1.55E-09	4.54E-08	2.41E-09	4.64E-09	2.33E-10	7.28E-09	2.34E-09	3.99E-09	2.96E-10	6.63E-09	1.33E-09	2.20E-09	7.30E-11	3.61E-09
5290	740765.29	4111496.74	1.56E-08	2.85E-08	1.56E-09	4.57E-08	2.42E-09	4.67E-09	2.35E-10	7.33E-09	2.36E-09	4.02E-09	2.98E-10	6.67E-09	1.34E-09	2.22E-09	7.35E-11	3.63E-09
5291	740745.4	4111483	1.57E-08	2.87E-08	1.57E-09	4.60E-08	2.44E-09	4.70E-09	2.36E-10	7.38E-09	2.37E-09	4.05E-09	3.00E-10	6.72E-09	1.35E-09	2.23E-09	7.40E-11	3.65E-09
5292	740725.51	4111469.27	1.59E-08	2.89E-08	1.59E-09	4.64E-08	2.46E-09	4.74E-09	2.38E-10	7.44E-09	2.39E-09	4.08E-09	3.02E-10	6.77E-09	1.36E-09	2.25E-09	7.45E-11	3.68E-09
5293	740705.62	4111455.53	1.60E-08	2.92E-08	1.60E-09	4.68E-08	2.48E-09	4.79E-09	2.40E-10	7.51E-09	2.42E-09	4.12E-09	3.05E-10	6.84E-09	1.37E-09	2.27E-09	7.53E-11	3.72E-09
5294	740685.73	4111441.79	1.62E-08	2.96E-08	1.62E-09	4.74E-08	2.52E-09	4.84E-09	2.43E-10	7.60E-09	2.45E-09	4.17E-09	3.09E-10	6.92E-09	1.39E-09	2.30E-09	7.62E-11	3.77E-09
5295	740665.85	4111428.05	1.65E-08	3.00E-08	1.65E-09	4.81E-08	2.55E-09	4.92E-09	2.47E-10	7.72E-09	2.48E-09	4.23E-09	3.14E-10	7.03E-09	1.41E-09	2.34E-09	7.74E-11	3.82E-09
5296	740645.96	4111414.32	1.68E-08	3.06E-08	1.68E-09	4.90E-08	2.60E-09	5.01E-09	2.52E-10	7.86E-09	2.53E-09	4.31E-09	3.20E-10	7.16E-09	1.44E-09	2.38E-09	7.88E-11	3.89E-09
5297	740626.07	4111400.58	1.71E-08	3.12E-08	1.71E-09	5.00E-08	2.66E-09	5.12E-09	2.57E-10	8.03E-09	2.58E-09	4.40E-09	3.26E-10	7.31E-09	1.47E-09	2.43E-09	8.05E-11	3.98E-09
5298	740606.18	4111386.84	1.75E-08	3.19E-08	1.75E-09	5.12E-08	2.71E-09	5.23E-09	2.63E-10	8.21E-09	2.64E-09	4.50E-09	3.34E-10	7.47E-09	1.50E-09	2.48E-09	8.23E-11	4.06E-09
5299	740586.29	4111373.11	1.79E-08	3.26E-08	1.79E-09	5.23E-08	2.78E-09	5.35E-09	2.69E-10	8.40E-09	2.70E-09	4.60E-09	3.41E-10	7.65E-09	1.53E-09	2.54E-09	8.42E-11	4.16E-09
5300	740566.41	4111359.37	1.83E-08	3.34E-08	1.83E-09	5.35E-08	2.84E-09	5.47E-09	2.75E-10	8.58E-09	2.76E-09	4.71E-09	3.49E-10	7.82E-09	1.57E-09	2.60E-09	8.60E-11	4.25E-09
5301	740546.52	4111345.63	1.87E-08	3.41E-08	1.87E-09	5.46E-08	2.90E-09	5.59E-09	2.81E-10	8.76E-09	2.82E-09	4.81E-09	3.56E-10	7.98E-09	1.60E-09	2.65E-09	8.79E-11	4.34E-09
5302	740526.63	4111331.9	1.91E-08	3.47E-08	1.91E-09	5.57E-08	2.96E-09	5.69E-09	2.86E-10	8.94E-09	2.87E-09	4.90E-09	3.63E-10	8.14E-09	1.63E-09	2.70E-09	8.96E-11	4.43E-09
5303	740506.74	4111318.16	1.94E-08	3.53E-08	1.94E-09	5.67E-08	3.01E-09	5.79E-09	2.91E-10	9.09E-09	2.92E-09	4.98E-09	3.69E-10	8.28E-09	1.66E-09	2.75E-09	9.11E-11	4.50E-09
5304	740486.85	4111304.42	1.97E-08	3.58E-08	1.97E-09	5.75E-08	3.05E-09	5.88E-09	2.95E-10	9.22E-09	2.97E-09	5.06E-09	3.75E-10	8.40E-09	1.69E-09	2.79E-09	9.24E-11	4.57E-09
5305	740466.96	4111290.68	1.99E-08	3.63E-08	1.99E-09	5.81E-08	3.09E-09	5.94E-09	2.99E-10	9.33E-09	3.00E-09	5.11E-09	3.79E-10	8.49E-09	1.70E-09	2.82E-09	9.35E-11	4.62E-09
5306	740447.08	4111276.95	2.01E-08	3.66E-08	2.01E-09	5.87E-08	3.11E-09	6.00E-09	3.01E-10	9.41E-09	3.03E-09	5.16E-09	3.83E-10	8.57E-09	1.72E-09	2.85E-09	9.44E-11	4.66E-09
5307	740427.19	4111263.21	2.02E-08	3.68E-08	2.02E-09	5.91E-08	3.13E-09	6.04E-09	3.03E-10	9.48E-09	3.05E-09	5.20E-09	3.85E-10	8.63E-09	1.73E-09	2.87E-09	9.50E-11	4.69E-09
5308	740407.3	4111249.47	2.03E-08	3.70E-08	2.03E-09	5.93E-08	3.15E-09	6.07E-09	3.05E-10	9.52E-09	3.06E-09	5.22E-09	3.87E-10	8.67E-09	1.74E-09	2.88E-09	9.54E-11	4.71E-09
5309	740387.41	4111235.74	2.03E-08	3.71E-08	2.04E-09	5.94E-08	3.15E-09	6.08E-09	3.05E-10	9.54E-09	3.07E-09	5.23E-09	3.88E-10	8.68E-09	1.74E-09	2.88E-09	9.56E-11	4.72E-09
5310	740367.52	4111222	2.03E-08	3.71E-08	2.04E-09	5.94E-08	3.15E-09	6.08E-09	3.05E-10	9.54E-09	3.07E-09	5.23E-09	3.88E-10	8.68E-09	1.74E-09	2.88E-09	9.56E-11	4.72E-09
5311	740347.64	4111208.26	2.03E-08	3.70E-08	2.03E-09	5.93E-08	3.15E-09	6.06E-09	3.05E-10	9.51E-09	3.06E-09	5.22E-09	3.87E-10	8.66E-09	1.74E-09	2.88E-09	9.54E-11	4.71E-09
5312	742988.13	4111750.44	5.70E-09	1.04E-08	5.70E-10	1.66E-08	8.84E-10	1.70E-09	8.55E-11	2.67E-09	8.59E-10	1.46E-09	1.09E-10	2.43E-09	4.88E-10	8.08E-10	2.68E-11	1.32E-09
5313	743008.24	4111736.95	5.65E-09	1.03E-08	5.66E-10	1.65E-08	8.77E-10	1.69E-09	8.48E-11	2.65E-09	8.52E-10	1.45E-09	1.08E-10	2.41E-09	4.84E-10	8.01E-10	2.66E-11	1.31E-09
5314	743028.35	4111723.45	5.60E-09	1.02E-08	5.60E-10	1.64E-08	8.68E-10	1.67E-09	8.41E-11	2.63E-09	8.44E-10	1.44E-09	1.07E-10	2.39E-09	4.80E-10	7.94E-10	2.63E-11	1.30E-09
5315	743048.46	4111709.96	5.54E-09	1.01E-08	5.54E-10	1.62E-08	8.59E-10	1.66E-09	8.32E-11	2.60E-09	8.36E-10	1.42E-09	1.06E-10	2.37E-09	4.75E-10	7.86E-10	2.60E-11	1.29E-09
5316	743068.57	4111696.47	5.48E-09	9.99E-09	5.49E-10	1.60E-08	8.50E-10	1.64E-09	8.23E-11	2.57E-09	8.27E-10	1.41E-09	1.04E-10	2.34E-09	4.70E-10	7.77E-10	2.58E-11	1.27E-09
5317	743088.68	4111682.98	5.44E-09	9.91E-09	5.44E-10	1.59E-08	8.43E-10	1.62E-09	8.16E-11	2.55E-09	8.20E-10	1.40E-09	1.04E-10	2.32E-09	4.66E-10	7.71E-10	2.56E-11	1.26E-09
5318	743108.79	4111669.48	5.41E-09	9.85E-09	5.41E-10	1.58E-08	8.38E-10	1.61E-09	8.11E-11	2.53E-09	8.15E-10	1.39E-09	1.03E-10	2.31E-09	4.63E-10	7.66E-10	2.54E-11	1.25E-09
5319	743128.9	4111655.99	5.40E-09	9.83E-09	5.40E-10	1.58E-08	8.37E-10	1.61E-09	8.10E-11	2.53E-09	8.14E-10	1.39E-09	1.03E-10	2.30E-09	4.62E-10	7.65E-10	2.54E-11	1.25E-09
5320	743149.01	4111642.5	5.42E-09	9.88E-09	5.42E-10	1.58E-08	8.41E-10	1.62E-09	8.14E-11	2.54E-09	8.17E-10	1.39E-09	1.03E-10	2.31E-09	4.64E-10	7.69E-10	2.55E-11	1.26E-09
5321	743169.12	4111629.01	5.48E-09	9.99E-09	5.48E-10	1.60E-08	8.50E-10	1.64E-09	8.23E-11	2.57E-09	8.27E-10	1.41E-09	1.04E-10	2.34E-09	4.70E-10	7.77E-10	2.58E-11	1.27E-09
5322	743189.23	4111615.51	5.59E-09	1.02E-08	5.59E-10	1.63E-08	8.66E-10	1.67E-09	8.38E-11	2.62E-09	8.42E-10	1.44E-09	1.06E-10	2.38E-09	4.79E-10	7.92E-10	2.62E-11	1.30E-09
5323	743209.34	4111602.02	5.73E-09	1.04E-08	5.73E-10	1.67E-08	8.89E-10	1.71E-09	8.60E-11	2.69E-09	8.64E-10	1.47E-09	1.09E-10	2.45E-09	4.91E-10	8.12E-10	2.69E-11	1.33E-09
5324	743229.45	4111588.53	5.92E-09	1.08E-08	5.92E-10	1.73E-08	9.18E-10	1.77E-09	8.89E-11	2.78E-09	8.93E-10	1.52E-09	1.13E-10	2.53E-09	5.07E-10	8.40E-10	2.78E-11	1.37E-09
5325	743249.56	4111575.04	6.15E-09	1.12E-08	6.15E-10	1.80E-08	9.53E-10	1.84E-09	9.22E-11	2.88E-09	9.27E-10	1.58E-09	1.17E-10	2.62E-09	5.27E-10	8.71E-10	2.89E-11	1.43E-09
5326	743187.31	4112087.22	4.47E-09	8.15E-09	4.48E-10	1.31E-08	6.94E-10	1.34E-09	6.71E-11	2.10E-09	6.75E-10	1.15E-09	8.52E-11	1.91E-09	3.83E-10	6.34E-10	2.10E-11	1.04E-09
5327	743163.64	4112091.83	4.52E-09	8.23E-09	4.52E-10	1.32E-08	7.01E-10	1.35E-09	6.78E-11	2.12E-09	6.81E-10	1.16E-09	8.61E-11	1.93E-09	3.87E-10	6.41E-10	2.12E-11	1.05E-09
5328	743139.96	4112096.44	4.56E-09	8.30E-09	4.56E-10	1.33E-08	7.06E-10	1.36E-09	6.84E-11	2.14E-09	6.87E-10	1.17E-09	8.68E-11	1.94E-09	3.90E-10	6.46E-10	2.14E-11	1.06E-09
5329	743116.29	4112101.06	4.58E-09	8.35E-09	4.58E-10	1.34E-08	7.11E-10	1.37E-09	6.88E-11	2.15E-09	6.91E-10	1.18E-09	8.73E-11	1.96E-09	3.93E-10	6.50E-10	2.15E-11	1.06E-09
5330	743092.62	4112105.67	4.60E-09	8.38E-09	4.60E-10	1.34E-08	7.14E-10	1.37E-09	6.91E-11	2.16E-09	6.94E-10	1.18E-09	8.77E-11	1.96E-09	3.94E-10	6.52E-10	2.16E-11	1.07E-09
5331	743068.94	4112110.29	4.61E-09	8.40E-09	4.61E-10	1.35E-08	7.15E-10	1.38E-09	6.92E-11	2.16E-09	6.95E-10	1.19E-09	8.78E-11	1.97E-09	3.95E-10	6.54E-10	2.17E-11	1.07E-09
5332	743045.27	4112114.9	4.61E-09	8.40E-09	4.61E-10	1.35E-08	7.15E-10	1.38E-09	6.92E-11	2.16E-09	6.95E-10	1.19E-09	8.79E-11	1.97E-09	3.95E-10	6.54E-10	2.17E-11	1.07E-09
5333	743021.59	4112119.51	4.61E-09	8.40E-09	4.61E-10	1.35E-08	7.15E-10	1.38E-09	6.92E-11	2.16E-09	6.95E-10	1.19E-09	8.78E-11	1.97E-09	3.95E-10	6.54E-10	2.17E-11	1.07E-09
5334	742997.92	4112124.13	4.60E-09	8.39E-09	4.61E-10	1.35E-08	7.14E-10	1.38E-09	6.91E-11	2.16E-09	6.94E-10	1.18E-09	8.77E-11	1.97E-09	3.94E-10	6.53E-10	2.16E-11	1.07E-09
5335	742974.25	4112128.74	4.60E-09	8.38E-09	4.60E-10	1.34E-08	7.13E-10	1.37E-09	6.90E-11	2.16E-09	6.94E-10	1.18E-09	8.76E-11	1.96E-09	3.94E-10	6.52E-10	2.16E-11	1.07E-09
5336	742950.57	4112133.35	4.60E-09	8.38E-09	4.60E-10	1.34E-08	7.13E-10	1.37E-09	6.90E-11	2.16E-09	6.94E-10	1.18E-09	8.76E-11	1.96E-09	3.94E-10	6.52E-10	2.16E-11	1.07E-09

5337	742926.9	4112137.97	4.61E-09	8.39E-09	4.61E-10	1.35E-08	7.14E-10	1.38E-09	6.91E-11	2.16E-09	6.94E-10	1.18E-09	8.78E-11	1.97E-09	3.95E-10	6.53E-10	2.16E-11	1.07E-09
5338	742903.22	4112142.58	4.62E-09	8.42E-09	4.62E-10	1.35E-08	7.17E-10	1.38E-09	6.93E-11	2.17E-09	6.97E-10	1.19E-09	8.80E-11	1.97E-09	3.96E-10	6.55E-10	2.17E-11	1.07E-09
5339	742879.55	4112147.2	4.65E-09	8.47E-09	4.65E-10	1.36E-08	7.21E-10	1.39E-09	6.98E-11	2.18E-09	7.01E-10	1.20E-09	8.86E-11	1.98E-09	3.98E-10	6.59E-10	2.18E-11	1.08E-09
5340	742855.87	4112151.81	4.69E-09	8.55E-09	4.69E-10	1.37E-08	7.28E-10	1.40E-09	7.04E-11	2.20E-09	7.08E-10	1.21E-09	8.94E-11	2.00E-09	4.02E-10	6.65E-10	2.21E-11	1.09E-09
5341	742832.2	4112156.42	4.75E-09	8.66E-09	4.76E-10	1.39E-08	7.37E-10	1.42E-09	7.13E-11	2.23E-09	7.17E-10	1.22E-09	9.06E-11	2.03E-09	4.07E-10	6.74E-10	2.23E-11	1.10E-09
5342	742808.53	4112161.04	4.82E-09	8.79E-09	4.83E-10	1.41E-08	7.48E-10	1.44E-09	7.24E-11	2.26E-09	7.27E-10	1.24E-09	9.19E-11	2.06E-09	4.13E-10	6.84E-10	2.27E-11	1.12E-09
5343	742784.85	4112165.65	4.91E-09	8.95E-09	4.92E-10	1.44E-08	7.62E-10	1.47E-09	7.37E-11	2.30E-09	7.41E-10	1.26E-09	9.36E-11	2.10E-09	4.21E-10	6.97E-10	2.31E-11	1.14E-09
5344	742761.18	4112170.27	5.01E-09	9.13E-09	5.02E-10	1.46E-08	7.77E-10	1.50E-09	7.52E-11	2.35E-09	7.56E-10	1.29E-09	9.55E-11	2.14E-09	4.30E-10	7.11E-10	2.36E-11	1.16E-09
5345	742737.5	4112174.88	5.13E-09	9.34E-09	5.13E-10	1.50E-08	7.95E-10	1.53E-09	7.70E-11	2.40E-09	7.73E-10	1.32E-09	9.77E-11	2.19E-09	4.39E-10	7.27E-10	2.41E-11	1.19E-09
5346	742713.83	4112179.49	5.25E-09	9.57E-09	5.25E-10	1.53E-08	8.14E-10	1.57E-09	7.88E-11	2.46E-09	7.92E-10	1.35E-09	1.00E-10	2.24E-09	4.50E-10	7.45E-10	2.47E-11	1.22E-09
5347	742690.16	4112184.11	5.39E-09	9.81E-09	5.39E-10	1.57E-08	8.35E-10	1.61E-09	8.08E-11	2.52E-09	8.12E-10	1.38E-09	1.03E-10	2.30E-09	4.61E-10	7.64E-10	2.53E-11	1.25E-09
5348	742666.48	4112188.72	5.53E-09	1.01E-08	5.53E-10	1.62E-08	8.58E-10	1.65E-09	8.30E-11	2.59E-09	8.34E-10	1.42E-09	1.05E-10	2.36E-09	4.74E-10	7.84E-10	2.60E-11	1.28E-09
5349	742642.81	4112193.33	5.68E-09	1.04E-08	5.69E-10	1.66E-08	8.82E-10	1.70E-09	8.53E-11	2.67E-09	8.57E-10	1.46E-09	1.08E-10	2.43E-09	4.87E-10	8.06E-10	2.67E-11	1.32E-09
5350	742619.13	4112197.95	5.84E-09	1.06E-08	5.84E-10	1.71E-08	9.05E-10	1.74E-09	8.76E-11	2.74E-09	8.80E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.28E-10	2.74E-11	1.36E-09
5351	742595.46	4112202.56	6.00E-09	1.09E-08	6.00E-10	1.75E-08	9.30E-10	1.79E-09	9.00E-11	2.81E-09	9.04E-10	1.54E-09	1.14E-10	2.56E-09	5.14E-10	8.50E-10	2.82E-11	1.39E-09
5352	742571.79	4112207.18	6.16E-09	1.12E-08	6.16E-10	1.80E-08	9.55E-10	1.84E-09	9.24E-11	2.89E-09	9.28E-10	1.58E-09	1.17E-10	2.63E-09	5.27E-10	8.73E-10	2.89E-11	1.43E-09
5353	742548.11	4112211.79	6.31E-09	1.15E-08	6.31E-10	1.84E-08	9.78E-10	1.88E-09	9.47E-11	2.96E-09	9.51E-10	1.62E-09	1.20E-10	2.69E-09	5.41E-10	8.95E-10	2.96E-11	1.46E-09
5354	742524.44	4112216.4	6.46E-09	1.18E-08	6.46E-10	1.89E-08	1.00E-09	1.93E-09	9.69E-11	3.03E-09	9.74E-10	1.66E-09	1.23E-10	2.76E-09	5.53E-10	9.16E-10	3.04E-11	1.50E-09
5355	742500.76	4112221.02	6.59E-09	1.20E-08	6.60E-10	1.93E-08	1.02E-09	1.97E-09	9.90E-11	3.09E-09	9.94E-10	1.70E-09	1.26E-10	2.82E-09	5.65E-10	9.35E-10	3.10E-11	1.53E-09
5356	742477.09	4112225.63	6.72E-09	1.22E-08	6.72E-10	1.96E-08	1.04E-09	2.01E-09	1.01E-10	3.15E-09	1.01E-09	1.73E-09	1.28E-10	2.87E-09	5.76E-10	9.52E-10	3.16E-11	1.56E-09
5357	742453.42	4112230.24	6.82E-09	1.24E-08	6.83E-10	1.99E-08	1.06E-09	2.04E-09	1.02E-10	3.20E-09	1.03E-09	1.75E-09	1.30E-10	2.91E-09	5.85E-10	9.67E-10	3.21E-11	1.58E-09
5358	742429.74	4112234.86	6.91E-09	1.26E-08	6.92E-10	2.02E-08	1.07E-09	2.07E-09	1.04E-10	3.24E-09	1.04E-09	1.78E-09	1.32E-10	2.95E-09	5.92E-10	9.80E-10	3.25E-11	1.61E-09
5359	742406.07	4112239.47	6.98E-09	1.27E-08	6.99E-10	2.04E-08	1.08E-09	2.09E-09	1.05E-10	3.27E-09	1.05E-09	1.80E-09	1.33E-10	2.98E-09	5.98E-10	9.90E-10	3.28E-11	1.62E-09
5360	742382.39	4112244.09	7.03E-09	1.28E-08	7.03E-10	2.05E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.00E-09	6.02E-10	9.97E-10	3.30E-11	1.63E-09
5361	742358.72	4112248.7	7.07E-09	1.29E-08	7.07E-10	2.06E-08	1.10E-09	2.11E-09	1.06E-10	3.31E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.05E-10	1.00E-09	3.32E-11	1.64E-09
5362	742335.05	4112253.31	7.08E-09	1.29E-08	7.09E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.07E-10	1.00E-09	3.33E-11	1.64E-09
5363	742311.37	4112257.93	7.09E-09	1.29E-08	7.10E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.33E-09	1.07E-09	1.82E-09	1.35E-10	3.03E-09	6.08E-10	1.01E-09	3.33E-11	1.65E-09
5364	742287.7	4112262.54	7.09E-09	1.29E-08	7.10E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.03E-09	6.08E-10	1.01E-09	3.33E-11	1.65E-09
5365	742264.02	4112267.15	7.09E-09	1.29E-08	7.09E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.03E-09	6.07E-10	1.00E-09	3.33E-11	1.65E-09
5366	742240.35	4112271.77	7.08E-09	1.29E-08	7.08E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.07E-10	1.00E-09	3.33E-11	1.64E-09
5367	742216.67	4112276.38	7.08E-09	1.29E-08	7.08E-10	2.07E-08	1.10E-09	2.11E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.06E-10	1.00E-09	3.33E-11	1.64E-09
5368	742193	4112281	7.08E-09	1.29E-08	7.08E-10	2.07E-08	1.10E-09	2.11E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.06E-10	1.00E-09	3.33E-11	1.64E-09
5369	742169.33	4112285.61	7.09E-09	1.29E-08	7.10E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.33E-09	1.07E-09	1.82E-09	1.35E-10	3.03E-09	6.08E-10	1.01E-09	3.33E-11	1.65E-09
5370	742145.65	4112290.22	7.12E-09	1.30E-08	7.13E-10	2.08E-08	1.10E-09	2.13E-09	1.07E-10	3.34E-09	1.07E-09	1.83E-09	1.36E-10	3.04E-09	6.10E-10	1.01E-09	3.35E-11	1.65E-09
5371	742121.98	4112294.84	7.16E-09	1.31E-08	7.17E-10	2.09E-08	1.11E-09	2.14E-09	1.08E-10	3.36E-09	1.08E-09	1.84E-09	1.36E-10	3.06E-09	6.14E-10	1.02E-09	3.37E-11	1.66E-09
5372	742098.3	4112299.45	7.21E-09	1.31E-08	7.21E-10	2.11E-08	1.12E-09	2.15E-09	1.08E-10	3.38E-09	1.09E-09	1.85E-09	1.37E-10	3.08E-09	6.18E-10	1.02E-09	3.39E-11	1.67E-09
5373	742074.63	4112304.06	7.27E-09	1.32E-08	7.27E-10	2.12E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.38E-10	3.10E-09	6.23E-10	1.03E-09	3.42E-11	1.69E-09
5374	742050.96	4112308.68	7.34E-09	1.34E-08	7.34E-10	2.14E-08	1.14E-09	2.19E-09	1.10E-10	3.44E-09	1.11E-09	1.89E-09	1.40E-10	3.13E-09	6.29E-10	1.04E-09	3.45E-11	1.70E-09
5375	742027.28	4112313.29	7.41E-09	1.35E-08	7.42E-10	2.17E-08	1.15E-09	2.21E-09	1.11E-10	3.48E-09	1.12E-09	1.91E-09	1.41E-10	3.16E-09	6.35E-10	1.05E-09	3.48E-11	1.72E-09
5376	742003.61	4112317.91	7.49E-09	1.37E-08	7.50E-10	2.19E-08	1.16E-09	2.24E-09	1.12E-10	3.51E-09	1.13E-09	1.93E-09	1.43E-10	3.20E-09	6.42E-10	1.06E-09	3.52E-11	1.74E-09
5377	741979.93	4112322.52	7.58E-09	1.38E-08	7.58E-10	2.21E-08	1.18E-09	2.26E-09	1.14E-10	3.55E-09	1.14E-09	1.95E-09	1.44E-10	3.24E-09	6.49E-10	1.07E-09	3.56E-11	1.76E-09
5378	741956.26	4112327.13	7.67E-09	1.40E-08	7.68E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.60E-09	1.16E-09	1.97E-09	1.46E-10	3.28E-09	6.57E-10	1.09E-09	3.61E-11	1.78E-09
5379	741932.59	4112331.75	7.77E-09	1.42E-08	7.77E-10	2.27E-08	1.20E-09	2.32E-09	1.17E-10	3.64E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.66E-10	1.10E-09	3.65E-11	1.80E-09
5380	741908.91	4112336.36	7.86E-09	1.43E-08	7.87E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.69E-09	1.19E-09	2.02E-09	1.50E-10	3.36E-09	6.74E-10	1.12E-09	3.70E-11	1.83E-09
5381	741885.24	4112340.98	7.96E-09	1.45E-08	7.96E-10	2.33E-08	1.23E-09	2.38E-09	1.19E-10	3.73E-09	1.20E-09	2.05E-09	1.52E-10	3.40E-09	6.82E-10	1.13E-09	3.74E-11	1.85E-09
5382	741861.56	4112345.59	8.05E-09	1.47E-08	8.05E-10	2.35E-08	1.25E-09	2.40E-09	1.21E-10	3.77E-09	1.21E-09	2.07E-09	1.53E-10	3.44E-09	6.90E-10	1.14E-09	3.78E-11	1.87E-09
5383	741837.89	4112350.2	8.13E-09	1.48E-08	8.14E-10	2.38E-08	1.26E-09	2.43E-09	1.22E-10	3.81E-09	1.23E-09	2.09E-09	1.55E-10	3.47E-09	6.97E-10	1.15E-09	3.82E-11	1.89E-09
5384	741814.22	4112354.82	8.21E-09	1.50E-08	8.21E-10	2.40E-08	1.27E-09	2.45E-09	1.23E-10	3.85E-09	1.24E-09	2.11E-09	1.56E-10	3.50E-09	7.03E-10	1.16E-09	3.86E-11	1.91E-09
5385	741790.54	4112359.43	8.28E-09	1.51E-08	8.28E-10	2.42E-08	1.28E-09	2.47E-09	1.24E-10	3.88E-09	1.25E-09	2.13E-09	1.58E-10	3.53E-09	7.09E-10	1.17E-09	3.89E-11	1.92E-09
5386	741766.87	4112364.04	8.34E-09	1.52E-08	8.35E-10	2.44E-08	1.29E-09	2.49E-09	1.25E-10	3.91E-09	1.26E-09	2.14E-09	1.59E-10	3.56E-09	7.15E-10	1.18E-09	3.92E-11	1.94E-09
5387	741743.19	4112368.66	8.40E-09	1.53E-08	8.41E-10	2.45E-08	1.30E-09	2.51E-09	1.26E-10	3.94E-09	1.27E-09	2.16E-09	1.60E-10	3.59E-09	7.20E-10	1.19E-09	3.95E-11	1.95E-09
5388	741719.52	4112373.27	8.46E-09	1.54E-08	8.46E-10	2.47E-08	1.31E-09	2.53E-09	1.27E-10	3.97E-09	1.28E-09	2.17E-09	1.61E-10	3.61E-09	7.25E-10	1.20E-09	3.98E-11	1.96E-09
5389	741695.85	4112377.89	8.51E-09	1.55E-08	8.51E-10	2.49E-08	1.32E-09	2.54E-09	1.28E-10	3.99E-09	1.28E-09	2.19E-09	1.62E-10	3.63E-09	7.29E-10	1.21E-09	4.00E-11	1.98E-09
5390	741672.17	4112382.5	8.56E-09	1.56E-08	8.56E-10	2.50E-08	1.33E-09	2.56E-09	1.28E-10	4.01E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.33E-10	1.21E-09	4.02E-11	1.99E-09
5391	741648.5	4112387.11	8.60E-09	1.57E-08	8.61E-10	2.51E-08	1.33E-09	2.57E-09	1.29E-10	4.03E-09	1.30E-09	2.21E-09	1.64E-10	3.67E-09	7.37E-10	1.22E-09	4.04E-11	2.00E-09
5392	741624.82	4112391.73	8.65E-09	1.58E-08	8.65E-10	2.53E-08	1.34E-09	2.58E-09	1.30E-10	4.05E-09	1.30E-09	2.22E-09	1.65E-10	3.69E-09	7.41E-10	1.23E-09	4.06E-11	2.01E-09
5393	741601.15	4112396.34	8.68E-09	1.58E-08	8.69E-10	2.54E-08	1.35E-09	2.59E-09	1.30E-10	4.07E-09	1.31E-09	2.23E-09	1.65E-10	3.71E-09	7.44E-10	1.23E-09	4.08E-11	2.02E-09
5394	741577.47	4112400.95	8.71E-09	1.59E-08	8.72E-10	2.55E-08	1.35E-09	2.60E-09	1.31E-10	4.09E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.47E-10	1.24E-09	4.10E-11	2.02E-09
5395	741553.8	4112405.57	8.74E-09	1.59E-08	8.74E-10	2.55E-08	1.36E-09	2.61E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.73E-09	7.49E-10	1.24E-09	4.11E-11	2.03E-09
5396	741530.13	4112410.18	8.76E-09	1.60E-08	8.76E-10	2.56E-08	1.36E-09	2.62E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.50E-10	1.24E-09	4.11E-11	2.03E-09
5397	741506.45	4112414.8	8.76E-09	1.60E-08	8.77E-10	2.56E-08	1.36E-09	2.62E-09	1.32E-10	4.11E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.51E-10	1.24E-09	4.12E-11	2.03E-09
5398	741482.78	4112419.41	8.76E-09	1.60E-08	8.77E-10	2.56E-08	1.36E-09	2.62E-09	1.31E-10	4.11E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.51E-10	1.24E-09	4.12E-11	2.03E-09
5399	741439.26	4112410.32	8.82E-09	1.61E-08	8.83E-10	2.58E-08	1.37E-09	2.64E-09	1.32E-10	4.14E-09	1.33E-09	2.27E-09	1.68E-10	3.77E-09	7.56E-10	1.25E-09	4.15E-11	2.05E-09
5400	741419.41	4112396.61	8.89E-09	1.62E-08	8.89E-10	2.60E-08	1.38E-09	2.66E-09	1.33E-10	4.17E-09	1.34E-09	2.28E-09	1.69E-10	3.79E-09	7.62E-10	1.26E-09	4.18E-11	2.06E-09
5401	741399.57	4112382.9	8.95E-09	1.63E-08	8.96E-10	2.62E-08	1.39E-09	2.67E-09	1.34E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.82E-09	7.67E-10	1.27E-09	4.21E-11	2.08E-09
5402	741379.72	4112369.19	9.01E-09	1.64E-08	9.02E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.23E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.72E-10	1.28E-09	4.24E-11	2.09E-09
5403	741359.88	4112355.48	9.07E-09	1.65E-08	9.08E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.77E-10	1.29E-09	4.26E-11	2.11E-09
5404	741340.03	4112341.78	9.14E-09	1.66E-08	9.14E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.28E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.83E-10	1.30E-09	4.29E-11	2.12E-09
5405	741320.18	4112328.07	9.20E-09	1.68E-08	9.21E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.31E-09	1.39E-09	2.37E-09	1.75E-10	3.93E-09	7.89E-10	1.30E-09	4.32E-11	2.14E-09
5406	741300.34	4112314.36	9.27E-09	1.69E-08	9.28E-10	2.71E-08	1.44E-09	2.77E-09	1.39E-10	4.35E-09	1.40E-09	2.38E-09	1.77E-10	3.96E-09	7.95E-10	1.31E-09	4.36E-11	2.15E-09
5407	741280.49	4112300.65	9.35E-09	1.70E-08	9.36E-10	2.73E-08	1.45E-09	2.79E-09	1.40E-10	4.38E-09	1.41E-09	2.40E-09	1.78E-10	3.99E-09	8.01E-10	1.33E-09	4.39E-11	2.17E-09
5408	741260.65	4112286.95	9.43E-09	1.72E-08	9.44E-10	2.76E-08	1.46E-09	2.82E-09	1.42E-10	4.42E-09	1.42E-09	2.43E-09	1.80E-10	4.03E-09	8.08E-10	1.34E-09	4.43E-11	2.19E-09
5409	741240.8	4112273.24	9.52E-09	1.73E-08	9.53E-10	2.78E-08	1.48E-09	2.84E-09	1.43E-10	4.46E-09	1.44E-09	2.45E-09	1.81E-10	4.06E-09	8.16E-10	1.35E-09	4.47E-11	2.21E-09
5410	741220.96	4112259.53	9.61E-09	1.75E-08	9.62E-10	2.81E-08	1.49E-09	2.87E-09	1.44E-10	4.51E-09	1.45E-09	2.47E-09	1.83E-10	4.10E-09	8.23E-10	1.36E-09	4.52E-11	2.23E-09
5411	741201.11	4112245.82	9.70E-09	1.77E-08	9.70E-10	2.83E-08	1.50E-09	2.90E-09	1.46E-10	4.55E-09	1.46E-09	2.49E-09	1.85E-10	4.14E-09	8.31E-10	1.38E-09	4.56E-11	2.25E-09
5412	741181.27	4112232.12	9.77E-09	1.78E-08	9.78E-10	2.86E-08	1.52E-09	2.92E-09	1.47E-10	4.58E-09	1.47E-09	2.51E-09	1.86E-10	4.17E-09	8.38E-10	1.39E-09	4.59E-11	2.27E-09
5413	741161.42	4112218.41	9.84E-09	1.79E-08	9.85E-10	2.88E-08	1.53E-09	2.94E-09	1.48E-10	4.61E-09	1.48E-09	2.53E-09	1.88E-10	4.20E-09	8.43E-10	1.40E-09	4.63E-11	2.28E-09
5414	741141.57	4112204.7	9.89E-09	1.80E-08	9.90E-10	2.89E-08	1.53E-09	2.96E-09	1.48E-10	4.64E-09	1.49E-09	2.54E-09	1.89E-10	4.22E-09	8.48E-10	1.40E-09	4.65E-11	2.30E-09
5415	741121.73	4112190.99	9.93E-09	1.81E-08	9.93E-10	2.90E-08	1.54E-09	2.97E-09	1.49E-10	4.65E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.51E-10	1.41E-09	4.67E-11	2.31E-09
5416	741101.88	4112177.29	9.94E-09	1.81E-08	9.95E-10	2.91E-08	1.54E-09	2.97E-09	1.49E-10	4.66E-09	1.50E-09	2.56E-09	1.89E-10	4.24E-09	8.52E-10	1.41E-09	4.67E-11	2.31E-09
5417	741082.04	4112163.58	9.93E-09	1.81E-08	9.94E-10	2.90E-08	1.54E-09	2.97E-09	1.49E-10	4.66E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.51E-10	1.41E-09	4.67E-11	2.31E-09
5418	741062.19	4112149.87	9.90E-09	1.80E-08	9.91E-10	2.89E-08	1.54E-09	2.96E-09	1.49E-10	4.64E-09	1.49E-09	2.55E-09	1.89E-10	4.23E-09	8.49E-10	1.40E-09	4.65E-11	2.30E-09
5419	741042.35	4112136.16	9.85E-09	1.80E-08	9.86E-10	2.88E-08	1.53E-09	2.94E-09	1.48E-10	4.62E-09	1.49E-09	2.53E-09	1.88E-10	4.21E-09	8.44E-10	1.40E-09	4.63E-11	2.29E-09
5420	741022.5	4112122.46	9.78E-09	1.78E-08	9.78E-10	2.86E-08	1.52E-09	2.92E-09	1.47E-10	4.58E-09	1.47E-09	2.51E-09	1.86E-10	4.17E-09	8.38E-10	1.39E-09	4.59E-11	2.27E-09
5421	741002.65	4112108.75	9.69E-09	1.77E-08	9.69E-10	2.83E-08	1.50E-09	2.89E-09	1.45E-10	4.54E-09	1.46E-09	2.49E-09	1.85E-10	4.14E-09	8.30E-10	1.37E-09	4.55E-11	2.25E-09
5422	740982.81	4112095.04	9.59E-09	1.75E-08	9.60E-10	2.80E-08	1.49E-09	2.87E-09	1.44E-10	4.50E-09	1.45E-09	2.47E-09	1.83E-10	4.10E-09	8.22E-10	1.36E-09	4.51E-11	2.23E-09
5423	740962.96	4112081.33	9.50E-09	1.73E-08	9.50E-10	2.78E-08	1.47E-09	2.84E-09	1.43E-10	4.45E-09	1.43E-09	2.44E-09	1.81E-10	4.06E-09	8.14E-10	1.35E-09	4.46E-11	2.21E-09
5424	740943.12	4112067.62	9.41E-09	1.71E-08	9.42E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.06E-10	1.33E-09	4.42E-11	2.18E-09
5425	740923.27	4112053.92	9.34E-09	1.70E-08	9.34E-10	2.73E-08	1.45E-09	2.79E-09	1.40E-10	4.38E-09	1.41E-09	2.40E-09	1.78E-10	3.99E-09	8.00E-10	1.32E-09	4.39E-11	2.17E-09

5426	740903.43	4112040.21	9.29E-09	1.69E-08	9.29E-10	2.71E-08	1.44E-09	2.78E-09	1.39E-10	4.35E-09	1.40E-09	2.39E-09	1.77E-10	3.97E-09	7.96E-10	1.32E-09	4.37E-11	2.16E-09
5427	740883.58	4112026.5	9.28E-09	1.69E-08	9.28E-10	2.71E-08	1.44E-09	2.77E-09	1.39E-10	4.35E-09	1.40E-09	2.39E-09	1.77E-10	3.96E-09	7.95E-10	1.32E-09	4.36E-11	2.15E-09
5428	740863.74	4112012.79	9.30E-09	1.70E-08	9.31E-10	2.72E-08	1.44E-09	2.78E-09	1.40E-10	4.36E-09	1.40E-09	2.39E-09	1.77E-10	3.97E-09	7.97E-10	1.32E-09	4.37E-11	2.16E-09
5429	740843.89	4111999.09	9.37E-09	1.71E-08	9.37E-10	2.74E-08	1.45E-09	2.80E-09	1.41E-10	4.39E-09	1.41E-09	2.41E-09	1.79E-10	4.00E-09	8.03E-10	1.33E-09	4.40E-11	2.18E-09
5430	740824.04	4111985.38	9.48E-09	1.73E-08	9.49E-10	2.77E-08	1.47E-09	2.83E-09	1.42E-10	4.45E-09	1.43E-09	2.44E-09	1.81E-10	4.05E-09	8.12E-10	1.34E-09	4.46E-11	2.20E-09
5431	740804.2	4111971.67	9.64E-09	1.76E-08	9.64E-10	2.82E-08	1.49E-09	2.88E-09	1.45E-10	4.52E-09	1.45E-09	2.48E-09	1.84E-10	4.11E-09	8.26E-10	1.37E-09	4.53E-11	2.24E-09
5432	740784.35	4111957.96	9.84E-09	1.79E-08	9.84E-10	2.87E-08	1.53E-09	2.94E-09	1.48E-10	4.61E-09	1.48E-09	2.53E-09	1.87E-10	4.20E-09	8.43E-10	1.39E-09	4.62E-11	2.28E-09
5433	740764.51	4111944.26	1.01E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.01E-09	1.51E-10	4.72E-09	1.52E-09	2.59E-09	1.92E-10	4.30E-09	8.63E-10	1.43E-09	4.73E-11	2.34E-09
5434	740744.66	4111930.55	1.03E-08	1.88E-08	1.03E-09	3.02E-08	1.60E-09	3.09E-09	1.55E-10	4.84E-09	1.56E-09	2.65E-09	1.97E-10	4.41E-09	8.85E-10	1.46E-09	4.85E-11	2.40E-09
5435	740724.82	4111916.84	1.06E-08	1.93E-08	1.06E-09	3.10E-08	1.64E-09	3.17E-09	1.59E-10	4.97E-09	1.60E-09	2.72E-09	2.02E-10	4.53E-09	9.08E-10	1.50E-09	4.98E-11	2.46E-09
5436	740704.97	4111903.13	1.09E-08	1.98E-08	1.09E-09	3.18E-08	1.69E-09	3.25E-09	1.63E-10	5.10E-09	1.64E-09	2.80E-09	2.07E-10	4.64E-09	9.32E-10	1.54E-09	5.11E-11	2.52E-09
5437	740685.12	4111889.43	1.11E-08	2.03E-08	1.11E-09	3.25E-08	1.73E-09	3.33E-09	1.67E-10	5.22E-09	1.68E-09	2.86E-09	2.12E-10	4.75E-09	9.54E-10	1.58E-09	5.23E-11	2.58E-09
5438	740665.28	4111875.72	1.14E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.40E-09	1.71E-10	5.33E-09	1.71E-09	2.92E-09	2.17E-10	4.85E-09	9.74E-10	1.61E-09	5.34E-11	2.64E-09
5439	740645.43	4111862.01	1.16E-08	2.11E-08	1.16E-09	3.38E-08	1.79E-09	3.46E-09	1.74E-10	5.43E-09	1.75E-09	2.98E-09	2.21E-10	4.94E-09	9.92E-10	1.64E-09	5.44E-11	2.69E-09
5440	740625.59	4111848.3	1.17E-08	2.14E-08	1.17E-09	3.43E-08	1.82E-09	3.51E-09	1.76E-10	5.51E-09	1.77E-09	3.02E-09	2.24E-10	5.01E-09	1.01E-09	1.66E-09	5.52E-11	2.73E-09
5441	740605.74	4111834.59	1.19E-08	2.16E-08	1.19E-09	3.47E-08	1.84E-09	3.55E-09	1.78E-10	5.57E-09	1.79E-09	3.05E-09	2.26E-10	5.07E-09	1.02E-09	1.68E-09	5.58E-11	2.76E-09
5442	740585.9	4111820.89	1.20E-08	2.18E-08	1.20E-09	3.50E-08	1.86E-09	3.58E-09	1.80E-10	5.61E-09	1.81E-09	3.08E-09	2.28E-10	5.11E-09	1.03E-09	1.70E-09	5.63E-11	2.78E-09
5443	740566.05	4111807.18	1.20E-08	2.19E-08	1.20E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.64E-09	1.82E-09	3.09E-09	2.29E-10	5.14E-09	1.03E-09	1.71E-09	5.66E-11	2.79E-09
5444	740546.2	4111793.47	1.21E-08	2.20E-08	1.21E-09	3.53E-08	1.87E-09	3.61E-09	1.81E-10	5.66E-09	1.82E-09	3.10E-09	2.30E-10	5.16E-09	1.03E-09	1.71E-09	5.68E-11	2.80E-09
5445	740526.36	4111779.76	1.21E-08	2.21E-08	1.21E-09	3.54E-08	1.88E-09	3.62E-09	1.82E-10	5.68E-09	1.83E-09	3.11E-09	2.31E-10	5.17E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
5446	740506.51	4111766.06	1.21E-08	2.21E-08	1.22E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.71E-11	2.82E-09
5447	740486.67	4111752.35	1.22E-08	2.22E-08	1.22E-09	3.56E-08	1.89E-09	3.64E-09	1.83E-10	5.71E-09	1.84E-09	3.13E-09	2.32E-10	5.20E-09	1.04E-09	1.73E-09	5.73E-11	2.83E-09
5448	740466.82	4111738.64	1.22E-08	2.23E-08	1.23E-09	3.58E-08	1.90E-09	3.66E-09	1.84E-10	5.74E-09	1.85E-09	3.15E-09	2.33E-10	5.23E-09	1.05E-09	1.74E-09	5.76E-11	2.84E-09
5449	740446.98	4111724.93	1.23E-08	2.25E-08	1.23E-09	3.60E-08	1.91E-09	3.68E-09	1.85E-10	5.78E-09	1.86E-09	3.17E-09	2.35E-10	5.27E-09	1.06E-09	1.75E-09	5.80E-11	2.86E-09
5450	740427.13	4111711.23	1.25E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.84E-09	1.88E-09	3.20E-09	2.37E-10	5.32E-09	1.07E-09	1.77E-09	5.85E-11	2.89E-09
5451	740407.29	4111697.52	1.26E-08	2.30E-08	1.26E-09	3.69E-08	1.96E-09	3.77E-09	1.89E-10	5.91E-09	1.90E-09	3.24E-09	2.40E-10	5.39E-09	1.08E-09	1.79E-09	5.93E-11	2.93E-09
5452	740387.44	4111683.81	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.29E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.97E-09
5453	740367.59	4111670.1	1.30E-08	2.38E-08	1.30E-09	3.81E-08	2.02E-09	3.89E-09	1.96E-10	6.11E-09	1.97E-09	3.35E-09	2.48E-10	5.57E-09	1.12E-09	1.85E-09	6.13E-11	3.03E-09
5454	740347.75	4111656.4	1.33E-08	2.42E-08	1.33E-09	3.88E-08	2.06E-09	3.97E-09	1.99E-10	6.23E-09	2.00E-09	3.42E-09	2.53E-10	5.67E-09	1.14E-09	1.88E-09	6.24E-11	3.08E-09
5455	740327.9	4111642.69	1.35E-08	2.47E-08	1.36E-09	3.96E-08	2.10E-09	4.05E-09	2.03E-10	6.35E-09	2.04E-09	3.48E-09	2.58E-10	5.78E-09	1.16E-09	1.92E-09	6.37E-11	3.14E-09
5456	740308.06	4111628.98	1.38E-08	2.52E-08	1.38E-09	4.04E-08	2.14E-09	4.13E-09	2.07E-10	6.48E-09	2.08E-09	3.55E-09	2.63E-10	5.90E-09	1.18E-09	1.96E-09	6.49E-11	3.21E-09
5457	740288.21	4111615.27	1.41E-08	2.57E-08	1.41E-09	4.12E-08	2.19E-09	4.21E-09	2.12E-10	6.61E-09	2.12E-09	3.62E-09	2.69E-10	6.02E-09	1.21E-09	2.00E-09	6.62E-11	3.27E-09
5458	740268.37	4111601.56	1.44E-08	2.62E-08	1.44E-09	4.19E-08	2.23E-09	4.29E-09	2.15E-10	6.73E-09	2.16E-09	3.69E-09	2.74E-10	6.13E-09	1.23E-09	2.04E-09	6.75E-11	3.33E-09
5459	740248.52	4111587.86	1.46E-08	2.66E-08	1.46E-09	4.27E-08	2.26E-09	4.36E-09	2.19E-10	6.84E-09	2.20E-09	3.75E-09	2.78E-10	6.23E-09	1.25E-09	2.07E-09	6.86E-11	3.39E-09
5460	740228.67	4111574.15	1.48E-08	2.70E-08	1.48E-09	4.33E-08	2.30E-09	4.43E-09	2.22E-10	6.95E-09	2.23E-09	3.81E-09	2.82E-10	6.33E-09	1.27E-09	2.10E-09	6.96E-11	3.44E-09
5461	740208.83	4111560.44	1.50E-08	2.73E-08	1.50E-09	4.39E-08	2.33E-09	4.48E-09	2.25E-10	7.04E-09	2.26E-09	3.86E-09	2.86E-10	6.41E-09	1.29E-09	2.13E-09	7.05E-11	3.48E-09
5462	740188.98	4111546.73	1.52E-08	2.76E-08	1.52E-09	4.43E-08	2.35E-09	4.53E-09	2.28E-10	7.11E-09	2.29E-09	3.90E-09	2.89E-10	6.48E-09	1.30E-09	2.15E-09	7.13E-11	3.52E-09
5463	740169.14	4111533.03	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.18E-09	2.31E-09	3.94E-09	2.92E-10	6.53E-09	1.31E-09	2.17E-09	7.19E-11	3.55E-09
5464	740149.29	4111519.32	1.54E-08	2.81E-08	1.54E-09	4.51E-08	2.39E-09	4.61E-09	2.31E-10	7.23E-09	2.33E-09	3.96E-09	2.94E-10	6.58E-09	1.32E-09	2.19E-09	7.25E-11	3.58E-09
5465	740129.45	4111505.61	1.55E-08	2.82E-08	1.55E-09	4.53E-08	2.40E-09	4.63E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.95E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
5466	740109.6	4111491.9	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.41E-09	4.65E-09	2.34E-10	7.30E-09	2.35E-09	4.00E-09	2.97E-10	6.64E-09	1.33E-09	2.21E-09	7.31E-11	3.61E-09
5467	740089.76	4111478.2	1.56E-08	2.84E-08	1.56E-09	4.56E-08	2.42E-09	4.66E-09	2.34E-10	7.31E-09	2.35E-09	4.01E-09	2.97E-10	6.66E-09	1.34E-09	2.21E-09	7.33E-11	3.62E-09
5468	740069.91	4111464.49	1.56E-08	2.84E-08	1.56E-09	4.56E-08	2.42E-09	4.66E-09	2.34E-10	7.32E-09	2.35E-09	4.01E-09	2.97E-10	6.66E-09	1.34E-09	2.21E-09	7.34E-11	3.62E-09
5469	740050.06	4111450.78	1.56E-08	2.84E-08	1.56E-09	4.56E-08	2.42E-09	4.66E-09	2.34E-10	7.31E-09	2.35E-09	4.01E-09	2.97E-10	6.66E-09	1.34E-09	2.21E-09	7.33E-11	3.62E-09
5470	740030.22	4111437.07	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.41E-09	4.65E-09	2.34E-10	7.30E-09	2.35E-09	4.00E-09	2.97E-10	6.65E-09	1.33E-09	2.21E-09	7.32E-11	3.61E-09
5471	740010.37	4111423.37	1.55E-08	2.83E-08	1.55E-09	4.53E-08	2.41E-09	4.64E-09	2.33E-10	7.27E-09	2.34E-09	3.99E-09	2.96E-10	6.62E-09	1.33E-09	2.20E-09	7.29E-11	3.60E-09
5472	743210.99	4112082.6	4.42E-09	8.05E-09	4.42E-10	1.29E-08	6.85E-10	1.32E-09	6.63E-11	2.07E-09	6.66E-10	1.14E-09	8.42E-11	1.89E-09	3.78E-10	6.26E-10	2.08E-11	1.03E-09
5473	743231.1	4112069.11	4.37E-09	7.97E-09	4.38E-10	1.28E-08	6.78E-10	1.31E-09	6.56E-11	2.05E-09	6.60E-10	1.12E-09	8.33E-11	1.87E-09	3.75E-10	6.20E-10	2.06E-11	1.02E-09
5474	743251.21	4112055.62	4.33E-09	7.88E-09	4.33E-10	1.26E-08	6.71E-10	1.29E-09	6.49E-11	2.03E-09	6.52E-10	1.11E-09	8.24E-11	1.85E-09	3.71E-10	6.13E-10	2.03E-11	1.00E-09
5475	743271.32	4112042.13	4.27E-09	7.78E-09	4.27E-10	1.25E-08	6.62E-10	1.28E-09	6.41E-11	2.00E-09	6.44E-10	1.10E-09	8.14E-11	1.82E-09	3.66E-10	6.06E-10	2.01E-11	9.92E-10
5476	743291.43	4112028.63	4.22E-09	7.68E-09	4.22E-10	1.23E-08	6.54E-10	1.26E-09	6.33E-11	1.98E-09	6.36E-10	1.08E-09	8.03E-11	1.80E-09	3.61E-10	5.98E-10	1.98E-11	9.79E-10
5477	743311.54	4112015.14	4.16E-09	7.59E-09	4.17E-10	1.22E-08	6.46E-10	1.24E-09	6.25E-11	1.95E-09	6.28E-10	1.07E-09	7.93E-11	1.78E-09	3.57E-10	5.90E-10	1.96E-11	9.67E-10
5478	743331.65	4112001.65	4.12E-09	7.50E-09	4.12E-10	1.20E-08	6.39E-10	1.23E-09	6.18E-11	1.93E-09	6.21E-10	1.06E-09	7.85E-11	1.76E-09	3.53E-10	5.84E-10	1.94E-11	9.56E-10
5479	743351.76	4111988.16	4.08E-09	7.44E-09	4.09E-10	1.19E-08	6.33E-10	1.22E-09	6.13E-11	1.91E-09	6.16E-10	1.05E-09	7.78E-11	1.74E-09	3.50E-10	5.79E-10	1.92E-11	9.48E-10
5480	743371.87	4111974.66	4.07E-09	7.41E-09	4.07E-10	1.19E-08	6.31E-10	1.21E-09	6.10E-11	1.91E-09	6.13E-10	1.05E-09	7.75E-11	1.74E-09	3.48E-10	5.76E-10	1.91E-11	9.44E-10
5481	743391.98	4111961.17	4.07E-09	7.42E-09	4.07E-10	1.19E-08	6.31E-10	1.22E-09	6.11E-11	1.91E-09	6.14E-10	1.05E-09	7.76E-11	1.74E-09	3.49E-10	5.77E-10	1.91E-11	9.45E-10
5482	743412.09	4111947.68	4.10E-09	7.48E-09	4.10E-10	1.20E-08	6.36E-10	1.23E-09	6.16E-11	1.92E-09	6.19E-10	1.05E-09	7.82E-11	1.75E-09	3.52E-10	5.82E-10	1.93E-11	9.53E-10
5483	743432.2	4111934.19	4.17E-09	7.59E-09	4.17E-10	1.22E-08	6.46E-10	1.24E-09	6.25E-11	1.95E-09	6.28E-10	1.07E-09	7.94E-11	1.78E-09	3.57E-10	5.91E-10	1.96E-11	9.67E-10
5484	743452.31	4111920.7	4.26E-09	7.76E-09	4.26E-10	1.24E-08	6.60E-10	1.27E-09	6.39E-11	2.00E-09	6.42E-10	1.09E-09	8.12E-11	1.82E-09	3.65E-10	6.04E-10	2.00E-11	9.89E-10
5485	743472.42	4111907.2	4.39E-09	7.99E-09	4.39E-10	1.28E-08	6.80E-10	1.31E-09	6.58E-11	2.06E-09	6.61E-10	1.13E-09	8.36E-11	1.87E-09	3.76E-10	6.22E-10	2.06E-11	1.02E-09
5486	743410.21	4112419.38	3.63E-09	6.61E-09	3.63E-10	1.06E-08	5.63E-10	1.08E-09	5.45E-11	1.70E-09	5.47E-10	9.33E-10	6.91E-11	1.55E-09	3.11E-10	5.14E-10	1.70E-11	8.42E-10
5487	743386.57	4112423.98	3.67E-09	6.69E-09	3.67E-10	1.07E-08	5.69E-10	1.10E-09	5.51E-11	1.72E-09	5.54E-10	9.44E-10	7.00E-11	1.57E-09	3.15E-10	5.21E-10	1.73E-11	8.52E-10
5488	743362.93	4112428.59	3.71E-09	6.75E-09	3.71E-10	1.08E-08	5.75E-10	1.11E-09	5.56E-11	1.74E-09	5.59E-10	9.53E-10	7.06E-11	1.58E-09	3.18E-10	5.25E-10	1.74E-11	8.60E-10
5489	743339.29	4112433.2	3.73E-09	6.80E-09	3.73E-10	1.09E-08	5.78E-10	1.11E-09	5.60E-11	1.75E-09	5.62E-10	9.59E-10	7.11E-11	1.59E-09	3.20E-10	5.29E-10	1.75E-11	8.66E-10
5490	743315.65	4112437.8	3.75E-09	6.83E-09	3.75E-10	1.10E-08	5.81E-10	1.12E-09	5.63E-11	1.76E-09	5.65E-10	9.64E-10	7.14E-11	1.60E-09	3.21E-10	5.32E-10	1.76E-11	8.71E-10
5491	743292.01	4112442.41	3.76E-09	6.85E-09	3.76E-10	1.10E-08	5.83E-10	1.12E-09	5.64E-11	1.76E-09	5.67E-10	9.67E-10	7.17E-11	1.61E-09	3.22E-10	5.33E-10	1.77E-11	8.73E-10
5492	743268.37	4112447.02	3.76E-09	6.86E-09	3.76E-10	1.10E-08	5.83E-10	1.12E-09	5.65E-11	1.76E-09	5.67E-10	9.67E-10	7.17E-11	1.61E-09	3.22E-10	5.33E-10	1.77E-11	8.74E-10
5493	743244.74	4112451.62	3.76E-09	6.85E-09	3.76E-10	1.10E-08	5.83E-10	1.12E-09	5.64E-11	1.76E-09	5.67E-10	9.66E-10	7.16E-11	1.60E-09	3.22E-10	5.33E-10	1.77E-11	8.73E-10
5494	743221.1	4112456.23	3.75E-09	6.83E-09	3.75E-10	1.10E-08	5.81E-10	1.12E-09	5.63E-11	1.76E-09	5.65E-10	9.64E-10	7.14E-11	1.60E-09	3.21E-10	5.32E-10	1.76E-11	8.71E-10
5495	743197.46	4112460.84	3.73E-09	6.80E-09	3.73E-10	1.09E-08	5.79E-10	1.11E-09	5.60E-11	1.75E-09	5.63E-10	9.59E-10	7.11E-11	1.59E-09	3.20E-10	5.29E-10	1.75E-11	8.66E-10
5496	743173.82	4112465.44	3.72E-09	6.77E-09	3.72E-10	1.09E-08	5.76E-10	1.11E-09	5.58E-11	1.74E-09	5.60E-10	9.55E-10	7.08E-11	1.59E-09	3.18E-10	5.27E-10	1.75E-11	8.63E-10
5497	743150.18	4112470.05	3.70E-09	6.74E-09	3.70E-10	1.08E-08	5.73E-10	1.10E-09	5.55E-11	1.73E-09	5.58E-10	9.50E-10	7.05E-11	1.58E-09	3.17E-10	5.24E-10	1.74E-11	8.58E-10
5498	743126.54	4112474.66	3.68E-09	6.71E-09	3.68E-10	1.08E-08	5.71E-10	1.10E-09	5.53E-11	1.73E-09	5.55E-10	9.47E-10	7.02E-11	1.57E-09	3.16E-10	5.22E-10	1.73E-11	8.55E-10
5499	743102.9	4112479.27	3.65E-09	6.64E-09	3.65E-10	1.07E-08	5.65E-10	1.09E-09	5.47E-11	1.71E-09	5.50E-10	9.37E-10	6.95E-11	1.56E-09	3.12E-10	5.17E-10	1.71E-11	8.46E-10
5500	743079.27	4112483.87	3.68E-09	6.70E-09	3.68E-10	1.07E-08	5.70E-10	1.10E-09	5.52E-11	1.72E-09	5.54E-10	9.45E-10	7.00E-11	1.57E-09	3.15E-10	5.21E-10	1.73E-11	8.53E-10
5501	743055.63	4112488.48	3.69E-09	6.72E-09	3.69E-10	1.08E-08	5.72E-10	1.10E-09	5.53E-11	1.73E-09	5.56E-10	9.48E-10	7.02E-11	1.57E-09	3.16E-10	5.23E-10	1.73E-11	8.56E-10
5502	743031.99	4112493.09	3.70E-09	6.75E-09	3.70E-10	1.08E-08	5.74E-10	1.11E-09	5.56E-11	1.74E-09	5.58E-10	9.52E-10	7.05E-11	1.58E-09	3.17E-10	5.25E-10	1.74E-11	8.59E-10
5503	743008.35	4112497.69	3.73E-09	6.79E-09	3.73E-10	1.09E-08	5.78E-10	1.11E-09	5.59E-11	1.75E-09	5.62E-10	9.58E-10	7.10E-11	1.59E-09	3.19E-10	5.28E-10	1.75E-11	8.65E-10
5504	742984.71	4112502.3	3.76E-09	6.85E-09	3.76E-10	1.10E-08	5.83E-10	1.12E-09	5.64E-11	1.76E-09	5.67E-10	9.67E-10	7.17E-11	1.61E-09	3.22E-10	5.33E-10	1.77E-11	8.73E-10
5505	742961.07	4112506.91	3.80E-09	6.93E-09	3.81E-10	1.11E-08	5.90E-10	1.14E-09	5.71E-11	1.78E-09	5.74E-10	9.78E-10	7.25E-11	1.62E-09	3.26E-10	5.39E-10	1.79E-11	8.83E-10
5506	742937.43	4112511.51	3.86E-09	7.03E-09	3.86E-10	1.13E-08	5.98E-10	1.15E-09	5.79E-11	1.81E-09	5.81E-10	9.91E-10	7.35E-11	1.65E-09	3.30E-10	5.47E-10	1.81E-11	8.95E-10
5507	742913.8	4112516.12	3.92E-09	7.14E-09	3.92E-10	1.15E-08	6.08E-10	1.17E-09	5.88E-11	1.84E-09	5.91E-10	1.01E-09	7.47E-11	1.67E-09	3.36E-10	5.56E-10	1.84E-11	9.10E-10
5508	742890.16	4112520.73	3.99E-09	7.27E-09	3.99E-10	1.17E-08	6.19E-10	1.19E-09	5.99E-11	1.87E-09	6.02E-10	1.03E-09	7.60E-11	1.70E-09	3.42E-10	5.66E-10	1.88E-11	9.26E-10
5509	742866.52	4112525.33	4.07E-09	7.42E-09	4.07E-10	1.19E-08	6.31E-10	1.22E-09	6.11E-11	1.91E-09	6.14E-10	1.05E-09	7.76E-11	1.74E-09	3.49E-10	5.77E-10	1.91E-11	9.45E-10
5510	742842.88	4112529.94	4.16E-09	7.58E-09	4.16E-10	1.22E-08	6.45E-10	1.24E-09	6.24E-11	1.95E-09	6.27E-10	1.07E-09	7.93E-11	1.78E-09	3.56E-10	5.90E-10	1.95E-11	9.66E-10
5511	742819.24	4112534.55	4.26E-09	7.76E-09	4.26E-10	1.24E-08	6.60E-10	1.27E-09	6.39E-11	2.00E-09	6.42E-10	1.09E-09	8.11E-11	1.82E-09	3.65E-10	6.04E-10	2.00E-11	9.88E-10
5512	742795.6	4112539.15	4.37E-09	7.96E-09	4.37E-10	1.28E-08	6.77E-10	1.30E-09	6.55E-11	2.05E-09	6.59E-10	1.12E-09	8.32E-11	1.86E-09	3.74E-10	6.19E-10	2.05E-11	1.01E-09
5513	742771.96	4112543.76	4.48E-09	8.16E-09	4.48E-10	1.31E-08	6.95E-10	1.34E-09	6.72E-11	2.10E-09	6.76E-10	1.15E-09	8.54E-11	1.91E-09	3.84E-10	6.35E-10	2.11E-11	1.04E-09
5514	742748.33	4112548.37	4.60E-09	8.38E-09	4.60E-10	1.34E-08	7.13E-10	1.37E-09	6.90E-11	2.16E-09	6.94E-10	1.18E-09	8.76E-11	1.96E-09	3.94E-10	6.52E-10	2.16E-11	1.07E-09

5515	742724.69	4112552.98	4.72E-09	8.61E-09	4.73E-10	1.38E-08	7.32E-10	1.41E-09	7.09E-11	2.21E-09	7.12E-10	1.21E-09	9.00E-11	2.02E-09	4.05E-10	6.70E-10	2.22E-11	1.10E-09
5516	742701.05	4112557.58	4.84E-09	8.83E-09	4.85E-10	1.42E-08	7.51E-10	1.45E-09	7.27E-11	2.27E-09	7.30E-10	1.25E-09	9.23E-11	2.07E-09	4.15E-10	6.87E-10	2.28E-11	1.12E-09
5517	742677.41	4112562.19	4.97E-09	9.05E-09	4.97E-10	1.45E-08	7.70E-10	1.48E-09	7.45E-11	2.33E-09	7.49E-10	1.28E-09	9.46E-11	2.12E-09	4.25E-10	7.04E-10	2.33E-11	1.15E-09
5518	742653.77	4112566.8	5.09E-09	9.27E-09	5.09E-10	1.49E-08	7.89E-10	1.52E-09	7.63E-11	2.38E-09	7.67E-10	1.31E-09	9.69E-11	2.17E-09	4.36E-10	7.21E-10	2.39E-11	1.18E-09
5519	742630.13	4112571.4	5.21E-09	9.49E-09	5.21E-10	1.52E-08	8.08E-10	1.56E-09	7.82E-11	2.44E-09	7.85E-10	1.34E-09	9.92E-11	2.22E-09	4.46E-10	7.38E-10	2.45E-11	1.21E-09
5520	742606.49	4112576.01	5.32E-09	9.70E-09	5.33E-10	1.56E-08	8.25E-10	1.59E-09	7.99E-11	2.50E-09	8.03E-10	1.37E-09	1.01E-10	2.27E-09	4.56E-10	7.55E-10	2.50E-11	1.24E-09
5521	742582.86	4112580.62	5.43E-09	9.90E-09	5.43E-10	1.59E-08	8.42E-10	1.62E-09	8.15E-11	2.55E-09	8.19E-10	1.40E-09	1.03E-10	2.32E-09	4.65E-10	7.70E-10	2.55E-11	1.26E-09
5522	742559.22	4112585.22	5.53E-09	1.01E-08	5.53E-10	1.61E-08	8.57E-10	1.65E-09	8.29E-11	2.59E-09	8.33E-10	1.42E-09	1.05E-10	2.36E-09	4.74E-10	7.84E-10	2.60E-11	1.28E-09
5523	742535.58	4112589.83	5.61E-09	1.02E-08	5.61E-10	1.64E-08	8.70E-10	1.68E-09	8.42E-11	2.63E-09	8.46E-10	1.44E-09	1.07E-10	2.39E-09	4.81E-10	7.95E-10	2.64E-11	1.30E-09
5524	742511.94	4112594.44	5.68E-09	1.03E-08	5.68E-10	1.66E-08	8.81E-10	1.70E-09	8.52E-11	2.66E-09	8.56E-10	1.46E-09	1.08E-10	2.42E-09	4.87E-10	8.05E-10	2.67E-11	1.32E-09
5525	742488.3	4112599.04	5.73E-09	1.04E-08	5.73E-10	1.67E-08	8.89E-10	1.71E-09	8.60E-11	2.69E-09	8.64E-10	1.47E-09	1.09E-10	2.45E-09	4.91E-10	8.12E-10	2.69E-11	1.33E-09
5526	742464.66	4112603.65	5.77E-09	1.05E-08	5.77E-10	1.69E-08	8.94E-10	1.72E-09	8.66E-11	2.70E-09	8.70E-10	1.48E-09	1.10E-10	2.46E-09	4.94E-10	8.18E-10	2.71E-11	1.34E-09
5527	742441.02	4112608.26	5.79E-09	1.06E-08	5.79E-10	1.69E-08	8.98E-10	1.73E-09	8.69E-11	2.71E-09	8.73E-10	1.49E-09	1.10E-10	2.47E-09	4.96E-10	8.21E-10	2.72E-11	1.34E-09
5528	742417.39	4112612.86	5.80E-09	1.06E-08	5.80E-10	1.69E-08	8.99E-10	1.73E-09	8.70E-11	2.72E-09	8.75E-10	1.49E-09	1.11E-10	2.48E-09	4.97E-10	8.22E-10	2.73E-11	1.35E-09
5529	742393.75	4112617.47	5.80E-09	1.06E-08	5.80E-10	1.69E-08	8.99E-10	1.73E-09	8.70E-11	2.72E-09	8.74E-10	1.49E-09	1.10E-10	2.48E-09	4.97E-10	8.22E-10	2.72E-11	1.35E-09
5530	742370.11	4112622.08	5.79E-09	1.05E-08	5.79E-10	1.69E-08	8.97E-10	1.73E-09	8.68E-11	2.71E-09	8.73E-10	1.49E-09	1.10E-10	2.47E-09	4.96E-10	8.20E-10	2.72E-11	1.34E-09
5531	742346.47	4112626.68	5.77E-09	1.05E-08	5.77E-10	1.69E-08	8.95E-10	1.72E-09	8.66E-11	2.71E-09	8.70E-10	1.48E-09	1.10E-10	2.46E-09	4.95E-10	8.18E-10	2.71E-11	1.34E-09
5532	742322.83	4112631.29	5.75E-09	1.05E-08	5.76E-10	1.68E-08	8.92E-10	1.72E-09	8.63E-11	2.70E-09	8.67E-10	1.48E-09	1.10E-10	2.46E-09	4.93E-10	8.16E-10	2.70E-11	1.34E-09
5533	742299.19	4112635.9	5.73E-09	1.04E-08	5.74E-10	1.68E-08	8.89E-10	1.71E-09	8.60E-11	2.69E-09	8.64E-10	1.47E-09	1.09E-10	2.45E-09	4.91E-10	8.13E-10	2.69E-11	1.33E-09
5534	742275.55	4112640.51	5.72E-09	1.04E-08	5.72E-10	1.67E-08	8.86E-10	1.71E-09	8.58E-11	2.68E-09	8.62E-10	1.47E-09	1.09E-10	2.44E-09	4.90E-10	8.10E-10	2.69E-11	1.33E-09
5535	742251.92	4112645.11	5.70E-09	1.04E-08	5.71E-10	1.67E-08	8.84E-10	1.70E-09	8.56E-11	2.67E-09	8.60E-10	1.47E-09	1.09E-10	2.43E-09	4.89E-10	8.08E-10	2.68E-11	1.32E-09
5536	742228.28	4112649.72	5.70E-09	1.04E-08	5.70E-10	1.66E-08	8.84E-10	1.70E-09	8.55E-11	2.67E-09	8.59E-10	1.46E-09	1.09E-10	2.43E-09	4.88E-10	8.08E-10	2.68E-11	1.32E-09
5537	742204.64	4112654.33	5.70E-09	1.04E-08	5.70E-10	1.66E-08	8.84E-10	1.70E-09	8.55E-11	2.67E-09	8.59E-10	1.46E-09	1.09E-10	2.43E-09	4.88E-10	8.08E-10	2.68E-11	1.32E-09
5538	742181	4112658.93	5.70E-09	1.04E-08	5.71E-10	1.67E-08	8.85E-10	1.70E-09	8.56E-11	2.67E-09	8.60E-10	1.47E-09	1.09E-10	2.44E-09	4.89E-10	8.09E-10	2.68E-11	1.32E-09
5539	742157.36	4112663.54	5.72E-09	1.04E-08	5.72E-10	1.67E-08	8.87E-10	1.71E-09	8.59E-11	2.68E-09	8.63E-10	1.47E-09	1.09E-10	2.44E-09	4.90E-10	8.11E-10	2.69E-11	1.33E-09
5540	742133.72	4112668.15	5.75E-09	1.05E-08	5.75E-10	1.68E-08	8.91E-10	1.72E-09	8.62E-11	2.69E-09	8.66E-10	1.48E-09	1.09E-10	2.45E-09	4.92E-10	8.15E-10	2.70E-11	1.33E-09
5541	742110.08	4112672.75	5.78E-09	1.05E-08	5.78E-10	1.69E-08	8.96E-10	1.73E-09	8.67E-11	2.71E-09	8.71E-10	1.49E-09	1.10E-10	2.47E-09	4.95E-10	8.19E-10	2.72E-11	1.34E-09
5542	742086.45	4112677.36	5.82E-09	1.06E-08	5.82E-10	1.70E-08	9.02E-10	1.74E-09	8.73E-11	2.73E-09	8.77E-10	1.50E-09	1.11E-10	2.48E-09	4.98E-10	8.25E-10	2.73E-11	1.35E-09
5543	742062.81	4112681.97	5.86E-09	1.07E-08	5.87E-10	1.71E-08	9.09E-10	1.75E-09	8.80E-11	2.75E-09	8.84E-10	1.51E-09	1.12E-10	2.50E-09	5.03E-10	8.31E-10	2.76E-11	1.36E-09
5544	742039.17	4112686.57	5.92E-09	1.08E-08	5.92E-10	1.73E-08	9.18E-10	1.77E-09	8.88E-11	2.77E-09	8.93E-10	1.52E-09	1.13E-10	2.53E-09	5.07E-10	8.39E-10	2.78E-11	1.37E-09
5545	742015.53	4112691.18	5.98E-09	1.09E-08	5.98E-10	1.75E-08	9.27E-10	1.79E-09	8.97E-11	2.80E-09	9.02E-10	1.54E-09	1.14E-10	2.55E-09	5.12E-10	8.48E-10	2.81E-11	1.39E-09
5546	741991.89	4112695.79	6.04E-09	1.10E-08	6.05E-10	1.77E-08	9.37E-10	1.81E-09	9.07E-11	2.83E-09	9.11E-10	1.55E-09	1.15E-10	2.58E-09	5.18E-10	8.57E-10	2.84E-11	1.40E-09
5547	741968.25	4112700.39	6.11E-09	1.11E-08	6.11E-10	1.78E-08	9.47E-10	1.82E-09	9.17E-11	2.86E-09	9.21E-10	1.57E-09	1.16E-10	2.61E-09	5.23E-10	8.66E-10	2.87E-11	1.42E-09
5548	741944.61	4112705	6.17E-09	1.13E-08	6.18E-10	1.80E-08	9.58E-10	1.84E-09	9.27E-11	2.89E-09	9.31E-10	1.59E-09	1.18E-10	2.64E-09	5.29E-10	8.75E-10	2.90E-11	1.43E-09
5549	741920.98	4112709.61	6.24E-09	1.14E-08	6.25E-10	1.82E-08	9.68E-10	1.87E-09	9.37E-11	2.93E-09	9.42E-10	1.61E-09	1.19E-10	2.67E-09	5.35E-10	8.85E-10	2.93E-11	1.45E-09
5550	741897.34	4112714.22	6.31E-09	1.15E-08	6.31E-10	1.84E-08	9.79E-10	1.89E-09	9.47E-11	2.96E-09	9.52E-10	1.62E-09	1.20E-10	2.69E-09	5.41E-10	8.95E-10	2.97E-11	1.47E-09
5551	741873.7	4112718.82	6.37E-09	1.16E-08	6.38E-10	1.86E-08	9.88E-10	1.90E-09	9.57E-11	2.99E-09	9.61E-10	1.64E-09	1.21E-10	2.72E-09	5.46E-10	9.04E-10	3.00E-11	1.48E-09
5552	741850.06	4112723.43	6.43E-09	1.17E-08	6.44E-10	1.88E-08	9.98E-10	1.92E-09	9.65E-11	3.02E-09	9.70E-10	1.65E-09	1.23E-10	2.75E-09	5.51E-10	9.12E-10	3.02E-11	1.49E-09
5553	741826.42	4112728.04	6.49E-09	1.18E-08	6.49E-10	1.90E-08	1.01E-09	1.94E-09	9.74E-11	3.04E-09	9.79E-10	1.67E-09	1.24E-10	2.77E-09	5.56E-10	9.20E-10	3.05E-11	1.51E-09
5554	741802.78	4112732.64	6.55E-09	1.19E-08	6.55E-10	1.91E-08	1.01E-09	1.96E-09	9.82E-11	3.07E-09	9.87E-10	1.68E-09	1.25E-10	2.79E-09	5.61E-10	9.28E-10	3.08E-11	1.52E-09
5555	741779.14	4112737.25	6.59E-09	1.20E-08	6.60E-10	1.93E-08	1.02E-09	1.97E-09	9.89E-11	3.09E-09	9.94E-10	1.69E-09	1.26E-10	2.81E-09	5.65E-10	9.35E-10	3.10E-11	1.53E-09
5556	741755.51	4112741.86	6.64E-09	1.21E-08	6.64E-10	1.94E-08	1.03E-09	1.98E-09	9.97E-11	3.11E-09	1.00E-09	1.71E-09	1.27E-10	2.83E-09	5.69E-10	9.42E-10	3.12E-11	1.54E-09
5557	741731.87	4112746.46	6.68E-09	1.22E-08	6.69E-10	1.95E-08	1.04E-09	2.00E-09	1.00E-10	3.13E-09	1.01E-09	1.72E-09	1.27E-10	2.85E-09	5.73E-10	9.48E-10	3.14E-11	1.55E-09
5558	741708.23	4112751.07	6.72E-09	1.23E-08	6.73E-10	1.96E-08	1.04E-09	2.01E-09	1.01E-10	3.15E-09	1.01E-09	1.73E-09	1.28E-10	2.87E-09	5.76E-10	9.53E-10	3.16E-11	1.56E-09
5559	741684.59	4112755.68	6.76E-09	1.23E-08	6.77E-10	1.98E-08	1.05E-09	2.02E-09	1.02E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.89E-09	5.80E-10	9.59E-10	3.18E-11	1.57E-09
5560	741660.95	4112760.28	6.80E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.03E-09	1.75E-09	1.30E-10	2.90E-09	5.83E-10	9.64E-10	3.20E-11	1.58E-09
5561	741637.31	4112764.89	6.84E-09	1.25E-08	6.84E-10	2.00E-08	1.06E-09	2.04E-09	1.03E-10	3.21E-09	1.03E-09	1.76E-09	1.30E-10	2.92E-09	5.86E-10	9.70E-10	3.21E-11	1.59E-09
5562	741613.67	4112769.5	6.88E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.90E-10	9.76E-10	3.23E-11	1.60E-09
5563	741590.04	4112774.1	6.92E-09	1.26E-08	6.92E-10	2.02E-08	1.07E-09	2.07E-09	1.04E-10	3.24E-09	1.04E-09	1.78E-09	1.32E-10	2.95E-09	5.93E-10	9.81E-10	3.25E-11	1.61E-09
5564	741566.4	4112778.71	6.96E-09	1.27E-08	6.97E-10	2.03E-08	1.08E-09	2.08E-09	1.04E-10	3.26E-09	1.05E-09	1.79E-09	1.33E-10	2.97E-09	5.96E-10	9.87E-10	3.27E-11	1.62E-09
5565	741542.76	4112783.32	7.00E-09	1.28E-08	7.00E-10	2.05E-08	1.09E-09	2.09E-09	1.05E-10	3.28E-09	1.06E-09	1.80E-09	1.33E-10	2.99E-09	6.00E-10	9.92E-10	3.29E-11	1.62E-09
5566	741519.12	4112787.93	7.03E-09	1.28E-08	7.04E-10	2.06E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.00E-09	6.03E-10	9.97E-10	3.31E-11	1.63E-09
5567	741495.48	4112792.53	7.06E-09	1.29E-08	7.06E-10	2.06E-08	1.09E-09	2.11E-09	1.06E-10	3.31E-09	1.06E-09	1.82E-09	1.35E-10	3.01E-09	6.05E-10	1.00E-09	3.32E-11	1.64E-09
5568	741471.84	4112797.14	7.08E-09	1.29E-08	7.09E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.02E-09	6.07E-10	1.00E-09	3.33E-11	1.64E-09
5569	741448.2	4112801.75	7.10E-09	1.29E-08	7.10E-10	2.07E-08	1.10E-09	2.12E-09	1.07E-10	3.33E-09	1.07E-09	1.83E-09	1.35E-10	3.03E-09	6.08E-10	1.01E-09	3.34E-11	1.65E-09
5570	741424.56	4112806.35	7.11E-09	1.29E-08	7.11E-10	2.08E-08	1.10E-09	2.12E-09	1.07E-10	3.33E-09	1.07E-09	1.83E-09	1.35E-10	3.03E-09	6.09E-10	1.01E-09	3.34E-11	1.65E-09
5571	741400.93	4112810.96	7.11E-09	1.29E-08	7.11E-10	2.08E-08	1.10E-09	2.12E-09	1.07E-10	3.33E-09	1.07E-09	1.83E-09	1.35E-10	3.03E-09	6.09E-10	1.01E-09	3.34E-11	1.65E-09
5572	741357.47	4112801.88	7.14E-09	1.30E-08	7.14E-10	2.09E-08	1.11E-09	2.13E-09	1.07E-10	3.35E-09	1.08E-09	1.84E-09	1.36E-10	3.05E-09	6.12E-10	1.01E-09	3.35E-11	1.66E-09
5573	741337.66	4112788.19	7.18E-09	1.31E-08	7.18E-10	2.10E-08	1.11E-09	2.14E-09	1.08E-10	3.37E-09	1.08E-09	1.85E-09	1.37E-10	3.06E-09	6.15E-10	1.02E-09	3.37E-11	1.67E-09
5574	741317.84	4112774.51	7.21E-09	1.31E-08	7.21E-10	2.11E-08	1.12E-09	2.15E-09	1.08E-10	3.38E-09	1.09E-09	1.85E-09	1.37E-10	3.08E-09	6.18E-10	1.02E-09	3.39E-11	1.67E-09
5575	741298.02	4112760.82	7.24E-09	1.32E-08	7.25E-10	2.12E-08	1.12E-09	2.16E-09	1.09E-10	3.40E-09	1.09E-09	1.86E-09	1.38E-10	3.09E-09	6.21E-10	1.03E-09	3.40E-11	1.68E-09
5576	741278.21	4112747.13	7.27E-09	1.33E-08	7.28E-10	2.13E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.23E-10	1.03E-09	3.42E-11	1.69E-09
5577	741258.39	4112733.44	7.31E-09	1.33E-08	7.31E-10	2.13E-08	1.13E-09	2.18E-09	1.10E-10	3.43E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.26E-10	1.04E-09	3.43E-11	1.70E-09
5578	741238.58	4112719.76	7.34E-09	1.34E-08	7.35E-10	2.15E-08	1.14E-09	2.19E-09	1.10E-10	3.44E-09	1.11E-09	1.89E-09	1.40E-10	3.13E-09	6.29E-10	1.04E-09	3.45E-11	1.70E-09
5579	741218.76	4112706.07	7.38E-09	1.35E-08	7.39E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.46E-09	1.11E-09	1.90E-09	1.41E-10	3.15E-09	6.33E-10	1.05E-09	3.47E-11	1.71E-09
5580	741198.94	4112692.38	7.43E-09	1.35E-08	7.43E-10	2.17E-08	1.15E-09	2.22E-09	1.12E-10	3.48E-09	1.12E-09	1.91E-09	1.42E-10	3.17E-09	6.37E-10	1.05E-09	3.49E-11	1.72E-09
5581	741179.13	4112678.7	7.48E-09	1.36E-08	7.49E-10	2.19E-08	1.16E-09	2.24E-09	1.12E-10	3.51E-09	1.13E-09	1.92E-09	1.43E-10	3.19E-09	6.41E-10	1.06E-09	3.52E-11	1.74E-09
5582	741159.31	4112665.01	7.54E-09	1.37E-08	7.55E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.54E-09	1.14E-09	1.94E-09	1.44E-10	3.22E-09	6.46E-10	1.07E-09	3.54E-11	1.75E-09
5583	741139.5	4112651.32	7.61E-09	1.39E-08	7.61E-10	2.22E-08	1.18E-09	2.27E-09	1.14E-10	3.57E-09	1.15E-09	1.96E-09	1.45E-10	3.25E-09	6.52E-10	1.08E-09	3.57E-11	1.77E-09
5584	741119.68	4112637.63	7.68E-09	1.40E-08	7.68E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.60E-09	1.16E-09	1.97E-09	1.46E-10	3.28E-09	6.58E-10	1.09E-09	3.61E-11	1.78E-09
5585	741099.87	4112623.95	7.75E-09	1.41E-08	7.75E-10	2.26E-08	1.20E-09	2.32E-09	1.16E-10	3.63E-09	1.17E-09	1.99E-09	1.48E-10	3.31E-09	6.64E-10	1.10E-09	3.64E-11	1.80E-09
5586	741080.05	4112610.26	7.82E-09	1.42E-08	7.82E-10	2.28E-08	1.21E-09	2.34E-09	1.17E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.70E-10	1.11E-09	3.67E-11	1.82E-09
5587	741060.23	4112596.57	7.88E-09	1.44E-08	7.89E-10	2.30E-08	1.22E-09	2.36E-09	1.18E-10	3.70E-09	1.19E-09	2.03E-09	1.50E-10	3.37E-09	6.76E-10	1.12E-09	3.71E-11	1.83E-09
5588	741040.42	4112582.89	7.95E-09	1.45E-08	7.95E-10	2.32E-08	1.23E-09	2.37E-09	1.19E-10	3.73E-09	1.20E-09	2.04E-09	1.51E-10	3.39E-09	6.81E-10	1.13E-09	3.73E-11	1.85E-09
5589	741020.6	4112569.2	8.00E-09	1.46E-08	8.00E-10	2.34E-08	1.24E-09	2.39E-09	1.20E-10	3.75E-09	1.21E-09	2.06E-09	1.52E-10	3.42E-09	6.85E-10	1.13E-09	3.76E-11	1.86E-09
5590	741000.79	4112555.51	8.04E-09	1.47E-08	8.05E-10	2.35E-08	1.25E-09	2.40E-09	1.21E-10	3.77E-09	1.21E-09	2.07E-09	1.53E-10	3.43E-09	6.89E-10	1.14E-09	3.78E-11	1.87E-09
5591	740980.97	4112541.82	8.07E-09	1.47E-08	8.08E-10	2.36E-08	1.25E-09	2.41E-09	1.21E-10	3.78E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.92E-10	1.14E-09	3.79E-11	1.87E-09
5592	740961.15	4112528.14	8.09E-09	1.47E-08	8.10E-10	2.36E-08	1.25E-09	2.42E-09	1.21E-10	3.79E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.93E-10	1.15E-09	3.80E-11	1.88E-09
5593	740941.34	4112514.45	8.09E-09	1.48E-08	8.10E-10	2.37E-08	1.26E-09	2.42E-09	1.21E-10	3.80E-09	1.22E-09	2.08E-09	1.54E-10	3.46E-09	6.94E-10	1.15E-09	3.80E-11	1.88E-09
5594	740921.52	4112500.76	8.08E-09	1.47E-08	8.09E-10	2.36E-08	1.25E-09	2.42E-09	1.21E-10	3.79E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.93E-10	1.15E-09	3.80E-11	1.88E-09
5595	740901.71	4112487.08	8.06E-09	1.47E-08	8.06E-10	2.35E-08	1.25E-09	2.41E-09	1.21E-10	3.78E-09	1.22E-09	2.07E-09	1.54E-10	3.44E-09	6.90E-10	1.14E-09	3.79E-11	1.87E-09
5596	740881.89	4112473.39	8.02E-09	1.46E-08	8.02E-10	2.34E-08	1.24E-09	2.40E-09	1.20E-10	3.76E-09	1.21E-09	2.06E-09	1.53E-10	3.42E-09	6.87E-10	1.14E-09	3.77E-11	1.86E-09
5597	740862.07	4112459.7	7.96E-09	1.45E-08	7.97E-10	2.33E-08	1.24E-09	2.38E-09	1.20E-10	3.73E-09	1.20E-09	2.05E-09	1.52E-10	3.40E-09	6.82E-10	1.13E-09	3.74E-11	1.85E-09
5598	740842.26	4112446.01	7.90E-09	1.44E-08	7.90E-10	2.31E-08	1.23E-09	2.36E-09	1.19E-10	3.70E-09	1.19E-09	2.03E-09	1.51E-10	3.37E-09	6.77E-10	1.12E-09	3.71E-11	1.83E-09
5599	740822.44	4112432.33	7.83E-09	1.43E-08	7.83E-10	2.29E-08	1.21E-09	2.34E-09	1.17E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.71E-10	1.11E-09	3.68E-11	1.82E-09
5600	740802.63	4112418.64	7.75E-09	1.41E-08	7.76E-10	2.27E-08	1.20E-09	2.32E-09	1.16E-10	3.63E-09	1.17E-09	1.99E-09	1.48E-10	3.31E-09	6.64E-10	1.10E-09	3.64E-11	1.80E-09
5601	740782.81	4112404.95	7.67E-09	1.40E-08	7.68E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.60E-09	1.16E-09	1.97E-09	1.46E-10	3.28E-09	6.58E-10	1.09E-09	3.61E-11	1.78E-09
5602	740763	4112391.27	7.60E-09	1.39E-08	7.61E-10	2.22E-08	1.18E-09	2.27E-09	1.14E-10	3.56E-09	1.15E-09	1.95E-09	1.45E-10	3.25E-09	6.51E-10	1.08E-09	3.57E-11	1.77E-09
5603	740743.18	4112377.58	7.54E-09	1.37E-08	7.54E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.14E-09	1.94E-09	1.44E-10	3.22E-09	6.46E-10	1.07E-09	3.54E-11	1.75E-09

5604	740723.36	4112363.89	7.49E-09	1.37E-08	7.50E-10	2.19E-08	1.16E-09	2.24E-09	1.12E-10	3.51E-09	1.13E-09	1.93E-09	1.43E-10	3.20E-09	6.42E-10	1.06E-09	3.52E-11	1.74E-09
5605	740703.55	4112350.21	7.46E-09	1.36E-08	7.47E-10	2.18E-08	1.16E-09	2.23E-09	1.12E-10	3.50E-09	1.13E-09	1.92E-09	1.42E-10	3.19E-09	6.40E-10	1.06E-09	3.51E-11	1.73E-09
5606	740683.73	4112336.52	7.46E-09	1.36E-08	7.47E-10	2.18E-08	1.16E-09	2.23E-09	1.12E-10	3.50E-09	1.13E-09	1.92E-09	1.42E-10	3.19E-09	6.40E-10	1.06E-09	3.51E-11	1.73E-09
5607	740663.92	4112322.83	7.49E-09	1.36E-08	7.49E-10	2.19E-08	1.16E-09	2.24E-09	1.12E-10	3.51E-09	1.13E-09	1.93E-09	1.43E-10	3.20E-09	6.42E-10	1.06E-09	3.52E-11	1.74E-09
5608	740644.1	4112309.14	7.55E-09	1.38E-08	7.55E-10	2.21E-08	1.17E-09	2.26E-09	1.13E-10	3.54E-09	1.14E-09	1.94E-09	1.44E-10	3.22E-09	6.47E-10	1.07E-09	3.55E-11	1.75E-09
5609	740624.28	4112295.46	7.64E-09	1.39E-08	7.65E-10	2.23E-08	1.19E-09	2.28E-09	1.15E-10	3.58E-09	1.15E-09	1.96E-09	1.46E-10	3.26E-09	6.55E-10	1.08E-09	3.59E-11	1.77E-09
5610	740604.47	4112281.77	7.77E-09	1.42E-08	7.77E-10	2.27E-08	1.20E-09	2.32E-09	1.17E-10	3.64E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.65E-10	1.10E-09	3.65E-11	1.80E-09
5611	740584.65	4112268.08	7.92E-09	1.44E-08	7.92E-10	2.31E-08	1.23E-09	2.37E-09	1.19E-10	3.71E-09	1.19E-09	2.04E-09	1.51E-10	3.38E-09	6.79E-10	1.12E-09	3.72E-11	1.84E-09
5612	740564.84	4112254.4	8.10E-09	1.48E-08	8.10E-10	2.37E-08	1.26E-09	2.42E-09	1.22E-10	3.80E-09	1.22E-09	2.08E-09	1.54E-10	3.46E-09	6.94E-10	1.15E-09	3.81E-11	1.88E-09
5613	740545.02	4112240.71	8.29E-09	1.51E-08	8.30E-10	2.42E-08	1.29E-09	2.48E-09	1.24E-10	3.89E-09	1.25E-09	2.13E-09	1.58E-10	3.54E-09	7.11E-10	1.18E-09	3.90E-11	1.93E-09
5614	740525.2	4112227.02	8.50E-09	1.55E-08	8.51E-10	2.49E-08	1.32E-09	2.54E-09	1.28E-10	3.99E-09	1.28E-09	2.19E-09	1.62E-10	3.63E-09	7.29E-10	1.21E-09	4.00E-11	1.97E-09
5615	740505.39	4112213.33	8.71E-09	1.59E-08	8.72E-10	2.55E-08	1.35E-09	2.60E-09	1.31E-10	4.09E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.47E-10	1.24E-09	4.10E-11	2.02E-09
5616	740485.57	4112199.65	8.92E-09	1.63E-08	8.92E-10	2.61E-08	1.38E-09	2.66E-09	1.34E-10	4.18E-09	1.34E-09	2.29E-09	1.70E-10	3.81E-09	7.64E-10	1.26E-09	4.19E-11	2.07E-09
5617	740465.76	4112185.96	9.10E-09	1.66E-08	9.11E-10	2.66E-08	1.41E-09	2.72E-09	1.37E-10	4.27E-09	1.37E-09	2.34E-09	1.73E-10	3.89E-09	7.80E-10	1.29E-09	4.28E-11	2.11E-09
5618	740445.94	4112172.27	9.27E-09	1.69E-08	9.28E-10	2.71E-08	1.44E-09	2.77E-09	1.39E-10	4.35E-09	1.40E-09	2.38E-09	1.77E-10	3.96E-09	7.95E-10	1.31E-09	4.36E-11	2.15E-09
5619	740426.13	4112158.59	9.42E-09	1.72E-08	9.43E-10	2.75E-08	1.46E-09	2.82E-09	1.41E-10	4.42E-09	1.42E-09	2.42E-09	1.80E-10	4.02E-09	8.07E-10	1.34E-09	4.43E-11	2.19E-09
5620	740406.31	4112144.9	9.55E-09	1.74E-08	9.55E-10	2.79E-08	1.48E-09	2.85E-09	1.43E-10	4.48E-09	1.44E-09	2.45E-09	1.82E-10	4.08E-09	8.18E-10	1.35E-09	4.49E-11	2.22E-09
5621	740386.49	4112131.21	9.65E-09	1.76E-08	9.66E-10	2.82E-08	1.50E-09	2.88E-09	1.45E-10	4.52E-09	1.46E-09	2.48E-09	1.84E-10	4.12E-09	8.27E-10	1.37E-09	4.54E-11	2.24E-09
5622	740366.68	4112117.52	9.72E-09	1.77E-08	9.72E-10	2.84E-08	1.51E-09	2.90E-09	1.46E-10	4.56E-09	1.47E-09	2.50E-09	1.85E-10	4.15E-09	8.33E-10	1.38E-09	4.57E-11	2.26E-09
5623	740346.86	4112103.84	9.75E-09	1.78E-08	9.76E-10	2.85E-08	1.51E-09	2.91E-09	1.46E-10	4.57E-09	1.47E-09	2.51E-09	1.86E-10	4.16E-09	8.36E-10	1.38E-09	4.58E-11	2.26E-09
5624	740327.05	4112090.15	9.77E-09	1.78E-08	9.78E-10	2.86E-08	1.52E-09	2.92E-09	1.47E-10	4.58E-09	1.47E-09	2.51E-09	1.86E-10	4.17E-09	8.38E-10	1.39E-09	4.59E-11	2.27E-09
5625	740307.23	4112076.46	9.78E-09	1.78E-08	9.79E-10	2.86E-08	1.52E-09	2.92E-09	1.47E-10	4.59E-09	1.47E-09	2.51E-09	1.86E-10	4.18E-09	8.38E-10	1.39E-09	4.60E-11	2.27E-09
5626	740287.41	4112062.78	9.78E-09	1.78E-08	9.79E-10	2.86E-08	1.52E-09	2.92E-09	1.47E-10	4.59E-09	1.48E-09	2.51E-09	1.86E-10	4.18E-09	8.38E-10	1.39E-09	4.60E-11	2.27E-09
5627	740267.6	4112049.09	9.78E-09	1.78E-08	9.79E-10	2.86E-08	1.52E-09	2.92E-09	1.47E-10	4.59E-09	1.48E-09	2.51E-09	1.86E-10	4.18E-09	8.38E-10	1.39E-09	4.60E-11	2.27E-09
5628	740247.78	4112035.4	9.79E-09	1.78E-08	9.80E-10	2.86E-08	1.52E-09	2.93E-09	1.47E-10	4.59E-09	1.48E-09	2.52E-09	1.87E-10	4.18E-09	8.39E-10	1.39E-09	4.60E-11	2.27E-09
5629	740227.97	4112021.72	9.81E-09	1.79E-08	9.82E-10	2.87E-08	1.52E-09	2.93E-09	1.47E-10	4.60E-09	1.48E-09	2.52E-09	1.87E-10	4.19E-09	8.41E-10	1.39E-09	4.61E-11	2.28E-09
5630	740208.15	4112008.03	9.85E-09	1.79E-08	9.86E-10	2.88E-08	1.53E-09	2.94E-09	1.48E-10	4.62E-09	1.49E-09	2.53E-09	1.88E-10	4.21E-09	8.44E-10	1.40E-09	4.63E-11	2.29E-09
5631	740188.33	4111994.34	9.91E-09	1.81E-08	9.91E-10	2.90E-08	1.54E-09	2.96E-09	1.49E-10	4.65E-09	1.49E-09	2.55E-09	1.89E-10	4.23E-09	8.49E-10	1.40E-09	4.66E-11	2.30E-09
5632	740168.52	4111980.65	9.99E-09	1.82E-08	1.00E-09	2.92E-08	1.55E-09	2.98E-09	1.50E-10	4.68E-09	1.51E-09	2.57E-09	1.90E-10	4.27E-09	8.56E-10	1.42E-09	4.70E-11	2.32E-09
5633	740148.7	4111966.97	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.57E-09	3.02E-09	1.52E-10	4.73E-09	1.52E-09	2.60E-09	1.92E-10	4.31E-09	8.65E-10	1.43E-09	4.75E-11	2.34E-09
5634	740128.89	4111953.28	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.59E-09	3.06E-09	1.54E-10	4.80E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.77E-10	1.45E-09	4.81E-11	2.37E-09
5635	740109.07	4111939.59	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.10E-09	1.56E-10	4.87E-09	1.57E-09	2.67E-09	1.98E-10	4.43E-09	8.90E-10	1.47E-09	4.88E-11	2.41E-09
5636	740089.25	4111925.91	1.06E-08	1.92E-08	1.06E-09	3.08E-08	1.64E-09	3.15E-09	1.58E-10	4.95E-09	1.59E-09	2.71E-09	2.01E-10	4.51E-09	9.04E-10	1.50E-09	4.96E-11	2.45E-09
5637	740069.44	4111912.22	1.07E-08	1.96E-08	1.07E-09	3.14E-08	1.67E-09	3.21E-09	1.61E-10	5.04E-09	1.62E-09	2.76E-09	2.05E-10	4.59E-09	9.20E-10	1.52E-09	5.05E-11	2.49E-09
5638	740049.62	4111898.53	1.09E-08	1.99E-08	1.09E-09	3.20E-08	1.70E-09	3.27E-09	1.64E-10	5.13E-09	1.65E-09	2.81E-09	2.08E-10	4.67E-09	9.37E-10	1.55E-09	5.14E-11	2.54E-09
5639	740029.81	4111884.84	1.11E-08	2.03E-08	1.11E-09	3.25E-08	1.73E-09	3.33E-09	1.67E-10	5.22E-09	1.68E-09	2.86E-09	2.12E-10	4.75E-09	9.54E-10	1.58E-09	5.23E-11	2.58E-09
5640	740009.99	4111871.16	1.13E-08	2.06E-08	1.13E-09	3.31E-08	1.76E-09	3.38E-09	1.70E-10	5.31E-09	1.71E-09	2.91E-09	2.16E-10	4.84E-09	9.71E-10	1.61E-09	5.32E-11	2.63E-09
5641	739990.18	4111857.47	1.15E-08	2.10E-08	1.15E-09	3.36E-08	1.78E-09	3.44E-09	1.73E-10	5.40E-09	1.74E-09	2.96E-09	2.19E-10	4.91E-09	9.86E-10	1.63E-09	5.41E-11	2.67E-09
5642	739970.36	4111843.78	1.17E-08	2.13E-08	1.17E-09	3.41E-08	1.81E-09	3.49E-09	1.75E-10	5.48E-09	1.76E-09	3.00E-09	2.23E-10	4.99E-09	1.00E-09	1.66E-09	5.49E-11	2.71E-09
5643	739950.54	4111830.1	1.18E-08	2.16E-08	1.18E-09	3.46E-08	1.84E-09	3.54E-09	1.78E-10	5.55E-09	1.78E-09	3.04E-09	2.26E-10	5.05E-09	1.01E-09	1.68E-09	5.56E-11	2.75E-09
5644	739930.73	4111816.41	1.20E-08	2.18E-08	1.20E-09	3.50E-08	1.86E-09	3.58E-09	1.80E-10	5.61E-09	1.81E-09	3.08E-09	2.28E-10	5.11E-09	1.03E-09	1.70E-09	5.63E-11	2.78E-09
5645	739910.91	4111802.72	1.21E-08	2.20E-08	1.21E-09	3.53E-08	1.88E-09	3.61E-09	1.81E-10	5.67E-09	1.82E-09	3.11E-09	2.30E-10	5.16E-09	1.04E-09	1.71E-09	5.68E-11	2.81E-09
5646	739891.1	4111789.03	1.22E-08	2.22E-08	1.22E-09	3.56E-08	1.89E-09	3.64E-09	1.83E-10	5.72E-09	1.84E-09	3.13E-09	2.32E-10	5.21E-09	1.04E-09	1.73E-09	5.73E-11	2.83E-09
5647	739871.28	4111775.35	1.23E-08	2.24E-08	1.23E-09	3.59E-08	1.90E-09	3.67E-09	1.84E-10	5.76E-09	1.85E-09	3.16E-09	2.34E-10	5.24E-09	1.05E-09	1.74E-09	5.77E-11	2.85E-09
5648	739851.46	4111761.66	1.23E-08	2.25E-08	1.24E-09	3.61E-08	1.91E-09	3.69E-09	1.85E-10	5.79E-09	1.86E-09	3.17E-09	2.35E-10	5.27E-09	1.06E-09	1.75E-09	5.80E-11	2.87E-09
5649	739831.65	4111747.97	1.24E-08	2.26E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.81E-09	1.87E-09	3.19E-09	2.36E-10	5.29E-09	1.06E-09	1.76E-09	5.83E-11	2.88E-09
5650	739811.83	4111734.29	1.24E-08	2.27E-08	1.24E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.83E-09	1.88E-09	3.20E-09	2.37E-10	5.31E-09	1.07E-09	1.76E-09	5.85E-11	2.89E-09
5651	739792.02	4111720.6	1.25E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.85E-09	1.88E-09	3.21E-09	2.38E-10	5.32E-09	1.07E-09	1.77E-09	5.86E-11	2.89E-09
5652	739772.2	4111706.91	1.25E-08	2.28E-08	1.25E-09	3.65E-08	1.94E-09	3.73E-09	1.87E-10	5.85E-09	1.88E-09	3.21E-09	2.38E-10	5.33E-09	1.07E-09	1.77E-09	5.87E-11	2.90E-09
5653	739752.38	4111693.23	1.25E-08	2.28E-08	1.25E-09	3.65E-08	1.94E-09	3.73E-09	1.87E-10	5.86E-09	1.88E-09	3.21E-09	2.38E-10	5.33E-09	1.07E-09	1.77E-09	5.87E-11	2.90E-09
5654	739732.57	4111679.54	1.25E-08	2.27E-08	1.25E-09	3.65E-08	1.94E-09	3.73E-09	1.87E-10	5.85E-09	1.88E-09	3.21E-09	2.38E-10	5.33E-09	1.07E-09	1.77E-09	5.87E-11	2.90E-09
5655	739712.75	4111665.85	1.25E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.84E-09	1.88E-09	3.20E-09	2.37E-10	5.32E-09	1.07E-09	1.77E-09	5.86E-11	2.89E-09
5656	739692.94	4111652.16	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.87E-10	5.83E-09	1.87E-09	3.19E-09	2.37E-10	5.31E-09	1.06E-09	1.76E-09	5.84E-11	2.89E-09
5657	739673.12	4111638.48	1.24E-08	2.26E-08	1.24E-09	3.62E-08	1.92E-09	3.70E-09	1.86E-10	5.80E-09	1.87E-09	3.18E-09	2.36E-10	5.28E-09	1.06E-09	1.76E-09	5.82E-11	2.87E-09
5658	743433.84	4112414.77	3.58E-09	6.52E-09	3.58E-10	1.05E-08	5.55E-10	1.07E-09	5.37E-11	1.68E-09	5.40E-10	9.20E-10	6.82E-11	1.53E-09	3.07E-10	5.07E-10	1.68E-11	8.31E-10
5659	743453.95	4112401.28	3.53E-09	6.44E-09	3.54E-10	1.03E-08	5.48E-10	1.06E-09	5.31E-11	1.66E-09	5.33E-10	9.09E-10	6.74E-11	1.51E-09	3.03E-10	5.01E-10	1.66E-11	8.21E-10
5660	743474.06	4112387.78	3.49E-09	6.35E-09	3.49E-10	1.02E-08	5.41E-10	1.04E-09	5.23E-11	1.63E-09	5.26E-10	8.96E-10	6.64E-11	1.49E-09	2.99E-10	4.94E-10	1.64E-11	8.10E-10
5661	743494.17	4112374.29	3.44E-09	6.27E-09	3.44E-10	1.01E-08	5.33E-10	1.03E-09	5.16E-11	1.61E-09	5.19E-10	8.84E-10	6.55E-11	1.47E-09	2.95E-10	4.88E-10	1.62E-11	7.99E-10
5662	743514.28	4112360.8	3.39E-09	6.17E-09	3.39E-10	9.90E-09	5.25E-10	1.01E-09	5.08E-11	1.59E-09	5.11E-10	8.71E-10	6.45E-11	1.45E-09	2.90E-10	4.80E-10	1.59E-11	7.86E-10
5663	743534.39	4112347.31	3.34E-09	6.09E-09	3.34E-10	9.76E-09	5.18E-10	9.98E-10	5.01E-11	1.57E-09	5.04E-10	8.59E-10	6.36E-11	1.43E-09	2.86E-10	4.74E-10	1.57E-11	7.75E-10
5664	743554.5	4112333.82	3.29E-09	6.00E-09	3.30E-10	9.63E-09	5.11E-10	9.84E-10	4.94E-11	1.54E-09	4.97E-10	8.47E-10	6.28E-11	1.41E-09	2.82E-10	4.67E-10	1.55E-11	7.65E-10
5665	743574.61	4112320.32	3.26E-09	5.93E-09	3.26E-10	9.51E-09	5.05E-10	9.72E-10	4.89E-11	1.53E-09	4.91E-10	8.37E-10	6.20E-11	1.39E-09	2.79E-10	4.62E-10	1.53E-11	7.56E-10
5666	743594.72	4112306.83	3.15E-09	5.75E-09	3.16E-10	9.21E-09	4.89E-10	9.42E-10	4.73E-11	1.48E-09	4.76E-10	8.11E-10	6.01E-11	1.35E-09	2.70E-10	4.47E-10	1.48E-11	7.32E-10
5667	743614.83	4112293.34	3.12E-09	5.69E-09	3.12E-10	9.13E-09	4.84E-10	9.33E-10	4.69E-11	1.46E-09	4.71E-10	8.03E-10	5.95E-11	1.33E-09	2.68E-10	4.43E-10	1.47E-11	7.25E-10
5668	743634.94	4112279.85	3.11E-09	5.67E-09	3.11E-10	9.09E-09	4.82E-10	9.29E-10	4.67E-11	1.46E-09	4.69E-10	7.99E-10	5.93E-11	1.33E-09	2.66E-10	4.41E-10	1.46E-11	7.22E-10
5669	743655.05	4112266.35	3.12E-09	5.69E-09	3.12E-10	9.12E-09	4.84E-10	9.32E-10	4.68E-11	1.46E-09	4.71E-10	8.02E-10	5.95E-11	1.33E-09	2.67E-10	4.42E-10	1.47E-11	7.25E-10
5670	743675.16	4112252.86	3.16E-09	5.76E-09	3.16E-10	9.24E-09	4.90E-10	9.45E-10	4.75E-11	1.48E-09	4.77E-10	8.13E-10	6.03E-11	1.35E-09	2.71E-10	4.48E-10	1.49E-11	7.34E-10
5671	743695.27	4112239.37	3.22E-09	5.88E-09	3.23E-10	9.42E-09	5.00E-10	9.63E-10	4.84E-11	1.51E-09	4.86E-10	8.29E-10	6.15E-11	1.38E-09	2.76E-10	4.57E-10	1.52E-11	7.49E-10
5672	743633.09	4112751.54	3.05E-09	5.56E-09	3.06E-10	8.92E-09	4.74E-10	9.12E-10	4.58E-11	1.43E-09	4.60E-10	7.85E-10	5.82E-11	1.30E-09	2.62E-10	4.33E-10	1.44E-11	7.09E-10
5673	743609.48	4112756.14	3.10E-09	5.64E-09	3.10E-10	9.05E-09	4.80E-10	9.25E-10	4.65E-11	1.45E-09	4.67E-10	7.96E-10	5.90E-11	1.32E-09	2.65E-10	4.39E-10	1.46E-11	7.19E-10
5674	743585.87	4112760.74	3.14E-09	5.71E-09	3.14E-10	9.16E-09	4.86E-10	9.37E-10	4.71E-11	1.47E-09	4.73E-10	8.06E-10	5.98E-11	1.34E-09	2.69E-10	4.45E-10	1.47E-11	7.28E-10
5675	743562.25	4112765.34	3.16E-09	5.77E-09	3.17E-10	9.25E-09	4.91E-10	9.45E-10	4.75E-11	1.48E-09	4.77E-10	8.13E-10	6.03E-11	1.35E-09	2.71E-10	4.49E-10	1.49E-11	7.35E-10
5676	743538.64	4112769.94	3.18E-09	5.80E-09	3.18E-10	9.30E-09	4.93E-10	9.50E-10	4.77E-11	1.49E-09	4.80E-10	8.18E-10	6.06E-11	1.36E-09	2.73E-10	4.51E-10	1.50E-11	7.39E-10
5677	743515.03	4112774.55	3.19E-09	5.82E-09	3.19E-10	9.33E-09	4.95E-10	9.54E-10	4.79E-11	1.50E-09	4.81E-10	8.21E-10	6.08E-11	1.36E-09	2.74E-10	4.53E-10	1.50E-11	7.41E-10
5678	743491.42	4112779.15	3.19E-09	5.82E-09	3.20E-10	9.34E-09	4.95E-10	9.54E-10	4.79E-11	1.50E-09	4.82E-10	8.21E-10	6.09E-11	1.36E-09	2.74E-10	4.53E-10	1.50E-11	7.42E-10
5679	743467.8	4112783.75	3.19E-09	5.81E-09	3.19E-10	9.32E-09	4.94E-10	9.52E-10	4.78E-11	1.49E-09	4.81E-10	8.20E-10	6.07E-11	1.36E-09	2.73E-10	4.52E-10	1.50E-11	7.40E-10
5680	743444.19	4112788.35	3.17E-09	5.78E-09	3.17E-10	9.27E-09	4.92E-10	9.48E-10	4.76E-11	1.49E-09	4.78E-10	8.16E-10	6.05E-11	1.35E-09	2.72E-10	4.50E-10	1.49E-11	7.37E-10
5681	743420.58	4112792.95	3.15E-09	5.75E-09	3.16E-10	9.21E-09	4.89E-10	9.42E-10	4.73E-11	1.48E-09	4.76E-10	8.11E-10	6.01E-11	1.35E-09	2.70E-10	4.47E-10	1.48E-11	7.32E-10
5682	743396.97	4112797.55	3.13E-09	5.70E-09	3.13E-10	9.14E-09	4.85E-10	9.34E-10	4.69E-11	1.47E-09	4.72E-10	8.04E-10	5.96E-11	1.34E-09	2.68E-10	4.43E-10	1.47E-11	7.26E-10
5683	743373.36	4112802.16	3.11E-09	5.67E-09	3.11E-10	9.09E-09	4.83E-10	9.30E-10	4.67E-11	1.46E-09	4.69E-10	8.00E-10	5.93E-11	1.33E-09	2.67E-10	4.41E-10	1.46E-11	7.23E-10
5684	743349.74	4112806.76	3.09E-09	5.64E-09	3.09E-10	9.04E-09	4.80E-10	9.24E-10	4.64E-11	1.45E-09	4.66E-10	7.95E-10	5.89E-11	1.32E-09	2.65E-10	4.39E-10	1.45E-11	7.18E-10
5685	743326.13	4112811.36	3.08E-09	5.60E-09	3.08E-10	8.99E-09	4.77E-10	9.19E-10	4.62E-11	1.44E-09	4.64E-10	7.91E-10	5.86E-11	1.31E-09	2.64E-10	4.36E-10	1.45E-11	7.14E-10
5686	743302.52	4112815.96	3.06E-09	5.57E-09	3.06E-10	8.94E-09	4.74E-10	9.14E-10	4.59E-11	1.43E-09	4.61E-10	7.86E-10	5.83E-11	1.31E-09	2.62E-10	4.34E-10	1.44E-11	7.10E-10
5687	743278.91	4112820.56	3.05E-09	5.55E-09	3.05E-10	8.90E-09	4.72E-10	9.10E-10	4.57E-11	1.43E-09	4.59E-10	7.83E-10	5.80E-11	1.30E-09	2.61E-10	4.32E-10	1.43E-11	7.07E-10
5688	743255.29	4112825.16	3.04E-09	5.53E-09	3.04E-10	8.87E-09	4.71E-10	9.07E-10	4.56E-11	1.42E-09	4.58E-10	7.81E-10	5.79E-11	1.30E-09	2.60E-10	4.31E-10	1.43E-11	7.05E-10
5689	743231.68	4112829.77	3.03E-09	5.53E-09	3.04E-10	8.87E-09	4.71E-10	9.06E-10	4.55E-11	1.42E-09	4.58E-10	7.80E-10	5.78E-11	1.30E-09	2.60E-10	4.30E-10	1.43E-11	7.04E-10
5690	743208.07	4112834.37	3.04E-09	5.53E-09	3.04E-10	8.87E-09	4.71E-10	9.07E-10	4.56E-11	1.42E-09	4.58E-10	7.81E-10	5.79E-11	1.30E-09	2.60E-10	4.31E-10	1.43E-11	7.05E-10
5691	743184.46	4112838.97	3.05E-09	5.55E-09	3.05E-10	8.90E-09	4.72E-10	9.10E-10	4.57E-11	1.43E-09	4.59E-10	7.83E-10	5.80E-11	1.30E-09	2.61E-10	4.32E-10	1.43E-11	7.07E-10
5692	743160.84	4112843.57	3.06E-09	5.58E-09	3.06E-10	8.94E-09	4.75E-10	9.14E-10	4.59E-11	1.43E-09	4.61E-10	7.87E-10	5.83E-11	1.31E-09	2.62E-10	4.34E-10	1.44E-11	7.10E-10

5693	743137.23	4112848.17	3.08E-09	5.62E-09	3.08E-10	9.01E-09	4.78E-10	9.21E-10	4.63E-11	1.44E-09	4.65E-10	7.92E-10	5.87E-11	1.32E-09	2.64E-10	4.37E-10	1.45E-11	7.16E-10
5694	743113.62	4112852.78	3.11E-09	5.67E-09	3.11E-10	9.09E-09	4.82E-10	9.29E-10	4.67E-11	1.46E-09	4.69E-10	7.99E-10	5.93E-11	1.33E-09	2.66E-10	4.41E-10	1.46E-11	7.22E-10
5695	743090.01	4112857.38	3.14E-09	5.73E-09	3.14E-10	9.18E-09	4.87E-10	9.39E-10	4.72E-11	1.47E-09	4.74E-10	8.08E-10	5.99E-11	1.34E-09	2.69E-10	4.46E-10	1.48E-11	7.30E-10
5696	743066.39	4112861.98	3.18E-09	5.80E-09	3.18E-10	9.30E-09	4.93E-10	9.50E-10	4.77E-11	1.49E-09	4.80E-10	8.18E-10	6.06E-11	1.36E-09	2.73E-10	4.51E-10	1.50E-11	7.39E-10
5697	743042.78	4112866.58	3.23E-09	5.88E-09	3.23E-10	9.43E-09	5.00E-10	9.64E-10	4.84E-11	1.51E-09	4.87E-10	8.30E-10	6.15E-11	1.38E-09	2.77E-10	4.58E-10	1.52E-11	7.49E-10
5698	743019.17	4112871.18	3.28E-09	5.98E-09	3.28E-10	9.58E-09	5.08E-10	9.80E-10	4.92E-11	1.54E-09	4.94E-10	8.43E-10	6.25E-11	1.40E-09	2.81E-10	4.65E-10	1.54E-11	7.61E-10
5699	742995.56	4112875.78	3.34E-09	6.08E-09	3.34E-10	9.75E-09	5.17E-10	9.96E-10	5.01E-11	1.56E-09	5.03E-10	8.57E-10	6.36E-11	1.42E-09	2.86E-10	4.73E-10	1.57E-11	7.74E-10
5700	742971.95	4112880.39	3.40E-09	6.19E-09	3.40E-10	9.93E-09	5.27E-10	1.02E-09	5.10E-11	1.59E-09	5.12E-10	8.74E-10	6.48E-11	1.45E-09	2.91E-10	4.82E-10	1.60E-11	7.89E-10
5701	742948.33	4112884.99	3.47E-09	6.32E-09	3.47E-10	1.01E-08	5.38E-10	1.04E-09	5.20E-11	1.63E-09	5.23E-10	8.91E-10	6.61E-11	1.48E-09	2.97E-10	4.92E-10	1.63E-11	8.05E-10
5702	742924.72	4112889.59	3.54E-09	6.46E-09	3.55E-10	1.04E-08	5.50E-10	1.06E-09	5.32E-11	1.66E-09	5.34E-10	9.11E-10	6.75E-11	1.51E-09	3.04E-10	5.02E-10	1.67E-11	8.23E-10
5703	742901.11	4112894.19	3.62E-09	6.60E-09	3.63E-10	1.06E-08	5.62E-10	1.08E-09	5.44E-11	1.70E-09	5.46E-10	9.32E-10	6.91E-11	1.55E-09	3.10E-10	5.14E-10	1.70E-11	8.41E-10
5704	742877.5	4112898.79	3.71E-09	6.76E-09	3.71E-10	1.08E-08	5.75E-10	1.11E-09	5.57E-11	1.74E-09	5.60E-10	9.54E-10	7.07E-11	1.58E-09	3.18E-10	5.26E-10	1.74E-11	8.61E-10
5705	742853.88	4112903.39	3.80E-09	6.93E-09	3.80E-10	1.11E-08	5.90E-10	1.14E-09	5.71E-11	1.78E-09	5.73E-10	9.77E-10	7.24E-11	1.62E-09	3.26E-10	5.39E-10	1.79E-11	8.83E-10
5706	742830.27	4112908	3.90E-09	7.10E-09	3.90E-10	1.14E-08	6.05E-10	1.16E-09	5.85E-11	1.83E-09	5.88E-10	1.00E-09	7.43E-11	1.66E-09	3.34E-10	5.53E-10	1.83E-11	9.05E-10
5707	742806.66	4112912.6	4.00E-09	7.29E-09	4.00E-10	1.17E-08	6.20E-10	1.20E-09	6.00E-11	1.88E-09	6.03E-10	1.03E-09	7.62E-11	1.71E-09	3.43E-10	5.67E-10	1.88E-11	9.29E-10
5708	742783.05	4112917.2	4.10E-09	7.48E-09	4.10E-10	1.20E-08	6.36E-10	1.23E-09	6.16E-11	1.92E-09	6.19E-10	1.05E-09	7.82E-11	1.75E-09	3.52E-10	5.82E-10	1.93E-11	9.53E-10
5709	742759.43	4112921.8	4.21E-09	7.67E-09	4.21E-10	1.23E-08	6.52E-10	1.26E-09	6.31E-11	1.97E-09	6.34E-10	1.08E-09	8.02E-11	1.80E-09	3.60E-10	5.96E-10	1.98E-11	9.77E-10
5710	742735.82	4112926.4	4.31E-09	7.85E-09	4.31E-10	1.26E-08	6.68E-10	1.29E-09	6.47E-11	2.02E-09	6.50E-10	1.11E-09	8.21E-11	1.84E-09	3.69E-10	6.11E-10	2.03E-11	1.00E-09
5711	742712.21	4112931	4.41E-09	8.04E-09	4.41E-10	1.29E-08	6.84E-10	1.32E-09	6.62E-11	2.07E-09	6.65E-10	1.13E-09	8.40E-11	1.88E-09	3.78E-10	6.25E-10	2.07E-11	1.02E-09
5712	742688.6	4112935.61	4.51E-09	8.21E-09	4.51E-10	1.32E-08	6.99E-10	1.35E-09	6.76E-11	2.11E-09	6.79E-10	1.16E-09	8.59E-11	1.92E-09	3.86E-10	6.39E-10	2.12E-11	1.05E-09
5713	742664.99	4112940.21	4.59E-09	8.37E-09	4.60E-10	1.34E-08	7.12E-10	1.37E-09	6.89E-11	2.15E-09	6.93E-10	1.18E-09	8.75E-11	1.96E-09	3.94E-10	6.51E-10	2.16E-11	1.07E-09
5714	742641.37	4112944.81	4.67E-09	8.51E-09	4.67E-10	1.36E-08	7.24E-10	1.39E-09	7.01E-11	2.19E-09	7.04E-10	1.20E-09	8.90E-11	1.99E-09	4.00E-10	6.62E-10	2.19E-11	1.08E-09
5715	742617.76	4112949.41	4.74E-09	8.63E-09	4.74E-10	1.38E-08	7.35E-10	1.42E-09	7.11E-11	2.22E-09	7.14E-10	1.22E-09	9.03E-11	2.02E-09	4.06E-10	6.72E-10	2.23E-11	1.10E-09
5716	742594.15	4112954.01	4.79E-09	8.73E-09	4.79E-10	1.40E-08	7.43E-10	1.43E-09	7.19E-11	2.25E-09	7.23E-10	1.23E-09	9.13E-11	2.05E-09	4.11E-10	6.79E-10	2.25E-11	1.11E-09
5717	742570.54	4112958.62	4.84E-09	8.81E-09	4.84E-10	1.41E-08	7.50E-10	1.44E-09	7.26E-11	2.27E-09	7.29E-10	1.24E-09	9.21E-11	2.06E-09	4.14E-10	6.86E-10	2.27E-11	1.12E-09
5718	742546.92	4112963.22	4.87E-09	8.87E-09	4.87E-10	1.42E-08	7.55E-10	1.45E-09	7.30E-11	2.28E-09	7.34E-10	1.25E-09	9.27E-11	2.08E-09	4.17E-10	6.90E-10	2.29E-11	1.13E-09
5719	742523.31	4112967.82	4.89E-09	8.91E-09	4.89E-10	1.43E-08	7.58E-10	1.46E-09	7.33E-11	2.29E-09	7.37E-10	1.26E-09	9.31E-11	2.09E-09	4.19E-10	6.93E-10	2.30E-11	1.13E-09
5720	742499.7	4112972.42	4.90E-09	8.92E-09	4.90E-10	1.43E-08	7.59E-10	1.46E-09	7.35E-11	2.30E-09	7.38E-10	1.26E-09	9.33E-11	2.09E-09	4.20E-10	6.94E-10	2.30E-11	1.14E-09
5721	742476.09	4112977.02	4.89E-09	8.92E-09	4.90E-10	1.43E-08	7.59E-10	1.46E-09	7.34E-11	2.29E-09	7.38E-10	1.26E-09	9.33E-11	2.09E-09	4.19E-10	6.94E-10	2.30E-11	1.14E-09
5722	742452.47	4112981.62	4.89E-09	8.90E-09	4.89E-10	1.43E-08	7.58E-10	1.46E-09	7.33E-11	2.29E-09	7.37E-10	1.26E-09	9.31E-11	2.09E-09	4.19E-10	6.93E-10	2.30E-11	1.13E-09
5723	742428.86	4112986.23	4.87E-09	8.88E-09	4.87E-10	1.42E-08	7.56E-10	1.46E-09	7.31E-11	2.28E-09	7.35E-10	1.25E-09	9.28E-11	2.08E-09	4.17E-10	6.91E-10	2.29E-11	1.13E-09
5724	742405.25	4112990.83	4.85E-09	8.84E-09	4.86E-10	1.42E-08	7.53E-10	1.45E-09	7.28E-11	2.28E-09	7.32E-10	1.25E-09	9.25E-11	2.07E-09	4.16E-10	6.88E-10	2.28E-11	1.13E-09
5725	742381.64	4112995.43	4.83E-09	8.81E-09	4.84E-10	1.41E-08	7.49E-10	1.44E-09	7.25E-11	2.27E-09	7.29E-10	1.24E-09	9.21E-11	2.06E-09	4.14E-10	6.85E-10	2.27E-11	1.12E-09
5726	742358.03	4113000.03	4.81E-09	8.77E-09	4.81E-10	1.41E-08	7.46E-10	1.44E-09	7.22E-11	2.26E-09	7.26E-10	1.24E-09	9.17E-11	2.05E-09	4.12E-10	6.82E-10	2.26E-11	1.12E-09
5727	742334.41	4113004.63	4.79E-09	8.73E-09	4.79E-10	1.40E-08	7.43E-10	1.43E-09	7.19E-11	2.25E-09	7.23E-10	1.23E-09	9.13E-11	2.05E-09	4.11E-10	6.79E-10	2.25E-11	1.11E-09
5728	742310.8	4113009.23	4.77E-09	8.70E-09	4.78E-10	1.39E-08	7.40E-10	1.43E-09	7.16E-11	2.24E-09	7.20E-10	1.23E-09	9.09E-11	2.04E-09	4.09E-10	6.77E-10	2.24E-11	1.11E-09
5729	742287.19	4113013.84	4.76E-09	8.67E-09	4.76E-10	1.39E-08	7.38E-10	1.42E-09	7.14E-11	2.23E-09	7.17E-10	1.22E-09	9.06E-11	2.03E-09	4.08E-10	6.74E-10	2.24E-11	1.10E-09
5730	742263.58	4113018.44	4.75E-09	8.65E-09	4.75E-10	1.39E-08	7.36E-10	1.42E-09	7.12E-11	2.23E-09	7.16E-10	1.22E-09	9.04E-11	2.03E-09	4.07E-10	6.73E-10	2.23E-11	1.10E-09
5731	742239.96	4113023.04	4.74E-09	8.64E-09	4.74E-10	1.39E-08	7.35E-10	1.42E-09	7.12E-11	2.22E-09	7.15E-10	1.22E-09	9.04E-11	2.02E-09	4.06E-10	6.72E-10	2.23E-11	1.10E-09
5732	742216.35	4113027.64	4.74E-09	8.64E-09	4.74E-10	1.39E-08	7.35E-10	1.42E-09	7.11E-11	2.22E-09	7.15E-10	1.22E-09	9.03E-11	2.02E-09	4.06E-10	6.72E-10	2.23E-11	1.10E-09
5733	742192.74	4113032.24	4.74E-09	8.64E-09	4.75E-10	1.39E-08	7.36E-10	1.42E-09	7.12E-11	2.22E-09	7.15E-10	1.22E-09	9.04E-11	2.03E-09	4.07E-10	6.73E-10	2.23E-11	1.10E-09
5734	742169.13	4113036.84	4.75E-09	8.66E-09	4.76E-10	1.39E-08	7.37E-10	1.42E-09	7.14E-11	2.23E-09	7.17E-10	1.22E-09	9.06E-11	2.03E-09	4.07E-10	6.74E-10	2.23E-11	1.10E-09
5735	742145.51	4113041.45	4.77E-09	8.70E-09	4.78E-10	1.39E-08	7.40E-10	1.43E-09	7.16E-11	2.24E-09	7.20E-10	1.23E-09	9.09E-11	2.04E-09	4.09E-10	6.77E-10	2.24E-11	1.11E-09
5736	742121.9	4113046.05	4.79E-09	8.74E-09	4.80E-10	1.40E-08	7.43E-10	1.43E-09	7.20E-11	2.25E-09	7.23E-10	1.23E-09	9.14E-11	2.05E-09	4.11E-10	6.80E-10	2.25E-11	1.11E-09
5737	742098.29	4113050.65	4.82E-09	8.79E-09	4.82E-10	1.41E-08	7.48E-10	1.44E-09	7.24E-11	2.26E-09	7.27E-10	1.24E-09	9.19E-11	2.06E-09	4.13E-10	6.84E-10	2.27E-11	1.12E-09
5738	742074.68	4113055.25	4.85E-09	8.85E-09	4.86E-10	1.42E-08	7.53E-10	1.45E-09	7.29E-11	2.28E-09	7.32E-10	1.25E-09	9.25E-11	2.07E-09	4.16E-10	6.88E-10	2.28E-11	1.13E-09
5739	742051.07	4113059.85	4.89E-09	8.92E-09	4.90E-10	1.43E-08	7.59E-10	1.46E-09	7.34E-11	2.29E-09	7.38E-10	1.26E-09	9.33E-11	2.09E-09	4.19E-10	6.94E-10	2.30E-11	1.14E-09
5740	742027.45	4113064.46	4.93E-09	8.99E-09	4.94E-10	1.44E-08	7.65E-10	1.47E-09	7.41E-11	2.31E-09	7.44E-10	1.27E-09	9.40E-11	2.11E-09	4.23E-10	7.00E-10	2.32E-11	1.15E-09
5741	742003.84	4113069.06	4.98E-09	9.08E-09	4.98E-10	1.46E-08	7.72E-10	1.49E-09	7.47E-11	2.33E-09	7.51E-10	1.28E-09	9.49E-11	2.13E-09	4.27E-10	7.06E-10	2.34E-11	1.16E-09
5742	741980.23	4113073.66	5.03E-09	9.16E-09	5.03E-10	1.47E-08	7.80E-10	1.50E-09	7.55E-11	2.36E-09	7.58E-10	1.29E-09	9.58E-11	2.15E-09	4.31E-10	7.13E-10	2.36E-11	1.17E-09
5743	741956.62	4113078.26	5.08E-09	9.25E-09	5.08E-10	1.48E-08	7.87E-10	1.52E-09	7.62E-11	2.38E-09	7.66E-10	1.31E-09	9.68E-11	2.17E-09	4.35E-10	7.20E-10	2.39E-11	1.18E-09
5744	741933	4113082.86	5.13E-09	9.34E-09	5.13E-10	1.50E-08	7.95E-10	1.53E-09	7.70E-11	2.40E-09	7.73E-10	1.32E-09	9.77E-11	2.19E-09	4.39E-10	7.27E-10	2.41E-11	1.19E-09
5745	741909.39	4113087.46	5.18E-09	9.43E-09	5.18E-10	1.51E-08	8.03E-10	1.55E-09	7.77E-11	2.43E-09	7.80E-10	1.33E-09	9.86E-11	2.21E-09	4.43E-10	7.34E-10	2.43E-11	1.20E-09
5746	741885.78	4113092.07	5.22E-09	9.52E-09	5.23E-10	1.53E-08	8.10E-10	1.56E-09	7.84E-11	2.45E-09	7.88E-10	1.34E-09	9.95E-11	2.23E-09	4.48E-10	7.41E-10	2.45E-11	1.21E-09
5747	741862.17	4113096.67	5.27E-09	9.60E-09	5.27E-10	1.54E-08	8.17E-10	1.57E-09	7.91E-11	2.47E-09	7.94E-10	1.35E-09	1.00E-10	2.25E-09	4.51E-10	7.47E-10	2.48E-11	1.22E-09
5748	741838.55	4113101.27	5.31E-09	9.68E-09	5.32E-10	1.55E-08	8.24E-10	1.59E-09	7.97E-11	2.49E-09	8.01E-10	1.37E-09	1.01E-10	2.27E-09	4.55E-10	7.53E-10	2.50E-11	1.23E-09
5749	741814.94	4113105.87	5.35E-09	9.75E-09	5.35E-10	1.56E-08	8.30E-10	1.60E-09	8.03E-11	2.51E-09	8.07E-10	1.38E-09	1.02E-10	2.28E-09	4.59E-10	7.59E-10	2.51E-11	1.24E-09
5750	741791.33	4113110.47	5.39E-09	9.82E-09	5.39E-10	1.57E-08	8.36E-10	1.61E-09	8.09E-11	2.53E-09	8.12E-10	1.39E-09	1.03E-10	2.30E-09	4.62E-10	7.64E-10	2.53E-11	1.25E-09
5751	741767.72	4113115.07	5.42E-09	9.88E-09	5.43E-10	1.58E-08	8.41E-10	1.62E-09	8.14E-11	2.54E-09	8.18E-10	1.39E-09	1.03E-10	2.31E-09	4.65E-10	7.69E-10	2.55E-11	1.26E-09
5752	741744.11	4113119.68	5.45E-09	9.94E-09	5.46E-10	1.59E-08	8.46E-10	1.63E-09	8.18E-11	2.56E-09	8.22E-10	1.40E-09	1.04E-10	2.33E-09	4.67E-10	7.73E-10	2.56E-11	1.27E-09
5753	741720.49	4113124.28	5.48E-09	9.99E-09	5.48E-10	1.60E-08	8.50E-10	1.64E-09	8.23E-11	2.57E-09	8.27E-10	1.41E-09	1.04E-10	2.34E-09	4.70E-10	7.77E-10	2.58E-11	1.27E-09
5754	741696.88	4113128.88	5.51E-09	1.00E-08	5.51E-10	1.61E-08	8.54E-10	1.65E-09	8.27E-11	2.58E-09	8.31E-10	1.42E-09	1.05E-10	2.35E-09	4.72E-10	7.81E-10	2.59E-11	1.28E-09
5755	741673.27	4113133.48	5.54E-09	1.01E-08	5.54E-10	1.62E-08	8.58E-10	1.65E-09	8.31E-11	2.60E-09	8.35E-10	1.42E-09	1.05E-10	2.36E-09	4.74E-10	7.85E-10	2.60E-11	1.29E-09
5756	741649.66	4113138.08	5.57E-09	1.01E-08	5.57E-10	1.63E-08	8.63E-10	1.66E-09	8.35E-11	2.61E-09	8.39E-10	1.43E-09	1.06E-10	2.38E-09	4.77E-10	7.89E-10	2.62E-11	1.29E-09
5757	741626.04	4113142.68	5.59E-09	1.02E-08	5.60E-10	1.63E-08	8.67E-10	1.67E-09	8.40E-11	2.62E-09	8.44E-10	1.44E-09	1.07E-10	2.39E-09	4.79E-10	7.93E-10	2.63E-11	1.30E-09
5758	741602.43	4113147.29	5.63E-09	1.03E-08	5.63E-10	1.64E-08	8.72E-10	1.68E-09	8.44E-11	2.64E-09	8.48E-10	1.45E-09	1.07E-10	2.40E-09	4.82E-10	7.98E-10	2.64E-11	1.31E-09
5759	741578.82	4113151.89	5.66E-09	1.03E-08	5.66E-10	1.65E-08	8.78E-10	1.69E-09	8.49E-11	2.65E-09	8.53E-10	1.45E-09	1.08E-10	2.42E-09	4.85E-10	8.02E-10	2.66E-11	1.31E-09
5760	741555.21	4113156.49	5.69E-09	1.04E-08	5.70E-10	1.66E-08	8.83E-10	1.70E-09	8.54E-11	2.67E-09	8.59E-10	1.46E-09	1.08E-10	2.43E-09	4.88E-10	8.07E-10	2.68E-11	1.32E-09
5761	741531.59	4113161.09	5.73E-09	1.04E-08	5.73E-10	1.67E-08	8.89E-10	1.71E-09	8.60E-11	2.69E-09	8.64E-10	1.47E-09	1.09E-10	2.45E-09	4.91E-10	8.12E-10	2.69E-11	1.33E-09
5762	741507.98	4113165.69	5.77E-09	1.05E-08	5.77E-10	1.69E-08	8.94E-10	1.72E-09	8.66E-11	2.70E-09	8.70E-10	1.48E-09	1.10E-10	2.46E-09	4.94E-10	8.18E-10	2.71E-11	1.34E-09
5763	741484.37	4113170.3	5.81E-09	1.06E-08	5.81E-10	1.70E-08	9.00E-10	1.73E-09	8.71E-11	2.72E-09	8.76E-10	1.49E-09	1.11E-10	2.48E-09	4.98E-10	8.23E-10	2.73E-11	1.35E-09
5764	741460.76	4113174.9	5.84E-09	1.06E-08	5.84E-10	1.71E-08	9.06E-10	1.74E-09	8.77E-11	2.74E-09	8.81E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.28E-10	2.74E-11	1.36E-09
5765	741437.15	4113179.5	5.87E-09	1.07E-08	5.88E-10	1.72E-08	9.11E-10	1.75E-09	8.81E-11	2.75E-09	8.86E-10	1.51E-09	1.12E-10	2.51E-09	5.03E-10	8.33E-10	2.76E-11	1.36E-09
5766	741413.53	4113184.1	5.90E-09	1.08E-08	5.90E-10	1.72E-08	9.15E-10	1.76E-09	8.85E-11	2.77E-09	8.90E-10	1.52E-09	1.12E-10	2.52E-09	5.05E-10	8.36E-10	2.77E-11	1.37E-09
5767	741389.92	4113188.7	5.92E-09	1.08E-08	5.92E-10	1.73E-08	9.18E-10	1.77E-09	8.88E-11	2.77E-09	8.93E-10	1.52E-09	1.13E-10	2.53E-09	5.07E-10	8.39E-10	2.78E-11	1.37E-09
5768	741366.31	4113193.3	5.93E-09	1.08E-08	5.94E-10	1.73E-08	9.20E-10	1.77E-09	8.90E-11	2.78E-09	8.95E-10	1.52E-09	1.13E-10	2.53E-09	5.08E-10	8.41E-10	2.79E-11	1.38E-09
5769	741342.7	4113197.91	5.94E-09	1.08E-08	5.94E-10	1.74E-08	9.21E-10	1.77E-09	8.92E-11	2.79E-09	8.96E-10	1.53E-09	1.13E-10	2.54E-09	5.09E-10	8.42E-10	2.79E-11	1.38E-09
5770	741319.08	4113202.51	5.94E-09	1.08E-08	5.94E-10	1.74E-08	9.21E-10	1.77E-09	8.91E-11	2.78E-09	8.95E-10	1.53E-09	1.13E-10	2.54E-09	5.09E-10	8.42E-10	2.79E-11	1.38E-09
5771	741275.68	4113193.44	5.96E-09	1.09E-08	5.96E-10	1.74E-08	9.24E-10	1.78E-09	8.94E-11	2.79E-09	8.98E-10	1.53E-09	1.14E-10	2.54E-09	5.11E-10	8.45E-10	2.80E-11	1.38E-09
5772	741255.88	4113179.77	5.98E-09	1.09E-08	5.99E-10	1.75E-08	9.28E-10	1.79E-09	8.98E-11	2.80E-09	9.02E-10	1.54E-09	1.14E-10	2.55E-09	5.13E-10	8.48E-10	2.81E-11	1.39E-09
5773	741236.09	4113166.09	6.00E-09	1.09E-08	6.00E-10	1.75E-08	9.30E-10	1.79E-09	9.00E-11	2.81E-09	9.05E-10	1.54E-09	1.14E-10	2.56E-09	5.14E-10	8.51E-10	2.82E-11	1.39E-09
5774	741216.3	4113152.42	6.02E-09	1.10E-08	6.02E-10	1.76E-08	9.33E-10	1.80E-09	9.03E-11	2.82E-09	9.07E-10	1.55E-09	1.15E-10	2.57E-09	5.16E-10	8.53E-10	2.83E-11	1.40E-09
5775	741196.5	4113138.75	6.03E-09	1.10E-08	6.03E-10	1.76E-08	9.35E-10	1.80E-09	9.05E-11	2.83E-09	9.09E-10	1.55E-09	1.15E-10	2.57E-09	5.17E-10	8.55E-10	2.83E-11	1.40E-09
5776	741176.71	4113125.08	6.04E-09	1.10E-08	6.05E-10	1.77E-08	9.37E-10	1.81E-09	9.07E-11	2.83E-09	9.11E-10	1.55E-09	1.15E-10	2.58E-09	5.18E-10	8.57E-10	2.84E-11	1.40E-09
5777	741156.91	4113111.41	6.06E-09	1.10E-08	6.06E-10	1.77E-08	9.40E-10	1.81E-09	9.09E-11	2.84E-09	9.14E-10	1.56E-09	1.15E-10	2.59E-09	5.19E-10	8.59E-10	2.85E-11	1.41E-09
5778	741137.12	4113097.73	6.08E-09	1.11E-08	6.08E-10	1.78E-08	9.43E-10	1.82E-09	9.13E-11	2.85E-09	9.17E-10	1.56E-09	1.16E-10	2.60E-09	5.21E-10	8.62E-10	2.86E-11	1.41E-09
5779	741117.33	4113084.06	6.11E-09	1.11E-08	6.11E-10	1.79E-08	9.47E-10	1.83E-09	9.17E-11	2.86E-09	9.21E-10	1.57E-09	1.16E-10	2.61E-09	5.24E-10	8.66E-10	2.87E-11	1.42E-09
5780	741097.53	4113070.39	6.14E-09	1.12E-08	6.14E-10	1.79E-08	9.52E-10	1.83E-09	9.21E-11	2.88E-09	9.26E-10	1.58E-09	1.17E-10	2.62E-09	5.26E-10	8.71E-10	2.89E-11	1.43E-09
5781	741077.74	4113056.72	6.18E-09	1.13E-08	6.18E-10	1.80E-08	9.58E-10	1.85E-09	9.27E-11	2.90E-09	9.31E-10	1.59E-09	1.18E-10	2.64E-09	5.29E-10	8.76E-10	2.90E-11	1.43E-09

5782	741057.94	4113043.05	6.22E-09	1.13E-08	6.22E-10	1.82E-08	9.65E-10	1.86E-09	9.34E-11	2.92E-09	9.38E-10	1.60E-09	1.19E-10	2.66E-09	5.33E-10	8.82E-10	2.92E-11	1.44E-09
5783	741038.15	4113029.38	6.27E-09	1.14E-08	6.27E-10	1.83E-08	9.72E-10	1.87E-09	9.41E-11	2.94E-09	9.45E-10	1.61E-09	1.19E-10	2.68E-09	5.37E-10	8.89E-10	2.95E-11	1.46E-09
5784	741018.36	4113015.7	6.32E-09	1.15E-08	6.32E-10	1.85E-08	9.80E-10	1.89E-09	9.48E-11	2.96E-09	9.53E-10	1.62E-09	1.20E-10	2.70E-09	5.42E-10	8.96E-10	2.97E-11	1.47E-09
5785	740998.56	4113002.03	6.38E-09	1.16E-08	6.38E-10	1.86E-08	9.89E-10	1.90E-09	9.57E-11	2.99E-09	9.61E-10	1.64E-09	1.22E-10	2.72E-09	5.46E-10	9.04E-10	3.00E-11	1.48E-09
5786	740978.77	4112988.36	6.43E-09	1.17E-08	6.44E-10	1.88E-08	9.98E-10	1.92E-09	9.66E-11	3.02E-09	9.70E-10	1.65E-09	1.23E-10	2.75E-09	5.51E-10	9.12E-10	3.02E-11	1.49E-09
5787	740958.98	4112974.69	6.50E-09	1.18E-08	6.50E-10	1.90E-08	1.01E-09	1.94E-09	9.75E-11	3.05E-09	9.79E-10	1.67E-09	1.24E-10	2.77E-09	5.57E-10	9.21E-10	3.05E-11	1.51E-09
5788	740939.18	4112961.02	6.55E-09	1.19E-08	6.56E-10	1.91E-08	1.02E-09	1.96E-09	9.83E-11	3.07E-09	9.88E-10	1.68E-09	1.25E-10	2.80E-09	5.61E-10	9.29E-10	3.08E-11	1.52E-09
5789	740919.39	4112947.34	6.60E-09	1.20E-08	6.61E-10	1.93E-08	1.02E-09	1.97E-09	9.91E-11	3.10E-09	9.96E-10	1.70E-09	1.26E-10	2.82E-09	5.66E-10	9.36E-10	3.10E-11	1.53E-09
5790	740899.59	4112933.67	6.65E-09	1.21E-08	6.66E-10	1.94E-08	1.03E-09	1.99E-09	9.98E-11	3.12E-09	1.00E-09	1.71E-09	1.27E-10	2.84E-09	5.70E-10	9.43E-10	3.13E-11	1.54E-09
5791	740879.8	4112920	6.69E-09	1.22E-08	6.70E-10	1.96E-08	1.04E-09	2.00E-09	1.00E-10	3.14E-09	1.01E-09	1.72E-09	1.28E-10	2.86E-09	5.74E-10	9.49E-10	3.15E-11	1.55E-09
5792	740860.01	4112906.33	6.73E-09	1.23E-08	6.74E-10	1.97E-08	1.04E-09	2.01E-09	1.01E-10	3.16E-09	1.02E-09	1.73E-09	1.28E-10	2.87E-09	5.77E-10	9.54E-10	3.16E-11	1.56E-09
5793	740840.21	4112892.66	6.76E-09	1.23E-08	6.76E-10	1.97E-08	1.05E-09	2.02E-09	1.01E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.88E-09	5.79E-10	9.58E-10	3.18E-11	1.57E-09
5794	740820.42	4112878.98	6.78E-09	1.23E-08	6.78E-10	1.98E-08	1.05E-09	2.02E-09	1.02E-10	3.18E-09	1.02E-09	1.74E-09	1.29E-10	2.89E-09	5.81E-10	9.61E-10	3.18E-11	1.57E-09
5795	740800.62	4112865.31	6.78E-09	1.24E-08	6.79E-10	1.98E-08	1.05E-09	2.03E-09	1.02E-10	3.18E-09	1.02E-09	1.74E-09	1.29E-10	2.90E-09	5.81E-10	9.62E-10	3.19E-11	1.57E-09
5796	740780.83	4112851.64	6.78E-09	1.24E-08	6.79E-10	1.98E-08	1.05E-09	2.03E-09	1.02E-10	3.18E-09	1.02E-09	1.74E-09	1.29E-10	2.90E-09	5.81E-10	9.62E-10	3.19E-11	1.57E-09
5797	740761.04	4112837.97	6.77E-09	1.23E-08	6.78E-10	1.98E-08	1.05E-09	2.02E-09	1.02E-10	3.18E-09	1.02E-09	1.74E-09	1.29E-10	2.89E-09	5.80E-10	9.60E-10	3.18E-11	1.57E-09
5798	740741.24	4112824.3	6.75E-09	1.23E-08	6.75E-10	1.97E-08	1.05E-09	2.02E-09	1.01E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.88E-09	5.78E-10	9.57E-10	3.17E-11	1.57E-09
5799	740721.45	4112810.63	6.72E-09	1.22E-08	6.72E-10	1.96E-08	1.04E-09	2.01E-09	1.01E-10	3.15E-09	1.01E-09	1.73E-09	1.28E-10	2.87E-09	5.76E-10	9.53E-10	3.16E-11	1.56E-09
5800	740701.65	4112796.95	6.68E-09	1.22E-08	6.68E-10	1.95E-08	1.04E-09	2.00E-09	1.00E-10	3.13E-09	1.01E-09	1.72E-09	1.27E-10	2.85E-09	5.72E-10	9.47E-10	3.14E-11	1.55E-09
5801	740681.86	4112783.28	6.63E-09	1.21E-08	6.63E-10	1.94E-08	1.03E-09	1.98E-09	9.95E-11	3.11E-09	1.00E-09	1.70E-09	1.26E-10	2.83E-09	5.68E-10	9.40E-10	3.12E-11	1.54E-09
5802	740662.07	4112769.61	6.58E-09	1.20E-08	6.58E-10	1.92E-08	1.02E-09	1.96E-09	9.87E-11	3.08E-09	9.92E-10	1.69E-09	1.25E-10	2.81E-09	5.63E-10	9.32E-10	3.09E-11	1.53E-09
5803	740642.27	4112755.94	6.52E-09	1.19E-08	6.52E-10	1.90E-08	1.01E-09	1.95E-09	9.78E-11	3.06E-09	9.83E-10	1.68E-09	1.24E-10	2.78E-09	5.58E-10	9.24E-10	3.06E-11	1.51E-09
5804	740622.48	4112742.27	6.45E-09	1.18E-08	6.46E-10	1.89E-08	1.00E-09	1.93E-09	9.69E-11	3.03E-09	9.73E-10	1.66E-09	1.23E-10	2.76E-09	5.53E-10	9.15E-10	3.03E-11	1.50E-09
5805	740602.69	4112728.59	6.39E-09	1.16E-08	6.39E-10	1.87E-08	9.91E-10	1.91E-09	9.59E-11	3.00E-09	9.64E-10	1.64E-09	1.22E-10	2.73E-09	5.48E-10	9.06E-10	3.00E-11	1.48E-09
5806	740582.89	4112714.92	6.33E-09	1.15E-08	6.34E-10	1.85E-08	9.82E-10	1.89E-09	9.50E-11	2.97E-09	9.55E-10	1.63E-09	1.21E-10	2.70E-09	5.43E-10	8.98E-10	2.98E-11	1.47E-09
5807	740563.1	4112701.25	6.28E-09	1.14E-08	6.28E-10	1.83E-08	9.74E-10	1.88E-09	9.42E-11	2.94E-09	9.47E-10	1.61E-09	1.20E-10	2.68E-09	5.38E-10	8.90E-10	2.95E-11	1.46E-09
5808	740543.3	4112687.58	6.24E-09	1.14E-08	6.24E-10	1.82E-08	9.67E-10	1.86E-09	9.36E-11	2.92E-09	9.40E-10	1.60E-09	1.19E-10	2.66E-09	5.34E-10	8.84E-10	2.93E-11	1.45E-09
5809	740523.51	4112673.91	6.20E-09	1.13E-08	6.21E-10	1.81E-08	9.62E-10	1.85E-09	9.31E-11	2.91E-09	9.36E-10	1.60E-09	1.18E-10	2.65E-09	5.32E-10	8.80E-10	2.92E-11	1.44E-09
5810	740503.72	4112660.23	6.19E-09	1.13E-08	6.19E-10	1.81E-08	9.60E-10	1.85E-09	9.29E-11	2.90E-09	9.33E-10	1.59E-09	1.18E-10	2.64E-09	5.30E-10	8.78E-10	2.91E-11	1.44E-09
5811	740483.92	4112646.56	6.20E-09	1.13E-08	6.20E-10	1.81E-08	9.61E-10	1.85E-09	9.30E-11	2.91E-09	9.34E-10	1.59E-09	1.18E-10	2.65E-09	5.31E-10	8.79E-10	2.91E-11	1.44E-09
5812	740464.13	4112632.89	6.23E-09	1.13E-08	6.23E-10	1.82E-08	9.66E-10	1.86E-09	9.35E-11	2.92E-09	9.39E-10	1.60E-09	1.19E-10	2.66E-09	5.34E-10	8.83E-10	2.93E-11	1.45E-09
5813	740444.33	4112619.22	6.28E-09	1.14E-08	6.28E-10	1.83E-08	9.74E-10	1.88E-09	9.42E-11	2.94E-09	9.47E-10	1.61E-09	1.20E-10	2.68E-09	5.38E-10	8.90E-10	2.95E-11	1.46E-09
5814	740424.54	4112605.55	6.36E-09	1.16E-08	6.36E-10	1.86E-08	9.86E-10	1.90E-09	9.54E-11	2.98E-09	9.59E-10	1.63E-09	1.21E-10	2.71E-09	5.45E-10	9.01E-10	2.99E-11	1.48E-09
5815	740404.75	4112591.87	6.46E-09	1.18E-08	6.46E-10	1.89E-08	1.00E-09	1.93E-09	9.69E-11	3.03E-09	9.74E-10	1.66E-09	1.23E-10	2.76E-09	5.53E-10	9.15E-10	3.03E-11	1.50E-09
5816	740384.95	4112578.2	6.58E-09	1.20E-08	6.58E-10	1.92E-08	1.02E-09	1.97E-09	9.87E-11	3.08E-09	9.92E-10	1.69E-09	1.25E-10	2.81E-09	5.64E-10	9.33E-10	3.09E-11	1.53E-09
5817	740365.16	4112564.53	6.72E-09	1.22E-08	6.72E-10	1.96E-08	1.04E-09	2.01E-09	1.01E-10	3.15E-09	1.01E-09	1.73E-09	1.28E-10	2.87E-09	5.76E-10	9.53E-10	3.16E-11	1.56E-09
5818	740345.37	4112550.86	6.87E-09	1.25E-08	6.88E-10	2.01E-08	1.07E-09	2.05E-09	1.03E-10	3.22E-09	1.04E-09	1.77E-09	1.31E-10	2.93E-09	5.89E-10	9.74E-10	3.23E-11	1.60E-09
5819	740325.57	4112537.19	7.04E-09	1.28E-08	7.04E-10	2.06E-08	1.09E-09	2.10E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.00E-09	6.03E-10	9.98E-10	3.31E-11	1.63E-09
5820	740305.78	4112523.52	7.21E-09	1.31E-08	7.21E-10	2.11E-08	1.12E-09	2.15E-09	1.08E-10	3.38E-09	1.09E-09	1.85E-09	1.37E-10	3.08E-09	6.18E-10	1.02E-09	3.39E-11	1.67E-09
5821	740285.98	4112509.84	7.38E-09	1.34E-08	7.38E-10	2.16E-08	1.14E-09	2.20E-09	1.11E-10	3.46E-09	1.11E-09	1.90E-09	1.41E-10	3.15E-09	6.32E-10	1.05E-09	3.47E-11	1.71E-09
5822	740266.19	4112496.17	7.54E-09	1.37E-08	7.54E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.14E-09	1.94E-09	1.44E-10	3.22E-09	6.46E-10	1.07E-09	3.54E-11	1.75E-09
5823	740246.4	4112482.5	7.69E-09	1.40E-08	7.70E-10	2.25E-08	1.19E-09	2.30E-09	1.15E-10	3.61E-09	1.16E-09	1.98E-09	1.47E-10	3.28E-09	6.59E-10	1.09E-09	3.61E-11	1.79E-09
5824	740226.6	4112468.83	7.82E-09	1.43E-08	7.83E-10	2.29E-08	1.21E-09	2.34E-09	1.17E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.70E-10	1.11E-09	3.68E-11	1.82E-09
5825	740206.81	4112455.16	7.93E-09	1.45E-08	7.94E-10	2.32E-08	1.23E-09	2.37E-09	1.19E-10	3.72E-09	1.20E-09	2.04E-09	1.51E-10	3.39E-09	6.80E-10	1.13E-09	3.73E-11	1.84E-09
5826	740187.01	4112441.48	8.03E-09	1.46E-08	8.03E-10	2.35E-08	1.24E-09	2.40E-09	1.20E-10	3.76E-09	1.21E-09	2.06E-09	1.53E-10	3.43E-09	6.88E-10	1.14E-09	3.77E-11	1.86E-09
5827	740167.22	4112427.81	8.10E-09	1.48E-08	8.10E-10	2.37E-08	1.26E-09	2.42E-09	1.22E-10	3.80E-09	1.22E-09	2.08E-09	1.54E-10	3.46E-09	6.94E-10	1.15E-09	3.81E-11	1.88E-09
5828	740147.43	4112414.14	8.14E-09	1.48E-08	8.15E-10	2.38E-08	1.26E-09	2.43E-09	1.22E-10	3.82E-09	1.23E-09	2.09E-09	1.55E-10	3.48E-09	6.98E-10	1.15E-09	3.83E-11	1.89E-09
5829	740127.63	4112400.47	8.17E-09	1.49E-08	8.18E-10	2.39E-08	1.27E-09	2.44E-09	1.23E-10	3.83E-09	1.23E-09	2.10E-09	1.56E-10	3.49E-09	7.00E-10	1.16E-09	3.84E-11	1.90E-09
5830	740107.84	4112386.8	8.19E-09	1.49E-08	8.19E-10	2.39E-08	1.27E-09	2.45E-09	1.23E-10	3.84E-09	1.23E-09	2.10E-09	1.56E-10	3.50E-09	7.02E-10	1.16E-09	3.85E-11	1.90E-09
5831	740088.04	4112373.12	8.19E-09	1.49E-08	8.19E-10	2.39E-08	1.27E-09	2.45E-09	1.23E-10	3.84E-09	1.23E-09	2.10E-09	1.56E-10	3.50E-09	7.02E-10	1.16E-09	3.85E-11	1.90E-09
5832	740068.25	4112359.45	8.18E-09	1.49E-08	8.18E-10	2.39E-08	1.27E-09	2.44E-09	1.23E-10	3.83E-09	1.23E-09	2.10E-09	1.56E-10	3.49E-09	7.01E-10	1.16E-09	3.84E-11	1.90E-09
5833	740048.46	4112345.78	8.17E-09	1.49E-08	8.17E-10	2.39E-08	1.27E-09	2.44E-09	1.23E-10	3.83E-09	1.23E-09	2.10E-09	1.56E-10	3.49E-09	7.00E-10	1.16E-09	3.84E-11	1.90E-09
5834	740028.66	4112332.11	8.16E-09	1.49E-08	8.16E-10	2.38E-08	1.26E-09	2.44E-09	1.22E-10	3.82E-09	1.23E-09	2.10E-09	1.55E-10	3.48E-09	6.99E-10	1.16E-09	3.83E-11	1.89E-09
5835	740008.87	4112318.44	8.15E-09	1.48E-08	8.15E-10	2.38E-08	1.26E-09	2.43E-09	1.22E-10	3.82E-09	1.23E-09	2.09E-09	1.55E-10	3.48E-09	6.98E-10	1.16E-09	3.83E-11	1.89E-09
5836	739989.08	4112304.77	8.15E-09	1.49E-08	8.16E-10	2.38E-08	1.26E-09	2.44E-09	1.22E-10	3.82E-09	1.23E-09	2.10E-09	1.55E-10	3.48E-09	6.98E-10	1.16E-09	3.83E-11	1.89E-09
5837	739969.28	4112291.09	8.16E-09	1.49E-08	8.17E-10	2.39E-08	1.27E-09	2.44E-09	1.22E-10	3.83E-09	1.23E-09	2.10E-09	1.56E-10	3.48E-09	6.99E-10	1.16E-09	3.84E-11	1.89E-09
5838	739949.49	4112277.42	8.19E-09	1.49E-08	8.19E-10	2.39E-08	1.27E-09	2.45E-09	1.23E-10	3.84E-09	1.23E-09	2.10E-09	1.56E-10	3.50E-09	7.02E-10	1.16E-09	3.85E-11	1.90E-09
5839	739929.69	4112263.75	8.23E-09	1.50E-08	8.23E-10	2.40E-08	1.28E-09	2.46E-09	1.24E-10	3.86E-09	1.24E-09	2.12E-09	1.57E-10	3.51E-09	7.05E-10	1.17E-09	3.87E-11	1.91E-09
5840	739909.9	4112250.08	8.29E-09	1.51E-08	8.29E-10	2.42E-08	1.28E-09	2.48E-09	1.24E-10	3.88E-09	1.25E-09	2.13E-09	1.58E-10	3.54E-09	7.10E-10	1.17E-09	3.89E-11	1.92E-09
5841	739890.11	4112236.41	8.36E-09	1.52E-08	8.37E-10	2.44E-08	1.30E-09	2.50E-09	1.25E-10	3.92E-09	1.26E-09	2.15E-09	1.59E-10	3.57E-09	7.16E-10	1.19E-09	3.93E-11	1.94E-09
5842	739870.31	4112222.73	8.45E-09	1.54E-08	8.46E-10	2.47E-08	1.31E-09	2.53E-09	1.27E-10	3.96E-09	1.27E-09	2.17E-09	1.61E-10	3.61E-09	7.24E-10	1.20E-09	3.97E-11	1.96E-09
5843	739850.52	4112209.06	8.56E-09	1.56E-08	8.56E-10	2.50E-08	1.33E-09	2.56E-09	1.28E-10	4.01E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.33E-10	1.21E-09	4.02E-11	1.99E-09
5844	739830.72	4112195.39	8.68E-09	1.58E-08	8.68E-10	2.54E-08	1.35E-09	2.59E-09	1.30E-10	4.07E-09	1.31E-09	2.23E-09	1.65E-10	3.70E-09	7.44E-10	1.23E-09	4.08E-11	2.01E-09
5845	739810.93	4112181.72	8.81E-09	1.61E-08	8.82E-10	2.58E-08	1.37E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.27E-09	1.68E-10	3.76E-09	7.55E-10	1.25E-09	4.14E-11	2.05E-09
5846	739791.14	4112168.05	8.95E-09	1.63E-08	8.96E-10	2.62E-08	1.39E-09	2.67E-09	1.34E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.82E-09	7.67E-10	1.27E-09	4.21E-11	2.08E-09
5847	739771.34	4112154.37	9.10E-09	1.66E-08	9.11E-10	2.66E-08	1.41E-09	2.72E-09	1.37E-10	4.27E-09	1.37E-09	2.34E-09	1.73E-10	3.89E-09	7.80E-10	1.29E-09	4.28E-11	2.11E-09
5848	739751.55	4112140.7	9.26E-09	1.69E-08	9.26E-10	2.71E-08	1.44E-09	2.77E-09	1.39E-10	4.34E-09	1.40E-09	2.38E-09	1.76E-10	3.95E-09	7.93E-10	1.31E-09	4.35E-11	2.15E-09
5849	739731.76	4112127.03	9.41E-09	1.71E-08	9.41E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.06E-10	1.33E-09	4.42E-11	2.18E-09
5850	739711.96	4112113.36	9.54E-09	1.74E-08	9.55E-10	2.79E-08	1.48E-09	2.85E-09	1.43E-10	4.47E-09	1.44E-09	2.45E-09	1.82E-10	4.07E-09	8.18E-10	1.35E-09	4.48E-11	2.22E-09
5851	739692.17	4112099.69	9.67E-09	1.76E-08	9.67E-10	2.83E-08	1.50E-09	2.89E-09	1.45E-10	4.53E-09	1.46E-09	2.49E-09	1.84E-10	4.13E-09	8.28E-10	1.37E-09	4.54E-11	2.24E-09
5852	739672.37	4112086.02	9.79E-09	1.78E-08	9.79E-10	2.86E-08	1.52E-09	2.92E-09	1.47E-10	4.59E-09	1.48E-09	2.52E-09	1.86E-10	4.18E-09	8.38E-10	1.39E-09	4.60E-11	2.27E-09
5853	739652.58	4112072.34	9.88E-09	1.80E-08	9.89E-10	2.89E-08	1.53E-09	2.95E-09	1.48E-10	4.63E-09	1.49E-09	2.54E-09	1.88E-10	4.22E-09	8.47E-10	1.40E-09	4.64E-11	2.29E-09
5854	739632.79	4112058.67	9.97E-09	1.82E-08	9.98E-10	2.91E-08	1.55E-09	2.98E-09	1.50E-10	4.67E-09	1.50E-09	2.56E-09	1.90E-10	4.26E-09	8.54E-10	1.41E-09	4.69E-11	2.31E-09
5855	739612.99	4112045	1.00E-08	1.83E-08	1.00E-09	2.93E-08	1.56E-09	3.00E-09	1.51E-10	4.71E-09	1.51E-09	2.58E-09	1.91E-10	4.29E-09	8.61E-10	1.42E-09	4.72E-11	2.33E-09
5856	739593.2	4112031.33	1.01E-08	1.84E-08	1.01E-09	2.95E-08	1.57E-09	3.02E-09	1.52E-10	4.74E-09	1.52E-09	2.60E-09	1.93E-10	4.31E-09	8.66E-10	1.43E-09	4.75E-11	2.35E-09
5857	739573.4	4112017.66	1.02E-08	1.85E-08	1.02E-09	2.97E-08	1.57E-09	3.03E-09	1.52E-10	4.76E-09	1.53E-09	2.61E-09	1.93E-10	4.33E-09	8.70E-10	1.44E-09	4.77E-11	2.36E-09
5858	739553.61	4112003.98	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.78E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.74E-10	1.45E-09	4.79E-11	2.37E-09
5859	739533.82	4111990.31	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.59E-09	3.06E-09	1.54E-10	4.80E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.77E-10	1.45E-09	4.81E-11	2.38E-09
5860	739514.02	4111976.64	1.03E-08	1.87E-08	1.03E-09	3.00E-08	1.59E-09	3.07E-09	1.54E-10	4.81E-09	1.55E-09	2.64E-09	1.96E-10	4.38E-09	8.79E-10	1.45E-09	4.82E-11	2.38E-09
5861	739494.23	4111962.97	1.03E-08	1.87E-08	1.03E-09	3.00E-08	1.59E-09	3.07E-09	1.54E-10	4.82E-09	1.55E-09	2.64E-09	1.96E-10	4.39E-09	8.81E-10	1.46E-09	4.83E-11	2.39E-09
5862	739474.43	4111949.3	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.39E-09	8.82E-10	1.46E-09	4.84E-11	2.39E-09
5863	739454.64	4111935.62	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.40E-09	8.83E-10	1.46E-09	4.84E-11	2.39E-09
5864	739434.85	4111921.95	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.40E-09	8.83E-10	1.46E-09	4.84E-11	2.39E-09
5865	739415.05	4111908.28	1.03E-08	1.88E-08	1.03E-09	3.01E-08	1.60E-09	3.08E-09	1.55E-10	4.83E-09	1.55E-09	2.65E-09	1.96E-10	4.40E-09	8.83E-10	1.46E-09	4.84E-11	2.39E-09
5866	739395.26	4111894.61	1.03E-08	1.87E-08	1.03E-09	3.01E-08	1.60E-09	3.07E-09	1.54E-10	4.82E-09	1.55E-09	2.64E-09	1.96E-10	4.39E-09	8.82E-10	1.46E-09	4.83E-11	2.39E-09
5867	739375.47	4111880.94	1.03E-08	1.87E-08	1.03E-09	3.00E-08	1.59E-09	3.07E-09	1.54E-10	4.81E-09	1.55E-09	2.64E-09	1.96E-10	4.38E-09	8.80E-10	1.46E-09	4.82E-11	2.38E-09
5868	739355.67	4111867.27	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.59E-09	3.06E-09	1.54E-10	4.80E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.77E-10	1.45E-09	4.81E-11	2.38E-09
5869	739335.88	4111853.59	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.78E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.73E-10	1.45E-09	4.79E-11	2.37E-09
5870	743656.7	4112746.93	3.00E-09	5.47E-09	3.00E-10	8.77E-09	4.65E-10	8.97E-10	4.51E-11	1.41E-09	4.53E-10	7.72E-10	5.72E-11	1.28E-09	2.57E-10	4.26E-10	1.41E-11	6.97E-10

5871	743676.81	4112733.44	2.95E-09	5.38E-09	2.96E-10	8.63E-09	4.58E-10	8.83E-10	4.43E-11	1.38E-09	4.45E-10	7.59E-10	5.63E-11	1.26E-09	2.53E-10	4.19E-10	1.39E-11	6.86E-10
5872	743696.92	4112719.95	2.90E-09	5.29E-09	2.91E-10	8.49E-09	4.50E-10	8.68E-10	4.36E-11	1.36E-09	4.38E-10	7.47E-10	5.53E-11	1.24E-09	2.49E-10	4.12E-10	1.36E-11	6.74E-10
5873	743717.03	4112706.46	2.87E-09	5.22E-09	2.87E-10	8.37E-09	4.44E-10	8.56E-10	4.30E-11	1.34E-09	4.32E-10	7.37E-10	5.46E-11	1.22E-09	2.46E-10	4.06E-10	1.35E-11	6.65E-10
5874	743737.14	4112692.97	2.82E-09	5.13E-09	2.82E-10	8.23E-09	4.37E-10	8.42E-10	4.23E-11	1.32E-09	4.25E-10	7.24E-10	5.37E-11	1.20E-09	2.41E-10	3.99E-10	1.32E-11	6.54E-10
5875	743757.25	4112679.47	2.73E-09	4.98E-09	2.73E-10	7.99E-09	4.24E-10	8.16E-10	4.10E-11	1.28E-09	4.12E-10	7.03E-10	5.21E-11	1.17E-09	2.34E-10	3.87E-10	1.28E-11	6.35E-10
5876	743777.36	4112665.98	2.68E-09	4.89E-09	2.68E-10	7.83E-09	4.16E-10	8.01E-10	4.02E-11	1.26E-09	4.04E-10	6.89E-10	5.11E-11	1.14E-09	2.30E-10	3.80E-10	1.26E-11	6.22E-10
5877	743797.47	4112652.49	2.63E-09	4.79E-09	2.63E-10	7.69E-09	4.08E-10	7.86E-10	3.95E-11	1.23E-09	3.97E-10	6.76E-10	5.01E-11	1.12E-09	2.25E-10	3.73E-10	1.24E-11	6.11E-10
5878	743817.58	4112639	2.59E-09	4.72E-09	2.59E-10	7.56E-09	4.01E-10	7.73E-10	3.88E-11	1.21E-09	3.90E-10	6.65E-10	4.93E-11	1.10E-09	2.22E-10	3.67E-10	1.22E-11	6.01E-10
5879	743837.69	4112625.5	2.56E-09	4.66E-09	2.56E-10	7.47E-09	3.97E-10	7.64E-10	3.84E-11	1.20E-09	3.86E-10	6.57E-10	4.87E-11	1.09E-09	2.19E-10	3.63E-10	1.20E-11	5.94E-10
5880	743857.8	4112612.01	2.54E-09	4.62E-09	2.54E-10	7.42E-09	3.94E-10	7.58E-10	3.81E-11	1.19E-09	3.83E-10	6.52E-10	4.84E-11	1.08E-09	2.17E-10	3.60E-10	1.19E-11	5.89E-10
5881	743877.91	4112598.52	2.53E-09	4.61E-09	2.53E-10	7.40E-09	3.93E-10	7.56E-10	3.80E-11	1.19E-09	3.82E-10	6.51E-10	4.82E-11	1.08E-09	2.17E-10	3.59E-10	1.19E-11	5.88E-10
5882	743898.02	4112585.03	2.54E-09	4.63E-09	2.54E-10	7.43E-09	3.94E-10	7.59E-10	3.82E-11	1.19E-09	3.83E-10	6.54E-10	4.84E-11	1.09E-09	2.18E-10	3.60E-10	1.19E-11	5.90E-10
5883	743918.13	4112571.53	2.57E-09	4.68E-09	2.57E-10	7.50E-09	3.98E-10	7.67E-10	3.85E-11	1.20E-09	3.87E-10	6.60E-10	4.89E-11	1.10E-09	2.20E-10	3.64E-10	1.21E-11	5.96E-10

			T2		587	T2L3			T4I			T4F		
			583	743202.46	4110979.28									
			6.38E-05	1.16E-04	6.38E-06	9.90E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	742157.6	4109901.96	1.60E-02	2.91E-02	1.60E-03	2.47E-03	4.77E-03	2.40E-04	2.41E-03	4.10E-03	3.04E-04	1.37E-03	2.26E-03	7.50E-05
2	742144.05	4109881.59	1.33E-02	2.42E-02	1.33E-03	2.06E-03	3.96E-03	1.99E-04	2.00E-03	3.41E-03	2.53E-04	1.14E-03	1.88E-03	6.23E-05
3	742130.5	4109861.23	1.14E-02	2.08E-02	1.14E-03	1.77E-03	3.41E-03	1.71E-04	1.72E-03	2.93E-03	2.18E-04	9.78E-04	1.62E-03	5.37E-05
4	742116.95	4109840.87	9.29E-03	1.69E-02	9.29E-04	1.44E-03	2.77E-03	1.39E-04	1.40E-03	2.39E-03	1.77E-04	7.96E-04	1.32E-03	4.36E-05
5	742236.31	4109988.28	8.90E-03	1.62E-02	8.90E-04	1.38E-03	2.66E-03	1.34E-04	1.34E-03	2.29E-03	1.70E-04	7.63E-04	1.26E-03	4.18E-05
6	742229.43	4110022.89	5.45E-03	9.93E-03	5.45E-04	8.45E-04	1.63E-03	8.18E-05	8.22E-04	1.40E-03	1.04E-04	4.67E-04	7.73E-04	2.56E-05
7	742178.41	4109888.11	1.33E-02	2.43E-02	1.33E-03	2.07E-03	3.99E-03	2.00E-04	2.01E-03	3.43E-03	2.54E-04	1.14E-03	1.89E-03	6.27E-05
8	742164.86	4109867.74	1.05E-02	1.91E-02	1.05E-03	1.62E-03	3.13E-03	1.57E-04	1.58E-03	2.69E-03	2.00E-04	8.97E-04	1.48E-03	4.92E-05
9	742151.31	4109847.38	8.78E-03	1.60E-02	8.78E-04	1.36E-03	2.62E-03	1.32E-04	1.32E-03	2.26E-03	1.67E-04	7.52E-04	1.24E-03	4.12E-05
10	742137.77	4109827.02	7.14E-03	1.30E-02	7.15E-04	1.11E-03	2.13E-03	1.07E-04	1.08E-03	1.84E-03	1.36E-04	6.12E-04	1.01E-03	3.36E-05
11	742257.13	4109974.43	8.64E-03	1.57E-02	8.64E-04	1.34E-03	2.58E-03	1.30E-04	1.30E-03	2.22E-03	1.65E-04	7.40E-04	1.22E-03	4.06E-05
12	742253.95	4110027.77	4.04E-03	7.37E-03	4.05E-04	6.27E-04	1.21E-03	6.07E-05	6.10E-04	1.04E-03	7.71E-05	3.46E-04	5.73E-04	1.90E-05
13	742199.22	4109874.26	1.14E-02	2.07E-02	1.14E-03	1.77E-03	3.40E-03	1.71E-04	1.72E-03	2.93E-03	2.17E-04	9.75E-04	1.61E-03	5.35E-05
14	742185.68	4109853.9	8.58E-03	1.56E-02	8.59E-04	1.33E-03	2.56E-03	1.29E-04	1.29E-03	2.21E-03	1.64E-04	7.35E-04	1.22E-03	4.03E-05
15	742172.13	4109833.53	7.09E-03	1.29E-02	7.09E-04	1.10E-03	2.12E-03	1.06E-04	1.07E-03	1.82E-03	1.35E-04	6.07E-04	1.01E-03	3.33E-05
16	742158.58	4109813.17	5.81E-03	1.06E-02	5.81E-04	9.01E-04	1.74E-03	8.72E-05	8.76E-04	1.49E-03	1.11E-04	4.98E-04	8.23E-04	2.73E-05
17	742277.94	4109960.58	8.21E-03	1.50E-02	8.21E-04	1.27E-03	2.45E-03	1.23E-04	1.24E-03	2.11E-03	1.56E-04	7.03E-04	1.16E-03	3.86E-05
18	742285.35	4109998.03	4.23E-03	7.71E-03	4.23E-04	6.56E-04	1.26E-03	6.35E-05	6.38E-04	1.09E-03	8.07E-05	3.63E-04	6.00E-04	1.99E-05
19	742278.47	4110032.64	3.11E-03	5.66E-03	3.11E-04	4.82E-04	9.28E-04	4.66E-05	4.68E-04	7.98E-04	5.92E-05	2.66E-04	4.40E-04	1.46E-05
20	742257.29	4110064.41	2.69E-03	4.91E-03	2.69E-04	4.18E-04	8.05E-04	4.04E-05	4.06E-04	6.92E-04	5.13E-05	2.31E-04	3.82E-04	1.27E-05
21	742220.04	4109860.41	9.68E-03	1.76E-02	9.69E-04	1.50E-03	2.89E-03	1.45E-04	1.46E-03	2.49E-03	1.84E-04	8.30E-04	1.37E-03	4.55E-05
22	742206.49	4109840.05	7.19E-03	1.31E-02	7.20E-04	1.12E-03	2.15E-03	1.08E-04	1.08E-03	1.85E-03	1.37E-04	6.16E-04	1.02E-03	3.38E-05
23	742192.94	4109819.68	5.93E-03	1.08E-02	5.93E-04	9.19E-04	1.77E-03	8.89E-05	8.93E-04	1.52E-03	1.13E-04	5.08E-04	8.40E-04	2.78E-05
24	742179.39	4109799.32	4.89E-03	8.92E-03	4.90E-04	7.59E-04	1.46E-03	7.35E-05	7.38E-04	1.26E-03	9.33E-05	4.19E-04	6.94E-04	2.30E-05
25	742320.31	4109936.63	6.32E-03	1.15E-02	6.32E-04	9.80E-04	1.89E-03	9.48E-05	9.53E-04	1.62E-03	1.20E-04	5.41E-04	8.96E-04	2.97E-05
26	742324.75	4109959.1	4.39E-03	7.99E-03	4.39E-04	6.80E-04	1.31E-03	6.58E-05	6.61E-04	1.13E-03	8.36E-05	3.76E-04	6.22E-04	2.06E-05
27	742329.2	4109981.57	3.29E-03	6.00E-03	3.29E-04	5.11E-04	9.84E-04	4.94E-05	4.97E-04	8.46E-04	6.27E-05	2.82E-04	4.67E-04	1.55E-05
28	742333.65	4110004.04	2.60E-03	4.73E-03	2.60E-04	4.03E-04	7.76E-04	3.90E-05	3.91E-04	6.67E-04	4.95E-05	2.22E-04	3.68E-04	1.22E-05
29	742325.39	4110045.57	1.99E-03	3.62E-03	1.99E-04	3.08E-04	5.94E-04	2.98E-05	3.00E-04	5.11E-04	3.79E-05	1.70E-04	2.82E-04	9.34E-06
30	742312.68	4110064.63	1.87E-03	3.40E-03	1.87E-04	2.90E-04	5.58E-04	2.80E-05	2.82E-04	4.80E-04	3.56E-05	1.60E-04	2.65E-04	8.78E-06
31	742299.97	4110083.69	1.75E-03	3.19E-03	1.75E-04	2.72E-04	5.23E-04	2.63E-05	2.64E-04	4.50E-04	3.34E-05	1.50E-04	2.48E-04	8.23E-06
32	742287.26	4110102.75	1.64E-03	2.99E-03	1.64E-04	2.55E-04	4.91E-04	2.47E-05	2.48E-04	4.23E-04	3.13E-05	1.41E-04	2.33E-04	7.72E-06
33	742319.5	4109887.29	1.15E-02	2.09E-02	1.15E-03	1.78E-03	3.43E-03	1.72E-04	1.73E-03	2.95E-03	2.19E-04	9.85E-04	1.63E-03	5.40E-05
34	742305.95	4109866.93	1.21E-02	2.21E-02	1.21E-03	1.88E-03	3.63E-03	1.82E-04	1.83E-03	3.12E-03	2.31E-04	1.04E-03	1.72E-03	5.70E-05
35	742285.44	4109848.89	1.07E-02	1.94E-02	1.07E-03	1.65E-03	3.19E-03	1.60E-04	1.61E-03	2.74E-03	2.03E-04	9.14E-04	1.51E-03	5.01E-05
36	742271.89	4109828.53	6.85E-03	1.25E-02	6.85E-04	1.06E-03	2.05E-03	1.03E-04	1.03E-03	1.76E-03	1.30E-04	5.87E-04	9.71E-04	3.22E-05
37	742258.34	4109808.16	5.14E-03	9.37E-03	5.15E-04	7.97E-04	1.54E-03	7.72E-05	7.75E-04	1.32E-03	9.80E-05	4.41E-04	7.29E-04	2.42E-05
38	742234.57	4109791.99	4.42E-03	8.05E-03	4.42E-04	6.85E-04	1.32E-03	6.63E-05	6.66E-04	1.14E-03	8.42E-05	3.79E-04	6.26E-04	2.08E-05
39	742221.02	4109771.62	3.70E-03	6.74E-03	3.70E-04	5.73E-04	1.10E-03	5.55E-05	5.57E-04	9.50E-04	7.04E-05	3.17E-04	5.24E-04	1.74E-05
40	742207.47	4109751.26	3.05E-03	5.55E-03	3.05E-04	4.72E-04	9.10E-04	4.57E-05	4.59E-04	7.83E-04	5.81E-05	2.61E-04	4.32E-04	1.43E-05
41	742361.72	4109907.86	4.69E-03	8.55E-03	4.70E-04	7.28E-04	1.40E-03	7.05E-05	7.08E-04	1.21E-03	8.95E-05	4.02E-04	6.66E-04	2.21E-05
42	742370.19	4109950.66	2.97E-03	5.40E-03	2.97E-04	4.60E-04	8.86E-04	4.45E-05	4.47E-04	7.62E-04	5.65E-05	2.54E-04	4.21E-04	1.39E-05
43	742378.67	4109993.47	2.03E-03	3.70E-03	2.03E-04	3.15E-04	6.07E-04	3.05E-05	3.06E-04	5.22E-04	3.87E-05	1.74E-04	2.88E-04	9.55E-06
44	742375.03	4110054.42	1.42E-03	2.59E-03	1.42E-04	2.20E-04	4.24E-04	2.13E-05	2.14E-04	3.65E-04	2.70E-05	1.22E-04	2.01E-04	6.67E-06
45	742350.82	4110090.73	1.29E-03	2.35E-03	1.29E-04	2.00E-04	3.85E-04	1.93E-05	1.94E-04	3.31E-04	2.45E-05	1.10E-04	1.83E-04	6.05E-06
46	742326.62	4110127.03	1.17E-03	2.13E-03	1.17E-04	1.81E-04	3.49E-04	1.75E-05	1.76E-04	3.00E-04	2.22E-05	1.00E-04	1.65E-04	5.48E-06
47	742343.94	4109866.09	7.20E-03	1.31E-02	7.20E-04	1.12E-03	2.15E-03	1.08E-04	1.09E-03	1.85E-03	1.37E-04	6.17E-04	1.02E-03	3.38E-05
48	742330.39	4109845.73	7.44E-03	1.36E-02	7.44E-04	1.15E-03	2.22E-03	1.12E-04	1.12E-03	1.91E-03	1.42E-04	6.37E-04	1.05E-03	3.50E-05
49	742316.84	4109825.37	6.46E-03	1.18E-02	6.46E-04	1.00E-03	1.93E-03	9.69E-05	9.74E-04	1.66E-03	1.23E-04	5.53E-04	9.16E-04	3.03E-05
50	742303.29	4109805.01	5.09E-03	9.28E-03	5.10E-04	7.90E-04	1.52E-03	7.64E-05	7.68E-04	1.31E-03	9.70E-05	4.36E-04	7.22E-04	2.39E-05
51	742289.74	4109784.65	4.10E-03	7.47E-03	4.10E-04	6.35E-04	1.22E-03	6.15E-05	6.18E-04	1.05E-03	7.81E-05	3.51E-04	5.81E-04	1.93E-05
52	742276.19	4109764.29	3.44E-03	6.27E-03	3.44E-04	5.33E-04	1.03E-03	5.16E-05	5.19E-04	8.84E-04	6.55E-05	2.95E-04	4.88E-04	1.62E-05
53	742262.64	4109743.93	2.92E-03	5.33E-03	2.93E-04	4.53E-04	8.74E-04	4.39E-05	4.41E-04	7.52E-04	5.57E-05	2.51E-04	4.15E-04	1.37E-05
54	742249.1	4109723.56	2.47E-03	4.50E-03	2.47E-04	3.83E-04	7.39E-04	3.71E-05	3.73E-04	6.36E-04	4.71E-05	2.12E-04	3.51E-04	1.16E-05
55	742403.75	4109882.16	3.30E-03	6.02E-03	3.30E-04	5.12E-04	9.87E-04	4.96E-05	4.98E-04	8.49E-04	6.29E-05	2.83E-04	4.68E-04	1.55E-05
56	742408.38	4109905.57	2.81E-03	5.11E-03	2.81E-04	4.35E-04	8.38E-04	4.21E-05	4.23E-04	7.21E-04	5.35E-05	2.40E-04	3.98E-04	1.32E-05
57	742413.01	4109928.98	2.35E-03	4.28E-03	2.35E-04	3.65E-04	7.02E-04	3.53E-05	3.55E-04	6.04E-04	4.48E-05	2.01E-04	3.33E-04	1.11E-05
58	742417.64	4109952.39	1.98E-03	3.61E-03	1.98E-04	3.07E-04	5.92E-04	2.97E-05	2.99E-04	5.10E-04	3.78E-05	1.70E-04	2.81E-04	9.31E-06
59	742422.28	4109975.8	1.69E-03	3.07E-03	1.69E-04	2.62E-04	5.04E-04	2.53E-05	2.54E-04	4.34E-04	3.22E-05	1.45E-04	2.39E-04	7.93E-06
60	742426.91	4109999.21	1.45E-03	2.64E-03	1.45E-04	2.25E-04	4.33E-04	2.18E-05	2.19E-04	3.73E-04	2.76E-05	1.24E-04	2.06E-04	6.82E-06
61	742431.54	4110022.62	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.76E-04	1.89E-05	1.90E-04	3.24E-04	2.40E-05	1.08E-04	1.79E-04	5.92E-06
62	742422.94	4110065.88	1.07E-03	1.95E-03	1.07E-04	1.66E-04	3.19E-04	1.60E-05	1.61E-04	2.75E-04	2.03E-05	9.15E-05	1.51E-04	5.02E-06
63	742409.7	4110085.73	1.03E-03	1.87E-03	1.03E-04	1.59E-04	3.06E-04	1.54E-05	1.55E-04	2.64E-04	1.95E-05	8.79E-05	1.45E-04	4.82E-06
64	742396.46	4110105.59	9.81E-04	1.79E-03	9.81E-05	1.52E-04	2.93E-04	1.47E-05	1.48E-04	2.52E-04	1.87E-05	8.40E-05	1.39E-04	4.61E-06
65	742383.22	4110125.44	9.36E-04	1.71E-03	9.37E-05	1.45E-04	2.80E-04	1.41E-05	1.41E-04	2.41E-04	1.78E-05	8.02E-05	1.33E-04	4.40E-06
66	742369.98	4110145.29	8.95E-04	1.63E-03	8.95E-05	1.39E-04	2.67E-04	1.34E-05	1.35E-04	2.30E-04	1.70E-05	7.66E-05	1.27E-04	4.20E-06
67	742356.74	4110165.15	8.55E-04	1.56E-03	8.55E-05	1.33E-04	2.55E-04	1.28E-05	1.29E-04	2.20E-04	1.63E-05	7.33E-05	1.21E-04	4.02E-06

68	742343.51	4110185	8.15E-04	1.49E-03	8.16E-05	1.26E-04	2.44E-04	1.22E-05	1.23E-04	2.10E-04	1.55E-05	6.99E-05	1.16E-04	3.83E-06
69	742399.11	4109858.75	3.74E-03	6.82E-03	3.74E-04	5.80E-04	1.12E-03	5.62E-05	5.64E-04	9.62E-04	7.13E-05	3.21E-04	5.31E-04	1.76E-05
70	742385.56	4109838.39	4.31E-03	7.85E-03	4.31E-04	6.68E-04	1.29E-03	6.46E-05	6.49E-04	1.11E-03	8.21E-05	3.69E-04	6.11E-04	2.02E-05
71	742372.01	4109818.03	4.49E-03	8.18E-03	4.49E-04	6.96E-04	1.34E-03	6.74E-05	6.77E-04	1.15E-03	8.56E-05	3.85E-04	6.37E-04	2.11E-05
72	742358.47	4109797.67	4.22E-03	7.69E-03	4.22E-04	6.55E-04	1.26E-03	6.34E-05	6.37E-04	1.09E-03	8.04E-05	3.62E-04	5.99E-04	1.98E-05
73	742344.92	4109777.31	3.71E-03	6.75E-03	3.71E-04	5.75E-04	1.11E-03	5.56E-05	5.59E-04	9.53E-04	7.06E-05	3.18E-04	5.25E-04	1.74E-05
74	742331.37	4109756.95	3.18E-03	5.79E-03	3.18E-04	4.93E-04	9.50E-04	4.77E-05	4.79E-04	8.17E-04	6.06E-05	2.72E-04	4.51E-04	1.49E-05
75	742317.82	4109736.59	2.74E-03	4.99E-03	2.74E-04	4.25E-04	8.18E-04	4.11E-05	4.13E-04	7.04E-04	5.22E-05	2.35E-04	3.88E-04	1.29E-05
76	742304.27	4109716.23	2.37E-03	4.32E-03	2.37E-04	3.68E-04	7.08E-04	3.56E-05	3.58E-04	6.09E-04	4.52E-05	2.03E-04	3.36E-04	1.11E-05
77	742290.72	4109695.86	2.04E-03	3.72E-03	2.05E-04	3.17E-04	6.11E-04	3.07E-05	3.08E-04	5.25E-04	3.90E-05	1.75E-04	2.90E-04	9.61E-06
78	742445.19	4109853.53	2.49E-03	4.54E-03	2.49E-04	3.86E-04	7.44E-04	3.74E-05	3.76E-04	6.40E-04	4.75E-05	2.13E-04	3.53E-04	1.17E-05
79	742449.63	4109876	2.24E-03	4.07E-03	2.24E-04	3.47E-04	6.68E-04	3.36E-05	3.37E-04	5.75E-04	4.26E-05	1.92E-04	3.17E-04	1.05E-05
80	742454.08	4109898.47	1.97E-03	3.60E-03	1.98E-04	3.06E-04	5.90E-04	2.96E-05	2.98E-04	5.08E-04	3.76E-05	1.69E-04	2.80E-04	9.28E-06
81	742458.53	4109920.95	1.73E-03	3.15E-03	1.73E-04	2.68E-04	5.17E-04	2.60E-05	2.61E-04	4.45E-04	3.30E-05	1.48E-04	2.45E-04	8.13E-06
82	742462.98	4109943.42	1.52E-03	2.77E-03	1.52E-04	2.35E-04	4.53E-04	2.28E-05	2.29E-04	3.90E-04	2.89E-05	1.30E-04	2.15E-04	7.13E-06
83	742467.42	4109965.89	1.34E-03	2.44E-03	1.34E-04	2.08E-04	4.00E-04	2.01E-05	2.02E-04	3.44E-04	2.55E-05	1.15E-04	1.90E-04	6.29E-06
84	742471.87	4109988.36	1.19E-03	2.16E-03	1.19E-04	1.84E-04	3.55E-04	1.78E-05	1.79E-04	3.05E-04	2.26E-05	1.02E-04	1.68E-04	5.58E-06
85	742476.32	4110010.83	1.06E-03	1.93E-03	1.06E-04	1.64E-04	3.16E-04	1.59E-05	1.60E-04	2.72E-04	2.02E-05	9.06E-05	1.50E-04	4.97E-06
86	742480.77	4110033.31	9.46E-04	1.72E-03	9.47E-05	1.47E-04	2.83E-04	1.42E-05	1.43E-04	2.43E-04	1.80E-05	8.11E-05	1.34E-04	4.45E-06
87	742472.51	4110074.84	8.36E-04	1.52E-03	8.36E-05	1.30E-04	2.50E-04	1.25E-05	1.26E-04	2.15E-04	1.59E-05	7.16E-05	1.18E-04	3.93E-06
88	742459.8	4110093.9	8.15E-04	1.49E-03	8.16E-05	1.26E-04	2.44E-04	1.22E-05	1.23E-04	2.10E-04	1.55E-05	6.99E-05	1.16E-04	3.83E-06
89	742447.09	4110112.96	7.89E-04	1.44E-03	7.90E-05	1.22E-04	2.36E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.76E-05	1.12E-04	3.71E-06
90	742434.38	4110132.02	7.61E-04	1.39E-03	7.61E-05	1.18E-04	2.27E-04	1.14E-05	1.15E-04	1.96E-04	1.45E-05	6.52E-05	1.08E-04	3.57E-06
91	742421.67	4110151.08	7.32E-04	1.33E-03	7.33E-05	1.14E-04	2.19E-04	1.10E-05	1.10E-04	1.88E-04	1.40E-05	6.27E-05	1.04E-04	3.44E-06
92	742408.96	4110170.14	7.05E-04	1.28E-03	7.05E-05	1.09E-04	2.11E-04	1.06E-05	1.06E-04	1.81E-04	1.34E-05	6.04E-05	1.00E-04	3.31E-06
93	742396.25	4110189.2	6.79E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.81E-05	9.62E-05	3.19E-06
94	742383.54	4110208.26	6.51E-04	1.19E-03	6.52E-05	1.01E-04	1.95E-04	9.77E-06	9.82E-05	1.67E-04	1.24E-05	5.58E-05	9.23E-05	3.06E-06
95	742370.83	4110227.31	6.22E-04	1.13E-03	6.22E-05	9.65E-05	1.86E-04	9.34E-06	9.38E-05	1.60E-04	1.19E-05	5.33E-05	8.82E-05	2.92E-06
96	742440.74	4109831.06	2.70E-03	4.92E-03	2.70E-04	4.19E-04	8.07E-04	4.05E-05	4.07E-04	6.94E-04	5.14E-05	2.31E-04	3.83E-04	1.27E-05
97	742427.19	4109810.69	3.00E-03	5.46E-03	3.00E-04	4.65E-04	8.95E-04	4.50E-05	4.52E-04	7.70E-04	5.71E-05	2.57E-04	4.25E-04	1.41E-05
98	742413.64	4109790.33	3.12E-03	5.68E-03	3.12E-04	4.84E-04	9.32E-04	4.68E-05	4.70E-04	8.02E-04	5.94E-05	2.67E-04	4.42E-04	1.47E-05
99	742400.09	4109769.97	3.04E-03	5.53E-03	3.04E-04	4.71E-04	9.07E-04	4.56E-05	4.58E-04	7.81E-04	5.79E-05	2.60E-04	4.31E-04	1.43E-05
100	742386.54	4109749.61	2.81E-03	5.12E-03	2.81E-04	4.36E-04	8.39E-04	4.22E-05	4.24E-04	7.22E-04	5.35E-05	2.41E-04	3.98E-04	1.32E-05
101	742373	4109729.25	2.52E-03	4.59E-03	2.52E-04	3.90E-04	7.52E-04	3.78E-05	3.80E-04	6.47E-04	4.80E-05	2.16E-04	3.57E-04	1.18E-05
102	742359.45	4109708.89	2.22E-03	4.05E-03	2.22E-04	3.45E-04	6.64E-04	3.34E-05	3.35E-04	5.71E-04	4.24E-05	1.90E-04	3.15E-04	1.04E-05
103	742345.9	4109688.53	1.96E-03	3.56E-03	1.96E-04	3.03E-04	5.84E-04	2.93E-05	2.95E-04	5.03E-04	3.73E-05	1.68E-04	2.77E-04	9.19E-06
104	742332.35	4109668.17	1.71E-03	3.12E-03	1.72E-04	2.66E-04	5.12E-04	2.57E-05	2.59E-04	4.41E-04	3.27E-05	1.47E-04	2.43E-04	8.06E-06
105	742528.55	4109798.71	1.57E-03	2.86E-03	1.57E-04	2.43E-04	4.69E-04	2.35E-05	2.37E-04	4.03E-04	2.99E-05	1.34E-04	2.22E-04	7.37E-06
106	742533.12	4109821.75	1.46E-03	2.66E-03	1.46E-04	2.27E-04	4.37E-04	2.19E-05	2.20E-04	3.76E-04	2.79E-05	1.25E-04	2.07E-04	6.87E-06
107	742537.68	4109844.8	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.03E-05	2.04E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.35E-06
108	742542.24	4109867.85	1.24E-03	2.26E-03	1.24E-04	1.93E-04	3.71E-04	1.86E-05	1.87E-04	3.19E-04	2.37E-05	1.06E-04	1.76E-04	5.84E-06
109	742546.8	4109890.9	1.14E-03	2.07E-03	1.14E-04	1.76E-04	3.40E-04	1.71E-05	1.71E-04	2.92E-04	2.17E-05	9.74E-05	1.61E-04	5.34E-06
110	742551.36	4109913.95	1.03E-03	1.89E-03	1.04E-04	1.60E-04	3.09E-04	1.55E-05	1.56E-04	2.66E-04	1.97E-05	8.87E-05	1.47E-04	4.86E-06
111	742555.92	4109937	9.40E-04	1.71E-03	9.40E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.42E-04	1.79E-05	8.05E-05	1.33E-04	4.42E-06
112	742560.49	4109960.05	8.54E-04	1.56E-03	8.55E-05	1.32E-04	2.55E-04	1.28E-05	1.29E-04	2.20E-04	1.63E-05	7.32E-05	1.21E-04	4.02E-06
113	742565.05	4109983.09	7.79E-04	1.42E-03	7.80E-05	1.21E-04	2.33E-04	1.17E-05	1.18E-04	2.00E-04	1.48E-05	6.68E-05	1.10E-04	3.66E-06
114	742569.61	4110006.14	7.13E-04	1.30E-03	7.14E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.83E-04	1.36E-05	6.11E-05	1.01E-04	3.35E-06
115	742574.17	4110029.19	6.55E-04	1.19E-03	6.56E-05	1.02E-04	1.96E-04	9.83E-06	9.88E-05	1.68E-04	1.25E-05	5.61E-05	9.29E-05	3.08E-06
116	742578.73	4110052.24	6.04E-04	1.10E-03	6.04E-05	9.37E-05	1.80E-04	9.06E-06	9.11E-05	1.55E-04	1.15E-05	5.17E-05	8.56E-05	2.84E-06
117	742570.26	4110094.84	5.53E-04	1.01E-03	5.54E-05	8.58E-05	1.65E-04	8.31E-06	8.34E-05	1.42E-04	1.05E-05	4.74E-05	7.85E-05	2.60E-06
118	742557.22	4110114.39	5.46E-04	9.96E-04	5.47E-05	8.47E-05	1.63E-04	8.20E-06	8.24E-05	1.40E-04	1.04E-05	4.68E-05	7.75E-05	2.57E-06
119	742544.19	4110133.93	5.38E-04	9.80E-04	5.38E-05	8.34E-05	1.61E-04	8.07E-06	8.11E-05	1.38E-04	1.02E-05	4.61E-05	7.63E-05	2.53E-06
120	742531.15	4110153.48	5.27E-04	9.61E-04	5.27E-05	8.17E-05	1.57E-04	7.91E-06	7.95E-05	1.36E-04	1.00E-05	4.52E-05	7.47E-05	2.48E-06
121	742518.12	4110173.03	5.14E-04	9.37E-04	5.15E-05	7.98E-05	1.54E-04	7.72E-06	7.76E-05	1.32E-04	9.80E-06	4.41E-05	7.29E-05	2.42E-06
122	742505.08	4110192.58	5.00E-04	9.10E-04	5.00E-05	7.75E-05	1.49E-04	7.50E-06	7.53E-05	1.28E-04	9.52E-06	4.28E-05	7.08E-05	2.35E-06
123	742492.05	4110212.13	4.84E-04	8.82E-04	4.84E-05	7.51E-05	1.45E-04	7.27E-06	7.30E-05	1.24E-04	9.22E-06	4.15E-05	6.86E-05	2.27E-06
124	742479.01	4110231.67	4.69E-04	8.54E-04	4.69E-05	7.27E-05	1.40E-04	7.03E-06	7.07E-05	1.20E-04	8.93E-06	4.02E-05	6.64E-05	2.20E-06
125	742465.98	4110251.22	4.52E-04	8.24E-04	4.52E-05	7.01E-05	1.35E-04	6.79E-06	6.82E-05	1.16E-04	8.61E-06	3.87E-05	6.41E-05	2.12E-06
126	742452.94	4110270.77	4.35E-04	7.92E-04	4.35E-05	6.74E-05	1.30E-04	6.53E-06	6.56E-05	1.12E-04	8.29E-06	3.73E-05	6.17E-05	2.04E-06
127	742439.91	4110290.32	4.16E-04	7.58E-04	4.16E-05	6.45E-05	1.24E-04	6.24E-06	6.27E-05	1.07E-04	7.93E-06	3.56E-05	5.90E-05	1.96E-06
128	742426.87	4110309.87	3.96E-04	7.21E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.54E-06	3.39E-05	5.61E-05	1.86E-06
129	742523.99	4109775.66	1.65E-03	3.01E-03	1.65E-04	2.56E-04	4.94E-04	2.48E-05	2.49E-04	4.25E-04	3.15E-05	1.42E-04	2.34E-04	7.77E-06
130	742510.44	4109755.3	1.77E-03	3.23E-03	1.77E-04	2.75E-04	5.30E-04	2.66E-05	2.67E-04	4.56E-04	3.38E-05	1.52E-04	2.51E-04	8.33E-06
131	742496.89	4109734.94	1.83E-03	3.34E-03	1.83E-04	2.84E-04	5.48E-04	2.75E-05	2.76E-04	4.71E-04	3.49E-05	1.57E-04	2.60E-04	8.61E-06
132	742483.35	4109714.57	1.83E-03	3.34E-03	1.83E-04	2.84E-04	5.47E-04	2.75E-05	2.76E-04	4.71E-04	3.49E-05	1.57E-04	2.60E-04	8.60E-06
133	742469.8	4109694.21	1.77E-03	3.23E-03	1.77E-04	2.75E-04	5.30E-04	2.66E-05	2.67E-04	4.56E-04	3.38E-05	1.52E-04	2.51E-04	8.33E-06
134	742456.25	4109673.85	1.67E-03	3.04E-03	1.67E-04	2.59E-04	4.99E-04	2.51E-05	2.52E-04	4.30E-04	3.18E-05	1.43E-04	2.37E-04	7.85E-06
135	742442.7	4109653.49	1.54E-03	2.81E-03	1.54E-04	2.39E-04	4.60E-04	2.31E-05	2.32E-04	3.96E-04	2.93E-05	1.32E-04	2.18E-04	7.24E-06
136	742429.15	4109633.13	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.17E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.56E-06
137	742415.6	4109612.77	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.75E-04	1.88E-05	1.89E-04	3.23E-04	2.39E-05	1.08E-04	1.78E-04	5.90E-06
138	742611.88	4109743.67	1.10E-03	2.01E-03	1.10E-04	1.71E-04	3.29E-04	1.65E-05	1.66E-04	2.83E-04	2.10E-05	9.43E-05	1.56E-04	5.17E-06

139	742616.51	4109767.08	1.04E-03	1.90E-03	1.04E-04	1.62E-04	3.11E-04	1.56E-05	1.57E-04	2.68E-04	1.99E-05	8.93E-05	1.48E-04	4.90E-06
140	742621.14	4109790.49	9.78E-04	1.78E-03	9.78E-05	1.52E-04	2.92E-04	1.47E-05	1.47E-04	2.51E-04	1.86E-05	8.38E-05	1.39E-04	4.60E-06
141	742625.78	4109813.89	9.17E-04	1.67E-03	9.17E-05	1.42E-04	2.74E-04	1.38E-05	1.38E-04	2.36E-04	1.75E-05	7.85E-05	1.30E-04	4.31E-06
142	742630.41	4109837.3	8.60E-04	1.57E-03	8.61E-05	1.33E-04	2.57E-04	1.29E-05	1.30E-04	2.21E-04	1.64E-05	7.37E-05	1.22E-04	4.04E-06
143	742635.04	4109860.71	8.06E-04	1.47E-03	8.07E-05	1.25E-04	2.41E-04	1.21E-05	1.22E-04	2.07E-04	1.54E-05	6.91E-05	1.14E-04	3.79E-06
144	742639.68	4109884.12	7.53E-04	1.37E-03	7.53E-05	1.17E-04	2.25E-04	1.13E-05	1.13E-04	1.93E-04	1.43E-05	6.45E-05	1.07E-04	3.54E-06
145	742644.31	4109907.53	6.99E-04	1.27E-03	6.99E-05	1.08E-04	2.09E-04	1.05E-05	1.05E-04	1.80E-04	1.33E-05	5.99E-05	9.91E-05	3.29E-06
146	742648.94	4109930.94	6.47E-04	1.18E-03	6.48E-05	1.00E-04	1.93E-04	9.72E-06	9.76E-05	1.66E-04	1.23E-05	5.55E-05	9.18E-05	3.04E-06
147	742653.57	4109954.35	5.99E-04	1.09E-03	5.99E-05	9.28E-05	1.79E-04	8.98E-06	9.03E-05	1.54E-04	1.14E-05	5.13E-05	8.49E-05	2.81E-06
148	742658.21	4109977.76	5.54E-04	1.01E-03	5.54E-05	8.59E-05	1.66E-04	8.32E-06	8.36E-05	1.42E-04	1.06E-05	4.75E-05	7.86E-05	2.60E-06
149	742662.84	4110001.16	5.15E-04	9.38E-04	5.15E-05	7.98E-05	1.54E-04	7.72E-06	7.76E-05	1.32E-04	9.81E-06	4.41E-05	7.30E-05	2.42E-06
150	742667.47	4110024.57	4.80E-04	8.75E-04	4.80E-05	7.44E-05	1.43E-04	7.20E-06	7.24E-05	1.23E-04	9.15E-06	4.11E-05	6.81E-05	2.26E-06
151	742672.11	4110047.98	4.50E-04	8.20E-04	4.50E-05	6.98E-05	1.34E-04	6.75E-06	6.78E-05	1.16E-04	8.57E-06	3.86E-05	6.38E-05	2.11E-06
152	742676.74	4110071.39	4.23E-04	7.71E-04	4.24E-05	6.56E-05	1.26E-04	6.35E-06	6.38E-05	1.09E-04	8.07E-06	3.63E-05	6.00E-05	1.99E-06
153	742668.13	4110114.65	3.99E-04	7.26E-04	3.99E-05	6.18E-05	1.19E-04	5.98E-06	6.01E-05	1.02E-04	7.60E-06	3.42E-05	5.65E-05	1.87E-06
154	742654.89	4110134.51	3.96E-04	7.22E-04	3.97E-05	6.15E-05	1.18E-04	5.95E-06	5.98E-05	1.02E-04	7.55E-06	3.40E-05	5.62E-05	1.86E-06
155	742641.66	4110154.36	3.93E-04	7.16E-04	3.93E-05	6.09E-05	1.17E-04	5.90E-06	5.92E-05	1.01E-04	7.49E-06	3.37E-05	5.57E-05	1.85E-06
156	742628.42	4110174.21	3.88E-04	7.07E-04	3.88E-05	6.02E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
157	742615.18	4110194.07	3.82E-04	6.96E-04	3.82E-05	5.93E-05	1.14E-04	5.74E-06	5.76E-05	9.82E-05	7.28E-06	3.27E-05	5.42E-05	1.80E-06
158	742601.94	4110213.92	3.76E-04	6.84E-04	3.76E-05	5.83E-05	1.12E-04	5.64E-06	5.66E-05	9.66E-05	7.16E-06	3.22E-05	5.33E-05	1.77E-06
159	742588.7	4110233.77	3.68E-04	6.71E-04	3.68E-05	5.71E-05	1.10E-04	5.53E-06	5.55E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
160	742575.46	4110253.63	3.59E-04	6.55E-04	3.60E-05	5.57E-05	1.07E-04	5.39E-06	5.42E-05	9.24E-05	6.85E-06	3.08E-05	5.10E-05	1.69E-06
161	742562.22	4110273.48	3.49E-04	6.36E-04	3.49E-05	5.41E-05	1.04E-04	5.24E-06	5.26E-05	8.97E-05	6.65E-06	2.99E-05	4.95E-05	1.64E-06
162	742548.99	4110293.34	3.37E-04	6.15E-04	3.38E-05	5.23E-05	1.01E-04	5.06E-06	5.09E-05	8.67E-05	6.43E-06	2.89E-05	4.78E-05	1.59E-06
163	742535.75	4110313.19	3.25E-04	5.93E-04	3.26E-05	5.04E-05	9.72E-05	4.88E-06	4.91E-05	8.36E-05	6.20E-06	2.79E-05	4.61E-05	1.53E-06
164	742522.51	4110333.04	3.13E-04	5.70E-04	3.13E-05	4.86E-05	9.35E-05	4.70E-06	4.72E-05	8.05E-05	5.97E-06	2.68E-05	4.44E-05	1.47E-06
165	742509.27	4110352.9	3.01E-04	5.48E-04	3.01E-05	4.66E-05	8.99E-05	4.51E-06	4.54E-05	7.73E-05	5.73E-06	2.58E-05	4.26E-05	1.41E-06
166	742496.03	4110372.75	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.61E-05	4.33E-06	4.35E-05	7.41E-05	5.49E-06	2.47E-05	4.09E-05	1.35E-06
167	742482.79	4110392.6	2.76E-04	5.02E-04	2.76E-05	4.27E-05	8.23E-05	4.14E-06	4.16E-05	7.08E-05	5.25E-06	2.36E-05	3.91E-05	1.29E-06
168	742607.24	4109720.26	1.14E-03	2.08E-03	1.14E-04	1.77E-04	3.42E-04	1.72E-05	1.72E-04	2.94E-04	2.18E-05	9.80E-05	1.62E-04	5.38E-06
169	742593.7	4109699.9	1.21E-03	2.20E-03	1.21E-04	1.87E-04	3.60E-04	1.81E-05	1.82E-04	3.10E-04	2.30E-05	1.03E-04	1.71E-04	5.66E-06
170	742580.15	4109679.54	1.24E-03	2.26E-03	1.24E-04	1.92E-04	3.70E-04	1.86E-05	1.87E-04	3.19E-04	2.36E-05	1.06E-04	1.76E-04	5.82E-06
171	742566.6	4109659.18	1.24E-03	2.27E-03	1.24E-04	1.93E-04	3.72E-04	1.87E-05	1.88E-04	3.20E-04	2.37E-05	1.07E-04	1.76E-04	5.85E-06
172	742553.05	4109638.81	1.22E-03	2.23E-03	1.22E-04	1.90E-04	3.65E-04	1.83E-05	1.84E-04	3.14E-04	2.33E-05	1.05E-04	1.73E-04	5.74E-06
173	742539.5	4109618.45	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.52E-04	1.77E-05	1.78E-04	3.03E-04	2.25E-05	1.01E-04	1.67E-04	5.54E-06
174	742525.95	4109598.09	1.12E-03	2.03E-03	1.12E-04	1.73E-04	3.34E-04	1.68E-05	1.68E-04	2.87E-04	2.13E-05	9.57E-05	1.58E-04	5.25E-06
175	742512.4	4109577.73	1.04E-03	1.90E-03	1.04E-04	1.62E-04	3.11E-04	1.56E-05	1.57E-04	2.68E-04	1.99E-05	8.93E-05	1.48E-04	4.90E-06
176	742498.85	4109557.37	9.62E-04	1.75E-03	9.62E-05	1.49E-04	2.87E-04	1.44E-05	1.45E-04	2.47E-04	1.83E-05	8.24E-05	1.36E-04	4.52E-06
177	742695.18	4109688.52	8.25E-04	1.50E-03	8.25E-05	1.28E-04	2.46E-04	1.24E-05	1.24E-04	2.12E-04	1.57E-05	7.07E-05	1.17E-04	3.88E-06
178	742699.86	4109712.17	7.89E-04	1.44E-03	7.90E-05	1.22E-04	2.36E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.76E-05	1.12E-04	3.71E-06
179	742704.54	4109735.83	7.47E-04	1.36E-03	7.48E-05	1.16E-04	2.23E-04	1.12E-05	1.13E-04	1.92E-04	1.42E-05	6.40E-05	1.06E-04	3.51E-06
180	742709.22	4109759.48	7.05E-04	1.28E-03	7.05E-05	1.09E-04	2.11E-04	1.06E-05	1.06E-04	1.81E-04	1.34E-05	6.04E-05	9.99E-05	3.31E-06
181	742713.91	4109783.14	6.66E-04	1.21E-03	6.67E-05	1.03E-04	1.99E-04	1.00E-05	1.00E-04	1.71E-04	1.27E-05	5.71E-05	9.45E-05	3.13E-06
182	742718.59	4109806.79	6.33E-04	1.15E-03	6.33E-05	9.82E-05	1.89E-04	9.50E-06	9.55E-05	1.63E-04	1.21E-05	5.42E-05	8.97E-05	2.97E-06
183	742723.27	4109830.45	6.03E-04	1.10E-03	6.03E-05	9.34E-05	1.80E-04	9.04E-06	9.09E-05	1.55E-04	1.15E-05	5.16E-05	8.54E-05	2.83E-06
184	742727.95	4109854.1	5.72E-04	1.04E-03	5.72E-05	8.87E-05	1.71E-04	8.59E-06	8.63E-05	1.47E-04	1.09E-05	4.90E-05	8.11E-05	2.69E-06
185	742732.63	4109877.76	5.41E-04	9.85E-04	5.41E-05	8.38E-05	1.62E-04	8.12E-06	8.15E-05	1.39E-04	1.03E-05	4.63E-05	7.67E-05	2.54E-06
186	742737.31	4109901.41	5.08E-04	9.26E-04	5.09E-05	7.88E-05	1.52E-04	7.63E-06	7.67E-05	1.31E-04	9.69E-06	4.36E-05	7.21E-05	2.39E-06
187	742742	4109925.07	4.76E-04	8.68E-04	4.77E-05	7.39E-05	1.42E-04	7.15E-06	7.18E-05	1.22E-04	9.08E-06	4.08E-05	6.75E-05	2.24E-06
188	742746.68	4109948.72	4.45E-04	8.12E-04	4.46E-05	6.91E-05	1.33E-04	6.69E-06	6.72E-05	1.15E-04	8.49E-06	3.82E-05	6.32E-05	2.09E-06
189	742751.36	4109972.38	4.17E-04	7.59E-04	4.17E-05	6.46E-05	1.24E-04	6.25E-06	6.28E-05	1.07E-04	7.94E-06	3.57E-05	5.91E-05	1.96E-06
190	742756.04	4109996.03	3.91E-04	7.12E-04	3.91E-05	6.06E-05	1.17E-04	5.86E-06	5.89E-05	1.00E-04	7.44E-06	3.35E-05	5.54E-05	1.84E-06
191	742760.72	4110019.69	3.67E-04	6.70E-04	3.68E-05	5.70E-05	1.10E-04	5.51E-06	5.54E-05	9.45E-05	7.00E-06	3.15E-05	5.21E-05	1.73E-06
192	742765.41	4110043.34	3.48E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
193	742770.09	4110067	3.30E-04	6.02E-04	3.31E-05	5.12E-05	9.87E-05	4.96E-06	4.98E-05	8.49E-05	6.30E-06	2.83E-05	4.68E-05	1.55E-06
194	742774.77	4110090.65	3.15E-04	5.75E-04	3.16E-05	4.89E-05	9.42E-05	4.73E-06	4.76E-05	8.11E-05	6.01E-06	2.70E-05	4.47E-05	1.48E-06
195	742766.07	4110134.37	3.03E-04	5.52E-04	3.03E-05	4.70E-05	9.05E-05	4.55E-06	4.57E-05	7.79E-05	5.77E-06	2.60E-05	4.30E-05	1.42E-06
196	742752.69	4110154.43	3.03E-04	5.52E-04	3.03E-05	4.70E-05	9.05E-05	4.55E-06	4.57E-05	7.79E-05	5.77E-06	2.60E-05	4.30E-05	1.42E-06
197	742739.32	4110174.5	3.02E-04	5.50E-04	3.02E-05	4.68E-05	9.02E-05	4.53E-06	4.55E-05	7.76E-05	5.76E-06	2.59E-05	4.28E-05	1.42E-06
198	742725.94	4110194.56	3.00E-04	5.47E-04	3.00E-05	4.65E-05	8.97E-05	4.50E-06	4.53E-05	7.72E-05	5.72E-06	2.57E-05	4.26E-05	1.41E-06
199	742712.56	4110214.62	2.97E-04	5.41E-04	2.97E-05	4.60E-05	8.87E-05	4.46E-06	4.48E-05	7.63E-05	5.66E-06	2.54E-05	4.21E-05	1.40E-06
200	742699.18	4110234.68	2.93E-04	5.34E-04	2.93E-05	4.54E-05	8.75E-05	4.40E-06	4.42E-05	7.53E-05	5.58E-06	2.51E-05	4.15E-05	1.38E-06
201	742685.8	4110254.75	2.89E-04	5.26E-04	2.89E-05	4.48E-05	8.62E-05	4.33E-06	4.35E-05	7.42E-05	5.50E-06	2.47E-05	4.09E-05	1.36E-06
202	742672.43	4110274.81	2.84E-04	5.18E-04	2.84E-05	4.41E-05	8.49E-05	4.26E-06	4.28E-05	7.30E-05	5.41E-06	2.43E-05	4.03E-05	1.34E-06
203	742659.05	4110294.87	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.33E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
204	742645.67	4110314.93	2.73E-04	4.97E-04	2.73E-05	4.23E-05	8.14E-05	4.09E-06	4.11E-05	7.01E-05	5.19E-06	2.34E-05	3.86E-05	1.28E-06
205	742632.29	4110335	2.65E-04	4.82E-04	2.65E-05	4.10E-05	7.91E-05	3.97E-06	3.99E-05	6.80E-05	5.04E-06	2.27E-05	3.75E-05	1.24E-06
206	742618.91	4110355.06	2.56E-04	4.66E-04	2.56E-05	3.96E-05	7.64E-05	3.84E-06	3.86E-05	6.57E-05	4.87E-06	2.19E-05	3.62E-05	1.20E-06
207	742605.54	4110375.12	2.46E-04	4.49E-04	2.47E-05	3.82E-05	7.36E-05	3.70E-06	3.72E-05	6.33E-05	4.70E-06	2.11E-05	3.49E-05	1.16E-06
208	742592.16	4110395.19	2.38E-04	4.33E-04	2.38E-05	3.68E-05	7.10E-05	3.57E-06	3.58E-05	6.11E-05	4.53E-06	2.04E-05	3.37E-05	1.12E-06
209	742578.78	4110415.25	2.30E-04	4.18E-04	2.30E-05	3.56E-05	6.86E-05	3.45E-06	3.46E-05	5.90E-05	4.37E-06	1.97E-05	3.25E-05	1.08E-06

210	742565.4	4110435.31	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.70E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
211	742552.02	4110455.37	2.14E-04	3.90E-04	2.14E-05	3.32E-05	6.40E-05	3.21E-06	3.23E-05	5.50E-05	4.08E-06	1.83E-05	3.04E-05	1.01E-06
212	742538.65	4110475.44	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.11E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
213	742690.5	4109664.86	8.50E-04	1.55E-03	8.50E-05	1.32E-04	2.54E-04	1.28E-05	1.28E-04	2.18E-04	1.62E-05	7.28E-05	1.20E-04	3.99E-06
214	742676.95	4109644.5	8.85E-04	1.61E-03	8.86E-05	1.37E-04	2.64E-04	1.33E-05	1.33E-04	2.28E-04	1.69E-05	7.59E-05	1.26E-04	4.16E-06
215	742663.4	4109624.14	9.05E-04	1.65E-03	9.06E-05	1.40E-04	2.71E-04	1.36E-05	1.37E-04	2.33E-04	1.73E-05	7.76E-05	1.28E-04	4.26E-06
216	742649.85	4109603.78	9.10E-04	1.66E-03	9.10E-05	1.41E-04	2.72E-04	1.37E-05	1.37E-04	2.34E-04	1.73E-05	7.79E-05	1.29E-04	4.27E-06
217	742636.3	4109583.42	8.99E-04	1.64E-03	9.00E-05	1.39E-04	2.69E-04	1.35E-05	1.36E-04	2.31E-04	1.71E-05	7.70E-05	1.27E-04	4.23E-06
218	742622.75	4109563.06	8.76E-04	1.60E-03	8.77E-05	1.36E-04	2.62E-04	1.32E-05	1.32E-04	2.25E-04	1.67E-05	7.51E-05	1.24E-04	4.12E-06
219	742609.21	4109542.69	8.43E-04	1.54E-03	8.44E-05	1.31E-04	2.52E-04	1.27E-05	1.27E-04	2.17E-04	1.61E-05	7.23E-05	1.20E-04	3.96E-06
220	742595.66	4109522.33	8.02E-04	1.46E-03	8.03E-05	1.24E-04	2.40E-04	1.20E-05	1.21E-04	2.06E-04	1.53E-05	6.88E-05	1.14E-04	3.77E-06
221	742582.11	4109501.97	7.55E-04	1.38E-03	7.56E-05	1.17E-04	2.26E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.47E-05	1.07E-04	3.55E-06
222	742778.47	4109633.3	6.46E-04	1.18E-03	6.46E-05	1.00E-04	1.93E-04	9.70E-06	9.74E-05	1.66E-04	1.23E-05	5.54E-05	9.16E-05	3.04E-06
223	742783.19	4109657.13	6.23E-04	1.14E-03	6.24E-05	9.66E-05	1.86E-04	9.35E-06	9.40E-05	1.60E-04	1.19E-05	5.34E-05	8.84E-05	2.93E-06
224	742787.9	4109680.97	5.94E-04	1.08E-03	5.95E-05	9.22E-05	1.78E-04	8.92E-06	8.96E-05	1.53E-04	1.13E-05	5.09E-05	8.43E-05	2.79E-06
225	742792.62	4109704.8	5.63E-04	1.03E-03	5.64E-05	8.74E-05	1.68E-04	8.46E-06	8.50E-05	1.45E-04	1.07E-05	4.83E-05	7.99E-05	2.65E-06
226	742797.34	4109728.64	5.34E-04	9.73E-04	5.34E-05	8.28E-05	1.59E-04	8.01E-06	8.05E-05	1.37E-04	1.02E-05	4.57E-05	7.57E-05	2.51E-06
227	742802.05	4109752.47	5.08E-04	9.26E-04	5.08E-05	7.88E-05	1.52E-04	7.63E-06	7.66E-05	1.31E-04	9.68E-06	4.35E-05	7.20E-05	2.39E-06
228	742806.77	4109776.3	4.87E-04	8.87E-04	4.87E-05	7.55E-05	1.45E-04	7.31E-06	7.34E-05	1.25E-04	9.28E-06	4.17E-05	6.90E-05	2.29E-06
229	742811.49	4109800.14	4.69E-04	8.54E-04	4.69E-05	7.27E-05	1.40E-04	7.03E-06	7.07E-05	1.20E-04	8.93E-06	4.02E-05	6.64E-05	2.20E-06
230	742816.21	4109823.97	4.51E-04	8.22E-04	4.51E-05	6.99E-05	1.35E-04	6.77E-06	6.80E-05	1.16E-04	8.59E-06	3.86E-05	6.39E-05	2.12E-06
231	742820.92	4109847.81	4.32E-04	7.88E-04	4.33E-05	6.70E-05	1.29E-04	6.49E-06	6.52E-05	1.11E-04	8.24E-06	3.70E-05	6.13E-05	2.03E-06
232	742825.64	4109871.64	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.18E-06	6.21E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.94E-06
233	742830.36	4109895.48	3.90E-04	7.11E-04	3.90E-05	6.05E-05	1.17E-04	5.86E-06	5.88E-05	1.00E-04	7.44E-06	3.34E-05	5.53E-05	1.83E-06
234	742835.07	4109919.31	3.68E-04	6.71E-04	3.68E-05	5.71E-05	1.10E-04	5.53E-06	5.55E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
235	742839.79	4109943.14	3.47E-04	6.32E-04	3.47E-05	5.38E-05	1.04E-04	5.21E-06	5.23E-05	8.92E-05	6.61E-06	2.97E-05	4.92E-05	1.63E-06
236	742844.51	4109966.98	3.27E-04	5.95E-04	3.27E-05	5.07E-05	9.76E-05	4.90E-06	4.93E-05	8.40E-05	6.23E-06	2.80E-05	4.63E-05	1.54E-06
237	742849.23	4109990.81	3.08E-04	5.62E-04	3.09E-05	4.78E-05	9.22E-05	4.63E-06	4.65E-05	7.93E-05	5.88E-06	2.64E-05	4.37E-05	1.45E-06
238	742853.94	4110014.65	2.92E-04	5.32E-04	2.92E-05	4.53E-05	8.73E-05	4.38E-06	4.41E-05	7.51E-05	5.57E-06	2.50E-05	4.14E-05	1.37E-06
239	742858.66	4110038.48	2.78E-04	5.06E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.14E-05	5.30E-06	2.38E-05	3.94E-05	1.31E-06
240	742863.38	4110062.32	2.66E-04	4.84E-04	2.66E-05	4.12E-05	7.93E-05	3.99E-06	4.01E-05	6.83E-05	5.06E-06	2.28E-05	3.77E-05	1.25E-06
241	742868.09	4110086.15	2.55E-04	4.65E-04	2.55E-05	3.96E-05	7.62E-05	3.83E-06	3.85E-05	6.56E-05	4.86E-06	2.19E-05	3.62E-05	1.20E-06
242	742872.81	4110109.98	2.46E-04	4.48E-04	2.46E-05	3.81E-05	7.35E-05	3.69E-06	3.71E-05	6.32E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
243	742864.05	4110154.03	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.62E-05	6.16E-05	4.57E-06	2.05E-05	3.40E-05	1.13E-06
244	742850.57	4110174.25	2.41E-04	4.39E-04	2.41E-05	3.74E-05	7.20E-05	3.62E-06	3.63E-05	6.19E-05	4.59E-06	2.06E-05	3.42E-05	1.13E-06
245	742837.09	4110194.46	2.41E-04	4.40E-04	2.41E-05	3.74E-05	7.21E-05	3.62E-06	3.64E-05	6.20E-05	4.60E-06	2.07E-05	3.42E-05	1.13E-06
246	742823.61	4110214.68	2.41E-04	4.38E-04	2.41E-05	3.73E-05	7.19E-05	3.61E-06	3.63E-05	6.18E-05	4.58E-06	2.06E-05	3.41E-05	1.13E-06
247	742810.13	4110234.89	2.39E-04	4.36E-04	2.39E-05	3.71E-05	7.14E-05	3.59E-06	3.60E-05	6.14E-05	4.55E-06	2.05E-05	3.39E-05	1.12E-06
248	742796.65	4110255.11	2.37E-04	4.31E-04	2.37E-05	3.67E-05	7.07E-05	3.55E-06	3.57E-05	6.08E-05	4.51E-06	2.03E-05	3.36E-05	1.11E-06
249	742783.17	4110275.32	2.34E-04	4.26E-04	2.34E-05	3.62E-05	6.98E-05	3.51E-06	3.52E-05	6.01E-05	4.45E-06	2.00E-05	3.31E-05	1.10E-06
250	742769.69	4110295.54	2.30E-04	4.20E-04	2.31E-05	3.57E-05	6.88E-05	3.46E-06	3.47E-05	5.92E-05	4.39E-06	1.97E-05	3.27E-05	1.08E-06
251	742756.21	4110315.75	2.27E-04	4.14E-04	2.27E-05	3.52E-05	6.78E-05	3.41E-06	3.42E-05	5.83E-05	4.32E-06	1.94E-05	3.22E-05	1.07E-06
252	742742.73	4110335.96	2.23E-04	4.07E-04	2.23E-05	3.46E-05	6.67E-05	3.35E-06	3.37E-05	5.74E-05	4.25E-06	1.91E-05	3.17E-05	1.05E-06
253	742729.26	4110356.18	2.19E-04	3.99E-04	2.19E-05	3.40E-05	6.54E-05	3.29E-06	3.30E-05	5.63E-05	4.17E-06	1.88E-05	3.10E-05	1.03E-06
254	742715.78	4110376.39	2.14E-04	3.89E-04	2.14E-05	3.31E-05	6.39E-05	3.21E-06	3.22E-05	5.49E-05	4.07E-06	1.83E-05	3.03E-05	1.00E-06
255	742702.3	4110396.61	2.08E-04	3.78E-04	2.08E-05	3.22E-05	6.20E-05	3.12E-06	3.13E-05	5.34E-05	3.96E-06	1.78E-05	2.94E-05	9.76E-07
256	742688.82	4110416.82	2.01E-04	3.66E-04	2.01E-05	3.12E-05	6.00E-05	3.02E-06	3.03E-05	5.16E-05	3.83E-06	1.72E-05	2.85E-05	9.44E-07
257	742675.34	4110437.04	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.92E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.13E-07
258	742661.86	4110457.25	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.63E-05	2.83E-06	2.84E-05	4.84E-05	3.59E-06	1.61E-05	2.67E-05	8.85E-07
259	742648.38	4110477.47	1.83E-04	3.33E-04	1.83E-05	2.84E-05	5.47E-05	2.75E-06	2.76E-05	4.70E-05	3.49E-06	1.57E-05	2.59E-05	8.60E-07
260	742634.9	4110497.68	1.78E-04	3.25E-04	1.78E-05	2.76E-05	5.32E-05	2.67E-06	2.69E-05	4.58E-05	3.39E-06	1.53E-05	2.53E-05	8.37E-07
261	742621.42	4110517.9	1.73E-04	3.16E-04	1.73E-05	2.69E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.46E-05	8.14E-07
262	742607.94	4110538.11	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.20E-06	1.44E-05	2.38E-05	7.88E-07
263	742594.46	4110558.33	1.62E-04	2.95E-04	1.62E-05	2.51E-05	4.83E-05	2.43E-06	2.44E-05	4.16E-05	3.08E-06	1.39E-05	2.29E-05	7.60E-07
264	742773.75	4109609.46	6.61E-04	1.20E-03	6.61E-05	1.02E-04	1.97E-04	9.92E-06	9.96E-05	1.70E-04	1.26E-05	5.66E-05	9.37E-05	3.11E-06
265	742760.2	4109589.1	6.83E-04	1.24E-03	6.83E-05	1.06E-04	2.04E-04	1.02E-05	1.03E-04	1.76E-04	1.30E-05	5.85E-05	9.68E-05	3.21E-06
266	742746.65	4109568.74	6.95E-04	1.27E-03	6.96E-05	1.08E-04	2.08E-04	1.04E-05	1.05E-04	1.79E-04	1.32E-05	5.96E-05	9.86E-05	3.27E-06
267	742733.1	4109548.38	6.98E-04	1.27E-03	6.98E-05	1.08E-04	2.09E-04	1.05E-05	1.05E-04	1.79E-04	1.33E-05	5.98E-05	9.90E-05	3.28E-06
268	742719.56	4109528.02	6.92E-04	1.26E-03	6.93E-05	1.07E-04	2.07E-04	1.04E-05	1.04E-04	1.78E-04	1.32E-05	5.93E-05	9.81E-05	3.25E-06
269	742706.01	4109507.66	6.79E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.82E-05	9.62E-05	3.19E-06
270	742692.46	4109487.3	6.59E-04	1.20E-03	6.60E-05	1.02E-04	1.97E-04	9.89E-06	9.94E-05	1.69E-04	1.26E-05	5.65E-05	9.35E-05	3.10E-06
271	742678.91	4109466.93	6.35E-04	1.16E-03	6.35E-05	9.84E-05	1.90E-04	9.53E-06	9.57E-05	1.63E-04	1.21E-05	5.44E-05	9.00E-05	2.98E-06
272	742665.36	4109446.57	6.06E-04	1.10E-03	6.07E-05	9.40E-05	1.81E-04	9.10E-06	9.14E-05	1.56E-04	1.16E-05	5.19E-05	8.60E-05	2.85E-06
273	742944.86	4109521.91	4.35E-04	7.92E-04	4.35E-05	6.74E-05	1.30E-04	6.53E-06	6.56E-05	1.12E-04	8.28E-06	3.73E-05	6.16E-05	2.04E-06
274	742949.46	4109545.16	4.26E-04	7.75E-04	4.26E-05	6.60E-05	1.27E-04	6.39E-06	6.42E-05	1.09E-04	8.11E-06	3.65E-05	6.03E-05	2.00E-06
275	742954.06	4109568.41	4.13E-04	7.52E-04	4.13E-05	6.40E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.86E-06	3.54E-05	5.85E-05	1.94E-06
276	742958.66	4109591.66	3.97E-04	7.23E-04	3.97E-05	6.15E-05	1.18E-04	5.95E-06	5.98E-05	1.02E-04	7.56E-06	3.40E-05	5.62E-05	1.86E-06
277	742963.26	4109614.9	3.79E-04	6.90E-04	3.79E-05	5.87E-05	1.13E-04	5.68E-06	5.71E-05	9.74E-05	7.22E-06	3.25E-05	5.37E-05	1.78E-06
278	742967.86	4109638.15	3.61E-04	6.57E-04	3.61E-05	5.60E-05	1.08E-04	5.42E-06	5.44E-05	9.28E-05	6.88E-06	3.09E-05	5.12E-05	1.70E-06
279	742972.46	4109661.4	3.44E-04	6.27E-04	3.45E-05	5.34E-05	1.03E-04	5.17E-06	5.19E-05	8.85E-05	6.56E-06	2.95E-05	4.88E-05	1.62E-06
280	742977.06	4109684.65	3.30E-04	6.02E-04	3.30E-05	5.12E-05	9.87E-05	4.96E-06	4.98E-05	8.49E-05	6.29E-06	2.83E-05	4.68E-05	1.55E-06

281	742981.67	4109707.89	3.19E-04	5.82E-04	3.19E-05	4.95E-05	9.54E-05	4.79E-06	4.81E-05	8.21E-05	6.08E-06	2.74E-05	4.53E-05	1.50E-06
282	742986.27	4109731.14	3.11E-04	5.66E-04	3.11E-05	4.82E-05	9.28E-05	4.66E-06	4.69E-05	7.99E-05	5.92E-06	2.66E-05	4.41E-05	1.46E-06
283	742990.87	4109754.39	3.04E-04	5.54E-04	3.04E-05	4.71E-05	9.08E-05	4.56E-06	4.58E-05	7.82E-05	5.79E-06	2.60E-05	4.31E-05	1.43E-06
284	742995.47	4109777.63	2.98E-04	5.42E-04	2.98E-05	4.62E-05	8.89E-05	4.47E-06	4.49E-05	7.65E-05	5.67E-06	2.55E-05	4.22E-05	1.40E-06
285	743000.07	4109800.88	2.91E-04	5.30E-04	2.91E-05	4.51E-05	8.68E-05	4.36E-06	4.38E-05	7.47E-05	5.54E-06	2.49E-05	4.12E-05	1.37E-06
286	743004.67	4109824.13	2.82E-04	5.14E-04	2.82E-05	4.38E-05	8.43E-05	4.24E-06	4.26E-05	7.26E-05	5.38E-06	2.42E-05	4.00E-05	1.33E-06
287	743009.27	4109847.38	2.72E-04	4.96E-04	2.73E-05	4.22E-05	8.14E-05	4.09E-06	4.11E-05	7.00E-05	5.19E-06	2.33E-05	3.86E-05	1.28E-06
288	743013.87	4109870.62	2.61E-04	4.76E-04	2.62E-05	4.05E-05	7.81E-05	3.92E-06	3.94E-05	6.72E-05	4.98E-06	2.24E-05	3.71E-05	1.23E-06
289	743018.47	4109893.87	2.50E-04	4.55E-04	2.50E-05	3.88E-05	7.47E-05	3.75E-06	3.77E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
290	743023.07	4109917.12	2.38E-04	4.34E-04	2.38E-05	3.69E-05	7.12E-05	3.58E-06	3.59E-05	6.12E-05	4.54E-06	2.04E-05	3.38E-05	1.12E-06
291	743027.68	4109940.37	2.27E-04	4.14E-04	2.27E-05	3.52E-05	6.78E-05	3.41E-06	3.42E-05	5.84E-05	4.33E-06	1.95E-05	3.22E-05	1.07E-06
292	743032.28	4109963.61	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.27E-05	5.57E-05	4.13E-06	1.86E-05	3.07E-05	1.02E-06
293	743036.88	4109986.86	2.07E-04	3.77E-04	2.07E-05	3.21E-05	6.19E-05	3.11E-06	3.12E-05	5.32E-05	3.95E-06	1.77E-05	2.94E-05	9.73E-07
294	743041.48	4110010.11	1.99E-04	3.62E-04	1.99E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.11E-05	3.78E-06	1.70E-05	2.82E-05	9.33E-07
295	743046.08	4110033.35	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.71E-05	2.87E-06	2.88E-05	4.91E-05	3.64E-06	1.64E-05	2.71E-05	8.98E-07
296	743050.68	4110056.6	1.84E-04	3.36E-04	1.84E-05	2.86E-05	5.50E-05	2.77E-06	2.78E-05	4.74E-05	3.51E-06	1.58E-05	2.61E-05	8.66E-07
297	743055.28	4110079.85	1.78E-04	3.25E-04	1.78E-05	2.76E-05	5.33E-05	2.68E-06	2.69E-05	4.58E-05	3.40E-06	1.53E-05	2.53E-05	8.38E-07
298	743059.88	4110103.1	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.45E-05	8.13E-07
299	743064.48	4110126.34	1.69E-04	3.07E-04	1.69E-05	2.61E-05	5.04E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.92E-07
300	743069.08	4110149.59	1.65E-04	3.00E-04	1.65E-05	2.55E-05	4.92E-05	2.47E-06	2.48E-05	4.23E-05	3.14E-06	1.41E-05	2.33E-05	7.74E-07
301	743060.54	4110192.55	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.86E-05	2.44E-06	2.46E-05	4.19E-05	3.10E-06	1.40E-05	2.31E-05	7.65E-07
302	743047.39	4110212.27	1.64E-04	3.00E-04	1.65E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.23E-05	3.13E-06	1.41E-05	2.33E-05	7.73E-07
303	743034.24	4110231.99	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
304	743021.1	4110251.7	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.98E-05	2.50E-06	2.51E-05	4.29E-05	3.18E-06	1.43E-05	2.36E-05	7.84E-07
305	743007.95	4110271.42	1.67E-04	3.05E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.30E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
306	742994.8	4110291.14	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.84E-07
307	742981.65	4110310.85	1.66E-04	3.03E-04	1.66E-05	2.58E-05	4.96E-05	2.49E-06	2.50E-05	4.27E-05	3.16E-06	1.42E-05	2.35E-05	7.80E-07
308	742968.51	4110330.57	1.65E-04	3.00E-04	1.65E-05	2.55E-05	4.92E-05	2.47E-06	2.48E-05	4.23E-05	3.14E-06	1.41E-05	2.34E-05	7.74E-07
309	742955.36	4110350.29	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.87E-05	2.45E-06	2.46E-05	4.19E-05	3.10E-06	1.40E-05	2.31E-05	7.66E-07
310	742942.21	4110370	1.61E-04	2.93E-04	1.61E-05	2.49E-05	4.80E-05	2.41E-06	2.42E-05	4.13E-05	3.06E-06	1.38E-05	2.28E-05	7.55E-07
311	742929.06	4110389.72	1.58E-04	2.88E-04	1.58E-05	2.45E-05	4.73E-05	2.37E-06	2.39E-05	4.07E-05	3.01E-06	1.36E-05	2.24E-05	7.43E-07
312	742915.92	4110409.44	1.55E-04	2.83E-04	1.55E-05	2.41E-05	4.64E-05	2.33E-06	2.34E-05	3.99E-05	2.96E-06	1.33E-05	2.20E-05	7.30E-07
313	742902.77	4110429.16	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
314	742889.62	4110448.87	1.49E-04	2.72E-04	1.49E-05	2.31E-05	4.46E-05	2.24E-06	2.25E-05	3.84E-05	2.84E-06	1.28E-05	2.12E-05	7.01E-07
315	742876.47	4110468.59	1.46E-04	2.66E-04	1.46E-05	2.27E-05	4.37E-05	2.19E-06	2.20E-05	3.76E-05	2.78E-06	1.25E-05	2.07E-05	6.87E-07
316	742863.33	4110488.31	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.72E-07
317	742850.18	4110508.02	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.60E-05	2.67E-06	1.20E-05	1.98E-05	6.58E-07
318	742837.03	4110527.74	1.37E-04	2.50E-04	1.37E-05	2.12E-05	4.09E-05	2.06E-06	2.07E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.44E-07
319	742823.89	4110547.46	1.34E-04	2.45E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.31E-07
320	742810.74	4110567.17	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
321	742797.59	4110586.89	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
322	742784.44	4110606.61	1.27E-04	2.32E-04	1.27E-05	1.97E-05	3.80E-05	1.91E-06	1.92E-05	3.27E-05	2.43E-06	1.09E-05	1.80E-05	5.98E-07
323	742771.3	4110626.32	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
324	742758.15	4110646.04	1.23E-04	2.23E-04	1.23E-05	1.90E-05	3.66E-05	1.84E-06	1.85E-05	3.15E-05	2.34E-06	1.05E-05	1.74E-05	5.76E-07
325	742745	4110665.76	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.58E-05	1.80E-06	1.81E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.63E-07
326	742731.85	4110685.47	1.17E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	3.00E-05	2.22E-06	9.99E-06	1.65E-05	5.48E-07
327	742718.71	4110705.19	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.15E-06	9.69E-06	1.60E-05	5.31E-07
328	742705.56	4110724.91	1.09E-04	2.00E-04	1.10E-05	1.70E-05	3.27E-05	1.64E-06	1.65E-05	2.81E-05	2.09E-06	9.38E-06	1.55E-05	5.15E-07
329	742940.26	4109498.67	4.40E-04	8.02E-04	4.40E-05	6.82E-05	1.31E-04	6.60E-06	6.63E-05	1.13E-04	8.38E-06	3.77E-05	6.24E-05	2.07E-06
330	742926.71	4109478.31	4.49E-04	8.19E-04	4.50E-05	6.97E-05	1.34E-04	6.74E-06	6.77E-05	1.15E-04	8.56E-06	3.85E-05	6.37E-05	2.11E-06
331	742913.16	4109457.95	4.54E-04	8.28E-04	4.55E-05	7.05E-05	1.36E-04	6.82E-06	6.85E-05	1.17E-04	8.66E-06	3.89E-05	6.44E-05	2.13E-06
332	742899.61	4109437.58	4.55E-04	8.29E-04	4.55E-05	7.06E-05	1.36E-04	6.83E-06	6.86E-05	1.17E-04	8.67E-06	3.90E-05	6.45E-05	2.14E-06
333	742886.06	4109417.22	4.52E-04	8.23E-04	4.52E-05	7.01E-05	1.35E-04	6.78E-06	6.82E-05	1.16E-04	8.61E-06	3.87E-05	6.41E-05	2.12E-06
334	742872.51	4109396.86	4.45E-04	8.12E-04	4.46E-05	6.91E-05	1.33E-04	6.69E-06	6.72E-05	1.15E-04	8.49E-06	3.82E-05	6.32E-05	2.09E-06
335	742858.96	4109376.5	4.36E-04	7.95E-04	4.37E-05	6.77E-05	1.30E-04	6.55E-06	6.58E-05	1.12E-04	8.31E-06	3.74E-05	6.19E-05	2.05E-06
336	742845.42	4109356.14	4.25E-04	7.75E-04	4.25E-05	6.59E-05	1.27E-04	6.38E-06	6.41E-05	1.09E-04	8.10E-06	3.64E-05	6.03E-05	2.00E-06
337	742831.87	4109335.78	4.13E-04	7.52E-04	4.13E-05	6.40E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.86E-06	3.54E-05	5.85E-05	1.94E-06
338	743111.42	4109411.41	3.18E-04	5.79E-04	3.18E-05	4.93E-05	9.49E-05	4.77E-06	4.79E-05	8.17E-05	6.05E-06	2.72E-05	4.50E-05	1.49E-06
339	743116.08	4109434.96	3.14E-04	5.72E-04	3.14E-05	4.86E-05	9.37E-05	4.71E-06	4.73E-05	8.06E-05	5.98E-06	2.69E-05	4.45E-05	1.47E-06
340	743120.74	4109458.5	3.07E-04	5.60E-04	3.08E-05	4.77E-05	9.18E-05	4.61E-06	4.63E-05	7.90E-05	5.86E-06	2.63E-05	4.36E-05	1.44E-06
341	743125.4	4109482.04	2.99E-04	5.44E-04	2.99E-05	4.63E-05	8.92E-05	4.48E-06	4.50E-05	7.68E-05	5.69E-06	2.56E-05	4.23E-05	1.40E-06
342	743130.06	4109505.58	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.61E-05	4.33E-06	4.35E-05	7.41E-05	5.49E-06	2.47E-05	4.09E-05	1.35E-06
343	743134.72	4109529.13	2.77E-04	5.04E-04	2.77E-05	4.29E-05	8.26E-05	4.15E-06	4.17E-05	7.11E-05	5.27E-06	2.37E-05	3.92E-05	1.30E-06
344	743139.38	4109552.67	2.64E-04	4.81E-04	2.64E-05	4.10E-05	7.89E-05	3.97E-06	3.98E-05	6.79E-05	5.04E-06	2.26E-05	3.75E-05	1.24E-06
345	743144.04	4109576.21	2.52E-04	4.60E-04	2.53E-05	3.91E-05	7.54E-05	3.79E-06	3.81E-05	6.49E-05	4.81E-06	2.16E-05	3.58E-05	1.19E-06
346	743148.7	4109599.75	2.42E-04	4.41E-04	2.42E-05	3.75E-05	7.23E-05	3.63E-06	3.65E-05	6.22E-05	4.61E-06	2.07E-05	3.43E-05	1.14E-06
347	743153.36	4109623.3	2.33E-04	4.25E-04	2.33E-05	3.62E-05	6.96E-05	3.50E-06	3.52E-05	5.99E-05	4.44E-06	2.00E-05	3.31E-05	1.10E-06
348	743158.02	4109646.84	2.26E-04	4.13E-04	2.27E-05	3.51E-05	6.76E-05	3.40E-06	3.41E-05	5.82E-05	4.31E-06	1.94E-05	3.21E-05	1.06E-06
349	743162.68	4109670.38	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.32E-06	3.34E-05	5.69E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
350	743167.34	4109693.92	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.52E-05	3.27E-06	3.29E-05	5.61E-05	4.16E-06	1.87E-05	3.09E-05	1.02E-06
351	743171.99	4109717.47	2.15E-04	3.93E-04	2.16E-05	3.34E-05	6.44E-05	3.23E-06	3.25E-05	5.54E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06

352	743176.65	4109741.01	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.20E-06	3.21E-05	5.48E-05	4.06E-06	1.83E-05	3.02E-05	1.00E-06
353	743181.31	4109764.55	2.10E-04	3.83E-04	2.10E-05	3.26E-05	6.27E-05	3.15E-06	3.17E-05	5.40E-05	4.00E-06	1.80E-05	2.98E-05	9.87E-07
354	743185.97	4109788.09	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
355	743190.63	4109811.64	2.00E-04	3.65E-04	2.01E-05	3.11E-05	5.99E-05	3.01E-06	3.02E-05	5.15E-05	3.82E-06	1.72E-05	2.84E-05	9.42E-07
356	743195.29	4109835.18	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.91E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.12E-07
357	743199.95	4109858.72	1.87E-04	3.41E-04	1.87E-05	2.90E-05	5.59E-05	2.81E-06	2.82E-05	4.81E-05	3.56E-06	1.60E-05	2.65E-05	8.79E-07
358	743204.61	4109882.26	1.80E-04	3.27E-04	1.80E-05	2.78E-05	5.36E-05	2.70E-06	2.71E-05	4.62E-05	3.42E-06	1.54E-05	2.55E-05	8.44E-07
359	743209.27	4109905.81	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.60E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.09E-07
360	743213.93	4109929.35	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.75E-07
361	743218.59	4109952.89	1.58E-04	2.89E-04	1.58E-05	2.46E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.25E-05	7.44E-07
362	743223.25	4109976.43	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
363	743227.91	4109999.98	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.39E-05	2.21E-06	2.22E-05	3.78E-05	2.80E-06	1.26E-05	2.08E-05	6.91E-07
364	743232.57	4110023.52	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.25E-05	2.13E-06	2.14E-05	3.65E-05	2.71E-06	1.22E-05	2.02E-05	6.68E-07
365	743237.23	4110047.06	1.38E-04	2.51E-04	1.38E-05	2.14E-05	4.12E-05	2.07E-06	2.08E-05	3.54E-05	2.63E-06	1.18E-05	1.95E-05	6.48E-07
366	743241.89	4110070.6	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.45E-05	2.55E-06	1.15E-05	1.90E-05	6.30E-07
367	743246.55	4110094.14	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.90E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.14E-07
368	743251.2	4110117.69	1.27E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	5.99E-07
369	743255.86	4110141.23	1.25E-04	2.27E-04	1.25E-05	1.93E-05	3.73E-05	1.87E-06	1.88E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.86E-07
370	743260.52	4110164.77	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
371	743265.18	4110188.31	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.64E-07
372	743256.53	4110231.82	1.19E-04	2.18E-04	1.20E-05	1.85E-05	3.57E-05	1.79E-06	1.80E-05	3.07E-05	2.28E-06	1.02E-05	1.69E-05	5.61E-07
373	743243.21	4110251.79	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.11E-05	2.30E-06	1.04E-05	1.71E-05	5.68E-07
374	743229.9	4110271.76	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.75E-07
375	743216.58	4110291.73	1.24E-04	2.25E-04	1.24E-05	1.92E-05	3.69E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.80E-07
376	743203.27	4110311.69	1.24E-04	2.27E-04	1.25E-05	1.93E-05	3.72E-05	1.87E-06	1.88E-05	3.20E-05	2.37E-06	1.07E-05	1.77E-05	5.85E-07
377	743189.96	4110331.66	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
378	743176.64	4110351.63	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.39E-06	1.07E-05	1.78E-05	5.89E-07
379	743163.33	4110371.59	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
380	743150.01	4110391.56	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
381	743136.7	4110411.53	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
382	743123.38	4110431.5	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.72E-07
383	743110.07	4110451.46	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.58E-05	1.80E-06	1.81E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.63E-07
384	743096.76	4110471.43	1.18E-04	2.15E-04	1.18E-05	1.83E-05	3.52E-05	1.77E-06	1.78E-05	3.03E-05	2.24E-06	1.01E-05	1.67E-05	5.53E-07
385	743083.44	4110491.4	1.15E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.89E-06	1.64E-05	5.43E-07
386	743070.13	4110511.36	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.37E-05	1.70E-06	1.70E-05	2.90E-05	2.15E-06	9.68E-06	1.60E-05	5.31E-07
387	743056.81	4110531.33	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.67E-05	2.84E-05	2.10E-06	9.46E-06	1.57E-05	5.19E-07
388	743043.5	4110551.3	1.08E-04	1.97E-04	1.08E-05	1.67E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.25E-06	1.53E-05	5.08E-07
389	743030.18	4110571.27	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.07E-06	1.50E-05	4.97E-07
390	743016.87	4110591.23	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
391	743003.56	4110611.2	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.06E-05	1.54E-06	1.54E-05	2.63E-05	1.95E-06	8.77E-06	1.45E-05	4.81E-07
392	742990.24	4110631.17	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
393	742976.93	4110651.13	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.57E-06	1.42E-05	4.70E-07
394	742963.61	4110671.1	9.92E-05	1.81E-04	9.93E-06	1.54E-05	2.96E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.50E-06	1.41E-05	4.66E-07
395	742950.3	4110691.07	9.85E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
396	742936.98	4110711.03	9.77E-05	1.78E-04	9.77E-06	1.51E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.38E-05	4.59E-07
397	742923.67	4110731	9.68E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
398	742910.36	4110750.97	9.56E-05	1.74E-04	9.57E-06	1.48E-05	2.86E-05	1.43E-06	1.44E-05	2.46E-05	1.82E-06	8.19E-06	1.36E-05	4.49E-07
399	742897.04	4110770.94	9.42E-05	1.72E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.07E-06	1.34E-05	4.43E-07
400	742883.73	4110790.9	9.24E-05	1.68E-04	9.25E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.38E-05	1.76E-06	7.92E-06	1.31E-05	4.34E-07
401	742870.41	4110810.87	9.04E-05	1.65E-04	9.05E-06	1.40E-05	2.70E-05	1.36E-06	1.36E-05	2.32E-05	1.72E-06	7.75E-06	1.28E-05	4.25E-07
402	742857.1	4110830.84	8.82E-05	1.61E-04	8.82E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
403	742843.78	4110850.8	8.58E-05	1.56E-04	8.59E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.21E-05	1.64E-06	7.35E-06	1.22E-05	4.03E-07
404	742830.47	4110870.77	8.33E-05	1.52E-04	8.34E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.14E-06	1.18E-05	3.92E-07
405	742817.16	4110890.74	8.08E-05	1.47E-04	8.09E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
406	743106.76	4109387.87	3.19E-04	5.82E-04	3.20E-05	4.95E-05	9.54E-05	4.79E-06	4.82E-05	8.21E-05	6.09E-06	2.74E-05	4.53E-05	1.50E-06
407	743093.21	4109367.51	3.24E-04	5.90E-04	3.24E-05	5.02E-05	9.67E-05	4.86E-06	4.88E-05	8.32E-05	6.17E-06	2.77E-05	4.59E-05	1.52E-06
408	743079.67	4109347.15	3.26E-04	5.94E-04	3.26E-05	5.05E-05	9.74E-05	4.89E-06	4.92E-05	8.38E-05	6.21E-06	2.79E-05	4.62E-05	1.53E-06
409	743066.12	4109326.79	3.26E-04	5.94E-04	3.26E-05	5.06E-05	9.74E-05	4.89E-06	4.92E-05	8.38E-05	6.21E-06	2.79E-05	4.62E-05	1.53E-06
410	743052.57	4109306.43	3.24E-04	5.90E-04	3.24E-05	5.03E-05	9.68E-05	4.86E-06	4.89E-05	8.33E-05	6.17E-06	2.78E-05	4.59E-05	1.52E-06
411	743039.02	4109286.07	3.20E-04	5.84E-04	3.21E-05	4.97E-05	9.57E-05	4.81E-06	4.83E-05	8.23E-05	6.10E-06	2.74E-05	4.54E-05	1.51E-06
412	743025.47	4109265.7	3.15E-04	5.74E-04	3.15E-05	4.89E-05	9.42E-05	4.73E-06	4.75E-05	8.10E-05	6.01E-06	2.70E-05	4.47E-05	1.48E-06
413	743011.92	4109245.34	3.09E-04	5.63E-04	3.09E-05	4.79E-05	9.23E-05	4.64E-06	4.66E-05	7.94E-05	5.89E-06	2.65E-05	4.38E-05	1.45E-06
414	742998.37	4109224.98	3.02E-04	5.50E-04	3.02E-05	4.68E-05	9.02E-05	4.53E-06	4.55E-05	7.76E-05	5.75E-06	2.59E-05	4.28E-05	1.42E-06
415	743277.97	4109300.83	2.44E-04	4.45E-04	2.44E-05	3.79E-05	7.29E-05	3.66E-06	3.68E-05	6.28E-05	4.65E-06	2.09E-05	3.46E-05	1.15E-06
416	743282.67	4109324.58	2.43E-04	4.42E-04	2.43E-05	3.76E-05	7.25E-05	3.64E-06	3.66E-05	6.24E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
417	743287.37	4109348.33	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.61E-05	6.16E-05	4.57E-06	2.05E-05	3.40E-05	1.13E-06
418	743292.07	4109372.08	2.35E-04	4.29E-04	2.35E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.48E-06	2.02E-05	3.33E-05	1.11E-06
419	743296.77	4109395.83	2.29E-04	4.18E-04	2.29E-05	3.56E-05	6.85E-05	3.44E-06	3.46E-05	5.89E-05	4.37E-06	1.96E-05	3.25E-05	1.08E-06
420	743301.47	4109419.58	2.22E-04	4.05E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.71E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
421	743306.17	4109443.33	2.14E-04	3.90E-04	2.14E-05	3.32E-05	6.39E-05	3.21E-06	3.22E-05	5.50E-05	4.08E-06	1.83E-05	3.03E-05	1.00E-06
422	743310.87	4109467.09	2.05E-04	3.74E-04	2.05E-05	3.18E-05	6.13E-05	3.08E-06	3.09E-05	5.27E-05	3.91E-06	1.76E-05	2.91E-05	9.64E-07

423	743315.58	4109490.84	1.96E-04	3.58E-04	1.97E-05	3.05E-05	5.87E-05	2.95E-06	2.96E-05	5.05E-05	3.74E-06	1.68E-05	2.79E-05	9.23E-07
424	743320.28	4109514.59	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.63E-05	2.83E-06	2.84E-05	4.84E-05	3.59E-06	1.61E-05	2.67E-05	8.85E-07
425	743324.98	4109538.34	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.51E-07
426	743329.68	4109562.09	1.75E-04	3.19E-04	1.75E-05	2.71E-05	5.22E-05	2.63E-06	2.64E-05	4.50E-05	3.33E-06	1.50E-05	2.48E-05	8.22E-07
427	743334.38	4109585.84	1.70E-04	3.10E-04	1.70E-05	2.64E-05	5.09E-05	2.56E-06	2.57E-05	4.38E-05	3.24E-06	1.46E-05	2.41E-05	8.00E-07
428	743339.08	4109609.59	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
429	743343.78	4109633.34	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.15E-06	1.41E-05	2.34E-05	7.76E-07
430	743348.48	4109657.1	1.64E-04	2.99E-04	1.64E-05	2.54E-05	4.90E-05	2.46E-06	2.47E-05	4.21E-05	3.12E-06	1.40E-05	2.32E-05	7.70E-07
431	743353.18	4109680.85	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.87E-05	2.45E-06	2.46E-05	4.19E-05	3.11E-06	1.40E-05	2.31E-05	7.66E-07
432	743357.88	4109704.6	1.62E-04	2.96E-04	1.62E-05	2.52E-05	4.85E-05	2.43E-06	2.45E-05	4.17E-05	3.09E-06	1.39E-05	2.30E-05	7.62E-07
433	743362.58	4109728.35	1.61E-04	2.93E-04	1.61E-05	2.49E-05	4.81E-05	2.41E-06	2.43E-05	4.14E-05	3.07E-06	1.38E-05	2.28E-05	7.56E-07
434	743367.28	4109752.1	1.59E-04	2.89E-04	1.59E-05	2.46E-05	4.74E-05	2.38E-06	2.39E-05	4.08E-05	3.02E-06	1.36E-05	2.25E-05	7.46E-07
435	743371.98	4109775.85	1.56E-04	2.83E-04	1.56E-05	2.41E-05	4.65E-05	2.33E-06	2.35E-05	4.00E-05	2.96E-06	1.33E-05	2.21E-05	7.31E-07
436	743376.68	4109799.6	1.52E-04	2.76E-04	1.52E-05	2.35E-05	4.53E-05	2.28E-06	2.29E-05	3.90E-05	2.89E-06	1.30E-05	2.15E-05	7.13E-07
437	743381.39	4109823.35	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.39E-05	2.21E-06	2.22E-05	3.78E-05	2.80E-06	1.26E-05	2.08E-05	6.91E-07
438	743386.09	4109847.11	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.24E-05	2.13E-06	2.14E-05	3.65E-05	2.71E-06	1.22E-05	2.01E-05	6.67E-07
439	743390.79	4109870.86	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
440	743395.49	4109894.61	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
441	743400.19	4109918.36	1.27E-04	2.31E-04	1.27E-05	1.97E-05	3.79E-05	1.90E-06	1.91E-05	3.26E-05	2.42E-06	1.09E-05	1.80E-05	5.96E-07
442	743404.89	4109942.11	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
443	743409.59	4109965.86	1.18E-04	2.15E-04	1.18E-05	1.83E-05	3.53E-05	1.77E-06	1.78E-05	3.04E-05	2.25E-06	1.01E-05	1.67E-05	5.55E-07
444	743414.29	4109989.61	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.42E-05	1.72E-06	1.72E-05	2.94E-05	2.18E-06	9.80E-06	1.62E-05	5.38E-07
445	743418.99	4110013.36	1.11E-04	2.03E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.68E-05	2.86E-05	2.12E-06	9.52E-06	1.58E-05	5.22E-07
446	743423.69	4110037.12	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.27E-06	1.53E-05	5.08E-07
447	743428.39	4110060.87	1.06E-04	1.92E-04	1.06E-05	1.64E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.05E-06	1.50E-05	4.96E-07
448	743433.09	4110084.62	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
449	743437.79	4110108.37	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.65E-06	1.43E-05	4.74E-07
450	743442.5	4110132.12	9.90E-05	1.80E-04	9.90E-06	1.53E-05	2.96E-05	1.49E-06	1.49E-05	2.54E-05	1.89E-06	8.48E-06	1.40E-05	4.65E-07
451	743447.2	4110155.87	9.71E-05	1.77E-04	9.72E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.50E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
452	743451.9	4110179.62	9.54E-05	1.74E-04	9.55E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.18E-06	1.35E-05	4.48E-07
453	743456.6	4110203.37	9.39E-05	1.71E-04	9.40E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.41E-05	1.79E-06	8.05E-06	1.33E-05	4.41E-07
454	743461.3	4110227.13	9.26E-05	1.69E-04	9.26E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
455	743452.57	4110271.02	9.23E-05	1.68E-04	9.24E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.37E-05	1.76E-06	7.91E-06	1.31E-05	4.34E-07
456	743439.13	4110291.16	9.34E-05	1.70E-04	9.34E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.00E-06	1.32E-05	4.39E-07
457	743425.7	4110311.31	9.45E-05	1.72E-04	9.46E-06	1.47E-05	2.82E-05	1.42E-06	1.43E-05	2.43E-05	1.80E-06	8.10E-06	1.34E-05	4.44E-07
458	743412.27	4110331.45	9.57E-05	1.74E-04	9.57E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
459	743398.84	4110351.6	9.68E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
460	743385.4	4110371.74	9.77E-05	1.78E-04	9.78E-06	1.52E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.39E-05	4.59E-07
461	743371.97	4110391.89	9.85E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
462	743358.54	4110412.03	9.89E-05	1.80E-04	9.89E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.47E-06	1.40E-05	4.65E-07
463	743345.11	4110432.17	9.89E-05	1.80E-04	9.90E-06	1.53E-05	2.96E-05	1.49E-06	1.49E-05	2.54E-05	1.89E-06	8.48E-06	1.40E-05	4.65E-07
464	743331.67	4110452.32	9.86E-05	1.80E-04	9.87E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.45E-06	1.40E-05	4.63E-07
465	743318.24	4110472.46	9.79E-05	1.78E-04	9.80E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.39E-06	1.39E-05	4.60E-07
466	743304.81	4110492.61	9.69E-05	1.77E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
467	743291.38	4110512.75	9.55E-05	1.74E-04	9.56E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.46E-05	1.82E-06	8.18E-06	1.35E-05	4.49E-07
468	743277.95	4110532.9	9.39E-05	1.71E-04	9.39E-06	1.46E-05	2.80E-05	1.41E-06	1.42E-05	2.41E-05	1.79E-06	8.04E-06	1.33E-05	4.41E-07
469	743264.51	4110553.04	9.20E-05	1.68E-04	9.21E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.75E-06	7.89E-06	1.30E-05	4.33E-07
470	743251.08	4110573.18	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.72E-06	1.28E-05	4.23E-07
471	743237.65	4110593.33	8.80E-05	1.60E-04	8.81E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
472	743224.22	4110613.47	8.60E-05	1.57E-04	8.60E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.37E-06	1.22E-05	4.04E-07
473	743210.78	4110633.62	8.40E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.20E-06	1.19E-05	3.95E-07
474	743197.35	4110653.76	8.23E-05	1.50E-04	8.23E-06	1.28E-05	2.46E-05	1.23E-06	1.24E-05	2.12E-05	1.57E-06	7.05E-06	1.17E-05	3.87E-07
475	743183.92	4110673.9	8.08E-05	1.47E-04	8.08E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
476	743170.49	4110694.05	7.96E-05	1.45E-04	7.96E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
477	743157.05	4110714.19	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
478	743143.62	4110734.34	7.81E-05	1.42E-04	7.82E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.67E-07
479	743130.19	4110754.48	7.78E-05	1.42E-04	7.79E-06	1.21E-05	2.33E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.67E-06	1.10E-05	3.66E-07
480	743116.76	4110774.63	7.77E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
481	743103.32	4110794.77	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
482	743089.89	4110814.91	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
483	743076.46	4110835.06	7.75E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
484	743063.03	4110855.2	7.73E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.47E-06	6.62E-06	1.10E-05	3.63E-07
485	743049.59	4110875.35	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
486	743036.16	4110895.49	7.60E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.95E-05	1.45E-06	6.51E-06	1.08E-05	3.57E-07
487	743022.73	4110915.64	7.50E-05	1.37E-04	7.51E-06	1.16E-05	2.24E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.43E-06	1.06E-05	3.53E-07
488	743009.3	4110935.78	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
489	742995.86	4110955.92	7.23E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
490	742982.43	4110976.07	7.06E-05	1.29E-04	7.07E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.05E-06	1.00E-05	3.32E-07
491	742969	4110996.21	6.88E-05	1.25E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.76E-06	3.23E-07
492	742955.57	4111016.36	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
493	742942.13	4111036.5	6.48E-05	1.18E-04	6.48E-06	1.00E-05	1.94E-05	9.72E-07	9.77E-06	1.67E-05	1.23E-06	5.55E-06	9.19E-06	3.04E-07

494	742928.7	4111056.64	6.26E-05	1.14E-04	6.26E-06	9.71E-06	1.87E-05	9.39E-07	9.44E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
495	743273.27	4109277.08	2.44E-04	4.45E-04	2.44E-05	3.78E-05	7.29E-05	3.66E-06	3.68E-05	6.27E-05	4.65E-06	2.09E-05	3.46E-05	1.15E-06
496	743259.72	4109256.71	2.46E-04	4.48E-04	2.46E-05	3.81E-05	7.34E-05	3.69E-06	3.70E-05	6.31E-05	4.68E-06	2.11E-05	3.48E-05	1.15E-06
497	743246.17	4109236.35	2.46E-04	4.49E-04	2.47E-05	3.82E-05	7.36E-05	3.70E-06	3.72E-05	6.34E-05	4.70E-06	2.11E-05	3.49E-05	1.16E-06
498	743232.62	4109215.99	2.46E-04	4.49E-04	2.46E-05	3.82E-05	7.36E-05	3.70E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
499	743219.07	4109195.63	2.45E-04	4.46E-04	2.45E-05	3.80E-05	7.32E-05	3.68E-06	3.69E-05	6.30E-05	4.67E-06	2.10E-05	3.47E-05	1.15E-06
500	743205.52	4109175.27	2.43E-04	4.42E-04	2.43E-05	3.76E-05	7.25E-05	3.64E-06	3.66E-05	6.24E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
501	743191.98	4109154.91	2.39E-04	4.36E-04	2.40E-05	3.71E-05	7.15E-05	3.59E-06	3.61E-05	6.15E-05	4.56E-06	2.05E-05	3.39E-05	1.12E-06
502	743178.43	4109134.55	2.35E-04	4.29E-04	2.36E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
503	743164.88	4109114.19	2.31E-04	4.21E-04	2.31E-05	3.58E-05	6.90E-05	3.47E-06	3.48E-05	5.94E-05	4.40E-06	1.98E-05	3.27E-05	1.09E-06
504	743444.51	4109190.19	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.91E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.13E-07
505	743449.24	4109214.09	1.94E-04	3.53E-04	1.94E-05	3.00E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.10E-07
506	743453.97	4109238	1.92E-04	3.50E-04	1.92E-05	2.98E-05	5.74E-05	2.89E-06	2.90E-05	4.94E-05	3.66E-06	1.65E-05	2.73E-05	9.04E-07
507	743458.7	4109261.91	1.90E-04	3.46E-04	1.90E-05	2.94E-05	5.67E-05	2.85E-06	2.86E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.92E-07
508	743463.43	4109285.81	1.87E-04	3.40E-04	1.87E-05	2.89E-05	5.57E-05	2.80E-06	2.81E-05	4.80E-05	3.56E-06	1.60E-05	2.65E-05	8.77E-07
509	743468.16	4109309.72	1.83E-04	3.33E-04	1.83E-05	2.83E-05	5.46E-05	2.74E-06	2.75E-05	4.70E-05	3.48E-06	1.57E-05	2.59E-05	8.58E-07
510	743472.9	4109333.63	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.36E-07
511	743477.63	4109357.53	1.72E-04	3.13E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.59E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.08E-07
512	743482.36	4109381.44	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.78E-07
513	743487.09	4109405.35	1.59E-04	2.90E-04	1.59E-05	2.47E-05	4.76E-05	2.39E-06	2.40E-05	4.09E-05	3.03E-06	1.36E-05	2.26E-05	7.48E-07
514	743491.82	4109429.25	1.53E-04	2.79E-04	1.53E-05	2.37E-05	4.57E-05	2.30E-06	2.31E-05	3.93E-05	2.91E-06	1.31E-05	2.17E-05	7.19E-07
515	743496.55	4109453.16	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.78E-05	2.80E-06	1.26E-05	2.09E-05	6.91E-07
516	743501.28	4109477.07	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.24E-05	2.13E-06	2.14E-05	3.65E-05	2.70E-06	1.22E-05	2.01E-05	6.67E-07
517	743506.02	4109500.97	1.38E-04	2.51E-04	1.38E-05	2.13E-05	4.11E-05	2.06E-06	2.07E-05	3.53E-05	2.62E-06	1.18E-05	1.95E-05	6.46E-07
518	743510.75	4109524.88	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.30E-07
519	743515.48	4109548.79	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
520	743520.21	4109572.69	1.30E-04	2.37E-04	1.30E-05	2.02E-05	3.89E-05	1.96E-06	1.97E-05	3.35E-05	2.48E-06	1.12E-05	1.85E-05	6.12E-07
521	743524.94	4109596.6	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.95E-06	1.96E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
522	743529.67	4109620.51	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
523	743534.4	4109644.41	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
524	743539.14	4109668.32	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
525	743543.87	4109692.23	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.93E-06	1.94E-05	3.31E-05	2.45E-06	1.10E-05	1.83E-05	6.05E-07
526	743548.6	4109716.13	1.28E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	6.00E-07
527	743553.33	4109740.04	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.75E-05	1.89E-06	1.89E-05	3.23E-05	2.39E-06	1.08E-05	1.78E-05	5.90E-07
528	743558.06	4109763.95	1.23E-04	2.24E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.16E-05	2.34E-06	1.05E-05	1.74E-05	5.78E-07
529	743562.79	4109787.85	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.58E-05	1.80E-06	1.81E-05	3.08E-05	2.29E-06	1.03E-05	1.70E-05	5.64E-07
530	743567.53	4109811.76	1.16E-04	2.12E-04	1.16E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	2.99E-05	2.22E-06	9.97E-06	1.65E-05	5.47E-07
531	743572.26	4109835.67	1.13E-04	2.05E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.65E-06	1.60E-05	5.29E-07
532	743576.99	4109859.57	1.09E-04	1.98E-04	1.09E-05	1.69E-05	3.25E-05	1.63E-06	1.64E-05	2.80E-05	2.07E-06	9.33E-06	1.54E-05	5.12E-07
533	743581.72	4109883.48	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.59E-05	2.70E-05	2.00E-06	9.01E-06	1.49E-05	4.94E-07
534	743586.45	4109907.39	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.94E-06	8.70E-06	1.44E-05	4.77E-07
535	743591.18	4109931.29	9.83E-05	1.79E-04	9.83E-06	1.52E-05	2.94E-05	1.47E-06	1.48E-05	2.53E-05	1.87E-06	8.42E-06	1.39E-05	4.62E-07
536	743595.91	4109955.2	9.52E-05	1.74E-04	9.53E-06	1.48E-05	2.84E-05	1.43E-06	1.44E-05	2.45E-05	1.81E-06	8.16E-06	1.35E-05	4.48E-07
537	743600.65	4109979.11	9.25E-05	1.69E-04	9.25E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
538	743605.38	4110003.02	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.72E-06	1.28E-05	4.23E-07
539	743610.11	4110026.92	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
540	743614.84	4110050.83	8.59E-05	1.57E-04	8.60E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
541	743619.57	4110074.74	8.42E-05	1.53E-04	8.42E-06	1.31E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.96E-07
542	743624.3	4110098.64	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.12E-05	1.57E-06	7.08E-06	1.17E-05	3.88E-07
543	743629.04	4110122.55	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
544	743633.77	4110146.46	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
545	743638.5	4110170.36	7.85E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.18E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
546	743643.23	4110194.27	7.74E-05	1.41E-04	7.74E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.47E-06	6.63E-06	1.10E-05	3.64E-07
547	743647.96	4110218.18	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.54E-06	1.08E-05	3.58E-07
548	743652.69	4110242.08	7.53E-05	1.37E-04	7.53E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.93E-05	1.43E-06	6.45E-06	1.07E-05	3.54E-07
549	743657.42	4110265.99	7.43E-05	1.35E-04	7.44E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.37E-06	1.05E-05	3.49E-07
550	743648.64	4110310.17	7.42E-05	1.35E-04	7.42E-06	1.15E-05	2.22E-05	1.11E-06	1.12E-05	1.91E-05	1.41E-06	6.36E-06	1.05E-05	3.49E-07
551	743635.12	4110330.45	7.50E-05	1.37E-04	7.50E-06	1.16E-05	2.24E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.42E-06	1.06E-05	3.52E-07
552	743621.59	4110350.72	7.58E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.50E-06	1.08E-05	3.56E-07
553	743608.07	4110371	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
554	743594.55	4110391.28	7.78E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
555	743581.03	4110411.55	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
556	743567.51	4110431.83	7.96E-05	1.45E-04	7.96E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
557	743553.99	4110452.1	8.03E-05	1.46E-04	8.03E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.06E-05	1.53E-06	6.88E-06	1.14E-05	3.77E-07
558	743540.47	4110472.38	8.08E-05	1.47E-04	8.08E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
559	743526.95	4110492.66	8.10E-05	1.48E-04	8.11E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.81E-07
560	743513.43	4110512.93	8.10E-05	1.48E-04	8.10E-06	1.26E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.80E-07
561	743499.91	4110533.21	8.05E-05	1.47E-04	8.06E-06	1.25E-05	2.41E-05	1.21E-06	1.21E-05	2.07E-05	1.53E-06	6.90E-06	1.14E-05	3.78E-07
562	743486.39	4110553.49	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
563	743472.87	4110573.76	7.88E-05	1.44E-04	7.89E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.75E-06	1.12E-05	3.70E-07
564	743459.35	4110594.04	7.76E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07

565	743445.83	4110614.31	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
566	743432.31	4110634.59	7.45E-05	1.36E-04	7.45E-06	1.16E-05	2.23E-05	1.12E-06	1.12E-05	1.92E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
567	743418.79	4110654.87	7.28E-05	1.33E-04	7.29E-06	1.13E-05	2.18E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.24E-06	1.03E-05	3.42E-07
568	743405.27	4110675.14	7.11E-05	1.30E-04	7.12E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.09E-06	1.01E-05	3.34E-07
569	743391.75	4110695.42	6.95E-05	1.27E-04	6.95E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.95E-06	9.85E-06	3.27E-07
570	743378.23	4110715.69	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
571	743364.71	4110735.97	6.66E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.44E-06	3.13E-07
572	743351.19	4110756.25	6.53E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.81E-07	9.85E-06	1.68E-05	1.25E-06	5.60E-06	9.27E-06	3.07E-07
573	743337.67	4110776.52	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.70E-06	1.65E-05	1.23E-06	5.51E-06	9.13E-06	3.02E-07
574	743324.15	4110796.8	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.55E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.02E-06	2.99E-07
575	743310.63	4110817.07	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.96E-07
576	743297.11	4110837.35	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
577	743283.59	4110857.63	6.27E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.41E-07	9.46E-06	1.61E-05	1.20E-06	5.37E-06	8.89E-06	2.95E-07
578	743270.07	4110877.9	6.28E-05	1.14E-04	6.29E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
579	743256.55	4110898.18	6.30E-05	1.15E-04	6.31E-06	9.77E-06	1.88E-05	9.46E-07	9.51E-06	1.62E-05	1.20E-06	5.40E-06	8.94E-06	2.96E-07
580	743243.02	4110918.45	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
581	743229.5	4110938.73	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.58E-06	1.63E-05	1.21E-06	5.45E-06	9.01E-06	2.99E-07
582	743215.98	4110959.01	6.37E-05	1.16E-04	6.38E-06	9.88E-06	1.90E-05	9.57E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.04E-06	3.00E-07
583	743202.46	4110979.28	6.38E-05	1.16E-04	6.38E-06	9.90E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
584	743188.94	4110999.56	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
585	743175.42	4111019.83	6.34E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.52E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	8.99E-06	2.98E-07
586	743161.9	4111040.11	6.29E-05	1.15E-04	6.30E-06	9.76E-06	1.88E-05	9.45E-07	9.49E-06	1.62E-05	1.20E-06	5.39E-06	8.92E-06	2.96E-07
587	743148.38	4111060.39	6.22E-05	1.13E-04	6.23E-06	9.65E-06	1.86E-05	9.34E-07	9.39E-06	1.60E-05	1.19E-06	5.33E-06	8.83E-06	2.93E-07
588	743134.86	4111080.66	6.13E-05	1.12E-04	6.13E-06	9.51E-06	1.83E-05	9.20E-07	9.24E-06	1.58E-05	1.17E-06	5.25E-06	8.69E-06	2.88E-07
589	743121.34	4111100.94	6.01E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
590	743107.82	4111121.22	5.88E-05	1.07E-04	5.88E-06	9.12E-06	1.76E-05	8.83E-07	8.87E-06	1.51E-05	1.12E-06	5.04E-06	8.34E-06	2.76E-07
591	743094.3	4111141.49	5.73E-05	1.04E-04	5.73E-06	8.89E-06	1.71E-05	8.60E-07	8.64E-06	1.47E-05	1.09E-06	4.91E-06	8.12E-06	2.69E-07
592	743080.78	4111161.77	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.39E-06	1.43E-05	1.06E-06	4.77E-06	7.89E-06	2.61E-07
593	743067.26	4111182.04	5.38E-05	9.80E-05	5.38E-06	8.34E-06	1.61E-05	8.07E-07	8.11E-06	1.38E-05	1.02E-06	4.61E-06	7.63E-06	2.53E-07
594	743053.74	4111202.32	5.18E-05	9.44E-05	5.18E-06	8.03E-06	1.55E-05	7.78E-07	7.81E-06	1.33E-05	9.87E-07	4.44E-06	7.35E-06	2.43E-07
595	743040.22	4111222.6	4.97E-05	9.06E-05	4.98E-06	7.71E-06	1.49E-05	7.47E-07	7.50E-06	1.28E-05	9.48E-07	4.26E-06	7.05E-06	2.34E-07
596	743439.77	4109166.28	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.11E-07
597	743426.23	4109145.92	1.95E-04	3.55E-04	1.95E-05	3.02E-05	5.83E-05	2.93E-06	2.94E-05	5.01E-05	3.72E-06	1.67E-05	2.77E-05	9.17E-07
598	743412.68	4109125.56	1.95E-04	3.56E-04	1.96E-05	3.03E-05	5.84E-05	2.93E-06	2.95E-05	5.03E-05	3.73E-06	1.68E-05	2.77E-05	9.19E-07
599	743399.13	4109105.2	1.95E-04	3.56E-04	1.95E-05	3.03E-05	5.83E-05	2.93E-06	2.94E-05	5.02E-05	3.72E-06	1.67E-05	2.77E-05	9.18E-07
600	743385.58	4109084.83	1.94E-04	3.54E-04	1.95E-05	3.02E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.70E-06	1.67E-05	2.76E-05	9.14E-07
601	743372.03	4109064.47	1.93E-04	3.51E-04	1.93E-05	2.99E-05	5.76E-05	2.89E-06	2.91E-05	4.96E-05	3.68E-06	1.65E-05	2.73E-05	9.06E-07
602	743358.48	4109044.11	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.70E-05	2.86E-06	2.88E-05	4.90E-05	3.63E-06	1.63E-05	2.70E-05	8.96E-07
603	743344.93	4109023.75	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.62E-05	2.82E-06	2.84E-05	4.83E-05	3.58E-06	1.61E-05	2.67E-05	8.84E-07
604	743331.38	4109003.39	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.52E-05	2.77E-06	2.79E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.69E-07
605	743777.48	4108968.41	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.03E-06	2.04E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.35E-07
606	743782.18	4108992.13	1.35E-04	2.47E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.36E-07
607	743786.87	4109015.85	1.35E-04	2.47E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.36E-07
608	743791.57	4109039.57	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.03E-06	2.03E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.34E-07
609	743796.26	4109063.29	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.30E-07
610	743800.95	4109087.01	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
611	743805.65	4109110.73	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.15E-07
612	743810.34	4109134.45	1.28E-04	2.34E-04	1.28E-05	1.99E-05	3.83E-05	1.93E-06	1.93E-05	3.30E-05	2.45E-06	1.10E-05	1.82E-05	6.03E-07
613	743815.04	4109158.17	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.39E-06	1.07E-05	1.78E-05	5.89E-07
614	743819.73	4109181.89	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.14E-05	2.32E-06	1.05E-05	1.73E-05	5.73E-07
615	743824.43	4109205.62	1.18E-04	2.16E-04	1.18E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.04E-05	2.26E-06	1.01E-05	1.68E-05	5.56E-07
616	743829.12	4109229.34	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.42E-05	1.72E-06	1.73E-05	2.95E-05	2.18E-06	9.82E-06	1.62E-05	5.39E-07
617	743833.82	4109253.06	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.49E-06	1.57E-05	5.21E-07
618	743838.51	4109276.78	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.61E-05	2.75E-05	2.04E-06	9.17E-06	1.52E-05	5.03E-07
619	743843.21	4109300.5	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
620	743847.9	4109324.22	9.99E-05	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.70E-07
621	743852.6	4109347.94	9.68E-05	1.76E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.30E-06	1.37E-05	4.55E-07
622	743857.29	4109371.66	9.41E-05	1.71E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
623	743861.99	4109395.38	9.19E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
624	743866.68	4109419.1	9.01E-05	1.64E-04	9.02E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.72E-06	1.28E-05	4.24E-07
625	743871.38	4109442.82	8.90E-05	1.62E-04	8.90E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.62E-06	1.26E-05	4.18E-07
626	743876.07	4109466.54	8.84E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
627	743880.76	4109490.27	8.84E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
628	743885.46	4109513.99	8.87E-05	1.62E-04	8.88E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
629	743890.15	4109537.71	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
630	743894.85	4109561.43	8.98E-05	1.64E-04	8.98E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.69E-06	1.27E-05	4.22E-07
631	743899.54	4109585.15	9.02E-05	1.64E-04	9.02E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.73E-06	1.28E-05	4.24E-07
632	743904.24	4109608.87	9.03E-05	1.65E-04	9.03E-06	1.40E-05	2.70E-05	1.36E-06	1.36E-05	2.32E-05	1.72E-06	7.74E-06	1.28E-05	4.24E-07
633	743908.93	4109632.59	9.00E-05	1.64E-04	9.00E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.71E-06	1.28E-05	4.23E-07
634	743913.63	4109656.31	8.94E-05	1.63E-04	8.94E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.66E-06	1.27E-05	4.20E-07
635	743918.32	4109680.03	8.84E-05	1.61E-04	8.84E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07

636	743923.02	4109703.75	8.70E-05	1.59E-04	8.70E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.45E-06	1.23E-05	4.09E-07
637	743927.71	4109727.47	8.53E-05	1.55E-04	8.53E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.62E-06	7.31E-06	1.21E-05	4.01E-07
638	743932.41	4109751.19	8.33E-05	1.52E-04	8.33E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.14E-06	1.18E-05	3.91E-07
639	743937.1	4109774.91	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
640	743941.8	4109798.64	7.89E-05	1.44E-04	7.90E-06	1.22E-05	2.36E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.76E-06	1.12E-05	3.71E-07
641	743946.49	4109822.36	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
642	743951.19	4109846.08	7.45E-05	1.36E-04	7.45E-06	1.16E-05	2.23E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
643	743955.88	4109869.8	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
644	743960.58	4109893.52	7.03E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.97E-06	3.31E-07
645	743965.27	4109917.24	6.85E-05	1.25E-04	6.85E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.87E-06	9.71E-06	3.22E-07
646	743969.96	4109940.96	6.67E-05	1.22E-04	6.68E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.72E-06	9.46E-06	3.14E-07
647	743974.66	4109964.68	6.51E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
648	743979.35	4109988.4	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
649	743984.05	4110012.12	6.24E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.34E-06	8.84E-06	2.93E-07
650	743988.74	4110035.84	6.12E-05	1.12E-04	6.12E-06	9.49E-06	1.83E-05	9.18E-07	9.23E-06	1.57E-05	1.17E-06	5.24E-06	8.68E-06	2.88E-07
651	743993.44	4110059.56	6.01E-05	1.10E-04	6.01E-06	9.32E-06	1.80E-05	9.02E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.52E-06	2.83E-07
652	743998.13	4110083.29	5.91E-05	1.08E-04	5.92E-06	9.17E-06	1.77E-05	8.88E-07	8.92E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
653	744002.83	4110107.01	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
654	744007.52	4110130.73	5.75E-05	1.05E-04	5.76E-06	8.92E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.70E-07
655	744012.22	4110154.45	5.68E-05	1.04E-04	5.68E-06	8.81E-06	1.70E-05	8.53E-07	8.57E-06	1.46E-05	1.08E-06	4.87E-06	8.05E-06	2.67E-07
656	744016.91	4110178.17	5.61E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.81E-06	7.96E-06	2.64E-07
657	744021.61	4110201.89	5.55E-05	1.01E-04	5.55E-06	8.61E-06	1.66E-05	8.33E-07	8.37E-06	1.43E-05	1.06E-06	4.76E-06	7.87E-06	2.61E-07
658	744026.3	4110225.61	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.28E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
659	744031	4110249.33	5.43E-05	9.90E-05	5.44E-06	8.42E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.04E-06	4.65E-06	7.70E-06	2.55E-07
660	744035.69	4110273.05	5.38E-05	9.80E-05	5.38E-06	8.34E-06	1.61E-05	8.07E-07	8.11E-06	1.38E-05	1.02E-06	4.61E-06	7.62E-06	2.53E-07
661	744040.39	4110296.77	5.32E-05	9.70E-05	5.32E-06	8.25E-06	1.59E-05	7.99E-07	8.02E-06	1.37E-05	1.01E-06	4.56E-06	7.54E-06	2.50E-07
662	744045.08	4110320.49	5.27E-05	9.60E-05	5.27E-06	8.17E-06	1.57E-05	7.91E-07	7.94E-06	1.35E-05	1.00E-06	4.51E-06	7.47E-06	2.48E-07
663	744049.77	4110344.21	5.22E-05	9.51E-05	5.22E-06	8.09E-06	1.56E-05	7.83E-07	7.87E-06	1.34E-05	9.94E-07	4.47E-06	7.40E-06	2.45E-07
664	744041.05	4110388.05	5.20E-05	9.48E-05	5.21E-06	8.07E-06	1.55E-05	7.81E-07	7.85E-06	1.34E-05	9.92E-07	4.46E-06	7.38E-06	2.45E-07
665	744027.64	4110408.17	5.24E-05	9.55E-05	5.24E-06	8.13E-06	1.57E-05	7.87E-07	7.90E-06	1.35E-05	9.99E-07	4.49E-06	7.43E-06	2.46E-07
666	744014.22	4110428.29	5.29E-05	9.63E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.48E-07
667	744000.81	4110448.41	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.60E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.58E-06	7.57E-06	2.51E-07
668	743987.39	4110468.53	5.40E-05	9.84E-05	5.40E-06	8.38E-06	1.61E-05	8.11E-07	8.14E-06	1.39E-05	1.03E-06	4.63E-06	7.66E-06	2.54E-07
669	743973.98	4110488.65	5.47E-05	9.96E-05	5.47E-06	8.48E-06	1.63E-05	8.21E-07	8.25E-06	1.41E-05	1.04E-06	4.69E-06	7.75E-06	2.57E-07
670	743960.56	4110508.76	5.54E-05	1.01E-04	5.54E-06	8.59E-06	1.65E-05	8.31E-07	8.35E-06	1.42E-05	1.06E-06	4.74E-06	7.85E-06	2.60E-07
671	743947.15	4110528.88	5.61E-05	1.02E-04	5.61E-06	8.69E-06	1.67E-05	8.41E-07	8.45E-06	1.44E-05	1.07E-06	4.80E-06	7.95E-06	2.63E-07
672	743933.73	4110549	5.67E-05	1.03E-04	5.68E-06	8.80E-06	1.69E-05	8.51E-07	8.55E-06	1.46E-05	1.08E-06	4.86E-06	8.04E-06	2.67E-07
673	743920.32	4110569.12	5.73E-05	1.04E-04	5.74E-06	8.89E-06	1.71E-05	8.60E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.69E-07
674	743906.9	4110589.24	5.78E-05	1.05E-04	5.79E-06	8.97E-06	1.73E-05	8.68E-07	8.72E-06	1.49E-05	1.10E-06	4.96E-06	8.20E-06	2.72E-07
675	743893.49	4110609.36	5.82E-05	1.06E-04	5.82E-06	9.02E-06	1.74E-05	8.73E-07	8.77E-06	1.50E-05	1.11E-06	4.99E-06	8.25E-06	2.73E-07
676	743880.07	4110629.47	5.84E-05	1.06E-04	5.84E-06	9.05E-06	1.74E-05	8.76E-07	8.80E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
677	743866.66	4110649.59	5.83E-05	1.06E-04	5.84E-06	9.05E-06	1.74E-05	8.75E-07	8.80E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
678	743853.24	4110669.71	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
679	743839.83	4110689.83	5.77E-05	1.05E-04	5.77E-06	8.94E-06	1.72E-05	8.65E-07	8.69E-06	1.48E-05	1.10E-06	4.94E-06	8.17E-06	2.71E-07
680	743826.41	4110709.95	5.70E-05	1.04E-04	5.71E-06	8.84E-06	1.70E-05	8.56E-07	8.60E-06	1.47E-05	1.09E-06	4.89E-06	8.08E-06	2.68E-07
681	743813	4110730.07	5.62E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.82E-06	7.97E-06	2.64E-07
682	743799.58	4110750.18	5.52E-05	1.01E-04	5.52E-06	8.56E-06	1.65E-05	8.29E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.83E-06	2.59E-07
683	743786.17	4110770.3	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
684	743772.75	4110790.42	5.29E-05	9.64E-05	5.30E-06	8.21E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
685	743759.34	4110810.54	5.17E-05	9.42E-05	5.17E-06	8.02E-06	1.55E-05	7.76E-07	7.80E-06	1.33E-05	9.86E-07	4.43E-06	7.33E-06	2.43E-07
686	743745.92	4110830.66	5.05E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
687	743732.5	4110850.78	4.94E-05	9.01E-05	4.95E-06	7.66E-06	1.48E-05	7.42E-07	7.45E-06	1.27E-05	9.42E-07	4.23E-06	7.01E-06	2.32E-07
688	743719.09	4110870.89	4.84E-05	8.82E-05	4.84E-06	7.50E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
689	743705.67	4110891.01	4.74E-05	8.64E-05	4.75E-06	7.36E-06	1.42E-05	7.12E-07	7.15E-06	1.22E-05	9.04E-07	4.07E-06	6.73E-06	2.23E-07
690	743692.26	4110911.13	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
691	743678.84	4110931.25	4.59E-05	8.37E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
692	743665.43	4110951.37	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
693	743652.01	4110971.49	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.77E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
694	743638.6	4110991.6	4.45E-05	8.11E-05	4.45E-06	6.90E-06	1.33E-05	6.68E-07	6.71E-06	1.14E-05	8.48E-07	3.81E-06	6.31E-06	2.09E-07
695	743625.18	4111011.72	4.43E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
696	743611.77	4111031.84	4.41E-05	8.04E-05	4.41E-06	6.84E-06	1.32E-05	6.62E-07	6.65E-06	1.13E-05	8.40E-07	3.78E-06	6.25E-06	2.07E-07
697	743598.35	4111051.96	4.40E-05	8.02E-05	4.41E-06	6.83E-06	1.32E-05	6.61E-07	6.64E-06	1.13E-05	8.39E-07	3.77E-06	6.24E-06	2.07E-07
698	743584.94	4111072.08	4.41E-05	8.03E-05	4.41E-06	6.83E-06	1.32E-05	6.61E-07	6.65E-06	1.13E-05	8.40E-07	3.78E-06	6.25E-06	2.07E-07
699	743571.52	4111092.2	4.42E-05	8.05E-05	4.42E-06	6.85E-06	1.32E-05	6.63E-07	6.66E-06	1.14E-05	8.42E-07	3.78E-06	6.26E-06	2.08E-07
700	743558.11	4111112.31	4.44E-05	8.08E-05	4.44E-06	6.88E-06	1.33E-05	6.66E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.09E-07
701	743544.69	4111132.43	4.46E-05	8.13E-05	4.46E-06	6.92E-06	1.33E-05	6.70E-07	6.73E-06	1.15E-05	8.50E-07	3.82E-06	6.33E-06	2.10E-07
702	743531.28	4111152.55	4.50E-05	8.19E-05	4.50E-06	6.97E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.85E-06	6.37E-06	2.11E-07
703	743517.86	4111172.67	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
704	743504.45	4111192.79	4.57E-05	8.33E-05	4.58E-06	7.09E-06	1.37E-05	6.86E-07	6.90E-06	1.18E-05	8.71E-07	3.92E-06	6.48E-06	2.15E-07
705	743491.03	4111212.91	4.61E-05	8.40E-05	4.61E-06	7.15E-06	1.38E-05	6.92E-07	6.95E-06	1.19E-05	8.79E-07	3.95E-06	6.54E-06	2.17E-07
706	743477.62	4111233.03	4.65E-05	8.47E-05	4.65E-06	7.21E-06	1.39E-05	6.97E-07	7.01E-06	1.19E-05	8.86E-07	3.98E-06	6.59E-06	2.18E-07

707	743464.2	4111253.14	4.68E-05	8.52E-05	4.68E-06	7.25E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.91E-07	4.01E-06	6.63E-06	2.20E-07
708	743450.79	4111273.26	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.03E-06	6.66E-06	2.21E-07
709	743437.37	4111293.38	4.71E-05	8.57E-05	4.71E-06	7.30E-06	1.41E-05	7.06E-07	7.10E-06	1.21E-05	8.97E-07	4.03E-06	6.67E-06	2.21E-07
710	743423.96	4111313.5	4.70E-05	8.56E-05	4.70E-06	7.29E-06	1.40E-05	7.05E-07	7.09E-06	1.21E-05	8.96E-07	4.03E-06	6.66E-06	2.21E-07
711	743410.54	4111333.62	4.68E-05	8.52E-05	4.68E-06	7.25E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.91E-07	4.01E-06	6.63E-06	2.20E-07
712	743397.12	4111353.74	4.63E-05	8.44E-05	4.64E-06	7.19E-06	1.38E-05	6.95E-07	6.99E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
713	743383.71	4111373.85	4.57E-05	8.33E-05	4.57E-06	7.09E-06	1.37E-05	6.86E-07	6.89E-06	1.18E-05	8.71E-07	3.92E-06	6.48E-06	2.15E-07
714	743370.29	4111393.97	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.55E-07	3.85E-06	6.36E-06	2.11E-07
715	743356.88	4111414.09	4.39E-05	7.99E-05	4.39E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
716	743343.46	4111434.21	4.26E-05	7.76E-05	4.26E-06	6.61E-06	1.27E-05	6.39E-07	6.43E-06	1.10E-05	8.12E-07	3.65E-06	6.04E-06	2.00E-07
717	743330.05	4111454.33	4.12E-05	7.51E-05	4.12E-06	6.39E-06	1.23E-05	6.18E-07	6.21E-06	1.06E-05	7.85E-07	3.53E-06	5.84E-06	1.94E-07
718	743316.63	4111474.45	3.97E-05	7.23E-05	3.97E-06	6.15E-06	1.19E-05	5.95E-07	5.98E-06	1.02E-05	7.56E-07	3.40E-06	5.62E-06	1.86E-07
719	743303.22	4111494.56	3.80E-05	6.93E-05	3.81E-06	5.90E-06	1.14E-05	5.71E-07	5.73E-06	9.78E-06	7.25E-07	3.26E-06	5.39E-06	1.79E-07
720	743289.8	4111514.68	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
721	743276.39	4111534.8	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.23E-06	8.92E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
722	743262.97	4111554.92	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.88E-06	4.97E-07	4.99E-06	8.51E-06	6.30E-07	2.84E-06	4.69E-06	1.55E-07
723	743772.79	4108944.69	1.34E-04	2.45E-04	1.35E-05	2.09E-05	4.02E-05	2.02E-06	2.03E-05	3.46E-05	2.56E-06	1.15E-05	1.91E-05	6.32E-07
724	743759.24	4108924.33	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.46E-05	2.57E-06	1.15E-05	1.91E-05	6.33E-07
725	743745.69	4108903.96	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.34E-07
726	743732.14	4108883.6	1.35E-04	2.45E-04	1.35E-05	2.09E-05	4.02E-05	2.02E-06	2.03E-05	3.46E-05	2.57E-06	1.15E-05	1.91E-05	6.33E-07
727	743718.59	4108863.24	1.34E-04	2.45E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.31E-07
728	743705.04	4108842.88	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.99E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
729	743691.49	4108822.52	1.32E-04	2.41E-04	1.32E-05	2.05E-05	3.95E-05	1.99E-06	2.00E-05	3.40E-05	2.52E-06	1.13E-05	1.88E-05	6.22E-07
730	743677.95	4108802.16	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.97E-06	1.97E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.15E-07
731	743664.4	4108781.8	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.08E-07
732	744110.53	4108747.02	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.77E-07
733	744115.27	4108770.95	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.79E-07
734	744120.01	4108794.88	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
735	744124.74	4108818.81	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.76E-06	1.45E-05	4.80E-07
736	744129.48	4108842.74	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
737	744134.21	4108866.67	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.79E-07
738	744138.95	4108890.6	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.67E-06	1.43E-05	4.76E-07
739	744143.69	4108914.53	1.00E-04	1.83E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.58E-05	1.91E-06	8.59E-06	1.42E-05	4.71E-07
740	744148.42	4108938.45	9.90E-05	1.80E-04	9.90E-06	1.53E-05	2.96E-05	1.49E-06	1.49E-05	2.54E-05	1.89E-06	8.48E-06	1.40E-05	4.65E-07
741	744153.16	4108962.38	9.74E-05	1.77E-04	9.74E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.50E-05	1.86E-06	8.34E-06	1.38E-05	4.58E-07
742	744157.89	4108986.31	9.55E-05	1.74E-04	9.55E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.18E-06	1.35E-05	4.49E-07
743	744162.63	4109010.24	9.33E-05	1.70E-04	9.34E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.00E-06	1.32E-05	4.39E-07
744	744167.36	4109034.17	9.10E-05	1.66E-04	9.10E-06	1.41E-05	2.72E-05	1.37E-06	1.37E-05	2.34E-05	1.73E-06	7.80E-06	1.29E-05	4.28E-07
745	744172.1	4109058.1	8.85E-05	1.61E-04	8.86E-06	1.37E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.59E-06	1.26E-05	4.16E-07
746	744176.84	4109082.03	8.61E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.37E-06	1.22E-05	4.04E-07
747	744181.57	4109105.96	8.35E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.93E-07
748	744186.31	4109129.89	8.10E-05	1.48E-04	8.11E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.81E-07
749	744191.04	4109153.81	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
750	744195.78	4109177.74	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.54E-06	1.08E-05	3.58E-07
751	744200.52	4109201.67	7.41E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.35E-06	1.05E-05	3.48E-07
752	744205.25	4109225.6	7.21E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
753	744209.99	4109249.53	7.02E-05	1.28E-04	7.03E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.81E-05	1.34E-06	6.02E-06	9.96E-06	3.30E-07
754	744214.72	4109273.46	6.87E-05	1.25E-04	6.87E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.74E-06	3.23E-07
755	744219.46	4109297.39	6.74E-05	1.23E-04	6.75E-06	1.05E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.56E-06	3.17E-07
756	744224.2	4109321.32	6.65E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
757	744228.93	4109345.25	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
758	744233.67	4109369.17	6.57E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.86E-07	9.91E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
759	744238.4	4109393.1	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
760	744243.14	4109417.03	6.61E-05	1.20E-04	6.61E-06	1.02E-05	1.97E-05	9.92E-07	9.97E-06	1.70E-05	1.26E-06	5.66E-06	9.37E-06	3.11E-07
761	744247.88	4109440.96	6.65E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
762	744252.61	4109464.89	6.71E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.75E-06	9.51E-06	3.15E-07
763	744257.35	4109488.82	6.76E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.59E-06	3.18E-07
764	744262.08	4109512.75	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
765	744266.82	4109536.68	6.83E-05	1.24E-04	6.84E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.85E-06	9.69E-06	3.21E-07
766	744271.55	4109560.61	6.84E-05	1.25E-04	6.84E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.86E-06	9.69E-06	3.21E-07
767	744276.29	4109584.53	6.82E-05	1.24E-04	6.82E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.84E-06	9.67E-06	3.20E-07
768	744281.03	4109608.46	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
769	744285.76	4109632.39	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
770	744290.5	4109656.32	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
771	744295.23	4109680.25	6.47E-05	1.18E-04	6.47E-06	1.00E-05	1.93E-05	9.71E-07	9.75E-06	1.66E-05	1.23E-06	5.54E-06	9.17E-06	3.04E-07
772	744299.97	4109704.18	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.50E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
773	744304.71	4109728.11	6.18E-05	1.13E-04	6.18E-06	9.58E-06	1.85E-05	9.27E-07	9.32E-06	1.59E-05	1.18E-06	5.29E-06	8.76E-06	2.90E-07
774	744309.44	4109752.04	6.03E-05	1.10E-04	6.03E-06	9.35E-06	1.80E-05	9.05E-07	9.09E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.83E-07
775	744314.18	4109775.97	5.88E-05	1.07E-04	5.88E-06	9.12E-06	1.76E-05	8.82E-07	8.86E-06	1.51E-05	1.12E-06	5.04E-06	8.33E-06	2.76E-07
776	744318.91	4109799.89	5.73E-05	1.04E-04	5.74E-06	8.89E-06	1.71E-05	8.60E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.69E-07
777	744323.65	4109823.82	5.59E-05	1.02E-04	5.59E-06	8.67E-06	1.67E-05	8.39E-07	8.43E-06	1.44E-05	1.07E-06	4.79E-06	7.93E-06	2.63E-07

778	744328.39	4109847.75	5.45E-05	9.94E-05	5.46E-06	8.46E-06	1.63E-05	8.18E-07	8.22E-06	1.40E-05	1.04E-06	4.67E-06	7.73E-06	2.56E-07
779	744333.12	4109871.68	5.32E-05	9.70E-05	5.33E-06	8.26E-06	1.59E-05	7.99E-07	8.03E-06	1.37E-05	1.01E-06	4.56E-06	7.55E-06	2.50E-07
780	744337.86	4109895.61	5.20E-05	9.48E-05	5.20E-06	8.07E-06	1.55E-05	7.81E-07	7.84E-06	1.34E-05	9.91E-07	4.46E-06	7.38E-06	2.44E-07
781	744342.59	4109919.54	5.09E-05	9.27E-05	5.09E-06	7.89E-06	1.52E-05	7.64E-07	7.67E-06	1.31E-05	9.70E-07	4.36E-06	7.22E-06	2.39E-07
782	744347.33	4109943.47	4.98E-05	9.08E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.52E-06	1.28E-05	9.50E-07	4.27E-06	7.07E-06	2.34E-07
783	744352.06	4109967.4	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
784	744356.8	4109991.33	4.79E-05	8.74E-05	4.80E-06	7.43E-06	1.43E-05	7.20E-07	7.23E-06	1.23E-05	9.14E-07	4.11E-06	6.80E-06	2.25E-07
785	744361.54	4110015.25	4.71E-05	8.58E-05	4.71E-06	7.30E-06	1.41E-05	7.07E-07	7.10E-06	1.21E-05	8.97E-07	4.04E-06	6.68E-06	2.21E-07
786	744366.27	4110039.18	4.63E-05	8.44E-05	4.64E-06	7.18E-06	1.38E-05	6.95E-07	6.99E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
787	744371.01	4110063.11	4.56E-05	8.31E-05	4.57E-06	7.08E-06	1.36E-05	6.85E-07	6.88E-06	1.17E-05	8.69E-07	3.91E-06	6.47E-06	2.14E-07
788	744375.74	4110087.04	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.85E-06	6.38E-06	2.11E-07
789	744380.48	4110110.97	4.44E-05	8.09E-05	4.44E-06	6.89E-06	1.33E-05	6.67E-07	6.70E-06	1.14E-05	8.46E-07	3.81E-06	6.30E-06	2.09E-07
790	744385.22	4110134.9	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
791	744389.95	4110158.83	4.34E-05	7.91E-05	4.34E-06	6.73E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.27E-07	3.72E-06	6.16E-06	2.04E-07
792	744394.69	4110182.76	4.30E-05	7.83E-05	4.30E-06	6.67E-06	1.28E-05	6.45E-07	6.48E-06	1.11E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
793	744399.42	4110206.69	4.26E-05	7.76E-05	4.26E-06	6.60E-06	1.27E-05	6.39E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.04E-06	2.00E-07
794	744404.16	4110230.61	4.22E-05	7.69E-05	4.22E-06	6.55E-06	1.26E-05	6.33E-07	6.36E-06	1.09E-05	8.04E-07	3.62E-06	5.98E-06	1.98E-07
795	744408.9	4110254.54	4.18E-05	7.62E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.97E-07	3.59E-06	5.93E-06	1.97E-07
796	744413.63	4110278.47	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
797	744418.37	4110302.4	4.11E-05	7.49E-05	4.12E-06	6.38E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.84E-07	3.52E-06	5.83E-06	1.93E-07
798	744423.1	4110326.33	4.08E-05	7.43E-05	4.08E-06	6.32E-06	1.22E-05	6.12E-07	6.15E-06	1.05E-05	7.77E-07	3.49E-06	5.78E-06	1.92E-07
799	744427.84	4110350.26	4.04E-05	7.37E-05	4.05E-06	6.27E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.71E-07	3.46E-06	5.73E-06	1.90E-07
800	744432.58	4110374.19	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.69E-06	1.88E-07
801	744437.31	4110398.12	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
802	744442.05	4110422.04	3.94E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.52E-07	3.38E-06	5.59E-06	1.85E-07
803	744433.25	4110466.27	3.93E-05	7.17E-05	3.94E-06	6.10E-06	1.18E-05	5.90E-07	5.93E-06	1.01E-05	7.50E-07	3.37E-06	5.58E-06	1.85E-07
804	744419.72	4110486.56	3.95E-05	7.21E-05	3.96E-06	6.13E-06	1.18E-05	5.94E-07	5.96E-06	1.02E-05	7.54E-07	3.39E-06	5.61E-06	1.86E-07
805	744406.18	4110506.86	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
806	744392.65	4110527.15	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.69E-06	1.88E-07
807	744379.12	4110547.45	4.05E-05	7.37E-05	4.05E-06	6.27E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.71E-07	3.47E-06	5.74E-06	1.90E-07
808	744365.59	4110567.74	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.79E-07	3.50E-06	5.79E-06	1.92E-07
809	744352.05	4110588.04	4.13E-05	7.53E-05	4.13E-06	6.41E-06	1.23E-05	6.20E-07	6.23E-06	1.06E-05	7.87E-07	3.54E-06	5.86E-06	1.94E-07
810	744338.52	4110608.33	4.18E-05	7.62E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.97E-07	3.58E-06	5.93E-06	1.96E-07
811	744324.99	4110628.63	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.63E-06	6.00E-06	1.99E-07
812	744311.45	4110648.92	4.28E-05	7.81E-05	4.29E-06	6.64E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.16E-07	3.67E-06	6.07E-06	2.01E-07
813	744297.92	4110669.22	4.34E-05	7.90E-05	4.34E-06	6.72E-06	1.30E-05	6.51E-07	6.54E-06	1.11E-05	8.26E-07	3.71E-06	6.15E-06	2.04E-07
814	744284.39	4110689.51	4.38E-05	7.99E-05	4.38E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.76E-06	6.21E-06	2.06E-07
815	744270.86	4110709.81	4.42E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
816	744257.32	4110730.1	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
817	744243.79	4110750.4	4.48E-05	8.16E-05	4.48E-06	6.95E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.54E-07	3.84E-06	6.35E-06	2.10E-07
818	744230.26	4110770.69	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.56E-07	3.85E-06	6.37E-06	2.11E-07
819	744216.72	4110790.99	4.49E-05	8.17E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
820	744203.19	4110811.28	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.33E-05	6.70E-07	6.74E-06	1.15E-05	8.51E-07	3.83E-06	6.33E-06	2.10E-07
821	744189.66	4110831.58	4.43E-05	8.08E-05	4.44E-06	6.88E-06	1.32E-05	6.66E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
822	744176.13	4110851.87	4.39E-05	8.00E-05	4.39E-06	6.80E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
823	744162.59	4110872.17	4.33E-05	7.88E-05	4.33E-06	6.71E-06	1.29E-05	6.49E-07	6.52E-06	1.11E-05	8.24E-07	3.71E-06	6.13E-06	2.03E-07
824	744149.06	4110892.46	4.25E-05	7.75E-05	4.26E-06	6.60E-06	1.27E-05	6.38E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.03E-06	2.00E-07
825	744135.53	4110912.76	4.17E-05	7.61E-05	4.18E-06	6.47E-06	1.25E-05	6.26E-07	6.29E-06	1.07E-05	7.95E-07	3.58E-06	5.92E-06	1.96E-07
826	744121.99	4110933.05	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.16E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
827	744108.46	4110953.35	4.00E-05	7.29E-05	4.00E-06	6.20E-06	1.19E-05	6.00E-07	6.03E-06	1.03E-05	7.62E-07	3.43E-06	5.67E-06	1.88E-07
828	744094.93	4110973.64	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
829	744081.4	4110993.93	3.82E-05	6.96E-05	3.82E-06	5.93E-06	1.14E-05	5.74E-07	5.76E-06	9.83E-06	7.28E-07	3.27E-06	5.42E-06	1.80E-07
830	744067.86	4111014.23	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.13E-07	3.20E-06	5.30E-06	1.76E-07
831	744054.33	4111034.52	3.67E-05	6.68E-05	3.67E-06	5.68E-06	1.09E-05	5.50E-07	5.53E-06	9.42E-06	6.98E-07	3.14E-06	5.20E-06	1.72E-07
832	744040.8	4111054.82	3.60E-05	6.56E-05	3.60E-06	5.58E-06	1.07E-05	5.40E-07	5.43E-06	9.25E-06	6.86E-07	3.08E-06	5.10E-06	1.69E-07
833	744027.26	4111075.11	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.75E-07	3.03E-06	5.02E-06	1.66E-07
834	744013.73	4111095.41	3.49E-05	6.36E-05	3.49E-06	5.41E-06	1.04E-05	5.24E-07	5.26E-06	8.97E-06	6.65E-07	2.99E-06	4.95E-06	1.64E-07
835	744000.2	4111115.7	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.20E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
836	743986.67	4111136	3.42E-05	6.23E-05	3.42E-06	5.30E-06	1.02E-05	5.13E-07	5.16E-06	8.79E-06	6.51E-07	2.93E-06	4.85E-06	1.61E-07
837	743973.13	4111156.29	3.39E-05	6.18E-05	3.40E-06	5.26E-06	1.01E-05	5.09E-07	5.12E-06	8.72E-06	6.47E-07	2.91E-06	4.81E-06	1.59E-07
838	743959.6	4111176.59	3.37E-05	6.15E-05	3.38E-06	5.23E-06	1.01E-05	5.06E-07	5.09E-06	8.67E-06	6.43E-07	2.89E-06	4.78E-06	1.59E-07
839	743946.07	4111196.88	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
840	743932.53	4111217.18	3.35E-05	6.10E-05	3.35E-06	5.19E-06	1.00E-05	5.03E-07	5.05E-06	8.61E-06	6.38E-07	2.87E-06	4.75E-06	1.57E-07
841	743919	4111237.47	3.34E-05	6.09E-05	3.34E-06	5.18E-06	9.98E-06	5.02E-07	5.04E-06	8.59E-06	6.37E-07	2.86E-06	4.74E-06	1.57E-07
842	743905.47	4111257.77	3.34E-05	6.08E-05	3.34E-06	5.18E-06	9.97E-06	5.01E-07	5.03E-06	8.58E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
843	743891.94	4111278.06	3.34E-05	6.08E-05	3.34E-06	5.18E-06	9.97E-06	5.01E-07	5.03E-06	8.58E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
844	743878.4	4111298.36	3.34E-05	6.09E-05	3.34E-06	5.18E-06	9.98E-06	5.01E-07	5.04E-06	8.59E-06	6.37E-07	2.86E-06	4.74E-06	1.57E-07
845	743864.87	4111318.65	3.35E-05	6.10E-05	3.35E-06	5.19E-06	1.00E-05	5.02E-07	5.05E-06	8.60E-06	6.38E-07	2.87E-06	4.74E-06	1.57E-07
846	743851.34	4111338.95	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
847	743837.8	4111359.24	3.37E-05	6.15E-05	3.38E-06	5.23E-06	1.01E-05	5.06E-07	5.09E-06	8.67E-06	6.43E-07	2.89E-06	4.78E-06	1.59E-07
848	743824.27	4111379.54	3.40E-05	6.19E-05	3.40E-06	5.27E-06	1.02E-05	5.10E-07	5.12E-06	8.73E-06	6.47E-07	2.91E-06	4.82E-06	1.60E-07

849	743810.74	4111399.83	3.43E-05	6.24E-05	3.43E-06	5.31E-06	1.02E-05	5.14E-07	5.17E-06	8.81E-06	6.53E-07	2.94E-06	4.86E-06	1.61E-07
850	743797.2	4111420.13	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.20E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
851	743783.67	4111440.42	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.26E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.97E-06	1.65E-07
852	743770.14	4111460.72	3.55E-05	6.46E-05	3.55E-06	5.50E-06	1.06E-05	5.32E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
853	743756.61	4111481.01	3.59E-05	6.55E-05	3.59E-06	5.57E-06	1.07E-05	5.39E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.09E-06	1.69E-07
854	743743.07	4111501.31	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.49E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
855	743729.54	4111521.6	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.52E-07	5.55E-06	9.46E-06	7.01E-07	3.15E-06	5.22E-06	1.73E-07
856	743716.01	4111541.9	3.72E-05	6.77E-05	3.72E-06	5.76E-06	1.11E-05	5.58E-07	5.60E-06	9.55E-06	7.08E-07	3.18E-06	5.27E-06	1.75E-07
857	743702.47	4111562.19	3.74E-05	6.82E-05	3.75E-06	5.80E-06	1.12E-05	5.62E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.31E-06	1.76E-07
858	743688.94	4111582.49	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.64E-07	5.67E-06	9.66E-06	7.16E-07	3.22E-06	5.33E-06	1.77E-07
859	743675.41	4111602.78	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.64E-07	5.67E-06	9.66E-06	7.16E-07	3.22E-06	5.33E-06	1.77E-07
860	743661.88	4111623.08	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.30E-06	1.76E-07
861	743648.34	4111643.37	3.71E-05	6.75E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
862	743634.81	4111663.67	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.50E-06	9.38E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
863	743621.28	4111683.96	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.39E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
864	743607.74	4111704.25	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
865	743594.21	4111724.55	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.07E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.79E-06	1.59E-07
866	743580.68	4111744.84	3.26E-05	5.93E-05	3.26E-06	5.05E-06	9.73E-06	4.89E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.62E-06	1.53E-07
867	743567.15	4111765.14	3.12E-05	5.69E-05	3.13E-06	4.85E-06	9.34E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
868	743553.61	4111785.43	2.99E-05	5.44E-05	2.99E-06	4.63E-06	8.92E-06	4.48E-07	4.50E-06	7.68E-06	5.69E-07	2.56E-06	4.23E-06	1.40E-07
869	743540.08	4111805.73	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.27E-07	4.29E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
870	743526.55	4111826.02	2.71E-05	4.94E-05	2.71E-06	4.20E-06	8.09E-06	4.07E-07	4.09E-06	6.97E-06	5.16E-07	2.32E-06	3.84E-06	1.27E-07
871	743513.01	4111846.32	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.71E-06	3.87E-07	3.89E-06	6.63E-06	4.91E-07	2.21E-06	3.66E-06	1.21E-07
872	743499.48	4111866.61	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.34E-06	3.69E-07	3.70E-06	6.32E-06	4.68E-07	2.11E-06	3.48E-06	1.15E-07
873	743485.95	4111886.91	2.35E-05	4.28E-05	2.35E-06	3.64E-06	7.01E-06	3.52E-07	3.54E-06	6.03E-06	4.47E-07	2.01E-06	3.33E-06	1.10E-07
874	744105.8	4108723.09	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.65E-06	1.43E-05	4.74E-07
875	744092.25	4108702.73	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.66E-06	1.43E-05	4.75E-07
876	744078.7	4108682.37	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.65E-06	1.43E-05	4.75E-07
877	744065.15	4108662.01	1.01E-04	1.84E-04	1.01E-05	1.56E-05	3.01E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.64E-06	1.43E-05	4.74E-07
878	744051.6	4108641.65	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.62E-06	1.43E-05	4.73E-07
879	744038.05	4108621.29	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.58E-06	1.42E-05	4.71E-07
880	744024.51	4108600.93	9.95E-05	1.81E-04	9.96E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.56E-05	1.90E-06	8.53E-06	1.41E-05	4.68E-07
881	744010.96	4108580.57	9.87E-05	1.80E-04	9.88E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.46E-06	1.40E-05	4.64E-07
882	743997.41	4108560.2	9.77E-05	1.78E-04	9.78E-06	1.52E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.39E-05	4.59E-07
883	744443.52	4108525.3	8.03E-05	1.46E-04	8.04E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.07E-05	1.53E-06	6.88E-06	1.14E-05	3.78E-07
884	744448.23	4108549.09	8.07E-05	1.47E-04	8.07E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.07E-05	1.54E-06	6.91E-06	1.14E-05	3.79E-07
885	744452.94	4108572.89	8.10E-05	1.48E-04	8.10E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.81E-07
886	744457.65	4108596.68	8.12E-05	1.48E-04	8.13E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.82E-07
887	744462.36	4108620.47	8.14E-05	1.48E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.15E-05	3.83E-07
888	744467.07	4108644.27	8.15E-05	1.48E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.16E-05	3.83E-07
889	744471.77	4108668.06	8.14E-05	1.48E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.15E-05	3.83E-07
890	744476.48	4108691.86	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.81E-07
891	744481.19	4108715.65	8.07E-05	1.47E-04	8.08E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.14E-05	3.79E-07
892	744485.9	4108739.44	8.00E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.86E-06	1.13E-05	3.76E-07
893	744490.61	4108763.24	7.92E-05	1.44E-04	7.92E-06	1.23E-05	2.37E-05	1.19E-06	1.19E-05	2.04E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
894	744495.32	4108787.03	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
895	744500.03	4108810.83	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
896	744504.74	4108834.62	7.53E-05	1.37E-04	7.54E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.45E-06	1.07E-05	3.54E-07
897	744509.45	4108858.42	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
898	744514.16	4108882.21	7.21E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
899	744518.87	4108906	7.04E-05	1.28E-04	7.05E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.98E-06	3.31E-07
900	744523.58	4108929.8	6.87E-05	1.25E-04	6.87E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.74E-06	3.23E-07
901	744528.29	4108953.59	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
902	744533	4108977.39	6.53E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.79E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.25E-06	3.07E-07
903	744537.7	4109001.18	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.01E-06	2.99E-07
904	744542.41	4109024.98	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.34E-06	1.59E-05	1.18E-06	5.30E-06	8.78E-06	2.91E-07
905	744547.12	4109048.77	6.03E-05	1.10E-04	6.03E-06	9.35E-06	1.80E-05	9.05E-07	9.10E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.83E-07
906	744551.83	4109072.56	5.88E-05	1.07E-04	5.88E-06	9.12E-06	1.76E-05	8.82E-07	8.87E-06	1.51E-05	1.12E-06	5.04E-06	8.34E-06	2.76E-07
907	744556.54	4109096.36	5.74E-05	1.05E-04	5.74E-06	8.89E-06	1.71E-05	8.61E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.70E-07
908	744561.25	4109120.15	5.60E-05	1.02E-04	5.60E-06	8.69E-06	1.67E-05	8.41E-07	8.45E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
909	744565.96	4109143.95	5.48E-05	9.99E-05	5.49E-06	8.50E-06	1.64E-05	8.23E-07	8.27E-06	1.41E-05	1.04E-06	4.70E-06	7.77E-06	2.58E-07
910	744570.67	4109167.74	5.38E-05	9.81E-05	5.38E-06	8.34E-06	1.61E-05	8.08E-07	8.11E-06	1.38E-05	1.03E-06	4.61E-06	7.63E-06	2.53E-07
911	744575.38	4109191.54	5.30E-05	9.66E-05	5.30E-06	8.22E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
912	744580.09	4109215.33	5.24E-05	9.55E-05	5.24E-06	8.13E-06	1.57E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.43E-06	2.46E-07
913	744584.8	4109239.12	5.20E-05	9.48E-05	5.20E-06	8.07E-06	1.55E-05	7.81E-07	7.84E-06	1.34E-05	9.91E-07	4.46E-06	7.37E-06	2.44E-07
914	744589.51	4109262.92	5.18E-05	9.44E-05	5.19E-06	8.04E-06	1.55E-05	7.78E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.35E-06	2.44E-07
915	744594.22	4109286.71	5.19E-05	9.45E-05	5.19E-06	8.04E-06	1.55E-05	7.79E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.36E-06	2.44E-07
916	744598.92	4109310.51	5.21E-05	9.49E-05	5.21E-06	8.08E-06	1.56E-05	7.82E-07	7.86E-06	1.34E-05	9.93E-07	4.46E-06	7.39E-06	2.45E-07
917	744603.63	4109334.3	5.25E-05	9.56E-05	5.25E-06	8.13E-06	1.57E-05	7.87E-07	7.91E-06	1.35E-05	1.00E-06	4.49E-06	7.44E-06	2.46E-07
918	744608.34	4109358.1	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
919	744613.05	4109381.89	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07

920	744617.76	4109405.68	5.39E-05	9.82E-05	5.39E-06	8.35E-06	1.61E-05	8.08E-07	8.12E-06	1.38E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
921	744622.47	4109429.48	5.43E-05	9.89E-05	5.43E-06	8.42E-06	1.62E-05	8.14E-07	8.18E-06	1.40E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
922	744627.18	4109453.27	5.46E-05	9.94E-05	5.46E-06	8.46E-06	1.63E-05	8.19E-07	8.23E-06	1.40E-05	1.04E-06	4.67E-06	7.74E-06	2.56E-07
923	744631.89	4109477.07	5.47E-05	9.97E-05	5.48E-06	8.49E-06	1.63E-05	8.21E-07	8.25E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
924	744636.6	4109500.86	5.47E-05	9.97E-05	5.47E-06	8.48E-06	1.63E-05	8.21E-07	8.25E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
925	744641.31	4109524.65	5.45E-05	9.93E-05	5.45E-06	8.45E-06	1.63E-05	8.18E-07	8.22E-06	1.40E-05	1.04E-06	4.67E-06	7.73E-06	2.56E-07
926	744646.02	4109548.45	5.41E-05	9.86E-05	5.42E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
927	744650.73	4109572.24	5.36E-05	9.76E-05	5.36E-06	8.31E-06	1.60E-05	8.04E-07	8.08E-06	1.38E-05	1.02E-06	4.59E-06	7.60E-06	2.52E-07
928	744655.44	4109596.04	5.29E-05	9.63E-05	5.29E-06	8.20E-06	1.58E-05	7.93E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.48E-07
929	744660.14	4109619.83	5.21E-05	9.49E-05	5.21E-06	8.07E-06	1.56E-05	7.81E-07	7.85E-06	1.34E-05	9.92E-07	4.46E-06	7.38E-06	2.45E-07
930	744664.85	4109643.63	5.11E-05	9.32E-05	5.12E-06	7.93E-06	1.53E-05	7.68E-07	7.71E-06	1.31E-05	9.75E-07	4.38E-06	7.25E-06	2.40E-07
931	744669.56	4109667.42	5.02E-05	9.14E-05	5.02E-06	7.78E-06	1.50E-05	7.53E-07	7.57E-06	1.29E-05	9.56E-07	4.30E-06	7.11E-06	2.36E-07
932	744674.27	4109691.21	4.91E-05	8.95E-05	4.92E-06	7.62E-06	1.47E-05	7.37E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.96E-06	2.31E-07
933	744678.98	4109715.01	4.80E-05	8.75E-05	4.81E-06	7.45E-06	1.44E-05	7.21E-07	7.24E-06	1.24E-05	9.15E-07	4.12E-06	6.81E-06	2.26E-07
934	744683.69	4109738.8	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.02E-06	6.66E-06	2.21E-07
935	744688.4	4109762.6	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
936	744693.11	4109786.39	4.49E-05	8.17E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
937	744697.82	4109810.19	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
938	744702.53	4109833.98	4.28E-05	7.79E-05	4.28E-06	6.63E-06	1.28E-05	6.42E-07	6.45E-06	1.10E-05	8.15E-07	3.66E-06	6.06E-06	2.01E-07
939	744707.24	4109857.77	4.21E-05	7.67E-05	4.21E-06	6.53E-06	1.26E-05	6.32E-07	6.35E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
940	744711.95	4109881.57	4.13E-05	7.52E-05	4.13E-06	6.40E-06	1.23E-05	6.20E-07	6.23E-06	1.06E-05	7.87E-07	3.54E-06	5.85E-06	1.94E-07
941	744716.66	4109905.36	4.05E-05	7.38E-05	4.05E-06	6.28E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.75E-06	1.90E-07
942	744721.37	4109929.16	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
943	744726.07	4109952.95	3.91E-05	7.13E-05	3.92E-06	6.07E-06	1.17E-05	5.87E-07	5.90E-06	1.01E-05	7.46E-07	3.35E-06	5.55E-06	1.84E-07
944	744730.78	4109976.75	3.85E-05	7.01E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.80E-06	9.89E-06	7.33E-07	3.30E-06	5.46E-06	1.81E-07
945	744735.49	4110000.54	3.79E-05	6.90E-05	3.79E-06	5.87E-06	1.13E-05	5.68E-07	5.71E-06	9.74E-06	7.22E-07	3.25E-06	5.37E-06	1.78E-07
946	744740.2	4110024.33	3.73E-05	6.80E-05	3.73E-06	5.79E-06	1.11E-05	5.60E-07	5.63E-06	9.59E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
947	744744.91	4110048.13	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.55E-06	9.45E-06	7.01E-07	3.15E-06	5.21E-06	1.73E-07
948	744749.62	4110071.92	3.63E-05	6.61E-05	3.63E-06	5.62E-06	1.08E-05	5.44E-07	5.47E-06	9.32E-06	6.91E-07	3.11E-06	5.14E-06	1.70E-07
949	744754.33	4110095.72	3.58E-05	6.53E-05	3.58E-06	5.55E-06	1.07E-05	5.38E-07	5.40E-06	9.21E-06	6.82E-07	3.07E-06	5.08E-06	1.68E-07
950	744759.04	4110119.51	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.75E-07	3.03E-06	5.02E-06	1.66E-07
951	744763.75	4110143.3	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.26E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.97E-06	1.65E-07
952	744768.46	4110167.1	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.20E-07	5.23E-06	8.91E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
953	744773.17	4110190.89	3.44E-05	6.26E-05	3.44E-06	5.33E-06	1.03E-05	5.16E-07	5.18E-06	8.84E-06	6.55E-07	2.95E-06	4.87E-06	1.62E-07
954	744777.88	4110214.69	3.41E-05	6.21E-05	3.41E-06	5.29E-06	1.02E-05	5.12E-07	5.14E-06	8.76E-06	6.50E-07	2.92E-06	4.83E-06	1.60E-07
955	744782.59	4110238.48	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.08E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.80E-06	1.59E-07
956	744787.29	4110262.28	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
957	744792	4110286.07	3.33E-05	6.08E-05	3.34E-06	5.17E-06	9.96E-06	5.00E-07	5.03E-06	8.57E-06	6.35E-07	2.86E-06	4.73E-06	1.57E-07
958	744796.71	4110309.86	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.89E-06	4.97E-07	4.99E-06	8.51E-06	6.31E-07	2.84E-06	4.69E-06	1.56E-07
959	744801.42	4110333.66	3.29E-05	5.99E-05	3.29E-06	5.10E-06	9.82E-06	4.94E-07	4.96E-06	8.45E-06	6.27E-07	2.82E-06	4.66E-06	1.55E-07
960	744806.13	4110357.45	3.27E-05	5.95E-05	3.27E-06	5.06E-06	9.75E-06	4.90E-07	4.92E-06	8.39E-06	6.22E-07	2.80E-06	4.63E-06	1.53E-07
961	744810.84	4110381.25	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
962	744815.55	4110405.04	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.85E-06	8.28E-06	6.14E-07	2.76E-06	4.56E-06	1.51E-07
963	744820.26	4110428.84	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
964	744824.97	4110452.63	3.17E-05	5.78E-05	3.18E-06	4.92E-06	9.48E-06	4.76E-07	4.79E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
965	744829.68	4110476.42	3.15E-05	5.74E-05	3.15E-06	4.89E-06	9.42E-06	4.73E-07	4.75E-06	8.10E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
966	744834.39	4110500.22	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.35E-06	4.70E-07	4.72E-06	8.05E-06	5.97E-07	2.68E-06	4.44E-06	1.47E-07
967	744825.64	4110544.19	3.12E-05	5.69E-05	3.12E-06	4.84E-06	9.33E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
968	744812.18	4110564.37	3.14E-05	5.71E-05	3.14E-06	4.86E-06	9.37E-06	4.71E-07	4.73E-06	8.06E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
969	744798.73	4110584.55	3.15E-05	5.74E-05	3.15E-06	4.89E-06	9.41E-06	4.73E-07	4.75E-06	8.10E-06	6.00E-07	2.70E-06	4.47E-06	1.48E-07
970	744785.27	4110604.74	3.17E-05	5.77E-05	3.17E-06	4.91E-06	9.47E-06	4.76E-07	4.78E-06	8.14E-06	6.04E-07	2.71E-06	4.49E-06	1.49E-07
971	744771.81	4110624.92	3.19E-05	5.81E-05	3.19E-06	4.95E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
972	744758.36	4110645.1	3.21E-05	5.86E-05	3.22E-06	4.98E-06	9.60E-06	4.82E-07	4.85E-06	8.26E-06	6.12E-07	2.75E-06	4.56E-06	1.51E-07
973	744744.9	4110665.28	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.68E-06	4.87E-07	4.89E-06	8.33E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
974	744731.44	4110685.46	3.27E-05	5.96E-05	3.27E-06	5.08E-06	9.78E-06	4.91E-07	4.94E-06	8.41E-06	6.24E-07	2.80E-06	4.64E-06	1.54E-07
975	744717.99	4110705.64	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.88E-06	4.96E-07	4.99E-06	8.50E-06	6.30E-07	2.83E-06	4.69E-06	1.55E-07
976	744704.53	4110725.82	3.34E-05	6.09E-05	3.35E-06	5.19E-06	9.99E-06	5.02E-07	5.04E-06	8.60E-06	6.37E-07	2.87E-06	4.74E-06	1.57E-07
977	744691.07	4110746	3.38E-05	6.16E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.10E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
978	744677.62	4110766.18	3.42E-05	6.24E-05	3.43E-06	5.31E-06	1.02E-05	5.14E-07	5.16E-06	8.80E-06	6.52E-07	2.93E-06	4.85E-06	1.61E-07
979	744664.16	4110786.36	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.20E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
980	744650.7	4110806.54	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.25E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.96E-06	1.65E-07
981	744637.25	4110826.72	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
982	744623.79	4110846.9	3.56E-05	6.50E-05	3.57E-06	5.53E-06	1.06E-05	5.35E-07	5.38E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.68E-07
983	744610.33	4110867.08	3.59E-05	6.54E-05	3.59E-06	5.56E-06	1.07E-05	5.39E-07	5.41E-06	9.22E-06	6.84E-07	3.07E-06	5.09E-06	1.69E-07
984	744596.88	4110887.26	3.60E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.43E-06	9.26E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
985	744583.42	4110907.45	3.61E-05	6.58E-05	3.61E-06	5.60E-06	1.08E-05	5.42E-07	5.44E-06	9.28E-06	6.88E-07	3.09E-06	5.12E-06	1.70E-07
986	744569.96	4110927.63	3.61E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.44E-06	9.27E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
987	744556.51	4110947.81	3.59E-05	6.55E-05	3.59E-06	5.57E-06	1.07E-05	5.39E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.09E-06	1.69E-07
988	744543.05	4110967.99	3.57E-05	6.50E-05	3.57E-06	5.54E-06	1.07E-05	5.36E-07	5.38E-06	9.18E-06	6.80E-07	3.06E-06	5.06E-06	1.68E-07
989	744529.59	4110988.17	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
990	744516.13	4111008.35	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07

991	744502.68	4111028.53	3.44E-05	6.27E-05	3.44E-06	5.34E-06	1.03E-05	5.16E-07	5.19E-06	8.85E-06	6.56E-07	2.95E-06	4.88E-06	1.62E-07
992	744489.22	4111048.71	3.38E-05	6.16E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.10E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
993	744475.76	4111068.89	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.92E-06	4.98E-07	5.01E-06	8.54E-06	6.33E-07	2.85E-06	4.71E-06	1.56E-07
994	744462.31	4111089.07	3.26E-05	5.93E-05	3.26E-06	5.05E-06	9.72E-06	4.89E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.62E-06	1.53E-07
995	744448.85	4111109.25	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
996	744435.39	4111129.43	3.12E-05	5.69E-05	3.12E-06	4.84E-06	9.32E-06	4.68E-07	4.71E-06	8.02E-06	5.95E-07	2.67E-06	4.42E-06	1.47E-07
997	744421.94	4111149.61	3.06E-05	5.57E-05	3.06E-06	4.74E-06	9.13E-06	4.59E-07	4.61E-06	7.86E-06	5.82E-07	2.62E-06	4.33E-06	1.44E-07
998	744408.48	4111169.79	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
999	744395.02	4111189.97	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.59E-07	2.52E-06	4.16E-06	1.38E-07
1000	744381.57	4111210.16	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.61E-06	4.33E-07	4.35E-06	7.41E-06	5.49E-07	2.47E-06	4.09E-06	1.35E-07
1001	744368.11	4111230.34	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.47E-06	4.26E-07	4.28E-06	7.29E-06	5.41E-07	2.43E-06	4.02E-06	1.33E-07
1002	744354.65	4111250.52	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
1003	744341.2	4111270.7	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.15E-07	4.17E-06	7.10E-06	5.26E-07	2.37E-06	3.92E-06	1.30E-07
1004	744327.74	4111290.88	2.74E-05	4.98E-05	2.74E-06	4.24E-06	8.17E-06	4.11E-07	4.12E-06	7.03E-06	5.21E-07	2.34E-06	3.88E-06	1.29E-07
1005	744314.28	4111311.06	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.85E-06	1.27E-07
1006	744300.83	4111331.24	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.05E-06	4.05E-07	4.07E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
1007	744287.37	4111351.42	2.69E-05	4.89E-05	2.69E-06	4.16E-06	8.02E-06	4.03E-07	4.05E-06	6.90E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
1008	744273.91	4111371.6	2.68E-05	4.88E-05	2.68E-06	4.15E-06	7.99E-06	4.02E-07	4.04E-06	6.88E-06	5.10E-07	2.29E-06	3.79E-06	1.26E-07
1009	744260.46	4111391.78	2.67E-05	4.86E-05	2.67E-06	4.14E-06	7.97E-06	4.01E-07	4.03E-06	6.86E-06	5.09E-07	2.29E-06	3.78E-06	1.25E-07
1010	744247	4111411.96	2.66E-05	4.85E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1011	744233.54	4111432.14	2.66E-05	4.85E-05	2.66E-06	4.13E-06	7.95E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
1012	744220.09	4111452.32	2.66E-05	4.85E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
1013	744206.63	4111472.5	2.66E-05	4.84E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.83E-06	5.06E-07	2.28E-06	3.77E-06	1.25E-07
1014	744193.17	4111492.68	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1015	744179.72	4111512.87	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1016	744166.26	4111533.05	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1017	744152.8	4111553.23	2.66E-05	4.84E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.83E-06	5.06E-07	2.28E-06	3.77E-06	1.25E-07
1018	744139.35	4111573.41	2.66E-05	4.85E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1019	744125.89	4111593.59	2.68E-05	4.87E-05	2.68E-06	4.15E-06	7.99E-06	4.01E-07	4.03E-06	6.88E-06	5.10E-07	2.29E-06	3.79E-06	1.26E-07
1020	744112.43	4111613.77	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.81E-06	1.26E-07
1021	744098.98	4111633.95	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.84E-06	1.27E-07
1022	744085.52	4111654.13	2.74E-05	4.99E-05	2.74E-06	4.25E-06	8.18E-06	4.11E-07	4.13E-06	7.04E-06	5.22E-07	2.35E-06	3.88E-06	1.29E-07
1023	744072.06	4111674.31	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.28E-06	4.16E-07	4.18E-06	7.13E-06	5.28E-07	2.38E-06	3.93E-06	1.30E-07
1024	744058.61	4111694.49	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.40E-06	4.22E-07	4.24E-06	7.23E-06	5.36E-07	2.41E-06	3.99E-06	1.32E-07
1025	744045.15	4111714.67	2.86E-05	5.20E-05	2.86E-06	4.43E-06	8.53E-06	4.29E-07	4.31E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
1026	744031.69	4111734.85	2.90E-05	5.29E-05	2.90E-06	4.50E-06	8.67E-06	4.36E-07	4.38E-06	7.46E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
1027	744018.24	4111755.03	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
1028	744004.78	4111775.21	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
1029	743991.32	4111795.39	3.04E-05	5.55E-05	3.05E-06	4.72E-06	9.09E-06	4.57E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.32E-06	1.43E-07
1030	743977.87	4111815.58	3.08E-05	5.62E-05	3.08E-06	4.78E-06	9.21E-06	4.63E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
1031	743964.41	4111835.76	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
1032	743950.95	4111855.94	3.13E-05	5.71E-05	3.13E-06	4.86E-06	9.36E-06	4.70E-07	4.72E-06	8.05E-06	5.97E-07	2.68E-06	4.44E-06	1.47E-07
1033	743937.5	4111876.12	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.38E-06	4.71E-07	4.73E-06	8.07E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
1034	743924.04	4111896.3	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.35E-06	4.70E-07	4.72E-06	8.04E-06	5.96E-07	2.68E-06	4.44E-06	1.47E-07
1035	743910.58	4111916.48	3.11E-05	5.66E-05	3.11E-06	4.82E-06	9.28E-06	4.66E-07	4.68E-06	7.98E-06	5.92E-07	2.66E-06	4.40E-06	1.46E-07
1036	743897.13	4111936.66	3.07E-05	5.59E-05	3.07E-06	4.75E-06	9.16E-06	4.60E-07	4.62E-06	7.88E-06	5.84E-07	2.63E-06	4.35E-06	1.44E-07
1037	743883.67	4111956.84	3.01E-05	5.49E-05	3.01E-06	4.67E-06	8.99E-06	4.52E-07	4.54E-06	7.74E-06	5.74E-07	2.58E-06	4.27E-06	1.41E-07
1038	743870.21	4111977.02	2.94E-05	5.36E-05	2.94E-06	4.56E-06	8.78E-06	4.41E-07	4.43E-06	7.56E-06	5.60E-07	2.52E-06	4.17E-06	1.38E-07
1039	743856.76	4111997.2	2.86E-05	5.21E-05	2.86E-06	4.43E-06	8.53E-06	4.29E-07	4.31E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
1040	743843.3	4112017.38	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.14E-07	4.16E-06	7.10E-06	5.26E-07	2.37E-06	3.91E-06	1.30E-07
1041	743829.84	4112037.56	2.66E-05	4.84E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.83E-06	5.06E-07	2.28E-06	3.77E-06	1.25E-07
1042	743816.39	4112057.74	2.55E-05	4.64E-05	2.55E-06	3.95E-06	7.61E-06	3.82E-07	3.84E-06	6.54E-06	4.85E-07	2.18E-06	3.61E-06	1.20E-07
1043	743802.93	4112077.92	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.27E-06	3.65E-07	3.67E-06	6.25E-06	4.63E-07	2.08E-06	3.45E-06	1.14E-07
1044	743789.47	4112098.1	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.48E-07	3.49E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
1045	743776.01	4112118.29	2.21E-05	4.02E-05	2.21E-06	3.42E-06	6.59E-06	3.31E-07	3.33E-06	5.67E-06	4.20E-07	1.89E-06	3.13E-06	1.04E-07
1046	743762.56	4112138.47	2.10E-05	3.83E-05	2.10E-06	3.26E-06	6.27E-06	3.15E-07	3.17E-06	5.40E-06	4.00E-07	1.80E-06	2.98E-06	9.87E-08
1047	743749.1	4112158.65	2.00E-05	3.64E-05	2.00E-06	3.10E-06	5.98E-06	3.00E-07	3.02E-06	5.14E-06	3.81E-07	1.71E-06	2.84E-06	9.40E-08
1048	743735.64	4112178.83	1.91E-05	3.48E-05	1.91E-06	2.96E-06	5.71E-06	2.87E-07	2.88E-06	4.91E-06	3.64E-07	1.64E-06	2.71E-06	8.98E-08
1049	743722.19	4112199.01	1.83E-05	3.34E-05	1.83E-06	2.84E-06	5.48E-06	2.75E-07	2.76E-06	4.71E-06	3.49E-07	1.57E-06	2.60E-06	8.61E-08
1050	743708.73	4112219.19	1.71E-05	3.12E-05	1.71E-06	2.66E-06	5.12E-06	2.57E-07	2.58E-06	4.40E-06	3.26E-07	1.47E-06	2.43E-06	8.05E-08
1051	744438.81	4108501.5	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1052	744425.26	4108481.14	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1053	744411.71	4108460.78	7.99E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1054	744398.16	4108440.42	7.99E-05	1.46E-04	7.99E-06	1.24E-05	2.39E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
1055	744384.62	4108420.06	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
1056	744371.07	4108399.7	7.95E-05	1.45E-04	7.95E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.81E-06	1.13E-05	3.73E-07
1057	744357.52	4108379.34	7.91E-05	1.44E-04	7.91E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
1058	744343.97	4108358.97	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
1059	744330.42	4108338.61	7.80E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.67E-07
1060	744776.56	4108303.85	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
1061	744781.3	4108327.79	6.64E-05	1.21E-04	6.65E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07

1062	744786.04	4108351.73	6.67E-05	1.22E-04	6.67E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.71E-05	1.27E-06	5.71E-06	9.45E-06	3.13E-07
1063	744790.77	4108375.67	6.69E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.49E-06	3.15E-07
1064	744795.51	4108399.61	6.72E-05	1.22E-04	6.72E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.75E-06	9.52E-06	3.16E-07
1065	744800.25	4108423.55	6.73E-05	1.23E-04	6.74E-06	1.04E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.28E-06	5.77E-06	9.55E-06	3.16E-07
1066	744804.99	4108447.49	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.56E-06	3.17E-07
1067	744809.73	4108471.43	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
1068	744814.46	4108495.37	6.74E-05	1.23E-04	6.75E-06	1.05E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.28E-06	5.78E-06	9.56E-06	3.17E-07
1069	744819.2	4108519.31	6.72E-05	1.22E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.76E-06	9.53E-06	3.16E-07
1070	744823.94	4108543.25	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
1071	744828.68	4108567.19	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.69E-06	9.41E-06	3.12E-07
1072	744833.42	4108591.13	6.57E-05	1.20E-04	6.57E-06	1.02E-05	1.96E-05	9.86E-07	9.90E-06	1.69E-05	1.25E-06	5.63E-06	9.31E-06	3.09E-07
1073	744838.15	4108615.06	6.49E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.78E-06	1.67E-05	1.24E-06	5.56E-06	9.20E-06	3.05E-07
1074	744842.89	4108639	6.39E-05	1.16E-04	6.39E-06	9.91E-06	1.91E-05	9.59E-07	9.64E-06	1.64E-05	1.22E-06	5.48E-06	9.06E-06	3.00E-07
1075	744847.63	4108662.94	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.43E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
1076	744852.37	4108686.88	6.17E-05	1.12E-04	6.17E-06	9.57E-06	1.84E-05	9.26E-07	9.31E-06	1.59E-05	1.18E-06	5.29E-06	8.75E-06	2.90E-07
1077	744857.11	4108710.82	6.05E-05	1.10E-04	6.05E-06	9.38E-06	1.81E-05	9.08E-07	9.12E-06	1.56E-05	1.15E-06	5.18E-06	8.58E-06	2.84E-07
1078	744861.84	4108734.76	5.93E-05	1.08E-04	5.93E-06	9.19E-06	1.77E-05	8.90E-07	8.94E-06	1.52E-05	1.13E-06	5.08E-06	8.40E-06	2.79E-07
1079	744866.58	4108758.7	5.80E-05	1.06E-04	5.80E-06	9.00E-06	1.73E-05	8.71E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.22E-06	2.73E-07
1080	744871.32	4108782.64	5.68E-05	1.03E-04	5.68E-06	8.80E-06	1.70E-05	8.52E-07	8.56E-06	1.46E-05	1.08E-06	4.86E-06	8.05E-06	2.67E-07
1081	744876.06	4108806.58	5.55E-05	1.01E-04	5.55E-06	8.61E-06	1.66E-05	8.33E-07	8.37E-06	1.43E-05	1.06E-06	4.76E-06	7.87E-06	2.61E-07
1082	744880.8	4108830.52	5.42E-05	9.88E-05	5.43E-06	8.41E-06	1.62E-05	8.14E-07	8.18E-06	1.39E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
1083	744885.53	4108854.46	5.30E-05	9.66E-05	5.30E-06	8.22E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
1084	744890.27	4108878.4	5.18E-05	9.44E-05	5.18E-06	8.03E-06	1.55E-05	7.77E-07	7.81E-06	1.33E-05	9.87E-07	4.44E-06	7.34E-06	2.43E-07
1085	744895.01	4108902.34	5.06E-05	9.22E-05	5.06E-06	7.85E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.34E-06	7.17E-06	2.38E-07
1086	744899.75	4108926.28	4.94E-05	9.01E-05	4.95E-06	7.67E-06	1.48E-05	7.42E-07	7.45E-06	1.27E-05	9.42E-07	4.24E-06	7.01E-06	2.32E-07
1087	744904.49	4108950.22	4.83E-05	8.80E-05	4.83E-06	7.49E-06	1.44E-05	7.25E-07	7.28E-06	1.24E-05	9.20E-07	4.14E-06	6.85E-06	2.27E-07
1088	744909.22	4108974.16	4.72E-05	8.61E-05	4.73E-06	7.32E-06	1.41E-05	7.09E-07	7.12E-06	1.21E-05	9.00E-07	4.05E-06	6.70E-06	2.22E-07
1089	744913.96	4108998.1	4.62E-05	8.42E-05	4.63E-06	7.17E-06	1.38E-05	6.94E-07	6.97E-06	1.19E-05	8.81E-07	3.96E-06	6.55E-06	2.17E-07
1090	744918.7	4109022.04	4.53E-05	8.26E-05	4.53E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
1091	744923.44	4109045.98	4.45E-05	8.11E-05	4.45E-06	6.90E-06	1.33E-05	6.68E-07	6.71E-06	1.14E-05	8.48E-07	3.81E-06	6.31E-06	2.09E-07
1092	744928.18	4109069.92	4.38E-05	7.98E-05	4.38E-06	6.79E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.75E-06	6.21E-06	2.06E-07
1093	744932.91	4109093.86	4.33E-05	7.89E-05	4.33E-06	6.71E-06	1.29E-05	6.50E-07	6.53E-06	1.11E-05	8.25E-07	3.71E-06	6.14E-06	2.03E-07
1094	744937.65	4109117.8	4.29E-05	7.81E-05	4.29E-06	6.65E-06	1.28E-05	6.44E-07	6.47E-06	1.10E-05	8.17E-07	3.67E-06	6.08E-06	2.02E-07
1095	744942.39	4109141.74	4.27E-05	7.77E-05	4.27E-06	6.62E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.13E-07	3.66E-06	6.05E-06	2.00E-07
1096	744947.13	4109165.68	4.26E-05	7.76E-05	4.26E-06	6.60E-06	1.27E-05	6.39E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.04E-06	2.00E-07
1097	744951.87	4109189.62	4.26E-05	7.77E-05	4.27E-06	6.61E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.13E-07	3.65E-06	6.05E-06	2.00E-07
1098	744956.6	4109213.55	4.28E-05	7.81E-05	4.29E-06	6.64E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.16E-07	3.67E-06	6.07E-06	2.01E-07
1099	744961.34	4109237.49	4.31E-05	7.86E-05	4.32E-06	6.69E-06	1.29E-05	6.47E-07	6.50E-06	1.11E-05	8.22E-07	3.70E-06	6.12E-06	2.03E-07
1100	744966.08	4109261.43	4.35E-05	7.93E-05	4.35E-06	6.75E-06	1.30E-05	6.53E-07	6.56E-06	1.12E-05	8.29E-07	3.73E-06	6.17E-06	2.04E-07
1101	744970.82	4109285.37	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.37E-07	3.76E-06	6.23E-06	2.06E-07
1102	744975.56	4109309.31	4.43E-05	8.08E-05	4.44E-06	6.88E-06	1.32E-05	6.65E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
1103	744980.29	4109333.25	4.47E-05	8.15E-05	4.47E-06	6.94E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
1104	744985.03	4109357.19	4.50E-05	8.21E-05	4.51E-06	6.99E-06	1.35E-05	6.76E-07	6.79E-06	1.16E-05	8.58E-07	3.86E-06	6.39E-06	2.12E-07
1105	744989.77	4109381.13	4.53E-05	8.26E-05	4.53E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
1106	744994.51	4109405.07	4.54E-05	8.28E-05	4.55E-06	7.05E-06	1.36E-05	6.82E-07	6.85E-06	1.17E-05	8.66E-07	3.89E-06	6.44E-06	2.14E-07
1107	744999.25	4109429.01	4.55E-05	8.28E-05	4.55E-06	7.05E-06	1.36E-05	6.82E-07	6.86E-06	1.17E-05	8.66E-07	3.90E-06	6.45E-06	2.14E-07
1108	745003.98	4109452.95	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
1109	745008.72	4109476.89	4.51E-05	8.22E-05	4.51E-06	6.99E-06	1.35E-05	6.77E-07	6.80E-06	1.16E-05	8.59E-07	3.86E-06	6.39E-06	2.12E-07
1110	745013.46	4109500.83	4.47E-05	8.15E-05	4.47E-06	6.94E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
1111	745018.2	4109524.77	4.42E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
1112	745022.94	4109548.71	4.36E-05	7.95E-05	4.37E-06	6.77E-06	1.30E-05	6.55E-07	6.58E-06	1.12E-05	8.32E-07	3.74E-06	6.19E-06	2.05E-07
1113	745027.68	4109572.65	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
1114	745032.41	4109596.59	4.23E-05	7.70E-05	4.23E-06	6.55E-06	1.26E-05	6.34E-07	6.37E-06	1.09E-05	8.05E-07	3.62E-06	5.99E-06	1.99E-07
1115	745037.15	4109620.53	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
1116	745041.89	4109644.47	4.07E-05	7.41E-05	4.07E-06	6.31E-06	1.22E-05	6.11E-07	6.13E-06	1.05E-05	7.75E-07	3.49E-06	5.77E-06	1.91E-07
1117	745046.63	4109668.41	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
1118	745051.37	4109692.35	3.89E-05	7.09E-05	3.90E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
1119	745056.1	4109716.29	3.81E-05	6.94E-05	3.81E-06	5.91E-06	1.14E-05	5.72E-07	5.75E-06	9.80E-06	7.26E-07	3.27E-06	5.40E-06	1.79E-07
1120	745060.84	4109740.23	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
1121	745065.58	4109764.17	3.66E-05	6.67E-05	3.66E-06	5.68E-06	1.09E-05	5.50E-07	5.52E-06	9.41E-06	6.98E-07	3.14E-06	5.19E-06	1.72E-07
1122	745070.32	4109788.11	3.61E-05	6.58E-05	3.62E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.12E-06	1.70E-07
1123	745075.06	4109812.04	3.55E-05	6.47E-05	3.55E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.13E-06	6.77E-07	3.04E-06	5.04E-06	1.67E-07
1124	745079.79	4109835.98	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
1125	745084.53	4109859.92	3.43E-05	6.25E-05	3.43E-06	5.32E-06	1.03E-05	5.15E-07	5.17E-06	8.82E-06	6.54E-07	2.94E-06	4.86E-06	1.61E-07
1126	745089.27	4109883.86	3.37E-05	6.14E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.66E-06	6.42E-07	2.89E-06	4.77E-06	1.58E-07
1127	745094.01	4109907.8	3.30E-05	6.00E-05	3.30E-06	5.11E-06	9.84E-06	4.95E-07	4.97E-06	8.47E-06	6.28E-07	2.82E-06	4.67E-06	1.55E-07
1128	745098.75	4109931.74	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
1129	745103.48	4109955.68	3.19E-05	5.82E-05	3.19E-06	4.95E-06	9.54E-06	4.79E-07	4.81E-06	8.21E-06	6.08E-07	2.74E-06	4.53E-06	1.50E-07
1130	745108.22	4109979.62	3.15E-05	5.73E-05	3.15E-06	4.88E-06	9.40E-06	4.72E-07	4.74E-06	8.09E-06	5.99E-07	2.70E-06	4.46E-06	1.48E-07
1131	745112.96	4110003.56	3.12E-05	5.68E-05	3.12E-06	4.84E-06	9.32E-06	4.68E-07	4.70E-06	8.02E-06	5.94E-07	2.67E-06	4.42E-06	1.47E-07
1132	745117.7	4110027.5	3.08E-05	5.61E-05	3.08E-06	4.77E-06	9.19E-06	4.62E-07	4.64E-06	7.91E-06	5.86E-07	2.64E-06	4.36E-06	1.45E-07

1133	745122.44	4110051.44	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
1134	745127.17	4110075.38	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
1135	745131.91	4110099.32	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.16E-06	1.38E-07
1136	745136.65	4110123.26	2.90E-05	5.29E-05	2.90E-06	4.50E-06	8.67E-06	4.36E-07	4.38E-06	7.46E-06	5.53E-07	2.49E-06	4.11E-06	1.36E-07
1137	745141.39	4110147.2	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
1138	745146.13	4110171.14	2.84E-05	5.18E-05	2.84E-06	4.41E-06	8.49E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
1139	745150.86	4110195.08	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.25E-06	5.37E-07	2.42E-06	4.00E-06	1.32E-07
1140	745155.6	4110219.02	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.36E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.97E-06	1.31E-07
1141	745160.34	4110242.96	2.78E-05	5.06E-05	2.78E-06	4.31E-06	8.30E-06	4.17E-07	4.19E-06	7.14E-06	5.29E-07	2.38E-06	3.94E-06	1.31E-07
1142	745165.08	4110266.9	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.15E-07	4.16E-06	7.10E-06	5.26E-07	2.37E-06	3.92E-06	1.30E-07
1143	745169.82	4110290.84	2.75E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.06E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
1144	745174.55	4110314.78	2.73E-05	4.98E-05	2.73E-06	4.23E-06	8.16E-06	4.10E-07	4.12E-06	7.02E-06	5.20E-07	2.34E-06	3.87E-06	1.28E-07
1145	745179.29	4110338.72	2.72E-05	4.95E-05	2.72E-06	4.21E-06	8.11E-06	4.07E-07	4.09E-06	6.98E-06	5.17E-07	2.33E-06	3.85E-06	1.28E-07
1146	745184.03	4110362.66	2.70E-05	4.92E-05	2.70E-06	4.19E-06	8.07E-06	4.05E-07	4.07E-06	6.94E-06	5.15E-07	2.31E-06	3.83E-06	1.27E-07
1147	745188.77	4110386.6	2.69E-05	4.89E-05	2.69E-06	4.16E-06	8.02E-06	4.03E-07	4.05E-06	6.90E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
1148	745193.51	4110410.53	2.67E-05	4.86E-05	2.67E-06	4.14E-06	7.97E-06	4.01E-07	4.03E-06	6.86E-06	5.09E-07	2.29E-06	3.78E-06	1.25E-07
1149	745198.24	4110434.47	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1150	745202.98	4110458.41	2.64E-05	4.81E-05	2.64E-06	4.09E-06	7.88E-06	3.96E-07	3.98E-06	6.78E-06	5.03E-07	2.26E-06	3.74E-06	1.24E-07
1151	745207.72	4110482.35	2.62E-05	4.78E-05	2.62E-06	4.07E-06	7.84E-06	3.94E-07	3.95E-06	6.74E-06	5.00E-07	2.25E-06	3.72E-06	1.23E-07
1152	745212.46	4110506.29	2.61E-05	4.75E-05	2.61E-06	4.04E-06	7.79E-06	3.91E-07	3.93E-06	6.70E-06	4.97E-07	2.23E-06	3.70E-06	1.23E-07
1153	745217.2	4110530.23	2.59E-05	4.72E-05	2.59E-06	4.02E-06	7.75E-06	3.89E-07	3.91E-06	6.66E-06	4.94E-07	2.22E-06	3.68E-06	1.22E-07
1154	745221.93	4110554.17	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.70E-06	3.87E-07	3.89E-06	6.62E-06	4.91E-07	2.21E-06	3.65E-06	1.21E-07
1155	745226.67	4110578.11	2.56E-05	4.67E-05	2.57E-06	3.98E-06	7.66E-06	3.85E-07	3.87E-06	6.59E-06	4.89E-07	2.20E-06	3.63E-06	1.20E-07
1156	745217.87	4110622.36	2.56E-05	4.66E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
1157	745204.33	4110642.66	2.57E-05	4.68E-05	2.57E-06	3.98E-06	7.67E-06	3.85E-07	3.87E-06	6.60E-06	4.89E-07	2.20E-06	3.64E-06	1.21E-07
1158	745190.79	4110662.96	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.70E-06	3.87E-07	3.89E-06	6.62E-06	4.91E-07	2.21E-06	3.65E-06	1.21E-07
1159	745177.25	4110683.27	2.59E-05	4.71E-05	2.59E-06	4.01E-06	7.73E-06	3.88E-07	3.90E-06	6.65E-06	4.93E-07	2.22E-06	3.67E-06	1.22E-07
1160	745163.72	4110703.57	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.92E-06	6.68E-06	4.95E-07	2.23E-06	3.68E-06	1.22E-07
1161	745150.18	4110723.88	2.61E-05	4.76E-05	2.61E-06	4.05E-06	7.81E-06	3.92E-07	3.94E-06	6.72E-06	4.98E-07	2.24E-06	3.70E-06	1.23E-07
1162	745136.64	4110744.18	2.63E-05	4.79E-05	2.63E-06	4.07E-06	7.85E-06	3.94E-07	3.96E-06	6.75E-06	5.01E-07	2.25E-06	3.72E-06	1.23E-07
1163	745123.1	4110764.48	2.64E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
1164	745109.56	4110784.79	2.66E-05	4.86E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1165	745096.02	4110805.09	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.81E-06	1.26E-07
1166	745082.48	4110825.4	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.12E-06	4.08E-07	4.10E-06	6.99E-06	5.18E-07	2.33E-06	3.86E-06	1.28E-07
1167	745068.94	4110845.7	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.13E-07	4.15E-06	7.07E-06	5.24E-07	2.36E-06	3.90E-06	1.29E-07
1168	745055.4	4110866	2.79E-05	5.08E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
1169	745041.86	4110886.31	2.82E-05	5.14E-05	2.82E-06	4.38E-06	8.43E-06	4.24E-07	4.26E-06	7.26E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
1170	745028.33	4110906.61	2.86E-05	5.21E-05	2.86E-06	4.44E-06	8.55E-06	4.29E-07	4.31E-06	7.35E-06	5.45E-07	2.45E-06	4.06E-06	1.34E-07
1171	745014.79	4110926.91	2.90E-05	5.28E-05	2.90E-06	4.49E-06	8.66E-06	4.35E-07	4.37E-06	7.45E-06	5.52E-07	2.48E-06	4.11E-06	1.36E-07
1172	745001.25	4110947.22	2.93E-05	5.35E-05	2.94E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.54E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
1173	744987.71	4110967.52	2.97E-05	5.40E-05	2.97E-06	4.60E-06	8.86E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
1174	744974.17	4110987.83	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
1175	744960.63	4111008.13	3.01E-05	5.49E-05	3.02E-06	4.67E-06	9.00E-06	4.52E-07	4.54E-06	7.75E-06	5.74E-07	2.58E-06	4.27E-06	1.42E-07
1176	744947.09	4111028.43	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.05E-06	4.54E-07	4.57E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
1177	744933.55	4111048.74	3.03E-05	5.53E-05	3.03E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
1178	744920.01	4111069.04	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.05E-06	4.54E-07	4.57E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
1179	744906.48	4111089.35	3.01E-05	5.49E-05	3.02E-06	4.67E-06	9.00E-06	4.52E-07	4.54E-06	7.75E-06	5.74E-07	2.58E-06	4.27E-06	1.42E-07
1180	744892.94	4111109.65	2.99E-05	5.45E-05	2.99E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.69E-06	5.70E-07	2.56E-06	4.24E-06	1.41E-07
1181	744879.4	4111129.95	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
1182	744865.86	4111150.26	2.92E-05	5.32E-05	2.92E-06	4.53E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
1183	744852.32	4111170.56	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
1184	744838.78	4111190.87	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.25E-06	5.37E-07	2.42E-06	4.00E-06	1.33E-07
1185	744825.24	4111211.17	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.15E-07	4.17E-06	7.10E-06	5.26E-07	2.37E-06	3.92E-06	1.30E-07
1186	744811.7	4111231.47	2.70E-05	4.93E-05	2.71E-06	4.19E-06	8.08E-06	4.06E-07	4.08E-06	6.95E-06	5.15E-07	2.32E-06	3.83E-06	1.27E-07
1187	744798.16	4111251.78	2.64E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
1188	744784.63	4111272.08	2.61E-05	4.76E-05	2.61E-06	4.05E-06	7.80E-06	3.92E-07	3.94E-06	6.71E-06	4.98E-07	2.24E-06	3.70E-06	1.23E-07
1189	744771.09	4111292.39	2.56E-05	4.67E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
1190	744757.55	4111312.69	2.51E-05	4.57E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.45E-06	4.78E-07	2.15E-06	3.56E-06	1.18E-07
1191	744744.01	4111332.99	2.46E-05	4.49E-05	2.46E-06	3.82E-06	7.36E-06	3.70E-07	3.71E-06	6.33E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
1192	744730.47	4111353.3	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.23E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
1193	744716.93	4111373.6	2.38E-05	4.33E-05	2.38E-06	3.69E-06	7.10E-06	3.57E-07	3.59E-06	6.11E-06	4.53E-07	2.04E-06	3.37E-06	1.12E-07
1194	744703.39	4111393.91	2.34E-05	4.27E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
1195	744689.85	4111414.21	2.31E-05	4.21E-05	2.31E-06	3.58E-06	6.90E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
1196	744676.31	4111434.51	2.28E-05	4.16E-05	2.28E-06	3.54E-06	6.81E-06	3.42E-07	3.44E-06	5.86E-06	4.35E-07	1.95E-06	3.23E-06	1.07E-07
1197	744662.77	4111454.82	2.26E-05	4.12E-05	2.26E-06	3.50E-06	6.75E-06	3.39E-07	3.41E-06	5.81E-06	4.30E-07	1.94E-06	3.20E-06	1.06E-07
1198	744649.24	4111475.12	2.24E-05	4.08E-05	2.24E-06	3.47E-06	6.69E-06	3.36E-07	3.38E-06	5.76E-06	4.27E-07	1.92E-06	3.18E-06	1.05E-07
1199	744635.7	4111495.43	2.23E-05	4.05E-05	2.23E-06	3.45E-06	6.65E-06	3.34E-07	3.36E-06	5.72E-06	4.24E-07	1.91E-06	3.15E-06	1.05E-07
1200	744622.16	4111515.73	2.22E-05	4.04E-05	2.22E-06	3.43E-06	6.62E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
1201	744608.62	4111536.03	2.21E-05	4.02E-05	2.21E-06	3.42E-06	6.59E-06	3.31E-07	3.33E-06	5.67E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
1202	744595.08	4111556.34	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.58E-06	3.30E-07	3.32E-06	5.66E-06	4.20E-07	1.89E-06	3.12E-06	1.03E-07
1203	744581.54	4111576.64	2.18E-05	3.98E-05	2.18E-06	3.38E-06	6.52E-06	3.27E-07	3.29E-06	5.61E-06	4.16E-07	1.87E-06	3.09E-06	1.03E-07

1204	744568	4111596.95	2.20E-05	4.00E-05	2.20E-06	3.41E-06	6.56E-06	3.30E-07	3.31E-06	5.65E-06	4.19E-07	1.88E-06	3.12E-06	1.03E-07
1205	744554.46	4111617.25	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1206	744540.92	4111637.55	2.19E-05	4.00E-05	2.20E-06	3.40E-06	6.55E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1207	744527.39	4111657.86	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1208	744513.85	4111678.16	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1209	744500.31	4111698.47	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1210	744486.77	4111718.77	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.29E-06	5.62E-06	4.16E-07	1.87E-06	3.10E-06	1.03E-07
1211	744473.23	4111739.07	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.54E-06	3.29E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.11E-06	1.03E-07
1212	744459.69	4111759.38	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
1213	744446.15	4111779.68	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
1214	744432.61	4111799.98	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
1215	744419.07	4111820.29	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
1216	744405.53	4111840.59	2.20E-05	4.00E-05	2.20E-06	3.41E-06	6.56E-06	3.30E-07	3.31E-06	5.65E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1217	744392	4111860.9	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.60E-06	3.32E-07	3.33E-06	5.68E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
1218	744378.46	4111881.2	2.23E-05	4.06E-05	2.23E-06	3.46E-06	6.66E-06	3.35E-07	3.36E-06	5.73E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
1219	744364.92	4111901.5	2.26E-05	4.11E-05	2.26E-06	3.50E-06	6.74E-06	3.39E-07	3.40E-06	5.80E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
1220	744351.38	4111921.81	2.29E-05	4.17E-05	2.29E-06	3.55E-06	6.83E-06	3.43E-07	3.45E-06	5.88E-06	4.36E-07	1.96E-06	3.24E-06	1.07E-07
1221	744337.84	4111942.11	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.94E-06	3.49E-07	3.50E-06	5.97E-06	4.43E-07	1.99E-06	3.29E-06	1.09E-07
1222	744324.3	4111962.42	2.36E-05	4.31E-05	2.37E-06	3.67E-06	7.06E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.35E-06	1.11E-07
1223	744310.76	4111982.72	2.41E-05	4.39E-05	2.41E-06	3.74E-06	7.20E-06	3.62E-07	3.63E-06	6.20E-06	4.59E-07	2.06E-06	3.42E-06	1.13E-07
1224	744297.22	4112003.02	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.34E-06	3.69E-07	3.70E-06	6.32E-06	4.68E-07	2.11E-06	3.48E-06	1.15E-07
1225	744283.68	4112023.33	2.51E-05	4.57E-05	2.51E-06	3.89E-06	7.49E-06	3.76E-07	3.78E-06	6.44E-06	4.77E-07	2.15E-06	3.55E-06	1.18E-07
1226	744270.15	4112043.63	2.55E-05	4.65E-05	2.55E-06	3.96E-06	7.63E-06	3.83E-07	3.85E-06	6.56E-06	4.86E-07	2.19E-06	3.62E-06	1.20E-07
1227	744256.61	4112063.94	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.91E-06	6.67E-06	4.95E-07	2.22E-06	3.68E-06	1.22E-07
1228	744243.07	4112084.24	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
1229	744229.53	4112104.54	2.67E-05	4.86E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1230	744215.99	4112124.85	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.03E-06	4.03E-07	4.05E-06	6.91E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
1231	744202.45	4112145.15	2.70E-05	4.92E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.94E-06	5.14E-07	2.31E-06	3.83E-06	1.27E-07
1232	744188.91	4112165.46	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
1233	744175.37	4112185.76	2.68E-05	4.89E-05	2.68E-06	4.16E-06	8.01E-06	4.03E-07	4.05E-06	6.90E-06	5.11E-07	2.30E-06	3.80E-06	1.26E-07
1234	744161.83	4112206.06	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1235	744148.29	4112226.37	2.61E-05	4.76E-05	2.62E-06	4.05E-06	7.81E-06	3.92E-07	3.94E-06	6.72E-06	4.98E-07	2.24E-06	3.71E-06	1.23E-07
1236	744134.76	4112246.67	2.56E-05	4.67E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
1237	744121.22	4112266.98	2.49E-05	4.55E-05	2.50E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07
1238	744107.68	4112287.28	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.23E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
1239	744094.14	4112307.58	2.33E-05	4.25E-05	2.34E-06	3.62E-06	6.97E-06	3.50E-07	3.52E-06	6.00E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
1240	744080.6	4112327.89	2.24E-05	4.09E-05	2.24E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.27E-07	1.92E-06	3.18E-06	1.05E-07
1241	744067.06	4112348.19	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.22E-06	5.50E-06	4.07E-07	1.83E-06	3.03E-06	1.00E-07
1242	744053.52	4112368.5	2.03E-05	3.70E-05	2.03E-06	3.15E-06	6.07E-06	3.05E-07	3.06E-06	5.22E-06	3.87E-07	1.74E-06	2.88E-06	9.55E-08
1243	744039.98	4112388.8	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.96E-06	3.67E-07	1.65E-06	2.73E-06	9.06E-08
1244	744026.44	4112409.1	1.83E-05	3.33E-05	1.83E-06	2.83E-06	5.45E-06	2.74E-07	2.75E-06	4.69E-06	3.48E-07	1.56E-06	2.59E-06	8.58E-08
1245	744012.91	4112429.41	1.73E-05	3.15E-05	1.73E-06	2.68E-06	5.16E-06	2.59E-07	2.61E-06	4.44E-06	3.29E-07	1.48E-06	2.45E-06	8.12E-08
1246	743999.37	4112449.71	1.64E-05	2.99E-05	1.64E-06	2.54E-06	4.89E-06	2.46E-07	2.47E-06	4.21E-06	3.12E-07	1.40E-06	2.32E-06	7.70E-08
1247	743985.83	4112470.02	1.56E-05	2.84E-05	1.56E-06	2.42E-06	4.66E-06	2.34E-07	2.35E-06	4.01E-06	2.97E-07	1.34E-06	2.21E-06	7.33E-08
1248	743972.29	4112490.32	1.49E-05	2.72E-05	1.49E-06	2.31E-06	4.45E-06	2.24E-07	2.25E-06	3.83E-06	2.84E-07	1.28E-06	2.11E-06	7.01E-08
1249	743958.75	4112510.62	1.43E-05	2.61E-05	1.43E-06	2.22E-06	4.28E-06	2.15E-07	2.16E-06	3.68E-06	2.73E-07	1.23E-06	2.03E-06	6.73E-08
1250	743945.21	4112530.93	1.38E-05	2.52E-05	1.39E-06	2.15E-06	4.14E-06	2.08E-07	2.09E-06	3.56E-06	2.64E-07	1.19E-06	1.96E-06	6.51E-08
1251	743931.67	4112551.23	1.35E-05	2.46E-05	1.35E-06	2.09E-06	4.03E-06	2.02E-07	2.03E-06	3.46E-06	2.57E-07	1.15E-06	1.91E-06	6.33E-08
1252	744771.82	4108279.91	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.94E-06	1.69E-05	1.26E-06	5.65E-06	9.34E-06	3.10E-07
1253	744758.27	4108259.55	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.93E-06	1.69E-05	1.26E-06	5.64E-06	9.34E-06	3.10E-07
1254	744744.72	4108239.19	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
1255	744731.18	4108218.83	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
1256	744717.63	4108198.47	6.57E-05	1.20E-04	6.57E-06	1.02E-05	1.96E-05	9.86E-07	9.90E-06	1.69E-05	1.25E-06	5.63E-06	9.31E-06	3.09E-07
1257	744704.08	4108178.1	6.55E-05	1.19E-04	6.55E-06	1.02E-05	1.96E-05	9.83E-07	9.88E-06	1.68E-05	1.25E-06	5.61E-06	9.29E-06	3.08E-07
1258	744690.53	4108157.74	6.53E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.80E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.26E-06	3.07E-07
1259	744676.98	4108137.38	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.21E-06	3.05E-07
1260	744663.43	4108117.02	6.46E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.74E-06	1.66E-05	1.23E-06	5.53E-06	9.16E-06	3.03E-07
1261	742069.08	4109813.33	4.70E-03	8.57E-03	4.71E-04	7.29E-04	1.41E-03	7.06E-05	7.09E-04	1.21E-03	8.96E-05	4.03E-04	6.67E-04	2.21E-05
1262	742048.44	4109826.58	5.12E-03	9.33E-03	5.12E-04	7.94E-04	1.53E-03	7.68E-05	7.72E-04	1.32E-03	9.75E-05	4.39E-04	7.26E-04	2.41E-05
1263	742027.8	4109839.84	5.51E-03	1.00E-02	5.51E-04	8.54E-04	1.65E-03	8.27E-05	8.31E-04	1.42E-03	1.05E-04	4.72E-04	7.81E-04	2.59E-05
1264	742007.16	4109853.1	5.93E-03	1.08E-02	5.93E-04	9.19E-04	1.77E-03	8.90E-05	8.94E-04	1.52E-03	1.13E-04	5.08E-04	8.41E-04	2.79E-05
1265	741986.53	4109866.35	6.29E-03	1.15E-02	6.30E-04	9.76E-04	1.88E-03	9.45E-05	9.49E-04	1.62E-03	1.20E-04	5.39E-04	8.92E-04	2.96E-05
1266	741965.89	4109879.61	6.57E-03	1.20E-02	6.58E-04	1.02E-03	1.96E-03	9.87E-05	9.91E-04	1.69E-03	1.25E-04	5.63E-04	9.32E-04	3.09E-05
1267	741945.25	4109892.87	6.79E-03	1.24E-02	6.80E-04	1.05E-03	2.03E-03	1.02E-04	1.02E-03	1.75E-03	1.29E-04	5.82E-04	9.63E-04	3.19E-05
1268	742074.2	4109788.86	3.30E-03	6.02E-03	3.30E-04	5.12E-04	9.87E-04	4.96E-05	4.98E-04	8.49E-04	6.29E-05	2.83E-04	4.68E-04	1.55E-05
1269	742034.93	4109805.55	3.33E-03	6.07E-03	3.33E-04	5.16E-04	9.95E-04	5.00E-05	5.02E-04	8.56E-04	6.34E-05	2.85E-04	4.72E-04	1.56E-05
1270	742014.29	4109818.8	3.53E-03	6.42E-03	3.53E-04	5.47E-04	1.05E-03	5.29E-05	5.32E-04	9.06E-04	6.72E-05	3.02E-04	5.00E-04	1.66E-05
1271	741993.65	4109832.06	3.73E-03	6.80E-03	3.73E-04	5.79E-04	1.12E-03	5.60E-05	5.63E-04	9.60E-04	7.11E-05	3.20E-04	5.29E-04	1.75E-05
1272	741973.01	4109845.32	3.96E-03	7.22E-03	3.96E-04	6.14E-04	1.18E-03	5.95E-05	5.97E-04	1.02E-03	7.55E-05	3.39E-04	5.62E-04	1.86E-05
1273	741952.38	4109858.57	4.19E-03	7.63E-03	4.19E-04	6.49E-04	1.25E-03	6.28E-05	6.31E-04	1.08E-03	7.98E-05	3.59E-04	5.94E-04	1.97E-05
1274	741931.74	4109871.83	4.37E-03	7.96E-03	4.37E-04	6.78E-04	1.31E-03	6.56E-05	6.59E-04	1.12E-03	8.33E-05	3.74E-04	6.20E-04	2.05E-05

1275	742060.69	4109767.82	2.40E-03	4.36E-03	2.40E-04	3.71E-04	7.16E-04	3.60E-05	3.61E-04	6.16E-04	4.56E-05	2.05E-04	3.40E-04	1.13E-05
1276	742113.65	4109771.57	3.13E-03	5.70E-03	3.13E-04	4.85E-04	9.35E-04	4.70E-05	4.72E-04	8.05E-04	5.96E-05	2.68E-04	4.44E-04	1.47E-05
1277	742021.42	4109784.51	2.40E-03	4.38E-03	2.40E-04	3.73E-04	7.18E-04	3.61E-05	3.62E-04	6.18E-04	4.58E-05	2.06E-04	3.41E-04	1.13E-05
1278	742000.78	4109797.77	2.52E-03	4.60E-03	2.52E-04	3.91E-04	7.54E-04	3.79E-05	3.80E-04	6.48E-04	4.81E-05	2.16E-04	3.58E-04	1.19E-05
1279	741980.14	4109811.03	2.65E-03	4.82E-03	2.65E-04	4.10E-04	7.90E-04	3.97E-05	3.99E-04	6.80E-04	5.04E-05	2.27E-04	3.75E-04	1.24E-05
1280	741959.5	4109824.28	2.78E-03	5.07E-03	2.79E-04	4.32E-04	8.32E-04	4.18E-05	4.20E-04	7.16E-04	5.30E-05	2.39E-04	3.95E-04	1.31E-05
1281	741938.86	4109837.54	2.93E-03	5.35E-03	2.94E-04	4.55E-04	8.77E-04	4.40E-05	4.43E-04	7.54E-04	5.59E-05	2.51E-04	4.16E-04	1.38E-05
1282	741918.23	4109850.8	3.07E-03	5.60E-03	3.08E-04	4.77E-04	9.18E-04	4.61E-05	4.64E-04	7.90E-04	5.86E-05	2.63E-04	4.36E-04	1.44E-05
1283	742047.18	4109746.79	1.84E-03	3.35E-03	1.84E-04	2.85E-04	5.50E-04	2.76E-05	2.78E-04	4.73E-04	3.51E-05	1.58E-04	2.61E-04	8.65E-06
1284	742084.45	4109739.92	1.98E-03	3.60E-03	1.98E-04	3.07E-04	5.91E-04	2.97E-05	2.98E-04	5.08E-04	3.77E-05	1.69E-04	2.80E-04	9.29E-06
1285	742118.77	4109747.1	2.39E-03	4.36E-03	2.40E-04	3.71E-04	7.15E-04	3.59E-05	3.61E-04	6.15E-04	4.56E-05	2.05E-04	3.39E-04	1.13E-05
1286	742007.91	4109763.48	1.84E-03	3.36E-03	1.84E-04	2.86E-04	5.50E-04	2.76E-05	2.78E-04	4.74E-04	3.51E-05	1.58E-04	2.61E-04	8.66E-06
1287	741987.27	4109776.74	1.92E-03	3.51E-03	1.93E-04	2.98E-04	5.75E-04	2.89E-05	2.90E-04	4.95E-04	3.67E-05	1.65E-04	2.73E-04	9.04E-06
1288	741966.63	4109789.99	2.01E-03	3.67E-03	2.01E-04	3.12E-04	6.01E-04	3.02E-05	3.03E-04	5.17E-04	3.83E-05	1.72E-04	2.85E-04	9.45E-06
1289	741945.99	4109803.25	2.10E-03	3.83E-03	2.10E-04	3.26E-04	6.28E-04	3.15E-05	3.17E-04	5.40E-04	4.00E-05	1.80E-04	2.98E-04	9.87E-06
1290	741925.35	4109816.51	2.20E-03	4.01E-03	2.20E-04	3.41E-04	6.57E-04	3.30E-05	3.32E-04	5.66E-04	4.19E-05	1.89E-04	3.12E-04	1.03E-05
1291	741904.72	4109829.76	2.30E-03	4.19E-03	2.30E-04	3.57E-04	6.87E-04	3.45E-05	3.47E-04	5.91E-04	4.38E-05	1.97E-04	3.26E-04	1.08E-05
1292	742023.88	4109704.03	1.22E-03	2.23E-03	1.22E-04	1.90E-04	3.65E-04	1.83E-05	1.84E-04	3.14E-04	2.33E-05	1.05E-04	1.73E-04	5.74E-06
1293	742046.24	4109699.91	1.27E-03	2.31E-03	1.27E-04	1.96E-04	3.78E-04	1.90E-05	1.91E-04	3.25E-04	2.41E-05	1.08E-04	1.79E-04	5.95E-06
1294	742068.6	4109695.79	1.31E-03	2.38E-03	1.31E-04	2.03E-04	3.91E-04	1.96E-05	1.97E-04	3.36E-04	2.49E-05	1.12E-04	1.85E-04	6.15E-06
1295	742090.96	4109691.66	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.02E-05	2.03E-04	3.46E-04	2.57E-05	1.15E-04	1.91E-04	6.33E-06
1296	742132.15	4109700.29	1.60E-03	2.92E-03	1.60E-04	2.48E-04	4.78E-04	2.40E-05	2.41E-04	4.11E-04	3.05E-05	1.37E-04	2.27E-04	7.52E-06
1297	742150.98	4109713.03	1.88E-03	3.43E-03	1.88E-04	2.92E-04	5.62E-04	2.82E-05	2.84E-04	4.83E-04	3.58E-05	1.61E-04	2.67E-04	8.84E-06
1298	742169.81	4109725.77	2.23E-03	4.06E-03	2.23E-04	3.46E-04	6.66E-04	3.35E-05	3.36E-04	5.73E-04	4.25E-05	1.91E-04	3.16E-04	1.05E-05
1299	742001.52	4109708.15	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.53E-04	1.77E-05	1.78E-04	3.03E-04	2.25E-05	1.01E-04	1.67E-04	5.55E-06
1300	741980.88	4109721.41	1.22E-03	2.22E-03	1.22E-04	1.89E-04	3.64E-04	1.83E-05	1.84E-04	3.13E-04	2.32E-05	1.04E-04	1.73E-04	5.72E-06
1301	741960.25	4109734.67	1.26E-03	2.30E-03	1.26E-04	1.96E-04	3.77E-04	1.89E-05	1.90E-04	3.24E-04	2.40E-05	1.08E-04	1.79E-04	5.93E-06
1302	741939.61	4109747.92	1.31E-03	2.38E-03	1.31E-04	2.03E-04	3.91E-04	1.96E-05	1.97E-04	3.36E-04	2.49E-05	1.12E-04	1.85E-04	6.14E-06
1303	741918.97	4109761.18	1.35E-03	2.46E-03	1.35E-04	2.10E-04	4.04E-04	2.03E-05	2.04E-04	3.47E-04	2.58E-05	1.16E-04	1.92E-04	6.35E-06
1304	741898.33	4109774.44	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.18E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.57E-06
1305	741877.69	4109787.69	1.45E-03	2.64E-03	1.45E-04	2.25E-04	4.33E-04	2.17E-05	2.18E-04	3.72E-04	2.76E-05	1.24E-04	2.05E-04	6.80E-06
1306	741995.8	4109662.16	8.86E-04	1.61E-03	8.86E-05	1.37E-04	2.65E-04	1.33E-05	1.34E-04	2.28E-04	1.69E-05	7.59E-05	1.26E-04	4.16E-06
1307	742038.39	4109654.31	9.32E-04	1.70E-03	9.33E-05	1.45E-04	2.79E-04	1.40E-05	1.41E-04	2.40E-04	1.78E-05	7.99E-05	1.32E-04	4.38E-06
1308	742080.98	4109646.45	9.74E-04	1.78E-03	9.75E-05	1.51E-04	2.91E-04	1.46E-05	1.47E-04	2.50E-04	1.86E-05	8.35E-05	1.38E-04	4.58E-06
1309	742141.5	4109650.74	1.13E-03	2.06E-03	1.13E-04	1.75E-04	3.38E-04	1.70E-05	1.70E-04	2.91E-04	2.15E-05	9.69E-05	1.60E-04	5.31E-06
1310	742177.37	4109675.01	1.46E-03	2.65E-03	1.46E-04	2.26E-04	4.35E-04	2.19E-05	2.20E-04	3.74E-04	2.78E-05	1.25E-04	2.06E-04	6.84E-06
1311	742213.23	4109699.29	1.93E-03	3.51E-03	1.93E-04	2.99E-04	5.76E-04	2.89E-05	2.91E-04	4.95E-04	3.67E-05	1.65E-04	2.73E-04	9.06E-06
1312	741953.86	4109679.34	8.79E-04	1.60E-03	8.80E-05	1.36E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.53E-05	1.25E-04	4.13E-06
1313	741933.22	4109692.6	9.02E-04	1.64E-03	9.03E-05	1.40E-04	2.70E-04	1.35E-05	1.36E-04	2.32E-04	1.72E-05	7.73E-05	1.28E-04	4.24E-06
1314	741912.59	4109705.85	9.29E-04	1.69E-03	9.30E-05	1.44E-04	2.78E-04	1.39E-05	1.40E-04	2.39E-04	1.77E-05	7.96E-05	1.32E-04	4.37E-06
1315	741891.95	4109719.11	9.56E-04	1.74E-03	9.57E-05	1.48E-04	2.86E-04	1.44E-05	1.44E-04	2.46E-04	1.82E-05	8.19E-05	1.36E-04	4.49E-06
1316	741871.31	4109732.37	9.83E-04	1.79E-03	9.84E-05	1.52E-04	2.94E-04	1.48E-05	1.48E-04	2.53E-04	1.87E-05	8.42E-05	1.39E-04	4.62E-06
1317	741850.67	4109745.62	1.01E-03	1.84E-03	1.01E-04	1.57E-04	3.02E-04	1.52E-05	1.52E-04	2.60E-04	1.93E-05	8.66E-05	1.43E-04	4.75E-06
1318	741970.77	4109619.72	6.78E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.81E-05	9.62E-05	3.19E-06
1319	741994.06	4109615.43	6.97E-04	1.27E-03	6.98E-05	1.08E-04	2.08E-04	1.05E-05	1.05E-04	1.79E-04	1.33E-05	5.98E-05	9.89E-05	3.28E-06
1320	742017.35	4109611.13	7.14E-04	1.30E-03	7.15E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.84E-04	1.36E-05	6.12E-05	1.01E-04	3.36E-06
1321	742040.64	4109606.84	7.29E-04	1.33E-03	7.29E-05	1.13E-04	2.18E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.24E-05	1.03E-04	3.42E-06
1322	742063.94	4109602.55	7.42E-04	1.35E-03	7.43E-05	1.15E-04	2.22E-04	1.11E-05	1.12E-04	1.91E-04	1.41E-05	6.36E-05	1.05E-04	3.49E-06
1323	742087.23	4109598.25	7.56E-04	1.38E-03	7.56E-05	1.17E-04	2.26E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.48E-05	1.07E-04	3.55E-06
1324	742110.52	4109593.96	7.69E-04	1.40E-03	7.70E-05	1.19E-04	2.30E-04	1.15E-05	1.16E-04	1.98E-04	1.47E-05	6.59E-05	1.09E-04	3.61E-06
1325	742153.43	4109602.94	8.64E-04	1.58E-03	8.65E-05	1.34E-04	2.58E-04	1.30E-05	1.30E-04	2.22E-04	1.65E-05	7.41E-05	1.23E-04	4.06E-06
1326	742173.04	4109616.21	9.63E-04	1.76E-03	9.64E-05	1.49E-04	2.88E-04	1.45E-05	1.45E-04	2.48E-04	1.84E-05	8.26E-05	1.37E-04	4.53E-06
1327	742192.65	4109629.49	1.09E-03	1.98E-03	1.09E-04	1.68E-04	3.24E-04	1.63E-05	1.64E-04	2.79E-04	2.07E-05	9.30E-05	1.54E-04	5.10E-06
1328	742212.27	4109642.76	1.24E-03	2.25E-03	1.24E-04	1.92E-04	3.69E-04	1.86E-05	1.87E-04	3.18E-04	2.36E-05	1.06E-04	1.75E-04	5.81E-06
1329	742231.88	4109656.04	1.42E-03	2.58E-03	1.42E-04	2.20E-04	4.24E-04	2.13E-05	2.14E-04	3.64E-04	2.70E-05	1.21E-04	2.01E-04	6.66E-06
1330	742251.49	4109669.31	1.62E-03	2.95E-03	1.62E-04	2.51E-04	4.84E-04	2.43E-05	2.44E-04	4.16E-04	3.09E-05	1.39E-04	2.30E-04	7.61E-06
1331	742271.11	4109682.59	1.83E-03	3.34E-03	1.83E-04	2.84E-04	5.48E-04	2.75E-05	2.76E-04	4.71E-04	3.49E-05	1.57E-04	2.60E-04	8.61E-06
1332	741947.48	4109624.02	6.58E-04	1.20E-03	6.58E-05	1.02E-04	1.97E-04	9.88E-06	9.92E-05	1.69E-04	1.25E-05	5.64E-05	9.33E-05	3.09E-06
1333	741926.84	4109637.27	6.69E-04	1.22E-03	6.70E-05	1.04E-04	2.00E-04	1.00E-05	1.01E-04	1.72E-04	1.28E-05	5.74E-05	9.49E-05	3.15E-06
1334	741906.2	4109650.53	6.84E-04	1.25E-03	6.84E-05	1.06E-04	2.04E-04	1.03E-05	1.03E-04	1.76E-04	1.30E-05	5.86E-05	9.70E-05	3.21E-06
1335	741885.56	4109663.79	7.02E-04	1.28E-03	7.02E-05	1.09E-04	2.10E-04	1.05E-05	1.06E-04	1.80E-04	1.34E-05	6.01E-05	9.95E-05	3.30E-06
1336	741864.93	4109677.04	7.20E-04	1.31E-03	7.21E-05	1.12E-04	2.15E-04	1.08E-05	1.09E-04	1.85E-04	1.37E-05	6.17E-05	1.02E-04	3.39E-06
1337	741844.29	4109690.3	7.38E-04	1.35E-03	7.39E-05	1.14E-04	2.21E-04	1.11E-05	1.11E-04	1.90E-04	1.41E-05	6.33E-05	1.05E-04	3.47E-06
1338	741823.65	4109703.56	7.55E-04	1.38E-03	7.55E-05	1.17E-04	2.25E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.47E-05	1.07E-04	3.55E-06
1339	741942.82	4109577.82	5.36E-04	9.77E-04	5.36E-05	8.31E-05	1.60E-04	8.04E-06	8.08E-05	1.38E-04	1.02E-05	4.59E-05	7.60E-05	2.52E-06
1340	741965.18	4109573.7	5.49E-04	1.00E-03	5.49E-05	8.51E-05	1.64E-04	8.24E-06	8.28E-05	1.41E-04	1.05E-05	4.70E-05	7.78E-05	2.58E-06
1341	741987.54	4109569.58	5.62E-04	1.02E-03	5.62E-05	8.71E-05	1.68E-04	8.43E-06	8.47E-05	1.44E-04	1.07E-05	4.81E-05	7.96E-05	2.64E-06
1342	742009.9	4109565.46	5.73E-04	1.04E-03	5.73E-05	8.89E-05	1.71E-04	8.60E-06	8.64E-05	1.47E-04	1.09E-05	4.91E-05	8.13E-05	2.69E-06
1343	742032.26	4109561.34	5.83E-04	1.06E-03	5.84E-05	9.05E-05	1.74E-04	8.76E-06	8.80E-05	1.50E-04	1.11E-05	5.00E-05	8.27E-05	2.74E-06
1344	742054.62	4109557.21	5.93E-04	1.08E-03	5.93E-05	9.19E-05	1.77E-04	8.90E-06	8.94E-05	1.52E-04	1.13E-05	5.08E-05	8.41E-05	2.79E-06
1345	742076.98	4109553.09	6.02E-04	1.10E-03	6.02E-05	9.34E-05	1.80E-04	9.04E-06	9.08E-05	1.55E-04	1.15E-05	5.16E-05	8.54E-05	2.83E-06

1346	742099.34	4109548.97	6.11E-04	1.11E-03	6.12E-05	9.48E-05	1.83E-04	9.18E-06	9.22E-05	1.57E-04	1.16E-05	5.24E-05	8.67E-05	2.87E-06
1347	742121.7	4109544.85	6.20E-04	1.13E-03	6.20E-05	9.62E-05	1.85E-04	9.31E-06	9.35E-05	1.59E-04	1.18E-05	5.31E-05	8.79E-05	2.91E-06
1348	742162.88	4109553.47	6.81E-04	1.24E-03	6.81E-05	1.06E-04	2.03E-04	1.02E-05	1.03E-04	1.75E-04	1.30E-05	5.83E-05	9.65E-05	3.20E-06
1349	742181.71	4109566.21	7.41E-04	1.35E-03	7.42E-05	1.15E-04	2.21E-04	1.11E-05	1.12E-04	1.91E-04	1.41E-05	6.35E-05	1.05E-04	3.48E-06
1350	742200.54	4109578.96	8.13E-04	1.48E-03	8.13E-05	1.26E-04	2.43E-04	1.22E-05	1.23E-04	2.09E-04	1.55E-05	6.96E-05	1.15E-04	3.82E-06
1351	742219.37	4109591.7	9.00E-04	1.64E-03	9.01E-05	1.40E-04	2.69E-04	1.35E-05	1.36E-04	2.31E-04	1.72E-05	7.71E-05	1.28E-04	4.23E-06
1352	742238.2	4109604.45	1.01E-03	1.83E-03	1.01E-04	1.56E-04	3.01E-04	1.51E-05	1.52E-04	2.59E-04	1.92E-05	8.63E-05	1.43E-04	4.73E-06
1353	742257.03	4109617.19	1.13E-03	2.06E-03	1.13E-04	1.76E-04	3.38E-04	1.70E-05	1.71E-04	2.91E-04	2.16E-05	9.70E-05	1.60E-04	5.32E-06
1354	742275.86	4109629.93	1.27E-03	2.32E-03	1.27E-04	1.97E-04	3.80E-04	1.91E-05	1.92E-04	3.27E-04	2.42E-05	1.09E-04	1.80E-04	5.98E-06
1355	742294.69	4109642.68	1.42E-03	2.59E-03	1.42E-04	2.20E-04	4.24E-04	2.13E-05	2.14E-04	3.65E-04	2.70E-05	1.22E-04	2.01E-04	6.67E-06
1356	742313.52	4109655.42	1.57E-03	2.86E-03	1.57E-04	2.43E-04	4.68E-04	2.35E-05	2.36E-04	4.03E-04	2.99E-05	1.34E-04	2.22E-04	7.36E-06
1357	741920.46	4109581.95	5.23E-04	9.53E-04	5.23E-05	8.11E-05	1.56E-04	7.85E-06	7.89E-05	1.34E-04	9.97E-06	4.48E-05	7.42E-05	2.46E-06
1358	741899.82	4109595.2	5.31E-04	9.68E-04	5.31E-05	8.24E-05	1.59E-04	7.97E-06	8.01E-05	1.37E-04	1.01E-05	4.55E-05	7.53E-05	2.50E-06
1359	741879.18	4109608.46	5.41E-04	9.86E-04	5.41E-05	8.39E-05	1.62E-04	8.12E-06	8.16E-05	1.39E-04	1.03E-05	4.63E-05	7.67E-05	2.54E-06
1360	741858.54	4109621.72	5.53E-04	1.01E-03	5.53E-05	8.58E-05	1.65E-04	8.30E-06	8.34E-05	1.42E-04	1.05E-05	4.74E-05	7.84E-05	2.60E-06
1361	741837.9	4109634.97	5.67E-04	1.03E-03	5.67E-05	8.79E-05	1.69E-04	8.50E-06	8.54E-05	1.46E-04	1.08E-05	4.86E-05	8.03E-05	2.66E-06
1362	741817.26	4109648.23	5.80E-04	1.06E-03	5.80E-05	8.99E-05	1.73E-04	8.70E-06	8.74E-05	1.49E-04	1.10E-05	4.97E-05	8.22E-05	2.72E-06
1363	741796.63	4109661.49	5.91E-04	1.08E-03	5.91E-05	9.16E-05	1.76E-04	8.87E-06	8.91E-05	1.52E-04	1.13E-05	5.06E-05	8.38E-05	2.78E-06
1364	741889.35	4109493.58	3.65E-04	6.65E-04	3.65E-05	5.66E-05	1.09E-04	5.47E-06	5.50E-05	9.38E-05	6.95E-06	3.13E-05	5.17E-05	1.71E-06
1365	741912.28	4109489.35	3.71E-04	6.76E-04	3.71E-05	5.76E-05	1.11E-04	5.57E-06	5.60E-05	9.54E-05	7.07E-06	3.18E-05	5.26E-05	1.74E-06
1366	741935.21	4109485.12	3.77E-04	6.87E-04	3.77E-05	5.85E-05	1.13E-04	5.66E-06	5.69E-05	9.70E-05	7.19E-06	3.23E-05	5.35E-05	1.77E-06
1367	741958.14	4109480.9	3.83E-04	6.99E-04	3.84E-05	5.95E-05	1.15E-04	5.75E-06	5.78E-05	9.86E-05	7.31E-06	3.29E-05	5.44E-05	1.80E-06
1368	741981.08	4109476.67	3.90E-04	7.11E-04	3.90E-05	6.05E-05	1.17E-04	5.86E-06	5.88E-05	1.00E-04	7.44E-06	3.34E-05	5.53E-05	1.83E-06
1369	742004.01	4109472.44	3.97E-04	7.24E-04	3.98E-05	6.16E-05	1.19E-04	5.97E-06	5.99E-05	1.02E-04	7.57E-06	3.41E-05	5.64E-05	1.87E-06
1370	742026.94	4109468.21	4.05E-04	7.38E-04	4.05E-05	6.28E-05	1.21E-04	6.08E-06	6.11E-05	1.04E-04	7.72E-06	3.47E-05	5.74E-05	1.90E-06
1371	742049.88	4109463.99	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.94E-06
1372	742072.81	4109459.76	4.19E-04	7.63E-04	4.19E-05	6.49E-05	1.25E-04	6.28E-06	6.31E-05	1.08E-04	7.98E-06	3.59E-05	5.94E-05	1.97E-06
1373	742095.74	4109455.53	4.24E-04	7.73E-04	4.25E-05	6.58E-05	1.27E-04	6.37E-06	6.40E-05	1.09E-04	8.08E-06	3.64E-05	6.02E-05	1.99E-06
1374	742118.68	4109451.3	4.29E-04	7.82E-04	4.30E-05	6.66E-05	1.28E-04	6.44E-06	6.47E-05	1.10E-04	8.18E-06	3.68E-05	6.09E-05	2.02E-06
1375	742141.61	4109447.07	4.34E-04	7.90E-04	4.34E-05	6.73E-05	1.30E-04	6.51E-06	6.54E-05	1.11E-04	8.26E-06	3.72E-05	6.15E-05	2.04E-06
1376	742183.86	4109455.92	4.65E-04	8.48E-04	4.66E-05	7.22E-05	1.39E-04	6.99E-06	7.02E-05	1.20E-04	8.87E-06	3.99E-05	6.60E-05	2.19E-06
1377	742203.17	4109468.99	4.96E-04	9.03E-04	4.96E-05	7.69E-05	1.48E-04	7.44E-06	7.47E-05	1.27E-04	9.45E-06	4.25E-05	7.03E-05	2.33E-06
1378	742222.48	4109482.06	5.29E-04	9.64E-04	5.30E-05	8.21E-05	1.58E-04	7.94E-06	7.98E-05	1.36E-04	1.01E-05	4.53E-05	7.50E-05	2.49E-06
1379	742241.79	4109495.13	5.69E-04	1.04E-03	5.69E-05	8.82E-05	1.70E-04	8.53E-06	8.57E-05	1.46E-04	1.08E-05	4.87E-05	8.06E-05	2.67E-06
1380	742261.1	4109508.2	6.16E-04	1.12E-03	6.17E-05	9.56E-05	1.84E-04	9.25E-06	9.29E-05	1.58E-04	1.17E-05	5.28E-05	8.74E-05	2.90E-06
1381	742280.42	4109521.27	6.74E-04	1.23E-03	6.75E-05	1.05E-04	2.01E-04	1.01E-05	1.02E-04	1.73E-04	1.28E-05	5.78E-05	9.56E-05	3.17E-06
1382	742299.73	4109534.34	7.43E-04	1.35E-03	7.43E-05	1.15E-04	2.22E-04	1.11E-05	1.12E-04	1.91E-04	1.42E-05	6.37E-05	1.05E-04	3.49E-06
1383	742319.04	4109547.41	8.21E-04	1.50E-03	8.21E-05	1.27E-04	2.45E-04	1.23E-05	1.24E-04	2.11E-04	1.56E-05	7.03E-05	1.16E-04	3.86E-06
1384	742338.35	4109560.48	9.04E-04	1.65E-03	9.05E-05	1.40E-04	2.70E-04	1.36E-05	1.36E-04	2.32E-04	1.72E-05	7.75E-05	1.28E-04	4.25E-06
1385	742357.67	4109573.55	9.91E-04	1.81E-03	9.91E-05	1.54E-04	2.96E-04	1.49E-05	1.49E-04	2.55E-04	1.89E-05	8.49E-05	1.40E-04	4.66E-06
1386	742376.98	4109586.63	1.08E-03	1.96E-03	1.08E-04	1.67E-04	3.22E-04	1.62E-05	1.62E-04	2.77E-04	2.05E-05	9.23E-05	1.53E-04	5.06E-06
1387	742396.29	4109599.7	1.17E-03	2.12E-03	1.17E-04	1.81E-04	3.48E-04	1.75E-05	1.76E-04	3.00E-04	2.22E-05	9.99E-05	1.65E-04	5.48E-06
1388	741866.41	4109497.81	3.58E-04	6.52E-04	3.58E-05	5.55E-05	1.07E-04	5.37E-06	5.40E-05	9.20E-05	6.82E-06	3.07E-05	5.08E-05	1.68E-06
1389	741845.77	4109511.06	3.63E-04	6.61E-04	3.63E-05	5.63E-05	1.08E-04	5.44E-06	5.47E-05	9.33E-05	6.91E-06	3.11E-05	5.14E-05	1.70E-06
1390	741825.14	4109524.32	3.68E-04	6.71E-04	3.69E-05	5.71E-05	1.10E-04	5.53E-06	5.55E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
1391	741804.5	4109537.58	3.75E-04	6.84E-04	3.75E-05	5.82E-05	1.12E-04	5.63E-06	5.66E-05	9.65E-05	7.15E-06	3.22E-05	5.32E-05	1.76E-06
1392	741783.86	4109550.83	3.83E-04	6.98E-04	3.83E-05	5.94E-05	1.14E-04	5.75E-06	5.78E-05	9.85E-05	7.30E-06	3.28E-05	5.43E-05	1.80E-06
1393	741763.22	4109564.09	3.91E-04	7.12E-04	3.91E-05	6.06E-05	1.17E-04	5.87E-06	5.89E-05	1.00E-04	7.45E-06	3.35E-05	5.54E-05	1.84E-06
1394	741742.58	4109577.35	3.97E-04	7.24E-04	3.98E-05	6.16E-05	1.19E-04	5.96E-06	5.99E-05	1.02E-04	7.57E-06	3.41E-05	5.63E-05	1.87E-06
1395	741835.66	4109409.38	2.67E-04	4.87E-04	2.67E-05	4.14E-05	7.98E-05	4.01E-06	4.03E-05	6.87E-05	5.09E-06	2.29E-05	3.79E-05	1.26E-06
1396	741858.95	4109405.08	2.71E-04	4.94E-04	2.71E-05	4.20E-05	8.10E-05	4.07E-06	4.09E-05	6.97E-05	5.16E-06	2.32E-05	3.84E-05	1.27E-06
1397	741882.24	4109400.79	2.75E-04	5.01E-04	2.75E-05	4.26E-05	8.21E-05	4.12E-06	4.14E-05	7.06E-05	5.24E-06	2.35E-05	3.90E-05	1.29E-06
1398	741905.53	4109396.49	2.79E-04	5.08E-04	2.79E-05	4.32E-05	8.32E-05	4.18E-06	4.20E-05	7.16E-05	5.31E-06	2.39E-05	3.95E-05	1.31E-06
1399	741928.83	4109392.2	2.82E-04	5.14E-04	2.82E-05	4.38E-05	8.43E-05	4.24E-06	4.26E-05	7.25E-05	5.38E-06	2.42E-05	4.00E-05	1.33E-06
1400	741952.12	4109387.91	2.86E-04	5.21E-04	2.86E-05	4.44E-05	8.55E-05	4.29E-06	4.31E-05	7.35E-05	5.45E-06	2.45E-05	4.06E-05	1.34E-06
1401	741975.41	4109383.61	2.90E-04	5.29E-04	2.91E-05	4.50E-05	8.67E-05	4.36E-06	4.38E-05	7.46E-05	5.53E-06	2.49E-05	4.12E-05	1.36E-06
1402	741998.7	4109379.32	2.95E-04	5.38E-04	2.95E-05	4.58E-05	8.82E-05	4.43E-06	4.45E-05	7.59E-05	5.63E-06	2.53E-05	4.19E-05	1.39E-06
1403	742021.99	4109375.02	3.01E-04	5.48E-04	3.01E-05	4.66E-05	8.98E-05	4.51E-06	4.53E-05	7.73E-05	5.73E-06	2.58E-05	4.26E-05	1.41E-06
1404	742045.28	4109370.73	3.06E-04	5.57E-04	3.06E-05	4.74E-05	9.13E-05	4.59E-06	4.61E-05	7.86E-05	5.83E-06	2.62E-05	4.34E-05	1.44E-06
1405	742068.57	4109366.44	3.11E-04	5.66E-04	3.11E-05	4.82E-05	9.28E-05	4.66E-06	4.68E-05	7.98E-05	5.92E-06	2.66E-05	4.40E-05	1.46E-06
1406	742091.87	4109362.14	3.15E-04	5.74E-04	3.15E-05	4.88E-05	9.41E-05	4.73E-06	4.75E-05	8.09E-05	6.00E-06	2.70E-05	4.46E-05	1.48E-06
1407	742115.16	4109357.85	3.19E-04	5.81E-04	3.19E-05	4.94E-05	9.52E-05	4.78E-06	4.80E-05	8.19E-05	6.07E-06	2.73E-05	4.52E-05	1.50E-06
1408	742138.45	4109353.55	3.22E-04	5.86E-04	3.22E-05	4.99E-05	9.61E-05	4.83E-06	4.85E-05	8.27E-05	6.13E-06	2.76E-05	4.56E-05	1.51E-06
1409	742161.74	4109349.26	3.25E-04	5.92E-04	3.25E-05	5.03E-05	9.70E-05	4.87E-06	4.90E-05	8.35E-05	6.19E-06	2.78E-05	4.60E-05	1.53E-06
1410	742204.65	4109358.24	3.44E-04	6.27E-04	3.44E-05	5.33E-05	1.03E-04	5.16E-06	5.19E-05	8.84E-05	6.56E-06	2.95E-05	4.88E-05	1.62E-06
1411	742224.26	4109371.52	3.61E-04	6.59E-04	3.62E-05	5.61E-05	1.08E-04	5.43E-06	5.45E-05	9.29E-05	6.89E-06	3.10E-05	5.13E-05	1.70E-06
1412	742243.87	4109384.79	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.72E-05	9.76E-05	7.23E-06	3.25E-05	5.38E-05	1.78E-06
1413	742263.49	4109398.07	4.00E-04	7.28E-04	4.00E-05	6.20E-05	1.19E-04	6.00E-06	6.03E-05	1.03E-04	7.62E-06	3.42E-05	5.67E-05	1.88E-06
1414	742283.1	4109411.34	4.23E-04	7.71E-04	4.23E-05	6.56E-05	1.26E-04	6.35E-06	6.38E-05	1.09E-04	8.06E-06	3.62E-05	6.00E-05	1.99E-06
1415	742302.72	4109424.62	4.51E-04	8.22E-04	4.52E-05	7.00E-05	1.35E-04	6.77E-06	6.81E-05	1.16E-04	8.60E-06	3.87E-05	6.40E-05	2.12E-06
1416	742322.33	4109437.89	4.86E-04	8.85E-04	4.86E-05	7.53E-05	1.45E-04	7.29E-06	7.33E-05	1.25E-04	9.26E-06	4.16E-05	6.89E-05	2.28E-06

1417	742341.94	4109451.17	5.27E-04	9.59E-04	5.27E-05	8.16E-05	1.57E-04	7.90E-06	7.94E-05	1.35E-04	1.00E-05	4.51E-05	7.47E-05	2.47E-06
1418	742361.56	4109464.44	5.73E-04	1.04E-03	5.73E-05	8.88E-05	1.71E-04	8.60E-06	8.64E-05	1.47E-04	1.09E-05	4.91E-05	8.12E-05	2.69E-06
1419	742381.17	4109477.72	6.23E-04	1.14E-03	6.24E-05	9.66E-05	1.86E-04	9.35E-06	9.40E-05	1.60E-04	1.19E-05	5.34E-05	8.84E-05	2.93E-06
1420	742400.79	4109490.99	6.76E-04	1.23E-03	6.77E-05	1.05E-04	2.02E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.79E-05	9.59E-05	3.18E-06
1421	742420.4	4109504.27	7.31E-04	1.33E-03	7.32E-05	1.13E-04	2.19E-04	1.10E-05	1.10E-04	1.88E-04	1.39E-05	6.27E-05	1.04E-04	3.44E-06
1422	742440.01	4109517.54	7.88E-04	1.44E-03	7.89E-05	1.22E-04	2.35E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.75E-05	1.12E-04	3.70E-06
1423	742459.63	4109530.82	8.47E-04	1.54E-03	8.47E-05	1.31E-04	2.53E-04	1.27E-05	1.28E-04	2.18E-04	1.61E-05	7.26E-05	1.20E-04	3.98E-06
1424	742479.24	4109544.09	9.06E-04	1.65E-03	9.06E-05	1.40E-04	2.71E-04	1.36E-05	1.37E-04	2.33E-04	1.73E-05	7.76E-05	1.28E-04	4.26E-06
1425	741812.37	4109413.67	2.63E-04	4.80E-04	2.64E-05	4.08E-05	7.87E-05	3.95E-06	3.97E-05	6.77E-05	5.02E-06	2.26E-05	3.73E-05	1.24E-06
1426	741791.73	4109426.93	2.67E-04	4.87E-04	2.67E-05	4.14E-05	7.98E-05	4.01E-06	4.03E-05	6.87E-05	5.09E-06	2.29E-05	3.79E-05	1.26E-06
1427	741771.09	4109440.18	2.71E-04	4.94E-04	2.71E-05	4.20E-05	8.10E-05	4.07E-06	4.09E-05	6.97E-05	5.17E-06	2.32E-05	3.84E-05	1.27E-06
1428	741750.45	4109453.44	2.76E-04	5.02E-04	2.76E-05	4.27E-05	8.23E-05	4.14E-06	4.16E-05	7.08E-05	5.25E-06	2.36E-05	3.91E-05	1.30E-06
1429	741729.81	4109466.7	2.81E-04	5.12E-04	2.81E-05	4.35E-05	8.39E-05	4.21E-06	4.23E-05	7.22E-05	5.35E-06	2.41E-05	3.98E-05	1.32E-06
1430	741709.18	4109479.95	2.86E-04	5.21E-04	2.86E-05	4.43E-05	8.54E-05	4.29E-06	4.31E-05	7.35E-05	5.45E-06	2.45E-05	4.05E-05	1.34E-06
1431	741688.54	4109493.21	2.90E-04	5.29E-04	2.91E-05	4.50E-05	8.68E-05	4.36E-06	4.38E-05	7.47E-05	5.53E-06	2.49E-05	4.12E-05	1.36E-06
1432	741781.86	4109325.19	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
1433	741805.4	4109320.85	2.08E-04	3.79E-04	2.08E-05	3.22E-05	6.21E-05	3.12E-06	3.14E-05	5.35E-05	3.96E-06	1.78E-05	2.95E-05	9.77E-07
1434	741828.93	4109316.51	2.10E-04	3.83E-04	2.10E-05	3.26E-05	6.28E-05	3.15E-06	3.17E-05	5.40E-05	4.01E-06	1.80E-05	2.98E-05	9.88E-07
1435	741852.47	4109312.18	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.35E-05	3.19E-06	3.21E-05	5.47E-05	4.05E-06	1.82E-05	3.02E-05	1.00E-06
1436	741876.01	4109307.84	2.16E-04	3.93E-04	2.16E-05	3.34E-05	6.44E-05	3.24E-06	3.25E-05	5.54E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
1437	741899.54	4109303.5	2.19E-04	3.98E-04	2.19E-05	3.39E-05	6.53E-05	3.28E-06	3.30E-05	5.62E-05	4.17E-06	1.87E-05	3.10E-05	1.03E-06
1438	741923.08	4109299.16	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.33E-06	3.34E-05	5.70E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
1439	741946.62	4109294.82	2.24E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
1440	741970.15	4109290.48	2.27E-04	4.14E-04	2.28E-05	3.53E-05	6.79E-05	3.41E-06	3.43E-05	5.85E-05	4.33E-06	1.95E-05	3.22E-05	1.07E-06
1441	741993.69	4109286.14	2.31E-04	4.20E-04	2.31E-05	3.58E-05	6.89E-05	3.46E-06	3.48E-05	5.93E-05	4.39E-06	1.98E-05	3.27E-05	1.08E-06
1442	742017.23	4109281.8	2.34E-04	4.26E-04	2.34E-05	3.63E-05	6.99E-05	3.51E-06	3.53E-05	6.02E-05	4.46E-06	2.01E-05	3.32E-05	1.10E-06
1443	742040.76	4109277.46	2.37E-04	4.33E-04	2.38E-05	3.68E-05	7.10E-05	3.56E-06	3.58E-05	6.11E-05	4.53E-06	2.04E-05	3.37E-05	1.12E-06
1444	742064.3	4109273.12	2.41E-04	4.39E-04	2.41E-05	3.74E-05	7.20E-05	3.62E-06	3.63E-05	6.19E-05	4.59E-06	2.06E-05	3.42E-05	1.13E-06
1445	742087.84	4109268.78	2.44E-04	4.45E-04	2.44E-05	3.79E-05	7.29E-05	3.66E-06	3.68E-05	6.28E-05	4.65E-06	2.09E-05	3.46E-05	1.15E-06
1446	742111.37	4109264.45	2.47E-04	4.50E-04	2.47E-05	3.83E-05	7.38E-05	3.71E-06	3.73E-05	6.35E-05	4.71E-06	2.12E-05	3.50E-05	1.16E-06
1447	742134.91	4109260.11	2.50E-04	4.55E-04	2.50E-05	3.87E-05	7.46E-05	3.75E-06	3.77E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
1448	742158.45	4109255.77	2.52E-04	4.60E-04	2.52E-05	3.91E-05	7.54E-05	3.79E-06	3.80E-05	6.48E-05	4.81E-06	2.16E-05	3.58E-05	1.19E-06
1449	742181.98	4109251.43	2.54E-04	4.64E-04	2.55E-05	3.95E-05	7.60E-05	3.82E-06	3.84E-05	6.54E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
1450	742225.34	4109260.5	2.68E-04	4.88E-04	2.68E-05	4.15E-05	8.00E-05	4.02E-06	4.04E-05	6.88E-05	5.10E-06	2.29E-05	3.79E-05	1.26E-06
1451	742245.16	4109273.92	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.33E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
1452	742264.98	4109287.33	2.90E-04	5.29E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.46E-05	5.53E-06	2.49E-05	4.11E-05	1.36E-06
1453	742284.8	4109300.75	3.01E-04	5.49E-04	3.02E-05	4.67E-05	9.01E-05	4.52E-06	4.55E-05	7.75E-05	5.74E-06	2.58E-05	4.27E-05	1.42E-06
1454	742304.62	4109314.16	3.14E-04	5.72E-04	3.14E-05	4.87E-05	9.38E-05	4.71E-06	4.74E-05	8.07E-05	5.98E-06	2.69E-05	4.45E-05	1.48E-06
1455	742324.44	4109327.58	3.29E-04	6.00E-04	3.29E-05	5.10E-05	9.83E-05	4.94E-06	4.96E-05	8.46E-05	6.27E-06	2.82E-05	4.67E-05	1.55E-06
1456	742344.26	4109340.99	3.47E-04	6.33E-04	3.47E-05	5.38E-05	1.04E-04	5.21E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.92E-05	1.63E-06
1457	742364.08	4109354.41	3.69E-04	6.72E-04	3.69E-05	5.72E-05	1.10E-04	5.54E-06	5.57E-05	9.49E-05	7.03E-06	3.16E-05	5.23E-05	1.73E-06
1458	742383.9	4109367.82	3.95E-04	7.19E-04	3.95E-05	6.12E-05	1.18E-04	5.92E-06	5.95E-05	1.01E-04	7.52E-06	3.38E-05	5.59E-05	1.85E-06
1459	742403.72	4109381.24	4.23E-04	7.72E-04	4.24E-05	6.57E-05	1.27E-04	6.36E-06	6.39E-05	1.09E-04	8.07E-06	3.63E-05	6.00E-05	1.99E-06
1460	742423.54	4109394.65	4.55E-04	8.30E-04	4.56E-05	7.06E-05	1.36E-04	6.83E-06	6.87E-05	1.17E-04	8.68E-06	3.90E-05	6.46E-05	2.14E-06
1461	742443.37	4109408.07	4.90E-04	8.93E-04	4.90E-05	7.60E-05	1.46E-04	7.35E-06	7.39E-05	1.26E-04	9.34E-06	4.20E-05	6.95E-05	2.30E-06
1462	742463.19	4109421.48	5.27E-04	9.59E-04	5.27E-05	8.17E-05	1.57E-04	7.90E-06	7.94E-05	1.35E-04	1.00E-05	4.51E-05	7.47E-05	2.47E-06
1463	742483.01	4109434.9	5.65E-04	1.03E-03	5.66E-05	8.77E-05	1.69E-04	8.49E-06	8.53E-05	1.45E-04	1.08E-05	4.85E-05	8.02E-05	2.66E-06
1464	742502.83	4109448.31	6.06E-04	1.10E-03	6.06E-05	9.40E-05	1.81E-04	9.09E-06	9.14E-05	1.56E-04	1.15E-05	5.19E-05	8.59E-05	2.85E-06
1465	742522.65	4109461.73	6.47E-04	1.18E-03	6.47E-05	1.00E-04	1.93E-04	9.71E-06	9.75E-05	1.66E-04	1.23E-05	5.54E-05	9.17E-05	3.04E-06
1466	742542.47	4109475.14	6.86E-04	1.25E-03	6.87E-05	1.06E-04	2.05E-04	1.03E-05	1.03E-04	1.76E-04	1.31E-05	5.88E-05	9.73E-05	3.22E-06
1467	742562.29	4109488.56	7.23E-04	1.32E-03	7.23E-05	1.12E-04	2.16E-04	1.09E-05	1.09E-04	1.86E-04	1.38E-05	6.19E-05	1.03E-04	3.40E-06
1468	741758.32	4109329.53	2.04E-04	3.71E-04	2.04E-05	3.16E-05	6.09E-05	3.06E-06	3.07E-05	5.24E-05	3.88E-06	1.75E-05	2.89E-05	9.58E-07
1469	741737.68	4109342.79	2.07E-04	3.76E-04	2.07E-05	3.20E-05	6.17E-05	3.10E-06	3.12E-05	5.31E-05	3.94E-06	1.77E-05	2.93E-05	9.71E-07
1470	741717.05	4109356.05	2.10E-04	3.82E-04	2.10E-05	3.25E-05	6.26E-05	3.15E-06	3.16E-05	5.39E-05	3.99E-06	1.80E-05	2.97E-05	9.85E-07
1471	741696.41	4109369.3	2.13E-04	3.88E-04	2.13E-05	3.31E-05	6.37E-05	3.20E-06	3.21E-05	5.48E-05	4.06E-06	1.83E-05	3.02E-05	1.00E-06
1472	741675.77	4109382.56	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.48E-05	3.26E-06	3.27E-05	5.58E-05	4.13E-06	1.86E-05	3.08E-05	1.02E-06
1473	741655.13	4109395.82	2.21E-04	4.02E-04	2.21E-05	3.42E-05	6.60E-05	3.31E-06	3.33E-05	5.68E-05	4.21E-06	1.89E-05	3.13E-05	1.04E-06
1474	741634.49	4109409.07	2.24E-04	4.09E-04	2.24E-05	3.48E-05	6.70E-05	3.37E-06	3.38E-05	5.77E-05	4.27E-06	1.92E-05	3.18E-05	1.05E-06
1475	741727.99	4109241.02	1.65E-04	3.00E-04	1.65E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.23E-05	3.13E-06	1.41E-05	2.33E-05	7.73E-07
1476	741751.71	4109236.65	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.96E-05	2.49E-06	2.50E-05	4.27E-05	3.16E-06	1.42E-05	2.35E-05	7.80E-07
1477	741775.42	4109232.28	1.67E-04	3.05E-04	1.68E-05	2.60E-05	5.00E-05	2.51E-06	2.52E-05	4.30E-05	3.19E-06	1.43E-05	2.37E-05	7.87E-07
1478	741799.14	4109227.91	1.69E-04	3.08E-04	1.69E-05	2.62E-05	5.05E-05	2.54E-06	2.55E-05	4.34E-05	3.22E-06	1.45E-05	2.40E-05	7.94E-07
1479	741822.85	4109223.53	1.71E-04	3.11E-04	1.71E-05	2.65E-05	5.10E-05	2.56E-06	2.57E-05	4.39E-05	3.25E-06	1.46E-05	2.42E-05	8.02E-07
1480	741846.57	4109219.16	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.16E-05	2.59E-06	2.61E-05	4.44E-05	3.29E-06	1.48E-05	2.45E-05	8.12E-07
1481	741870.28	4109214.79	1.75E-04	3.19E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.48E-05	8.24E-07
1482	741894	4109210.42	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.35E-07
1483	741917.71	4109206.05	1.80E-04	3.29E-04	1.80E-05	2.80E-05	5.39E-05	2.71E-06	2.72E-05	4.63E-05	3.44E-06	1.54E-05	2.56E-05	8.47E-07
1484	741941.43	4109201.67	1.82E-04	3.32E-04	1.83E-05	2.83E-05	5.45E-05	2.74E-06	2.75E-05	4.69E-05	3.48E-06	1.56E-05	2.59E-05	8.58E-07
1485	741965.14	4109197.3	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.51E-05	2.77E-06	2.78E-05	4.74E-05	3.52E-06	1.58E-05	2.62E-05	8.67E-07
1486	741988.86	4109192.93	1.87E-04	3.40E-04	1.87E-05	2.89E-05	5.57E-05	2.80E-06	2.81E-05	4.80E-05	3.55E-06	1.60E-05	2.65E-05	8.77E-07
1487	742012.57	4109188.56	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07

1488	742036.29	4109184.19	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.71E-05	2.87E-06	2.88E-05	4.91E-05	3.64E-06	1.64E-05	2.71E-05	8.98E-07
1489	742060	4109179.81	1.93E-04	3.52E-04	1.94E-05	3.00E-05	5.78E-05	2.90E-06	2.92E-05	4.97E-05	3.69E-06	1.66E-05	2.74E-05	9.09E-07
1490	742083.72	4109175.44	1.96E-04	3.57E-04	1.96E-05	3.03E-05	5.85E-05	2.94E-06	2.95E-05	5.03E-05	3.73E-06	1.68E-05	2.77E-05	9.20E-07
1491	742107.43	4109171.07	1.98E-04	3.61E-04	1.98E-05	3.07E-05	5.91E-05	2.97E-06	2.98E-05	5.09E-05	3.77E-06	1.70E-05	2.81E-05	9.30E-07
1492	742131.15	4109166.7	2.00E-04	3.65E-04	2.00E-05	3.10E-05	5.98E-05	3.00E-06	3.02E-05	5.15E-05	3.81E-06	1.71E-05	2.84E-05	9.41E-07
1493	742154.86	4109162.33	2.02E-04	3.69E-04	2.02E-05	3.14E-05	6.04E-05	3.04E-06	3.05E-05	5.20E-05	3.85E-06	1.73E-05	2.87E-05	9.50E-07
1494	742178.58	4109157.95	2.04E-04	3.72E-04	2.04E-05	3.17E-05	6.10E-05	3.07E-06	3.08E-05	5.25E-05	3.89E-06	1.75E-05	2.90E-05	9.60E-07
1495	742202.29	4109153.58	2.06E-04	3.76E-04	2.06E-05	3.20E-05	6.16E-05	3.09E-06	3.11E-05	5.30E-05	3.93E-06	1.77E-05	2.92E-05	9.69E-07
1496	742245.98	4109162.73	2.16E-04	3.93E-04	2.16E-05	3.35E-05	6.45E-05	3.24E-06	3.26E-05	5.55E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
1497	742265.95	4109176.24	2.24E-04	4.08E-04	2.24E-05	3.47E-05	6.69E-05	3.36E-06	3.38E-05	5.75E-05	4.27E-06	1.92E-05	3.17E-05	1.05E-06
1498	742285.92	4109189.76	2.31E-04	4.21E-04	2.31E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.95E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
1499	742305.89	4109203.28	2.39E-04	4.35E-04	2.39E-05	3.70E-05	7.13E-05	3.58E-06	3.60E-05	6.13E-05	4.55E-06	2.04E-05	3.38E-05	1.12E-06
1500	742325.86	4109216.79	2.46E-04	4.48E-04	2.46E-05	3.82E-05	7.35E-05	3.69E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
1501	742345.83	4109230.31	2.55E-04	4.64E-04	2.55E-05	3.95E-05	7.61E-05	3.82E-06	3.84E-05	6.55E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
1502	742365.8	4109243.83	2.65E-04	4.83E-04	2.65E-05	4.11E-05	7.92E-05	3.98E-06	4.00E-05	6.81E-05	5.05E-06	2.27E-05	3.76E-05	1.25E-06
1503	742385.77	4109257.34	2.77E-04	5.05E-04	2.77E-05	4.30E-05	8.28E-05	4.16E-06	4.18E-05	7.13E-05	5.28E-06	2.38E-05	3.93E-05	1.30E-06
1504	742405.74	4109270.86	2.92E-04	5.31E-04	2.92E-05	4.52E-05	8.71E-05	4.38E-06	4.40E-05	7.50E-05	5.56E-06	2.50E-05	4.13E-05	1.37E-06
1505	742425.71	4109284.38	3.08E-04	5.62E-04	3.08E-05	4.78E-05	9.21E-05	4.63E-06	4.65E-05	7.92E-05	5.87E-06	2.64E-05	4.37E-05	1.45E-06
1506	742445.69	4109297.89	3.27E-04	5.96E-04	3.27E-05	5.07E-05	9.77E-05	4.91E-06	4.93E-05	8.41E-05	6.23E-06	2.80E-05	4.64E-05	1.54E-06
1507	742465.66	4109311.41	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.94E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
1508	742485.63	4109324.92	3.71E-04	6.77E-04	3.72E-05	5.76E-05	1.11E-04	5.57E-06	5.60E-05	9.55E-05	7.08E-06	3.18E-05	5.27E-05	1.75E-06
1509	742505.6	4109338.44	3.97E-04	7.24E-04	3.97E-05	6.16E-05	1.19E-04	5.96E-06	5.99E-05	1.02E-04	7.57E-06	3.40E-05	5.63E-05	1.87E-06
1510	742525.57	4109351.96	4.25E-04	7.74E-04	4.25E-05	6.59E-05	1.27E-04	6.38E-06	6.41E-05	1.09E-04	8.10E-06	3.64E-05	6.02E-05	2.00E-06
1511	742545.54	4109365.47	4.54E-04	8.27E-04	4.54E-05	7.04E-05	1.36E-04	6.81E-06	6.84E-05	1.17E-04	8.65E-06	3.89E-05	6.43E-05	2.13E-06
1512	742565.51	4109378.99	4.83E-04	8.80E-04	4.83E-05	7.49E-05	1.44E-04	7.25E-06	7.28E-05	1.24E-04	9.20E-06	4.14E-05	6.85E-05	2.27E-06
1513	742585.48	4109392.51	5.12E-04	9.32E-04	5.12E-05	7.94E-05	1.53E-04	7.68E-06	7.72E-05	1.32E-04	9.75E-06	4.38E-05	7.26E-05	2.40E-06
1514	742605.45	4109406.02	5.40E-04	9.83E-04	5.40E-05	8.37E-05	1.61E-04	8.10E-06	8.14E-05	1.39E-04	1.03E-05	4.62E-05	7.65E-05	2.54E-06
1515	742625.42	4109419.54	5.65E-04	1.03E-03	5.66E-05	8.77E-05	1.69E-04	8.49E-06	8.53E-05	1.45E-04	1.08E-05	4.85E-05	8.02E-05	2.66E-06
1516	742645.39	4109433.06	5.88E-04	1.07E-03	5.88E-05	9.12E-05	1.76E-04	8.82E-06	8.87E-05	1.51E-04	1.12E-05	5.04E-05	8.34E-05	2.76E-06
1517	741704.28	4109245.39	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.88E-05	2.45E-06	2.46E-05	4.20E-05	3.11E-06	1.40E-05	2.31E-05	7.67E-07
1518	741683.64	4109258.65	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.94E-05	2.48E-06	2.49E-05	4.25E-05	3.15E-06	1.42E-05	2.34E-05	7.77E-07
1519	741663	4109271.91	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.02E-05	2.52E-06	2.53E-05	4.32E-05	3.20E-06	1.44E-05	2.38E-05	7.89E-07
1520	741642.36	4109285.16	1.71E-04	3.11E-04	1.71E-05	2.65E-05	5.10E-05	2.56E-06	2.58E-05	4.39E-05	3.26E-06	1.46E-05	2.42E-05	8.03E-07
1521	741621.73	4109298.42	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
1522	741601.09	4109311.68	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.29E-05	2.66E-06	2.67E-05	4.55E-05	3.38E-06	1.52E-05	2.51E-05	8.33E-07
1523	741580.45	4109324.93	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.38E-05	2.70E-06	2.71E-05	4.63E-05	3.43E-06	1.54E-05	2.55E-05	8.46E-07
1524	741620.15	4109072.7	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.72E-06	1.61E-05	5.33E-07
1525	741644.1	4109068.29	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.93E-05	2.17E-06	9.78E-06	1.62E-05	5.36E-07
1526	741668.06	4109063.87	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.73E-06	1.73E-05	2.95E-05	2.19E-06	9.85E-06	1.63E-05	5.40E-07
1527	741692.02	4109059.45	1.16E-04	2.11E-04	1.16E-05	1.80E-05	3.46E-05	1.74E-06	1.75E-05	2.98E-05	2.21E-06	9.93E-06	1.64E-05	5.45E-07
1528	741715.97	4109055.04	1.17E-04	2.13E-04	1.17E-05	1.81E-05	3.49E-05	1.75E-06	1.76E-05	3.00E-05	2.23E-06	1.00E-05	1.66E-05	5.49E-07
1529	741739.93	4109050.62	1.18E-04	2.15E-04	1.18E-05	1.83E-05	3.52E-05	1.77E-06	1.78E-05	3.03E-05	2.24E-06	1.01E-05	1.67E-05	5.53E-07
1530	741763.89	4109046.2	1.19E-04	2.17E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
1531	741787.85	4109041.79	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.65E-07
1532	741811.8	4109037.37	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.63E-05	1.83E-06	1.83E-05	3.13E-05	2.32E-06	1.04E-05	1.72E-05	5.72E-07
1533	741835.76	4109032.95	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
1534	741859.72	4109028.54	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.73E-05	1.88E-06	1.88E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.87E-07
1535	741883.67	4109024.12	1.27E-04	2.31E-04	1.27E-05	1.96E-05	3.78E-05	1.90E-06	1.91E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.95E-07
1536	741907.63	4109019.7	1.28E-04	2.33E-04	1.28E-05	1.98E-05	3.82E-05	1.92E-06	1.93E-05	3.29E-05	2.44E-06	1.10E-05	1.81E-05	6.01E-07
1537	741931.59	4109015.29	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
1538	741955.55	4109010.87	1.30E-04	2.38E-04	1.30E-05	2.02E-05	3.89E-05	1.96E-06	1.97E-05	3.35E-05	2.48E-06	1.12E-05	1.85E-05	6.13E-07
1539	741979.5	4109006.45	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.97E-06	1.98E-05	3.38E-05	2.51E-06	1.13E-05	1.87E-05	6.18E-07
1540	742003.46	4109002.04	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.96E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.23E-07
1541	742027.42	4108997.62	1.34E-04	2.44E-04	1.34E-05	2.07E-05	3.99E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.28E-07
1542	742051.37	4108993.2	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.46E-05	2.57E-06	1.15E-05	1.91E-05	6.33E-07
1543	742075.33	4108988.79	1.36E-04	2.47E-04	1.36E-05	2.10E-05	4.06E-05	2.04E-06	2.05E-05	3.49E-05	2.59E-06	1.16E-05	1.92E-05	6.38E-07
1544	742099.29	4108984.37	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
1545	742123.24	4108979.95	1.38E-04	2.51E-04	1.38E-05	2.14E-05	4.12E-05	2.07E-06	2.08E-05	3.54E-05	2.63E-06	1.18E-05	1.95E-05	6.48E-07
1546	742147.2	4108975.54	1.39E-04	2.53E-04	1.39E-05	2.16E-05	4.16E-05	2.09E-06	2.10E-05	3.58E-05	2.65E-06	1.19E-05	1.97E-05	6.54E-07
1547	742171.16	4108971.12	1.41E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.61E-05	2.68E-06	1.20E-05	1.99E-05	6.60E-07
1548	742195.12	4108966.7	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.25E-05	2.13E-06	2.14E-05	3.65E-05	2.71E-06	1.22E-05	2.01E-05	6.68E-07
1549	742219.07	4108962.29	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.16E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
1550	742243.03	4108957.87	1.45E-04	2.65E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.73E-05	2.77E-06	1.24E-05	2.06E-05	6.82E-07
1551	742287.16	4108967.11	1.51E-04	2.76E-04	1.51E-05	2.35E-05	4.52E-05	2.27E-06	2.28E-05	3.89E-05	2.88E-06	1.30E-05	2.15E-05	7.11E-07
1552	742307.34	4108980.76	1.56E-04	2.84E-04	1.56E-05	2.42E-05	4.66E-05	2.34E-06	2.35E-05	4.01E-05	2.97E-06	1.34E-05	2.21E-05	7.33E-07
1553	742327.51	4108994.42	1.60E-04	2.92E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.12E-05	3.05E-06	1.37E-05	2.27E-05	7.53E-07
1554	742347.68	4109008.07	1.64E-04	2.99E-04	1.64E-05	2.54E-05	4.90E-05	2.46E-06	2.47E-05	4.21E-05	3.12E-06	1.40E-05	2.32E-05	7.70E-07
1555	742367.86	4109021.72	1.68E-04	3.05E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.19E-06	1.44E-05	2.38E-05	7.88E-07
1556	742388.03	4109035.38	1.71E-04	3.12E-04	1.71E-05	2.66E-05	5.12E-05	2.57E-06	2.58E-05	4.40E-05	3.26E-06	1.47E-05	2.43E-05	8.05E-07
1557	742408.21	4109049.03	1.75E-04	3.19E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.50E-05	3.34E-06	1.50E-05	2.48E-05	8.24E-07
1558	742428.38	4109062.69	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.37E-05	2.70E-06	2.71E-05	4.62E-05	3.43E-06	1.54E-05	2.55E-05	8.45E-07

1559	742448.56	4109076.34	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.53E-05	2.78E-06	2.79E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.69E-07
1560	742468.73	4109090	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.70E-05	2.87E-06	2.88E-05	4.91E-05	3.64E-06	1.64E-05	2.71E-05	8.97E-07
1561	742488.9	4109103.65	1.98E-04	3.60E-04	1.98E-05	3.07E-05	5.91E-05	2.97E-06	2.98E-05	5.08E-05	3.77E-06	1.69E-05	2.80E-05	9.29E-07
1562	742509.08	4109117.31	2.05E-04	3.74E-04	2.06E-05	3.19E-05	6.14E-05	3.08E-06	3.10E-05	5.28E-05	3.91E-06	1.76E-05	2.91E-05	9.65E-07
1563	742529.25	4109130.96	2.14E-04	3.91E-04	2.15E-05	3.33E-05	6.41E-05	3.22E-06	3.23E-05	5.51E-05	4.09E-06	1.84E-05	3.04E-05	1.01E-06
1564	742549.43	4109144.62	2.25E-04	4.10E-04	2.25E-05	3.49E-05	6.72E-05	3.37E-06	3.39E-05	5.78E-05	4.28E-06	1.93E-05	3.19E-05	1.06E-06
1565	742569.6	4109158.27	2.37E-04	4.32E-04	2.37E-05	3.67E-05	7.08E-05	3.56E-06	3.57E-05	6.09E-05	4.51E-06	2.03E-05	3.36E-05	1.11E-06
1566	742589.78	4109171.92	2.51E-04	4.57E-04	2.51E-05	3.89E-05	7.49E-05	3.76E-06	3.78E-05	6.44E-05	4.77E-06	2.15E-05	3.55E-05	1.18E-06
1567	742609.95	4109185.58	2.65E-04	4.84E-04	2.66E-05	4.12E-05	7.93E-05	3.98E-06	4.00E-05	6.82E-05	5.06E-06	2.27E-05	3.76E-05	1.25E-06
1568	742630.12	4109199.23	2.82E-04	5.13E-04	2.82E-05	4.37E-05	8.41E-05	4.23E-06	4.25E-05	7.24E-05	5.37E-06	2.41E-05	3.99E-05	1.32E-06
1569	742650.3	4109212.89	2.98E-04	5.44E-04	2.99E-05	4.63E-05	8.91E-05	4.48E-06	4.50E-05	7.67E-05	5.69E-06	2.56E-05	4.23E-05	1.40E-06
1570	742670.47	4109226.54	3.15E-04	5.75E-04	3.16E-05	4.89E-05	9.42E-05	4.73E-06	4.76E-05	8.11E-05	6.01E-06	2.70E-05	4.47E-05	1.48E-06
1571	742690.65	4109240.2	3.32E-04	6.05E-04	3.32E-05	5.15E-05	9.91E-05	4.98E-06	5.00E-05	8.53E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
1572	742710.82	4109253.85	3.48E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.94E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
1573	742731	4109267.51	3.63E-04	6.61E-04	3.63E-05	5.62E-05	1.08E-04	5.44E-06	5.47E-05	9.32E-05	6.91E-06	3.11E-05	5.14E-05	1.70E-06
1574	742751.17	4109281.16	3.76E-04	6.85E-04	3.76E-05	5.83E-05	1.12E-04	5.64E-06	5.67E-05	9.66E-05	7.16E-06	3.22E-05	5.33E-05	1.77E-06
1575	742771.34	4109294.81	3.88E-04	7.06E-04	3.88E-05	6.01E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
1576	742791.52	4109308.47	3.98E-04	7.25E-04	3.98E-05	6.17E-05	1.19E-04	5.97E-06	6.00E-05	1.02E-04	7.58E-06	3.41E-05	5.64E-05	1.87E-06
1577	742811.69	4109322.12	4.06E-04	7.40E-04	4.06E-05	6.30E-05	1.21E-04	6.10E-06	6.13E-05	1.04E-04	7.74E-06	3.48E-05	5.76E-05	1.91E-06
1578	741596.19	4109077.12	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.68E-06	1.60E-05	5.31E-07
1579	741575.55	4109090.38	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.42E-05	1.72E-06	1.73E-05	2.94E-05	2.18E-06	9.82E-06	1.62E-05	5.38E-07
1580	741554.91	4109103.63	1.16E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	2.99E-05	2.22E-06	9.98E-06	1.65E-05	5.47E-07
1581	741534.27	4109116.89	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
1582	741513.64	4109130.15	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.10E-05	2.30E-06	1.03E-05	1.71E-05	5.68E-07
1583	741493	4109143.4	1.23E-04	2.24E-04	1.23E-05	1.91E-05	3.67E-05	1.85E-06	1.85E-05	3.16E-05	2.34E-06	1.05E-05	1.74E-05	5.78E-07
1584	741472.36	4109156.66	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.73E-05	1.88E-06	1.89E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.87E-07
1585	741512.21	4108904.4	8.42E-05	1.53E-04	8.42E-06	1.31E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.96E-07
1586	741536.33	4108899.95	8.44E-05	1.54E-04	8.45E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.24E-06	1.20E-05	3.97E-07
1587	741560.44	4108895.51	8.48E-05	1.55E-04	8.49E-06	1.32E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
1588	741584.55	4108891.06	8.53E-05	1.55E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
1589	741608.67	4108886.62	8.60E-05	1.57E-04	8.60E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
1590	741632.78	4108882.17	8.66E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.42E-06	1.23E-05	4.07E-07
1591	741656.9	4108877.72	8.74E-05	1.59E-04	8.74E-06	1.35E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.66E-06	7.49E-06	1.24E-05	4.11E-07
1592	741681.01	4108873.28	8.82E-05	1.61E-04	8.83E-06	1.37E-05	2.64E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.56E-06	1.25E-05	4.15E-07
1593	741705.12	4108868.83	8.90E-05	1.62E-04	8.91E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.63E-06	1.26E-05	4.18E-07
1594	741729.24	4108864.39	8.99E-05	1.64E-04	9.00E-06	1.39E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.23E-07
1595	741753.35	4108859.94	9.08E-05	1.66E-04	9.09E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.34E-05	1.73E-06	7.78E-06	1.29E-05	4.27E-07
1596	741777.46	4108855.5	9.18E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
1597	741801.58	4108851.05	9.28E-05	1.69E-04	9.29E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.95E-06	1.32E-05	4.36E-07
1598	741825.69	4108846.61	9.38E-05	1.71E-04	9.39E-06	1.45E-05	2.80E-05	1.41E-06	1.41E-05	2.41E-05	1.79E-06	8.04E-06	1.33E-05	4.41E-07
1599	741849.8	4108842.16	9.48E-05	1.73E-04	9.49E-06	1.47E-05	2.83E-05	1.42E-06	1.43E-05	2.44E-05	1.81E-06	8.12E-06	1.34E-05	4.46E-07
1600	741873.92	4108837.71	9.58E-05	1.75E-04	9.58E-06	1.49E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.83E-06	8.21E-06	1.36E-05	4.50E-07
1601	741898.03	4108833.27	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
1602	741922.15	4108828.82	9.76E-05	1.78E-04	9.77E-06	1.51E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.38E-05	4.59E-07
1603	741946.26	4108824.38	9.85E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
1604	741970.37	4108819.93	9.93E-05	1.81E-04	9.93E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.51E-06	1.41E-05	4.67E-07
1605	741994.49	4108815.49	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.57E-06	1.42E-05	4.70E-07
1606	742018.6	4108811.04	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.62E-06	1.43E-05	4.73E-07
1607	742042.71	4108806.6	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
1608	742066.83	4108802.15	1.01E-04	1.85E-04	1.02E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.77E-07
1609	742090.94	4108797.7	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.53E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
1610	742115.05	4108793.26	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.76E-06	1.45E-05	4.80E-07
1611	742139.17	4108788.81	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.07E-05	1.54E-06	1.55E-05	2.64E-05	1.96E-06	8.80E-06	1.46E-05	4.83E-07
1612	742163.28	4108784.37	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
1613	742187.4	4108779.92	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.11E-05	1.56E-06	1.57E-05	2.68E-05	1.99E-06	8.93E-06	1.48E-05	4.90E-07
1614	742211.51	4108775.48	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.02E-06	1.49E-05	4.95E-07
1615	742235.62	4108771.03	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.00E-07
1616	742259.74	4108766.59	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.22E-05	1.62E-06	1.62E-05	2.77E-05	2.05E-06	9.23E-06	1.53E-05	5.06E-07
1617	742283.85	4108762.14	1.09E-04	1.98E-04	1.09E-05	1.69E-05	3.25E-05	1.63E-06	1.64E-05	2.80E-05	2.08E-06	9.33E-06	1.54E-05	5.12E-07
1618	742328.27	4108771.44	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.71E-06	1.61E-05	5.33E-07
1619	742348.58	4108785.18	1.17E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	3.00E-05	2.22E-06	9.99E-06	1.65E-05	5.48E-07
1620	742368.88	4108798.93	1.19E-04	2.18E-04	1.20E-05	1.85E-05	3.57E-05	1.79E-06	1.80E-05	3.07E-05	2.28E-06	1.02E-05	1.69E-05	5.61E-07
1621	742389.19	4108812.67	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.73E-07
1622	742409.49	4108826.41	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
1623	742429.8	4108840.16	1.26E-04	2.30E-04	1.27E-05	1.96E-05	3.78E-05	1.90E-06	1.91E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.94E-07
1624	742450.11	4108853.9	1.28E-04	2.34E-04	1.29E-05	1.99E-05	3.84E-05	1.93E-06	1.94E-05	3.30E-05	2.45E-06	1.10E-05	1.82E-05	6.04E-07
1625	742470.41	4108867.65	1.31E-04	2.38E-04	1.31E-05	2.02E-05	3.90E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.13E-07
1626	742490.72	4108881.39	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
1627	742511.03	4108895.13	1.35E-04	2.46E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.35E-07
1628	742531.33	4108908.88	1.38E-04	2.51E-04	1.38E-05	2.14E-05	4.12E-05	2.07E-06	2.08E-05	3.55E-05	2.63E-06	1.18E-05	1.96E-05	6.48E-07
1629	742551.64	4108922.62	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.63E-07

1630	742571.94	4108936.36	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
1631	742592.25	4108950.11	1.49E-04	2.71E-04	1.49E-05	2.31E-05	4.45E-05	2.24E-06	2.25E-05	3.83E-05	2.84E-06	1.28E-05	2.11E-05	7.00E-07
1632	742612.56	4108963.85	1.54E-04	2.81E-04	1.54E-05	2.39E-05	4.60E-05	2.31E-06	2.32E-05	3.96E-05	2.93E-06	1.32E-05	2.18E-05	7.24E-07
1633	742632.86	4108977.59	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.11E-05	3.05E-06	1.37E-05	2.27E-05	7.51E-07
1634	742653.17	4108991.34	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.98E-05	2.50E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.36E-05	7.84E-07
1635	742673.47	4109005.08	1.75E-04	3.18E-04	1.75E-05	2.71E-05	5.22E-05	2.62E-06	2.63E-05	4.49E-05	3.33E-06	1.50E-05	2.48E-05	8.21E-07
1636	742693.78	4109018.83	1.83E-04	3.34E-04	1.84E-05	2.85E-05	5.48E-05	2.75E-06	2.77E-05	4.72E-05	3.50E-06	1.57E-05	2.60E-05	8.62E-07
1637	742714.09	4109032.57	1.93E-04	3.52E-04	1.93E-05	2.99E-05	5.77E-05	2.90E-06	2.91E-05	4.96E-05	3.68E-06	1.65E-05	2.74E-05	9.07E-07
1638	742734.39	4109046.31	2.03E-04	3.70E-04	2.03E-05	3.15E-05	6.07E-05	3.05E-06	3.07E-05	5.23E-05	3.87E-06	1.74E-05	2.88E-05	9.55E-07
1639	742754.7	4109060.06	2.14E-04	3.90E-04	2.14E-05	3.32E-05	6.39E-05	3.21E-06	3.22E-05	5.50E-05	4.08E-06	1.83E-05	3.03E-05	1.00E-06
1640	742775	4109073.8	2.24E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.38E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.05E-06
1641	742795.31	4109087.54	2.35E-04	4.28E-04	2.35E-05	3.64E-05	7.02E-05	3.53E-06	3.54E-05	6.04E-05	4.48E-06	2.01E-05	3.33E-05	1.10E-06
1642	742815.62	4109101.29	2.45E-04	4.47E-04	2.45E-05	3.80E-05	7.32E-05	3.68E-06	3.70E-05	6.30E-05	4.67E-06	2.10E-05	3.48E-05	1.15E-06
1643	742835.92	4109115.03	2.55E-04	4.64E-04	2.55E-05	3.95E-05	7.61E-05	3.82E-06	3.84E-05	6.54E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
1644	742856.23	4109128.78	2.63E-04	4.80E-04	2.64E-05	4.08E-05	7.87E-05	3.95E-06	3.97E-05	6.77E-05	5.02E-06	2.26E-05	3.73E-05	1.24E-06
1645	742876.54	4109142.52	2.71E-04	4.94E-04	2.71E-05	4.21E-05	8.11E-05	4.07E-06	4.09E-05	6.97E-05	5.17E-06	2.32E-05	3.85E-05	1.28E-06
1646	742896.84	4109156.26	2.78E-04	5.07E-04	2.78E-05	4.32E-05	8.32E-05	4.18E-06	4.20E-05	7.15E-05	5.30E-06	2.38E-05	3.95E-05	1.31E-06
1647	742917.15	4109170.01	2.84E-04	5.18E-04	2.85E-05	4.41E-05	8.50E-05	4.27E-06	4.29E-05	7.31E-05	5.42E-06	2.44E-05	4.03E-05	1.34E-06
1648	742937.45	4109183.75	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.45E-05	5.53E-06	2.48E-05	4.11E-05	1.36E-06
1649	742957.76	4109197.49	2.95E-04	5.37E-04	2.95E-05	4.57E-05	8.81E-05	4.42E-06	4.44E-05	7.58E-05	5.62E-06	2.53E-05	4.18E-05	1.39E-06
1650	742978.07	4109211.24	2.99E-04	5.44E-04	2.99E-05	4.63E-05	8.93E-05	4.48E-06	4.51E-05	7.68E-05	5.69E-06	2.56E-05	4.24E-05	1.40E-06
1651	741488.1	4108908.84	8.41E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
1652	741467.46	4108922.1	8.53E-05	1.55E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
1653	741446.82	4108935.36	8.67E-05	1.58E-04	8.68E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.08E-07
1654	741426.19	4108948.61	8.82E-05	1.61E-04	8.83E-06	1.37E-05	2.64E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.56E-06	1.25E-05	4.15E-07
1655	741405.55	4108961.87	8.98E-05	1.64E-04	8.99E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.22E-07
1656	741384.91	4108975.13	9.14E-05	1.67E-04	9.15E-06	1.42E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.83E-06	1.30E-05	4.30E-07
1657	741364.27	4108988.38	9.30E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.97E-06	1.32E-05	4.37E-07
1658	741403.64	4108736.21	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
1659	741427.28	4108731.85	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.94E-06	1.69E-05	1.26E-06	5.65E-06	9.34E-06	3.10E-07
1660	741450.91	4108727.5	6.60E-05	1.20E-04	6.61E-06	1.02E-05	1.97E-05	9.91E-07	9.96E-06	1.70E-05	1.26E-06	5.66E-06	9.36E-06	3.10E-07
1661	741474.54	4108723.14	6.62E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.68E-06	9.39E-06	3.11E-07
1662	741498.17	4108718.78	6.65E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
1663	741521.81	4108714.43	6.69E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.49E-06	3.15E-07
1664	741545.44	4108710.07	6.74E-05	1.23E-04	6.74E-06	1.05E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.28E-06	5.77E-06	9.55E-06	3.17E-07
1665	741569.07	4108705.71	6.79E-05	1.24E-04	6.79E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
1666	741592.7	4108701.36	6.85E-05	1.25E-04	6.85E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.87E-06	9.71E-06	3.22E-07
1667	741616.34	4108697	6.91E-05	1.26E-04	6.91E-06	1.07E-05	2.06E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.92E-06	9.80E-06	3.25E-07
1668	741639.97	4108692.64	6.97E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.97E-06	9.88E-06	3.28E-07
1669	741663.6	4108688.29	7.03E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.97E-06	3.31E-07
1670	741687.23	4108683.93	7.10E-05	1.29E-04	7.10E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.82E-05	1.35E-06	6.08E-06	1.01E-05	3.34E-07
1671	741710.87	4108679.57	7.16E-05	1.31E-04	7.17E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.14E-06	1.02E-05	3.37E-07
1672	741734.5	4108675.21	7.22E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
1673	741758.13	4108670.86	7.29E-05	1.33E-04	7.29E-06	1.13E-05	2.18E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.24E-06	1.03E-05	3.42E-07
1674	741781.76	4108666.5	7.35E-05	1.34E-04	7.35E-06	1.14E-05	2.20E-05	1.10E-06	1.11E-05	1.89E-05	1.40E-06	6.30E-06	1.04E-05	3.45E-07
1675	741805.39	4108662.14	7.41E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.35E-06	1.05E-05	3.48E-07
1676	741829.03	4108657.79	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
1677	741852.66	4108653.43	7.54E-05	1.37E-04	7.55E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.46E-06	1.07E-05	3.54E-07
1678	741876.29	4108649.07	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
1679	741899.92	4108644.72	7.68E-05	1.40E-04	7.69E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
1680	741923.56	4108640.36	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
1681	741947.19	4108636	7.81E-05	1.42E-04	7.82E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.67E-07
1682	741970.82	4108631.65	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
1683	741994.45	4108627.29	7.91E-05	1.44E-04	7.92E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
1684	742018.09	4108622.93	7.95E-05	1.45E-04	7.95E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.81E-06	1.13E-05	3.73E-07
1685	742041.72	4108618.58	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
1686	742065.35	4108614.22	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
1687	742088.98	4108609.86	7.99E-05	1.46E-04	7.99E-06	1.24E-05	2.39E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.85E-06	1.13E-05	3.75E-07
1688	742112.62	4108605.51	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1689	742136.25	4108601.15	8.01E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.86E-06	1.14E-05	3.76E-07
1690	742159.88	4108596.79	8.03E-05	1.46E-04	8.03E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.06E-05	1.53E-06	6.88E-06	1.14E-05	3.77E-07
1691	742183.51	4108592.44	8.06E-05	1.47E-04	8.07E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.07E-05	1.54E-06	6.91E-06	1.14E-05	3.79E-07
1692	742207.15	4108588.08	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
1693	742230.78	4108583.72	8.18E-05	1.49E-04	8.18E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.01E-06	1.16E-05	3.84E-07
1694	742254.41	4108579.37	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.12E-05	1.57E-06	7.08E-06	1.17E-05	3.88E-07
1695	742278.04	4108575.01	8.35E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.93E-07
1696	742301.68	4108570.65	8.45E-05	1.54E-04	8.45E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.24E-06	1.20E-05	3.97E-07
1697	742325.31	4108566.29	8.55E-05	1.56E-04	8.55E-06	1.33E-05	2.55E-05	1.28E-06	1.29E-05	2.20E-05	1.63E-06	7.32E-06	1.21E-05	4.02E-07
1698	742368.84	4108575.41	8.89E-05	1.62E-04	8.89E-06	1.38E-05	2.66E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.62E-06	1.26E-05	4.18E-07
1699	742388.74	4108588.88	9.13E-05	1.66E-04	9.13E-06	1.42E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.82E-06	1.29E-05	4.29E-07
1700	742408.64	4108602.35	9.35E-05	1.70E-04	9.35E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.01E-06	1.33E-05	4.39E-07

1701	742428.54	4108615.82	9.54E-05	1.74E-04	9.55E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.18E-06	1.35E-05	4.49E-07
1702	742448.45	4108629.29	9.71E-05	1.77E-04	9.72E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.50E-05	1.85E-06	8.32E-06	1.38E-05	4.57E-07
1703	742468.35	4108642.75	9.86E-05	1.80E-04	9.87E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.45E-06	1.40E-05	4.63E-07
1704	742488.25	4108656.22	9.99E-05	1.82E-04	9.99E-06	1.55E-05	2.98E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.69E-07
1705	742508.15	4108669.69	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
1706	742528.05	4108683.16	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
1707	742547.95	4108696.63	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
1708	742567.85	4108710.1	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.91E-07
1709	742587.75	4108723.57	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.59E-05	2.72E-05	2.01E-06	9.06E-06	1.50E-05	4.97E-07
1710	742607.65	4108737.04	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.76E-05	2.04E-06	9.19E-06	1.52E-05	5.04E-07
1711	742627.55	4108750.51	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.25E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.33E-06	1.54E-05	5.12E-07
1712	742647.45	4108763.98	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.67E-06	1.67E-05	2.85E-05	2.11E-06	9.51E-06	1.57E-05	5.21E-07
1713	742667.36	4108777.45	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.72E-06	1.61E-05	5.33E-07
1714	742687.26	4108790.92	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.99E-05	2.21E-06	9.96E-06	1.65E-05	5.46E-07
1715	742707.16	4108804.39	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.57E-05	1.80E-06	1.80E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.62E-07
1716	742727.06	4108817.86	1.24E-04	2.25E-04	1.24E-05	1.92E-05	3.69E-05	1.86E-06	1.86E-05	3.18E-05	2.36E-06	1.06E-05	1.75E-05	5.81E-07
1717	742746.96	4108831.33	1.28E-04	2.34E-04	1.28E-05	1.99E-05	3.83E-05	1.92E-06	1.93E-05	3.29E-05	2.44E-06	1.10E-05	1.82E-05	6.02E-07
1718	742766.86	4108844.8	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.98E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.26E-07
1719	742786.76	4108858.27	1.39E-04	2.53E-04	1.39E-05	2.15E-05	4.15E-05	2.08E-06	2.09E-05	3.57E-05	2.65E-06	1.19E-05	1.97E-05	6.53E-07
1720	742806.66	4108871.74	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.82E-07
1721	742826.56	4108885.2	1.51E-04	2.76E-04	1.52E-05	2.35E-05	4.53E-05	2.27E-06	2.28E-05	3.89E-05	2.89E-06	1.30E-05	2.15E-05	7.12E-07
1722	742846.46	4108898.67	1.58E-04	2.88E-04	1.58E-05	2.45E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.24E-05	7.44E-07
1723	742866.36	4108912.14	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.94E-05	2.48E-06	2.49E-05	4.25E-05	3.15E-06	1.42E-05	2.34E-05	7.77E-07
1724	742886.27	4108925.61	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.15E-05	2.59E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.10E-07
1725	742906.17	4108939.08	1.79E-04	3.27E-04	1.79E-05	2.78E-05	5.36E-05	2.69E-06	2.70E-05	4.61E-05	3.42E-06	1.54E-05	2.54E-05	8.43E-07
1726	742926.07	4108952.55	1.86E-04	3.39E-04	1.86E-05	2.88E-05	5.56E-05	2.79E-06	2.81E-05	4.78E-05	3.54E-06	1.59E-05	2.64E-05	8.74E-07
1727	742945.97	4108966.02	1.92E-04	3.50E-04	1.92E-05	2.98E-05	5.74E-05	2.89E-06	2.90E-05	4.94E-05	3.66E-06	1.65E-05	2.73E-05	9.03E-07
1728	742965.87	4108979.49	1.99E-04	3.62E-04	1.99E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.10E-05	3.78E-06	1.70E-05	2.81E-05	9.33E-07
1729	742985.77	4108992.96	2.04E-04	3.72E-04	2.04E-05	3.16E-05	6.10E-05	3.06E-06	3.08E-05	5.25E-05	3.89E-06	1.75E-05	2.89E-05	9.59E-07
1730	743005.67	4109006.43	2.09E-04	3.81E-04	2.09E-05	3.24E-05	6.24E-05	3.13E-06	3.15E-05	5.37E-05	3.98E-06	1.79E-05	2.96E-05	9.82E-07
1731	743025.57	4109019.9	2.13E-04	3.87E-04	2.13E-05	3.30E-05	6.35E-05	3.19E-06	3.21E-05	5.47E-05	4.05E-06	1.82E-05	3.01E-05	9.99E-07
1732	743045.47	4109033.37	2.16E-04	3.94E-04	2.16E-05	3.35E-05	6.45E-05	3.24E-06	3.26E-05	5.55E-05	4.12E-06	1.85E-05	3.06E-05	1.02E-06
1733	743065.37	4109046.84	2.19E-04	4.00E-04	2.19E-05	3.40E-05	6.55E-05	3.29E-06	3.31E-05	5.64E-05	4.18E-06	1.88E-05	3.11E-05	1.03E-06
1734	743085.27	4109060.31	2.22E-04	4.05E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.71E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
1735	743105.18	4109073.78	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
1736	743125.08	4109087.25	2.27E-04	4.13E-04	2.27E-05	3.52E-05	6.78E-05	3.40E-06	3.42E-05	5.83E-05	4.32E-06	1.94E-05	3.22E-05	1.07E-06
1737	743144.98	4109100.72	2.29E-04	4.17E-04	2.29E-05	3.55E-05	6.84E-05	3.44E-06	3.45E-05	5.89E-05	4.36E-06	1.96E-05	3.25E-05	1.08E-06
1738	741380.01	4108740.57	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.93E-06	1.69E-05	1.26E-06	5.64E-06	9.34E-06	3.10E-07
1739	741359.37	4108753.82	6.67E-05	1.22E-04	6.68E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.72E-06	9.46E-06	3.14E-07
1740	741338.73	4108767.08	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
1741	741318.1	4108780.34	6.88E-05	1.25E-04	6.88E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.75E-06	3.23E-07
1742	741297.46	4108793.59	6.99E-05	1.27E-04	7.00E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.29E-07
1743	741276.82	4108806.85	7.11E-05	1.30E-04	7.12E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.09E-06	1.01E-05	3.34E-07
1744	741256.18	4108820.11	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
1745	741295.71	4108567.91	5.33E-05	9.71E-05	5.33E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.50E-07
1746	741319.5	4108563.52	5.33E-05	9.72E-05	5.34E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.51E-07
1747	741343.28	4108559.14	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
1748	741367.07	4108554.75	5.35E-05	9.75E-05	5.35E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.58E-06	7.59E-06	2.51E-07
1749	741390.86	4108550.36	5.37E-05	9.78E-05	5.37E-06	8.32E-06	1.60E-05	8.05E-07	8.09E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
1750	741414.65	4108545.98	5.39E-05	9.81E-05	5.39E-06	8.35E-06	1.61E-05	8.08E-07	8.12E-06	1.38E-05	1.03E-06	4.61E-06	7.64E-06	2.53E-07
1751	741438.43	4108541.59	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
1752	741462.22	4108537.21	5.44E-05	9.91E-05	5.44E-06	8.44E-06	1.63E-05	8.17E-07	8.21E-06	1.40E-05	1.04E-06	4.66E-06	7.71E-06	2.56E-07
1753	741486.01	4108532.82	5.48E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.77E-06	2.57E-07
1754	741509.79	4108528.44	5.52E-05	1.01E-04	5.52E-06	8.55E-06	1.65E-05	8.28E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.82E-06	2.59E-07
1755	741533.58	4108524.05	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
1756	741557.37	4108519.67	5.61E-05	1.02E-04	5.61E-06	8.70E-06	1.68E-05	8.42E-07	8.46E-06	1.44E-05	1.07E-06	4.80E-06	7.95E-06	2.64E-07
1757	741581.16	4108515.28	5.66E-05	1.03E-04	5.66E-06	8.77E-06	1.69E-05	8.49E-07	8.53E-06	1.45E-05	1.08E-06	4.85E-06	8.02E-06	2.66E-07
1758	741604.94	4108510.9	5.71E-05	1.04E-04	5.71E-06	8.85E-06	1.70E-05	8.56E-07	8.60E-06	1.47E-05	1.09E-06	4.89E-06	8.09E-06	2.68E-07
1759	741628.73	4108506.51	5.76E-05	1.05E-04	5.76E-06	8.93E-06	1.72E-05	8.64E-07	8.68E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.71E-07
1760	741652.52	4108502.13	5.80E-05	1.06E-04	5.81E-06	9.00E-06	1.73E-05	8.71E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.23E-06	2.73E-07
1761	741676.3	4108497.74	5.85E-05	1.07E-04	5.85E-06	9.07E-06	1.75E-05	8.78E-07	8.82E-06	1.50E-05	1.11E-06	5.01E-06	8.30E-06	2.75E-07
1762	741700.09	4108493.36	5.90E-05	1.07E-04	5.90E-06	9.14E-06	1.76E-05	8.85E-07	8.89E-06	1.52E-05	1.12E-06	5.05E-06	8.36E-06	2.77E-07
1763	741723.88	4108488.97	5.94E-05	1.08E-04	5.94E-06	9.21E-06	1.77E-05	8.91E-07	8.96E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
1764	741747.67	4108484.58	5.98E-05	1.09E-04	5.98E-06	9.28E-06	1.79E-05	8.98E-07	9.02E-06	1.54E-05	1.14E-06	5.13E-06	8.48E-06	2.81E-07
1765	741771.45	4108480.2	6.02E-05	1.10E-04	6.03E-06	9.34E-06	1.80E-05	9.04E-07	9.09E-06	1.55E-05	1.15E-06	5.16E-06	8.54E-06	2.83E-07
1766	741795.24	4108475.81	6.07E-05	1.11E-04	6.07E-06	9.41E-06	1.81E-05	9.11E-07	9.15E-06	1.56E-05	1.16E-06	5.20E-06	8.61E-06	2.85E-07
1767	741819.03	4108471.43	6.12E-05	1.11E-04	6.12E-06	9.48E-06	1.83E-05	9.18E-07	9.22E-06	1.57E-05	1.17E-06	5.24E-06	8.67E-06	2.87E-07
1768	741842.81	4108467.04	6.17E-05	1.12E-04	6.17E-06	9.56E-06	1.84E-05	9.25E-07	9.30E-06	1.58E-05	1.17E-06	5.28E-06	8.74E-06	2.90E-07
1769	741866.6	4108462.66	6.22E-05	1.13E-04	6.22E-06	9.64E-06	1.86E-05	9.33E-07	9.38E-06	1.60E-05	1.18E-06	5.33E-06	8.82E-06	2.92E-07
1770	741890.39	4108458.27	6.27E-05	1.14E-04	6.27E-06	9.72E-06	1.87E-05	9.41E-07	9.46E-06	1.61E-05	1.19E-06	5.37E-06	8.89E-06	2.95E-07
1771	741914.17	4108453.89	6.32E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07

1772	741937.96	4108449.5	6.37E-05	1.16E-04	6.38E-06	9.89E-06	1.90E-05	9.57E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.04E-06	3.00E-07
1773	741961.75	4108445.12	6.42E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.68E-06	1.65E-05	1.22E-06	5.50E-06	9.10E-06	3.02E-07
1774	741985.54	4108440.73	6.46E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.74E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
1775	742009.32	4108436.35	6.48E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.78E-06	1.67E-05	1.24E-06	5.55E-06	9.19E-06	3.05E-07
1776	742033.11	4108431.96	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.76E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.05E-07
1777	742056.9	4108427.58	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
1778	742080.68	4108423.19	6.51E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.78E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.24E-06	3.06E-07
1779	742104.47	4108418.8	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
1780	742128.26	4108414.42	6.50E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
1781	742152.05	4108410.03	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.05E-07
1782	742175.83	4108405.65	6.50E-05	1.18E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
1783	742199.62	4108401.26	6.51E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
1784	742223.41	4108396.88	6.54E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.81E-07	9.86E-06	1.68E-05	1.25E-06	5.60E-06	9.27E-06	3.07E-07
1785	742247.19	4108392.49	6.57E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.91E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
1786	742270.98	4108388.11	6.63E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.68E-06	9.39E-06	3.11E-07
1787	742294.77	4108383.72	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
1788	742318.56	4108379.34	6.76E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.59E-06	3.18E-07
1789	742342.34	4108374.95	6.84E-05	1.25E-04	6.85E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.86E-06	9.70E-06	3.22E-07
1790	742366.13	4108370.57	6.93E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.94E-06	9.82E-06	3.26E-07
1791	742409.95	4108379.74	7.21E-05	1.31E-04	7.22E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
1792	742429.98	4108393.3	7.41E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.35E-06	1.05E-05	3.48E-07
1793	742450.01	4108406.85	7.59E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.45E-06	6.50E-06	1.08E-05	3.57E-07
1794	742470.04	4108420.41	7.75E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
1795	742490.07	4108433.97	7.90E-05	1.44E-04	7.90E-06	1.22E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.50E-06	6.77E-06	1.12E-05	3.71E-07
1796	742510.1	4108447.53	8.01E-05	1.46E-04	8.02E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
1797	742530.14	4108461.08	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
1798	742550.17	4108474.64	8.19E-05	1.49E-04	8.19E-06	1.27E-05	2.45E-05	1.23E-06	1.23E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
1799	742570.2	4108488.2	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
1800	742590.23	4108501.76	8.31E-05	1.51E-04	8.32E-06	1.29E-05	2.48E-05	1.25E-06	1.25E-05	2.14E-05	1.58E-06	7.12E-06	1.18E-05	3.91E-07
1801	742610.26	4108515.31	8.37E-05	1.52E-04	8.37E-06	1.30E-05	2.50E-05	1.26E-06	1.26E-05	2.15E-05	1.59E-06	7.17E-06	1.19E-05	3.93E-07
1802	742630.29	4108528.87	8.42E-05	1.53E-04	8.43E-06	1.31E-05	2.52E-05	1.26E-06	1.27E-05	2.17E-05	1.61E-06	7.22E-06	1.19E-05	3.96E-07
1803	742650.32	4108542.43	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
1804	742670.35	4108555.99	8.57E-05	1.56E-04	8.58E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.20E-05	1.63E-06	7.35E-06	1.22E-05	4.03E-07
1805	742690.39	4108569.55	8.67E-05	1.58E-04	8.68E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.07E-07
1806	742710.42	4108583.1	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
1807	742730.45	4108596.66	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
1808	742750.48	4108610.22	9.10E-05	1.66E-04	9.10E-06	1.41E-05	2.72E-05	1.37E-06	1.37E-05	2.34E-05	1.73E-06	7.80E-06	1.29E-05	4.28E-07
1809	742770.51	4108623.78	9.30E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.97E-06	1.32E-05	4.37E-07
1810	742790.54	4108637.33	9.53E-05	1.74E-04	9.54E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.17E-06	1.35E-05	4.48E-07
1811	742810.57	4108650.89	9.80E-05	1.79E-04	9.81E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.40E-06	1.39E-05	4.61E-07
1812	742830.6	4108664.45	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
1813	742850.64	4108678.01	1.05E-04	1.91E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
1814	742870.67	4108691.56	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.24E-05	1.63E-06	1.63E-05	2.78E-05	2.06E-06	9.28E-06	1.54E-05	5.09E-07
1815	742890.7	4108705.12	1.12E-04	2.05E-04	1.12E-05	1.74E-05	3.36E-05	1.69E-06	1.69E-05	2.89E-05	2.14E-06	9.63E-06	1.59E-05	5.28E-07
1816	742910.73	4108718.68	1.17E-04	2.13E-04	1.17E-05	1.81E-05	3.49E-05	1.75E-06	1.76E-05	3.00E-05	2.23E-06	1.00E-05	1.66E-05	5.49E-07
1817	742930.76	4108732.24	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
1818	742950.79	4108745.79	1.26E-04	2.30E-04	1.26E-05	1.96E-05	3.77E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.93E-07
1819	742970.82	4108759.35	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.92E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
1820	742990.85	4108772.91	1.36E-04	2.48E-04	1.36E-05	2.11E-05	4.07E-05	2.04E-06	2.05E-05	3.50E-05	2.59E-06	1.17E-05	1.93E-05	6.40E-07
1821	743010.89	4108786.47	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
1822	743030.92	4108800.02	1.46E-04	2.66E-04	1.46E-05	2.27E-05	4.37E-05	2.19E-06	2.20E-05	3.76E-05	2.79E-06	1.25E-05	2.07E-05	6.87E-07
1823	743050.95	4108813.58	1.51E-04	2.75E-04	1.51E-05	2.34E-05	4.51E-05	2.26E-06	2.28E-05	3.88E-05	2.88E-06	1.29E-05	2.14E-05	7.09E-07
1824	743070.98	4108827.14	1.55E-04	2.83E-04	1.55E-05	2.41E-05	4.64E-05	2.33E-06	2.34E-05	3.99E-05	2.96E-06	1.33E-05	2.20E-05	7.30E-07
1825	743091.01	4108840.7	1.59E-04	2.90E-04	1.59E-05	2.47E-05	4.76E-05	2.39E-06	2.40E-05	4.09E-05	3.03E-06	1.36E-05	2.26E-05	7.48E-07
1826	743111.04	4108854.26	1.63E-04	2.97E-04	1.63E-05	2.52E-05	4.86E-05	2.44E-06	2.45E-05	4.18E-05	3.10E-06	1.39E-05	2.31E-05	7.65E-07
1827	743131.07	4108867.81	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
1828	743151.1	4108881.37	1.69E-04	3.07E-04	1.69E-05	2.61E-05	5.04E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.92E-07
1829	743171.13	4108894.93	1.71E-04	3.12E-04	1.71E-05	2.65E-05	5.11E-05	2.57E-06	2.58E-05	4.40E-05	3.26E-06	1.47E-05	2.43E-05	8.04E-07
1830	743191.17	4108908.49	1.73E-04	3.16E-04	1.73E-05	2.69E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.46E-05	8.14E-07
1831	743211.2	4108922.04	1.75E-04	3.19E-04	1.75E-05	2.71E-05	5.23E-05	2.63E-06	2.64E-05	4.50E-05	3.34E-06	1.50E-05	2.48E-05	8.23E-07
1832	743231.23	4108935.6	1.77E-04	3.22E-04	1.77E-05	2.74E-05	5.28E-05	2.65E-06	2.67E-05	4.54E-05	3.37E-06	1.51E-05	2.51E-05	8.31E-07
1833	743251.26	4108949.16	1.79E-04	3.25E-04	1.79E-05	2.77E-05	5.33E-05	2.68E-06	2.69E-05	4.59E-05	3.40E-06	1.53E-05	2.53E-05	8.39E-07
1834	743271.29	4108962.72	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.38E-05	2.70E-06	2.72E-05	4.63E-05	3.43E-06	1.54E-05	2.56E-05	8.47E-07
1835	743291.32	4108976.27	1.82E-04	3.31E-04	1.82E-05	2.82E-05	5.43E-05	2.73E-06	2.74E-05	4.68E-05	3.47E-06	1.56E-05	2.58E-05	8.55E-07
1836	743311.35	4108989.83	1.83E-04	3.34E-04	1.84E-05	2.85E-05	5.48E-05	2.75E-06	2.77E-05	4.72E-05	3.50E-06	1.57E-05	2.60E-05	8.62E-07
1837	741271.92	4108572.29	5.33E-05	9.72E-05	5.34E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.51E-07
1838	741251.28	4108585.55	5.40E-05	9.83E-05	5.40E-06	8.37E-06	1.61E-05	8.10E-07	8.14E-06	1.39E-05	1.03E-06	4.62E-06	7.65E-06	2.54E-07
1839	741230.65	4108598.8	5.46E-05	9.96E-05	5.47E-06	8.47E-06	1.63E-05	8.20E-07	8.24E-06	1.40E-05	1.04E-06	4.68E-06	7.75E-06	2.57E-07
1840	741210.01	4108612.06	5.54E-05	1.01E-04	5.55E-06	8.60E-06	1.66E-05	8.32E-07	8.36E-06	1.42E-05	1.06E-06	4.75E-06	7.86E-06	2.60E-07
1841	741189.37	4108625.32	5.63E-05	1.03E-04	5.63E-06	8.73E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.82E-06	7.98E-06	2.65E-07
1842	741168.73	4108638.57	5.72E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.12E-06	2.69E-07

1843	741148.09	4108651.83	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.74E-07	8.79E-06	1.50E-05	1.11E-06	4.99E-06	8.26E-06	2.74E-07
1844	741079.75	4108231.31	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.62E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.31E-06	1.76E-07
1845	741103.75	4108226.89	3.75E-05	6.83E-05	3.75E-06	5.81E-06	1.12E-05	5.62E-07	5.65E-06	9.63E-06	7.14E-07	3.21E-06	5.31E-06	1.76E-07
1846	741127.75	4108222.46	3.76E-05	6.84E-05	3.76E-06	5.83E-06	1.12E-05	5.64E-07	5.66E-06	9.66E-06	7.16E-07	3.22E-06	5.33E-06	1.77E-07
1847	741151.75	4108218.04	3.77E-05	6.87E-05	3.77E-06	5.84E-06	1.13E-05	5.65E-07	5.68E-06	9.68E-06	7.18E-07	3.23E-06	5.34E-06	1.77E-07
1848	741175.76	4108213.61	3.78E-05	6.89E-05	3.78E-06	5.86E-06	1.13E-05	5.67E-07	5.70E-06	9.72E-06	7.20E-07	3.24E-06	5.36E-06	1.78E-07
1849	741199.76	4108209.19	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.75E-06	7.23E-07	3.25E-06	5.38E-06	1.78E-07
1850	741223.76	4108204.76	3.81E-05	6.93E-05	3.81E-06	5.90E-06	1.14E-05	5.71E-07	5.74E-06	9.78E-06	7.25E-07	3.26E-06	5.40E-06	1.79E-07
1851	741247.76	4108200.34	3.82E-05	6.96E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.76E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
1852	741271.76	4108195.91	3.83E-05	6.98E-05	3.83E-06	5.94E-06	1.14E-05	5.75E-07	5.78E-06	9.85E-06	7.30E-07	3.28E-06	5.43E-06	1.80E-07
1853	741295.77	4108191.49	3.84E-05	7.00E-05	3.85E-06	5.96E-06	1.15E-05	5.77E-07	5.80E-06	9.88E-06	7.32E-07	3.29E-06	5.45E-06	1.81E-07
1854	741319.77	4108187.06	3.86E-05	7.03E-05	3.86E-06	5.98E-06	1.15E-05	5.79E-07	5.82E-06	9.91E-06	7.35E-07	3.30E-06	5.47E-06	1.81E-07
1855	741343.77	4108182.64	3.87E-05	7.06E-05	3.87E-06	6.00E-06	1.16E-05	5.81E-07	5.84E-06	9.95E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
1856	741367.77	4108178.21	3.89E-05	7.09E-05	3.89E-06	6.03E-06	1.16E-05	5.84E-07	5.86E-06	1.00E-05	7.41E-07	3.33E-06	5.51E-06	1.83E-07
1857	741391.77	4108173.79	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
1858	741415.78	4108169.36	3.93E-05	7.17E-05	3.93E-06	6.10E-06	1.17E-05	5.90E-07	5.93E-06	1.01E-05	7.49E-07	3.37E-06	5.58E-06	1.85E-07
1859	741439.78	4108164.94	3.96E-05	7.21E-05	3.96E-06	6.14E-06	1.18E-05	5.94E-07	5.97E-06	1.02E-05	7.54E-07	3.39E-06	5.61E-06	1.86E-07
1860	741463.78	4108160.51	3.99E-05	7.27E-05	3.99E-06	6.18E-06	1.19E-05	5.99E-07	6.01E-06	1.03E-05	7.60E-07	3.42E-06	5.65E-06	1.87E-07
1861	741487.78	4108156.09	4.02E-05	7.33E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
1862	741511.79	4108151.67	4.05E-05	7.39E-05	4.06E-06	6.29E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.75E-06	1.91E-07
1863	741535.79	4108147.24	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.16E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
1864	741559.79	4108142.82	4.12E-05	7.51E-05	4.13E-06	6.39E-06	1.23E-05	6.19E-07	6.22E-06	1.06E-05	7.86E-07	3.53E-06	5.85E-06	1.94E-07
1865	741583.79	4108138.39	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
1866	741607.79	4108133.97	4.19E-05	7.63E-05	4.19E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.98E-07	3.59E-06	5.94E-06	1.97E-07
1867	741631.8	4108129.54	4.22E-05	7.69E-05	4.22E-06	6.54E-06	1.26E-05	6.33E-07	6.36E-06	1.08E-05	8.04E-07	3.62E-06	5.98E-06	1.98E-07
1868	741655.8	4108125.12	4.25E-05	7.74E-05	4.25E-06	6.59E-06	1.27E-05	6.37E-07	6.40E-06	1.09E-05	8.09E-07	3.64E-06	6.02E-06	2.00E-07
1869	741679.8	4108120.69	4.27E-05	7.79E-05	4.28E-06	6.63E-06	1.28E-05	6.41E-07	6.44E-06	1.10E-05	8.14E-07	3.66E-06	6.06E-06	2.01E-07
1870	741703.8	4108116.27	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
1871	741727.8	4108111.84	4.32E-05	7.87E-05	4.32E-06	6.70E-06	1.29E-05	6.48E-07	6.51E-06	1.11E-05	8.23E-07	3.70E-06	6.12E-06	2.03E-07
1872	741751.81	4108107.42	4.34E-05	7.91E-05	4.34E-06	6.73E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.27E-07	3.72E-06	6.15E-06	2.04E-07
1873	741775.81	4108102.99	4.36E-05	7.95E-05	4.37E-06	6.77E-06	1.30E-05	6.55E-07	6.58E-06	1.12E-05	8.32E-07	3.74E-06	6.19E-06	2.05E-07
1874	741799.81	4108098.57	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.37E-07	3.76E-06	6.22E-06	2.06E-07
1875	741823.81	4108094.14	4.42E-05	8.05E-05	4.42E-06	6.85E-06	1.32E-05	6.63E-07	6.66E-06	1.14E-05	8.42E-07	3.79E-06	6.26E-06	2.08E-07
1876	741847.82	4108089.72	4.45E-05	8.10E-05	4.45E-06	6.90E-06	1.33E-05	6.67E-07	6.71E-06	1.14E-05	8.47E-07	3.81E-06	6.30E-06	2.09E-07
1877	741871.82	4108085.29	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
1878	741895.82	4108080.87	4.51E-05	8.22E-05	4.51E-06	6.99E-06	1.35E-05	6.77E-07	6.80E-06	1.16E-05	8.59E-07	3.86E-06	6.39E-06	2.12E-07
1879	741919.82	4108076.44	4.54E-05	8.28E-05	4.54E-06	7.04E-06	1.36E-05	6.82E-07	6.85E-06	1.17E-05	8.65E-07	3.89E-06	6.44E-06	2.13E-07
1880	741943.82	4108072.02	4.57E-05	8.33E-05	4.58E-06	7.09E-06	1.37E-05	6.86E-07	6.90E-06	1.18E-05	8.71E-07	3.92E-06	6.48E-06	2.15E-07
1881	741967.83	4108067.59	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
1882	741991.83	4108063.17	4.62E-05	8.43E-05	4.63E-06	7.17E-06	1.38E-05	6.94E-07	6.97E-06	1.19E-05	8.81E-07	3.96E-06	6.56E-06	2.17E-07
1883	742015.83	4108058.74	4.64E-05	8.46E-05	4.65E-06	7.20E-06	1.39E-05	6.97E-07	7.00E-06	1.19E-05	8.85E-07	3.98E-06	6.58E-06	2.18E-07
1884	742039.83	4108054.32	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
1885	742063.83	4108049.89	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
1886	742087.84	4108045.47	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
1887	742111.84	4108041.04	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
1888	742135.84	4108036.62	4.64E-05	8.46E-05	4.65E-06	7.20E-06	1.39E-05	6.97E-07	7.00E-06	1.19E-05	8.85E-07	3.98E-06	6.58E-06	2.18E-07
1889	742159.84	4108032.19	4.63E-05	8.44E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.82E-07	3.97E-06	6.56E-06	2.18E-07
1890	742183.85	4108027.77	4.61E-05	8.41E-05	4.62E-06	7.15E-06	1.38E-05	6.92E-07	6.96E-06	1.19E-05	8.79E-07	3.95E-06	6.54E-06	2.17E-07
1891	742207.85	4108023.34	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.76E-07	3.94E-06	6.52E-06	2.16E-07
1892	742231.85	4108018.92	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
1893	742255.85	4108014.49	4.58E-05	8.35E-05	4.59E-06	7.11E-06	1.37E-05	6.88E-07	6.91E-06	1.18E-05	8.74E-07	3.93E-06	6.50E-06	2.15E-07
1894	742279.85	4108010.07	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.74E-07	3.93E-06	6.51E-06	2.16E-07
1895	742303.86	4108005.64	4.60E-05	8.38E-05	4.60E-06	7.14E-06	1.37E-05	6.91E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
1896	742327.86	4108001.22	4.62E-05	8.43E-05	4.63E-06	7.17E-06	1.38E-05	6.94E-07	6.97E-06	1.19E-05	8.81E-07	3.96E-06	6.56E-06	2.17E-07
1897	742351.86	4107996.79	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	6.99E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
1898	742375.86	4107992.37	4.70E-05	8.57E-05	4.71E-06	7.29E-06	1.40E-05	7.06E-07	7.09E-06	1.21E-05	8.96E-07	4.03E-06	6.67E-06	2.21E-07
1899	742399.87	4107987.94	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.17E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
1900	742423.87	4107983.52	4.82E-05	8.78E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.27E-06	1.24E-05	9.18E-07	4.13E-06	6.83E-06	2.26E-07
1901	742447.87	4107979.09	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
1902	742492.08	4107988.35	5.09E-05	9.28E-05	5.10E-06	7.90E-06	1.52E-05	7.65E-07	7.68E-06	1.31E-05	9.71E-07	4.36E-06	7.22E-06	2.39E-07
1903	742512.3	4108002.03	5.23E-05	9.53E-05	5.23E-06	8.11E-06	1.56E-05	7.85E-07	7.89E-06	1.34E-05	9.97E-07	4.48E-06	7.42E-06	2.46E-07
1904	742532.51	4108015.71	5.36E-05	9.77E-05	5.37E-06	8.32E-06	1.60E-05	8.05E-07	8.09E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
1905	742552.72	4108029.39	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.28E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
1906	742572.93	4108043.07	5.60E-05	1.02E-04	5.60E-06	8.68E-06	1.67E-05	8.40E-07	8.44E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
1907	742593.15	4108056.75	5.69E-05	1.04E-04	5.70E-06	8.83E-06	1.70E-05	8.54E-07	8.58E-06	1.46E-05	1.08E-06	4.88E-06	8.07E-06	2.68E-07
1908	742613.36	4108070.43	5.77E-05	1.05E-04	5.77E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.94E-06	8.18E-06	2.71E-07
1909	742633.57	4108084.11	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
1910	742653.78	4108097.79	5.87E-05	1.07E-04	5.88E-06	9.11E-06	1.75E-05	8.82E-07	8.86E-06	1.51E-05	1.12E-06	5.03E-06	8.33E-06	2.76E-07
1911	742673.99	4108111.47	5.90E-05	1.08E-04	5.90E-06	9.15E-06	1.76E-05	8.86E-07	8.90E-06	1.52E-05	1.12E-06	5.06E-06	8.37E-06	2.77E-07
1912	742694.21	4108125.15	5.92E-05	1.08E-04	5.92E-06	9.17E-06	1.77E-05	8.88E-07	8.92E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
1913	742714.42	4108138.83	5.92E-05	1.08E-04	5.93E-06	9.19E-06	1.77E-05	8.89E-07	8.93E-06	1.52E-05	1.13E-06	5.08E-06	8.40E-06	2.78E-07

1914	742734.63	4108152.51	5.93E-05	1.08E-04	5.93E-06	9.20E-06	1.77E-05	8.90E-07	8.94E-06	1.52E-05	1.13E-06	5.08E-06	8.41E-06	2.79E-07
1915	742754.84	4108166.19	5.94E-05	1.08E-04	5.94E-06	9.21E-06	1.77E-05	8.91E-07	8.95E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
1916	742775.06	4108179.87	5.95E-05	1.08E-04	5.95E-06	9.22E-06	1.78E-05	8.93E-07	8.97E-06	1.53E-05	1.13E-06	5.10E-06	8.43E-06	2.80E-07
1917	742795.27	4108193.55	5.97E-05	1.09E-04	5.97E-06	9.25E-06	1.78E-05	8.96E-07	9.00E-06	1.53E-05	1.14E-06	5.11E-06	8.46E-06	2.80E-07
1918	742815.48	4108207.23	6.01E-05	1.09E-04	6.01E-06	9.31E-06	1.79E-05	9.01E-07	9.06E-06	1.54E-05	1.14E-06	5.15E-06	8.52E-06	2.82E-07
1919	742835.69	4108220.91	6.05E-05	1.10E-04	6.06E-06	9.39E-06	1.81E-05	9.09E-07	9.13E-06	1.56E-05	1.15E-06	5.19E-06	8.58E-06	2.84E-07
1920	742855.9	4108234.59	6.12E-05	1.11E-04	6.12E-06	9.48E-06	1.83E-05	9.18E-07	9.22E-06	1.57E-05	1.17E-06	5.24E-06	8.67E-06	2.87E-07
1921	742876.12	4108248.27	6.19E-05	1.13E-04	6.20E-06	9.60E-06	1.85E-05	9.29E-07	9.34E-06	1.59E-05	1.18E-06	5.31E-06	8.78E-06	2.91E-07
1922	742896.33	4108261.95	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
1923	742916.54	4108275.63	6.38E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
1924	742936.75	4108289.31	6.50E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
1925	742956.97	4108302.99	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.69E-06	9.41E-06	3.12E-07
1926	742977.18	4108316.67	6.78E-05	1.24E-04	6.79E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.62E-06	3.19E-07
1927	742997.39	4108330.35	6.95E-05	1.27E-04	6.95E-06	1.08E-05	2.07E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.95E-06	9.85E-06	3.26E-07
1928	743017.6	4108344.03	7.13E-05	1.30E-04	7.13E-06	1.10E-05	2.13E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
1929	743037.82	4108357.71	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
1930	743058.03	4108371.39	7.52E-05	1.37E-04	7.53E-06	1.17E-05	2.25E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.45E-06	1.07E-05	3.54E-07
1931	743078.24	4108385.07	7.74E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.63E-06	1.10E-05	3.64E-07
1932	743098.45	4108398.75	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
1933	743118.66	4108412.43	8.22E-05	1.50E-04	8.22E-06	1.27E-05	2.46E-05	1.23E-06	1.24E-05	2.11E-05	1.57E-06	7.04E-06	1.17E-05	3.86E-07
1934	743138.88	4108426.11	8.47E-05	1.54E-04	8.48E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.26E-06	1.20E-05	3.98E-07
1935	743159.09	4108439.79	8.74E-05	1.59E-04	8.74E-06	1.35E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.66E-06	7.49E-06	1.24E-05	4.11E-07
1936	743179.3	4108453.47	9.01E-05	1.64E-04	9.02E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.72E-06	1.28E-05	4.24E-07
1937	743199.51	4108467.15	9.29E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.96E-06	1.32E-05	4.37E-07
1938	743219.73	4108480.83	9.57E-05	1.74E-04	9.58E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
1939	743239.94	4108494.51	9.85E-05	1.80E-04	9.86E-06	1.53E-05	2.94E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
1940	743260.15	4108508.19	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.68E-06	1.44E-05	4.76E-07
1941	743280.36	4108521.87	1.04E-04	1.90E-04	1.04E-05	1.61E-05	3.11E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.91E-06	1.47E-05	4.89E-07
1942	743300.58	4108535.55	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.14E-06	1.51E-05	5.01E-07
1943	743320.79	4108549.23	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.26E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.34E-06	1.55E-05	5.12E-07
1944	743341	4108562.91	1.11E-04	2.03E-04	1.11E-05	1.73E-05	3.32E-05	1.67E-06	1.68E-05	2.86E-05	2.12E-06	9.53E-06	1.58E-05	5.23E-07
1945	743361.21	4108576.59	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.70E-06	1.61E-05	5.32E-07
1946	743381.42	4108590.27	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.73E-06	1.73E-05	2.96E-05	2.19E-06	9.85E-06	1.63E-05	5.40E-07
1947	743401.64	4108603.95	1.16E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	2.99E-05	2.22E-06	9.98E-06	1.65E-05	5.47E-07
1948	743421.85	4108617.63	1.18E-04	2.14E-04	1.18E-05	1.82E-05	3.51E-05	1.77E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.67E-05	5.53E-07
1949	743442.06	4108631.32	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
1950	743462.27	4108645	1.20E-04	2.18E-04	1.20E-05	1.85E-05	3.57E-05	1.79E-06	1.80E-05	3.07E-05	2.28E-06	1.02E-05	1.70E-05	5.62E-07
1951	743482.49	4108658.68	1.20E-04	2.19E-04	1.20E-05	1.87E-05	3.60E-05	1.81E-06	1.82E-05	3.09E-05	2.29E-06	1.03E-05	1.71E-05	5.66E-07
1952	743502.7	4108672.36	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.62E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
1953	743522.91	4108686.04	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
1954	743543.12	4108699.72	1.23E-04	2.24E-04	1.23E-05	1.91E-05	3.67E-05	1.85E-06	1.85E-05	3.16E-05	2.34E-06	1.05E-05	1.74E-05	5.78E-07
1955	743563.33	4108713.4	1.24E-04	2.26E-04	1.24E-05	1.92E-05	3.70E-05	1.86E-06	1.87E-05	3.19E-05	2.36E-06	1.06E-05	1.76E-05	5.83E-07
1956	743583.55	4108727.08	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
1957	743603.76	4108740.76	1.26E-04	2.30E-04	1.26E-05	1.96E-05	3.77E-05	1.90E-06	1.90E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.94E-07
1958	743623.97	4108754.44	1.27E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	5.99E-07
1959	743644.18	4108768.12	1.28E-04	2.34E-04	1.29E-05	1.99E-05	3.84E-05	1.93E-06	1.94E-05	3.30E-05	2.45E-06	1.10E-05	1.82E-05	6.04E-07
1960	741055.74	4108235.74	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.30E-06	1.76E-07
1961	741035.11	4108249	3.78E-05	6.88E-05	3.78E-06	5.85E-06	1.13E-05	5.67E-07	5.69E-06	9.70E-06	7.19E-07	3.23E-06	5.35E-06	1.77E-07
1962	741014.47	4108262.25	3.82E-05	6.96E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.76E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
1963	740993.83	4108275.51	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.80E-07	5.83E-06	9.94E-06	7.37E-07	3.31E-06	5.48E-06	1.82E-07
1964	740973.19	4108288.77	3.93E-05	7.15E-05	3.93E-06	6.09E-06	1.17E-05	5.89E-07	5.92E-06	1.01E-05	7.48E-07	3.36E-06	5.57E-06	1.84E-07
1965	740952.55	4108302.02	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.60E-07	3.42E-06	5.66E-06	1.88E-07
1966	740931.91	4108315.28	4.06E-05	7.40E-05	4.06E-06	6.30E-06	1.21E-05	6.10E-07	6.12E-06	1.04E-05	7.74E-07	3.48E-06	5.76E-06	1.91E-07
1967	740863.38	4107894.8	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
1968	740887.18	4107890.41	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.37E-06	4.20E-07	4.22E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
1969	740910.99	4107886.02	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
1970	740934.8	4107881.63	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.43E-06	4.23E-07	4.25E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
1971	740958.61	4107877.24	2.83E-05	5.16E-05	2.84E-06	4.40E-06	8.47E-06	4.25E-07	4.27E-06	7.29E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
1972	740982.42	4107872.85	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.28E-07	4.30E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
1973	741006.23	4107868.46	2.86E-05	5.22E-05	2.87E-06	4.44E-06	8.56E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
1974	741030.04	4107864.07	2.88E-05	5.24E-05	2.88E-06	4.46E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.48E-07	2.47E-06	4.08E-06	1.35E-07
1975	741053.85	4107859.68	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
1976	741077.66	4107855.29	2.90E-05	5.29E-05	2.90E-06	4.50E-06	8.67E-06	4.36E-07	4.38E-06	7.46E-06	5.53E-07	2.49E-06	4.11E-06	1.36E-07
1977	741101.47	4107850.9	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.70E-06	4.37E-07	4.39E-06	7.48E-06	5.55E-07	2.49E-06	4.13E-06	1.37E-07
1978	741125.28	4107846.51	2.92E-05	5.32E-05	2.92E-06	4.52E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
1979	741149.09	4107842.13	2.92E-05	5.33E-05	2.93E-06	4.53E-06	8.73E-06	4.39E-07	4.41E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
1980	741172.89	4107837.74	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
1981	741196.7	4107833.35	2.93E-05	5.34E-05	2.93E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.53E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
1982	741220.51	4107828.96	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.16E-06	1.38E-07
1983	741244.32	4107824.57	2.94E-05	5.36E-05	2.95E-06	4.56E-06	8.79E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
1984	741268.13	4107820.18	2.95E-05	5.38E-05	2.95E-06	4.57E-06	8.81E-06	4.43E-07	4.45E-06	7.58E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07

1985	741291.94	4107815.79	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
1986	741315.75	4107811.4	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.88E-06	4.46E-07	4.48E-06	7.64E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
1987	741339.56	4107807.01	2.99E-05	5.45E-05	2.99E-06	4.64E-06	8.93E-06	4.49E-07	4.51E-06	7.68E-06	5.70E-07	2.56E-06	4.24E-06	1.40E-07
1988	741363.37	4107802.62	3.01E-05	5.48E-05	3.01E-06	4.67E-06	8.99E-06	4.52E-07	4.54E-06	7.74E-06	5.73E-07	2.58E-06	4.27E-06	1.41E-07
1989	741387.18	4107798.23	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.79E-06	5.78E-07	2.60E-06	4.30E-06	1.42E-07
1990	741410.99	4107793.84	3.06E-05	5.57E-05	3.06E-06	4.74E-06	9.13E-06	4.59E-07	4.61E-06	7.86E-06	5.83E-07	2.62E-06	4.33E-06	1.44E-07
1991	741434.8	4107789.45	3.08E-05	5.62E-05	3.09E-06	4.78E-06	9.21E-06	4.63E-07	4.65E-06	7.93E-06	5.88E-07	2.64E-06	4.37E-06	1.45E-07
1992	741458.6	4107785.06	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
1993	741482.41	4107780.67	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.39E-06	4.72E-07	4.74E-06	8.08E-06	5.99E-07	2.69E-06	4.45E-06	1.48E-07
1994	741506.22	4107776.28	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.47E-06	4.76E-07	4.78E-06	8.15E-06	6.04E-07	2.72E-06	4.50E-06	1.49E-07
1995	741530.03	4107771.9	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
1996	741553.84	4107767.51	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.85E-06	8.28E-06	6.14E-07	2.76E-06	4.56E-06	1.51E-07
1997	741577.65	4107763.12	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.68E-06	4.87E-07	4.89E-06	8.33E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
1998	741601.46	4107758.73	3.26E-05	5.94E-05	3.26E-06	5.05E-06	9.74E-06	4.89E-07	4.92E-06	8.38E-06	6.21E-07	2.79E-06	4.62E-06	1.53E-07
1999	741625.27	4107754.34	3.28E-05	5.97E-05	3.28E-06	5.08E-06	9.78E-06	4.92E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.64E-06	1.54E-07
2000	741649.08	4107749.95	3.29E-05	5.99E-05	3.29E-06	5.10E-06	9.82E-06	4.94E-07	4.96E-06	8.45E-06	6.27E-07	2.82E-06	4.66E-06	1.55E-07
2001	741672.89	4107745.56	3.30E-05	6.01E-05	3.30E-06	5.12E-06	9.85E-06	4.95E-07	4.97E-06	8.48E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
2002	741696.7	4107741.17	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.88E-06	4.97E-07	4.99E-06	8.51E-06	6.30E-07	2.84E-06	4.69E-06	1.55E-07
2003	741720.51	4107736.78	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.71E-06	1.56E-07
2004	741744.31	4107732.39	3.33E-05	6.06E-05	3.33E-06	5.16E-06	9.94E-06	4.99E-07	5.02E-06	8.55E-06	6.34E-07	2.85E-06	4.72E-06	1.56E-07
2005	741768.12	4107728	3.34E-05	6.09E-05	3.34E-06	5.18E-06	9.98E-06	5.01E-07	5.04E-06	8.59E-06	6.36E-07	2.86E-06	4.74E-06	1.57E-07
2006	741791.93	4107723.61	3.35E-05	6.11E-05	3.36E-06	5.20E-06	1.00E-05	5.03E-07	5.06E-06	8.62E-06	6.39E-07	2.87E-06	4.75E-06	1.58E-07
2007	741815.74	4107719.22	3.37E-05	6.14E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.66E-06	6.42E-07	2.89E-06	4.77E-06	1.58E-07
2008	741839.55	4107714.83	3.39E-05	6.17E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.11E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
2009	741863.36	4107710.44	3.41E-05	6.21E-05	3.41E-06	5.28E-06	1.02E-05	5.11E-07	5.14E-06	8.75E-06	6.49E-07	2.92E-06	4.83E-06	1.60E-07
2010	741887.17	4107706.05	3.43E-05	6.24E-05	3.43E-06	5.31E-06	1.02E-05	5.14E-07	5.17E-06	8.81E-06	6.53E-07	2.94E-06	4.86E-06	1.61E-07
2011	741910.98	4107701.67	3.45E-05	6.28E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.20E-06	8.87E-06	6.57E-07	2.96E-06	4.89E-06	1.62E-07
2012	741934.79	4107697.28	3.47E-05	6.33E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.92E-06	1.63E-07
2013	741958.6	4107692.89	3.49E-05	6.37E-05	3.50E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
2014	741982.41	4107688.5	3.52E-05	6.41E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.04E-06	6.70E-07	3.01E-06	4.99E-06	1.65E-07
2015	742006.21	4107684.11	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2016	742030.02	4107679.72	3.55E-05	6.47E-05	3.55E-06	5.50E-06	1.06E-05	5.33E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
2017	742053.83	4107675.33	3.56E-05	6.48E-05	3.56E-06	5.52E-06	1.06E-05	5.34E-07	5.37E-06	9.15E-06	6.78E-07	3.05E-06	5.04E-06	1.67E-07
2018	742077.64	4107670.94	3.56E-05	6.49E-05	3.56E-06	5.52E-06	1.06E-05	5.35E-07	5.37E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.67E-07
2019	742101.45	4107666.55	3.56E-05	6.49E-05	3.57E-06	5.53E-06	1.06E-05	5.35E-07	5.37E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.67E-07
2020	742125.26	4107662.16	3.56E-05	6.48E-05	3.56E-06	5.52E-06	1.06E-05	5.34E-07	5.37E-06	9.15E-06	6.78E-07	3.05E-06	5.04E-06	1.67E-07
2021	742149.07	4107657.77	3.55E-05	6.46E-05	3.55E-06	5.50E-06	1.06E-05	5.32E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
2022	742172.88	4107653.38	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.30E-07	5.33E-06	9.08E-06	6.73E-07	3.03E-06	5.01E-06	1.66E-07
2023	742196.69	4107648.99	3.52E-05	6.41E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.04E-06	6.70E-07	3.01E-06	4.99E-06	1.65E-07
2024	742220.5	4107644.6	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.25E-07	5.28E-06	8.99E-06	6.67E-07	3.00E-06	4.96E-06	1.64E-07
2025	742244.31	4107640.21	3.48E-05	6.34E-05	3.48E-06	5.40E-06	1.04E-05	5.22E-07	5.25E-06	8.95E-06	6.63E-07	2.98E-06	4.94E-06	1.64E-07
2026	742268.12	4107635.82	3.47E-05	6.32E-05	3.47E-06	5.37E-06	1.04E-05	5.20E-07	5.23E-06	8.91E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
2027	742291.92	4107631.44	3.45E-05	6.29E-05	3.46E-06	5.36E-06	1.03E-05	5.18E-07	5.21E-06	8.88E-06	6.58E-07	2.96E-06	4.90E-06	1.62E-07
2028	742315.73	4107627.05	3.45E-05	6.28E-05	3.45E-06	5.34E-06	1.03E-05	5.17E-07	5.20E-06	8.86E-06	6.57E-07	2.95E-06	4.89E-06	1.62E-07
2029	742339.54	4107622.66	3.44E-05	6.27E-05	3.45E-06	5.34E-06	1.03E-05	5.17E-07	5.19E-06	8.85E-06	6.56E-07	2.95E-06	4.88E-06	1.62E-07
2030	742363.35	4107618.27	3.45E-05	6.28E-05	3.45E-06	5.35E-06	1.03E-05	5.17E-07	5.20E-06	8.86E-06	6.57E-07	2.95E-06	4.89E-06	1.62E-07
2031	742387.16	4107613.88	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.21E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
2032	742410.97	4107609.49	3.47E-05	6.33E-05	3.48E-06	5.39E-06	1.04E-05	5.21E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.92E-06	1.63E-07
2033	742434.78	4107605.1	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.26E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.97E-06	1.65E-07
2034	742458.59	4107600.71	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.74E-07	3.03E-06	5.02E-06	1.66E-07
2035	742482.4	4107596.32	3.59E-05	6.53E-05	3.59E-06	5.56E-06	1.07E-05	5.38E-07	5.41E-06	9.22E-06	6.83E-07	3.07E-06	5.08E-06	1.69E-07
2036	742506.21	4107591.93	3.63E-05	6.62E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.34E-06	6.93E-07	3.11E-06	5.15E-06	1.71E-07
2037	742530.02	4107587.54	3.69E-05	6.71E-05	3.69E-06	5.71E-06	1.10E-05	5.53E-07	5.56E-06	9.47E-06	7.02E-07	3.16E-06	5.22E-06	1.73E-07
2038	742573.88	4107596.72	3.84E-05	7.00E-05	3.85E-06	5.96E-06	1.15E-05	5.77E-07	5.80E-06	9.88E-06	7.32E-07	3.29E-06	5.45E-06	1.81E-07
2039	742593.93	4107610.29	3.95E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.52E-07	3.38E-06	5.60E-06	1.85E-07
2040	742613.97	4107623.86	4.05E-05	7.37E-05	4.05E-06	6.28E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.71E-07	3.47E-06	5.74E-06	1.90E-07
2041	742634.02	4107637.43	4.14E-05	7.55E-05	4.15E-06	6.42E-06	1.24E-05	6.22E-07	6.25E-06	1.06E-05	7.89E-07	3.55E-06	5.87E-06	1.95E-07
2042	742654.07	4107651	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.62E-06	6.00E-06	1.99E-07
2043	742674.12	4107664.57	4.31E-05	7.85E-05	4.31E-06	6.68E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.21E-07	3.69E-06	6.11E-06	2.02E-07
2044	742694.17	4107678.14	4.37E-05	7.96E-05	4.37E-06	6.78E-06	1.31E-05	6.56E-07	6.59E-06	1.12E-05	8.33E-07	3.75E-06	6.20E-06	2.05E-07
2045	742714.22	4107691.71	4.43E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
2046	742734.27	4107705.28	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
2047	742754.32	4107718.85	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.86E-06	6.38E-06	2.11E-07
2048	742774.37	4107732.42	4.52E-05	8.23E-05	4.52E-06	7.00E-06	1.35E-05	6.78E-07	6.81E-06	1.16E-05	8.61E-07	3.87E-06	6.40E-06	2.12E-07
2049	742794.42	4107745.99	4.52E-05	8.24E-05	4.53E-06	7.01E-06	1.35E-05	6.79E-07	6.82E-06	1.16E-05	8.62E-07	3.88E-06	6.41E-06	2.13E-07
2050	742814.47	4107759.56	4.52E-05	8.24E-05	4.52E-06	7.01E-06	1.35E-05	6.78E-07	6.82E-06	1.16E-05	8.61E-07	3.87E-06	6.41E-06	2.12E-07
2051	742834.52	4107773.13	4.51E-05	8.22E-05	4.51E-06	7.00E-06	1.35E-05	6.77E-07	6.80E-06	1.16E-05	8.60E-07	3.87E-06	6.40E-06	2.12E-07
2052	742854.57	4107786.7	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.86E-06	6.38E-06	2.11E-07
2053	742874.62	4107800.27	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.77E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
2054	742894.67	4107813.85	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
2055	742914.72	4107827.42	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07

2056	742934.77	4107840.99	4.48E-05	8.17E-05	4.49E-06	6.95E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.54E-07	3.84E-06	6.36E-06	2.11E-07
2057	742954.82	4107854.56	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.85E-06	6.38E-06	2.11E-07
2058	742974.87	4107868.13	4.52E-05	8.24E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.82E-06	1.16E-05	8.62E-07	3.88E-06	6.42E-06	2.13E-07
2059	742994.92	4107881.7	4.56E-05	8.31E-05	4.56E-06	7.07E-06	1.36E-05	6.85E-07	6.88E-06	1.17E-05	8.69E-07	3.91E-06	6.47E-06	2.14E-07
2060	743014.97	4107895.27	4.61E-05	8.40E-05	4.61E-06	7.15E-06	1.38E-05	6.92E-07	6.95E-06	1.19E-05	8.79E-07	3.95E-06	6.54E-06	2.17E-07
2061	743035.02	4107908.84	4.67E-05	8.51E-05	4.67E-06	7.24E-06	1.39E-05	7.01E-07	7.04E-06	1.20E-05	8.90E-07	4.00E-06	6.62E-06	2.19E-07
2062	743055.07	4107922.41	4.73E-05	8.63E-05	4.74E-06	7.34E-06	1.41E-05	7.11E-07	7.14E-06	1.22E-05	9.02E-07	4.06E-06	6.71E-06	2.22E-07
2063	743075.12	4107935.98	4.81E-05	8.76E-05	4.81E-06	7.45E-06	1.44E-05	7.21E-07	7.25E-06	1.24E-05	9.16E-07	4.12E-06	6.82E-06	2.26E-07
2064	743095.17	4107949.55	4.89E-05	8.90E-05	4.89E-06	7.58E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
2065	743115.22	4107963.12	4.97E-05	9.05E-05	4.97E-06	7.71E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.05E-06	2.34E-07
2066	743135.27	4107976.69	5.06E-05	9.22E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.33E-06	7.17E-06	2.38E-07
2067	743155.32	4107990.26	5.15E-05	9.39E-05	5.16E-06	7.99E-06	1.54E-05	7.73E-07	7.77E-06	1.32E-05	9.82E-07	4.42E-06	7.31E-06	2.42E-07
2068	743175.37	4108003.83	5.25E-05	9.57E-05	5.26E-06	8.15E-06	1.57E-05	7.88E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
2069	743195.42	4108017.4	5.36E-05	9.77E-05	5.36E-06	8.31E-06	1.60E-05	8.05E-07	8.08E-06	1.38E-05	1.02E-06	4.59E-06	7.60E-06	2.52E-07
2070	743215.47	4108030.97	5.48E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.77E-06	2.57E-07
2071	743235.52	4108044.54	5.60E-05	1.02E-04	5.60E-06	8.68E-06	1.67E-05	8.40E-07	8.44E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
2072	743255.57	4108058.11	5.73E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.64E-06	1.47E-05	1.09E-06	4.91E-06	8.12E-06	2.69E-07
2073	743275.62	4108071.68	5.86E-05	1.07E-04	5.86E-06	9.09E-06	1.75E-05	8.80E-07	8.84E-06	1.51E-05	1.12E-06	5.02E-06	8.31E-06	2.75E-07
2074	743295.67	4108085.25	6.01E-05	1.09E-04	6.01E-06	9.31E-06	1.79E-05	9.01E-07	9.06E-06	1.54E-05	1.14E-06	5.15E-06	8.52E-06	2.82E-07
2075	743315.72	4108098.82	6.16E-05	1.12E-04	6.16E-06	9.55E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.28E-06	8.73E-06	2.89E-07
2076	743335.77	4108112.39	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.96E-07
2077	743355.82	4108125.96	6.47E-05	1.18E-04	6.47E-06	1.00E-05	1.93E-05	9.71E-07	9.75E-06	1.66E-05	1.23E-06	5.54E-06	9.17E-06	3.04E-07
2078	743375.87	4108139.53	6.63E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.95E-07	1.00E-05	1.70E-05	1.26E-06	5.68E-06	9.40E-06	3.12E-07
2079	743395.92	4108153.1	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
2080	743415.97	4108166.67	6.96E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.33E-06	5.96E-06	9.87E-06	3.27E-07
2081	743436.01	4108180.24	7.13E-05	1.30E-04	7.13E-06	1.11E-05	2.13E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
2082	743456.06	4108193.81	7.30E-05	1.33E-04	7.30E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.43E-07
2083	743476.11	4108207.38	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
2084	743496.16	4108220.95	7.64E-05	1.39E-04	7.65E-06	1.19E-05	2.28E-05	1.15E-06	1.15E-05	1.96E-05	1.46E-06	6.55E-06	1.08E-05	3.59E-07
2085	743516.21	4108234.52	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
2086	743536.26	4108248.09	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
2087	743556.31	4108261.66	8.13E-05	1.48E-04	8.13E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.97E-06	1.15E-05	3.82E-07
2088	743576.36	4108275.23	8.28E-05	1.51E-04	8.28E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.09E-06	1.17E-05	3.89E-07
2089	743596.41	4108288.8	8.41E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
2090	743616.46	4108302.37	8.53E-05	1.55E-04	8.53E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
2091	743636.51	4108315.94	8.63E-05	1.57E-04	8.64E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.64E-06	7.40E-06	1.22E-05	4.06E-07
2092	743656.56	4108329.51	8.72E-05	1.59E-04	8.72E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.47E-06	1.24E-05	4.10E-07
2093	743676.61	4108343.08	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
2094	743696.66	4108356.65	8.85E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.69E-06	7.58E-06	1.25E-05	4.16E-07
2095	743716.71	4108370.22	8.89E-05	1.62E-04	8.89E-06	1.38E-05	2.66E-05	1.33E-06	1.34E-05	2.29E-05	1.69E-06	7.62E-06	1.26E-05	4.18E-07
2096	743736.76	4108383.79	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
2097	743756.81	4108397.36	8.96E-05	1.63E-04	8.97E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.30E-05	1.71E-06	7.68E-06	1.27E-05	4.21E-07
2098	743776.86	4108410.93	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.71E-06	1.28E-05	4.23E-07
2099	743796.91	4108424.5	9.04E-05	1.65E-04	9.05E-06	1.40E-05	2.70E-05	1.36E-06	1.36E-05	2.32E-05	1.72E-06	7.75E-06	1.28E-05	4.25E-07
2100	743816.96	4108438.07	9.09E-05	1.66E-04	9.10E-06	1.41E-05	2.72E-05	1.36E-06	1.37E-05	2.34E-05	1.73E-06	7.79E-06	1.29E-05	4.27E-07
2101	743837.01	4108451.64	9.16E-05	1.67E-04	9.16E-06	1.42E-05	2.74E-05	1.37E-06	1.38E-05	2.35E-05	1.75E-06	7.85E-06	1.30E-05	4.30E-07
2102	743857.06	4108465.21	9.23E-05	1.68E-04	9.24E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.37E-05	1.76E-06	7.91E-06	1.31E-05	4.34E-07
2103	743877.11	4108478.78	9.32E-05	1.70E-04	9.32E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.40E-05	1.78E-06	7.98E-06	1.32E-05	4.38E-07
2104	743897.16	4108492.35	9.41E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
2105	743917.21	4108505.92	9.50E-05	1.73E-04	9.50E-06	1.47E-05	2.84E-05	1.43E-06	1.43E-05	2.44E-05	1.81E-06	8.14E-06	1.35E-05	4.46E-07
2106	743937.26	4108519.49	9.58E-05	1.75E-04	9.59E-06	1.49E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.83E-06	8.21E-06	1.36E-05	4.50E-07
2107	743957.31	4108533.06	9.66E-05	1.76E-04	9.66E-06	1.50E-05	2.88E-05	1.45E-06	1.46E-05	2.48E-05	1.84E-06	8.27E-06	1.37E-05	4.54E-07
2108	743977.36	4108546.63	9.72E-05	1.77E-04	9.73E-06	1.51E-05	2.90E-05	1.46E-06	1.47E-05	2.50E-05	1.85E-06	8.33E-06	1.38E-05	4.57E-07
2109	740839.57	4107899.19	2.80E-05	5.09E-05	2.80E-06	4.33E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
2110	740818.93	4107912.44	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.43E-06	4.23E-07	4.25E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
2111	740798.29	4107925.7	2.85E-05	5.20E-05	2.85E-06	4.42E-06	8.52E-06	4.28E-07	4.30E-06	7.33E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
2112	740777.65	4107938.96	2.89E-05	5.26E-05	2.89E-06	4.48E-06	8.63E-06	4.34E-07	4.36E-06	7.43E-06	5.50E-07	2.48E-06	4.10E-06	1.36E-07
2113	740757.01	4107952.21	2.93E-05	5.35E-05	2.94E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.54E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
2114	740736.37	4107965.47	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.91E-06	4.48E-07	4.50E-06	7.67E-06	5.68E-07	2.56E-06	4.23E-06	1.40E-07
2115	740715.74	4107978.73	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
2116	740647.35	4107558.22	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
2117	740671.3	4107553.8	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.54E-06	3.29E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.11E-06	1.03E-07
2118	740695.26	4107549.39	2.20E-05	4.00E-05	2.20E-06	3.41E-06	6.56E-06	3.30E-07	3.31E-06	5.65E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
2119	740719.22	4107544.97	2.21E-05	4.02E-05	2.21E-06	3.42E-06	6.59E-06	3.31E-07	3.33E-06	5.67E-06	4.20E-07	1.89E-06	3.13E-06	1.04E-07
2120	740743.17	4107540.55	2.22E-05	4.04E-05	2.22E-06	3.44E-06	6.62E-06	3.33E-07	3.34E-06	5.70E-06	4.23E-07	1.90E-06	3.14E-06	1.04E-07
2121	740767.13	4107536.14	2.23E-05	4.07E-05	2.23E-06	3.46E-06	6.67E-06	3.35E-07	3.37E-06	5.74E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
2122	740791.09	4107531.72	2.25E-05	4.10E-05	2.25E-06	3.49E-06	6.71E-06	3.37E-07	3.39E-06	5.78E-06	4.28E-07	1.93E-06	3.19E-06	1.06E-07
2123	740815.04	4107527.3	2.26E-05	4.13E-05	2.27E-06	3.51E-06	6.76E-06	3.40E-07	3.41E-06	5.82E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
2124	740839	4107522.89	2.28E-05	4.15E-05	2.28E-06	3.54E-06	6.81E-06	3.42E-07	3.44E-06	5.86E-06	4.34E-07	1.95E-06	3.23E-06	1.07E-07
2125	740862.96	4107518.47	2.29E-05	4.18E-05	2.29E-06	3.56E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
2126	740886.92	4107514.05	2.31E-05	4.20E-05	2.31E-06	3.57E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.39E-07	1.98E-06	3.27E-06	1.08E-07

2127	740910.87	4107509.64	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.47E-07	3.49E-06	5.95E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
2128	740934.83	4107505.22	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.94E-06	3.49E-07	3.50E-06	5.97E-06	4.43E-07	1.99E-06	3.29E-06	1.09E-07
2129	740958.79	4107500.8	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2130	740982.74	4107496.39	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.10E-07
2131	741006.7	4107491.97	2.33E-05	4.25E-05	2.33E-06	3.62E-06	6.97E-06	3.50E-07	3.52E-06	5.99E-06	4.44E-07	2.00E-06	3.31E-06	1.10E-07
2132	741030.66	4107487.55	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.10E-07
2133	741054.62	4107483.14	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2134	741078.57	4107478.72	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.44E-07	1.99E-06	3.30E-06	1.09E-07
2135	741102.53	4107474.3	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
2136	741126.49	4107469.89	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
2137	741150.44	4107465.47	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
2138	741174.4	4107461.05	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2139	741198.36	4107456.64	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
2140	741222.31	4107452.22	2.35E-05	4.28E-05	2.35E-06	3.64E-06	7.01E-06	3.52E-07	3.54E-06	6.03E-06	4.47E-07	2.01E-06	3.33E-06	1.10E-07
2141	741246.27	4107447.8	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
2142	741270.23	4107443.39	2.38E-05	4.33E-05	2.38E-06	3.69E-06	7.10E-06	3.57E-07	3.58E-06	6.11E-06	4.53E-07	2.04E-06	3.37E-06	1.12E-07
2143	741294.19	4107438.97	2.40E-05	4.36E-05	2.40E-06	3.71E-06	7.16E-06	3.60E-07	3.61E-06	6.16E-06	4.56E-07	2.05E-06	3.40E-06	1.13E-07
2144	741318.14	4107434.55	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
2145	741342.1	4107430.14	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.29E-06	3.66E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
2146	741366.06	4107425.72	2.47E-05	4.49E-05	2.47E-06	3.82E-06	7.37E-06	3.70E-07	3.72E-06	6.34E-06	4.70E-07	2.11E-06	3.50E-06	1.16E-07
2147	741390.01	4107421.3	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.44E-06	3.74E-07	3.76E-06	6.40E-06	4.75E-07	2.13E-06	3.53E-06	1.17E-07
2148	741413.97	4107416.89	2.52E-05	4.58E-05	2.52E-06	3.90E-06	7.52E-06	3.78E-07	3.79E-06	6.47E-06	4.79E-07	2.16E-06	3.57E-06	1.18E-07
2149	741437.93	4107412.47	2.54E-05	4.63E-05	2.54E-06	3.94E-06	7.59E-06	3.81E-07	3.83E-06	6.53E-06	4.84E-07	2.18E-06	3.60E-06	1.19E-07
2150	741461.88	4107408.05	2.56E-05	4.67E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
2151	741485.84	4107403.64	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.71E-06	3.87E-07	3.89E-06	6.63E-06	4.92E-07	2.21E-06	3.66E-06	1.21E-07
2152	741509.8	4107399.22	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.92E-06	6.68E-06	4.95E-07	2.23E-06	3.68E-06	1.22E-07
2153	741533.76	4107394.8	2.61E-05	4.76E-05	2.61E-06	4.05E-06	7.80E-06	3.92E-07	3.94E-06	6.71E-06	4.97E-07	2.24E-06	3.70E-06	1.23E-07
2154	741557.71	4107390.39	2.62E-05	4.78E-05	2.62E-06	4.07E-06	7.83E-06	3.93E-07	3.95E-06	6.74E-06	5.00E-07	2.25E-06	3.72E-06	1.23E-07
2155	741581.67	4107385.97	2.63E-05	4.79E-05	2.63E-06	4.08E-06	7.86E-06	3.95E-07	3.96E-06	6.76E-06	5.01E-07	2.25E-06	3.73E-06	1.24E-07
2156	741605.63	4107381.55	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
2157	741629.58	4107377.14	2.64E-05	4.81E-05	2.64E-06	4.09E-06	7.88E-06	3.96E-07	3.98E-06	6.78E-06	5.03E-07	2.26E-06	3.74E-06	1.24E-07
2158	741653.54	4107372.72	2.64E-05	4.81E-05	2.64E-06	4.10E-06	7.89E-06	3.96E-07	3.98E-06	6.79E-06	5.03E-07	2.26E-06	3.75E-06	1.24E-07
2159	741677.5	4107368.3	2.64E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
2160	741701.46	4107363.89	2.65E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
2161	741725.41	4107359.47	2.65E-05	4.83E-05	2.65E-06	4.11E-06	7.91E-06	3.98E-07	4.00E-06	6.81E-06	5.05E-07	2.27E-06	3.76E-06	1.25E-07
2162	741749.37	4107355.05	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
2163	741773.33	4107350.64	2.66E-05	4.85E-05	2.66E-06	4.13E-06	7.95E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
2164	741797.28	4107346.22	2.67E-05	4.86E-05	2.67E-06	4.14E-06	7.97E-06	4.01E-07	4.03E-06	6.86E-06	5.09E-07	2.29E-06	3.78E-06	1.25E-07
2165	741821.24	4107341.8	2.68E-05	4.88E-05	2.68E-06	4.16E-06	8.01E-06	4.02E-07	4.04E-06	6.89E-06	5.11E-07	2.30E-06	3.80E-06	1.26E-07
2166	741845.2	4107337.39	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.05E-06	4.04E-07	4.06E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
2167	741869.15	4107332.97	2.71E-05	4.94E-05	2.71E-06	4.20E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.84E-06	1.27E-07
2168	741893.11	4107328.55	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.15E-06	4.10E-07	4.11E-06	7.01E-06	5.20E-07	2.34E-06	3.87E-06	1.28E-07
2169	741917.07	4107324.14	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.12E-07	4.14E-06	7.06E-06	5.24E-07	2.35E-06	3.90E-06	1.29E-07
2170	741941.03	4107319.72	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.26E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
2171	741964.98	4107315.3	2.78E-05	5.07E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
2172	741988.94	4107310.89	2.80E-05	5.11E-05	2.80E-06	4.35E-06	8.37E-06	4.21E-07	4.23E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
2173	742012.9	4107306.47	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
2174	742036.85	4107302.05	2.83E-05	5.16E-05	2.83E-06	4.39E-06	8.45E-06	4.25E-07	4.27E-06	7.27E-06	5.39E-07	2.42E-06	4.01E-06	1.33E-07
2175	742060.81	4107297.64	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.02E-06	1.33E-07
2176	742084.77	4107293.22	2.84E-05	5.18E-05	2.84E-06	4.41E-06	8.49E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
2177	742108.72	4107288.8	2.84E-05	5.18E-05	2.85E-06	4.41E-06	8.50E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
2178	742132.68	4107284.39	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.03E-06	1.33E-07
2179	742156.64	4107279.97	2.83E-05	5.16E-05	2.83E-06	4.39E-06	8.46E-06	4.25E-07	4.27E-06	7.28E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
2180	742180.6	4107275.55	2.82E-05	5.14E-05	2.82E-06	4.38E-06	8.43E-06	4.24E-07	4.26E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
2181	742204.55	4107271.14	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
2182	742228.51	4107266.72	2.79E-05	5.09E-05	2.79E-06	4.33E-06	8.34E-06	4.19E-07	4.21E-06	7.18E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
2183	742252.47	4107262.3	2.78E-05	5.06E-05	2.78E-06	4.30E-06	8.29E-06	4.17E-07	4.18E-06	7.13E-06	5.29E-07	2.38E-06	3.93E-06	1.30E-07
2184	742276.42	4107257.89	2.76E-05	5.02E-05	2.76E-06	4.27E-06	8.23E-06	4.14E-07	4.16E-06	7.09E-06	5.25E-07	2.36E-06	3.91E-06	1.30E-07
2185	742300.38	4107253.47	2.74E-05	4.99E-05	2.74E-06	4.25E-06	8.18E-06	4.11E-07	4.13E-06	7.04E-06	5.22E-07	2.35E-06	3.88E-06	1.29E-07
2186	742324.34	4107249.05	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.14E-06	4.09E-07	4.11E-06	7.01E-06	5.19E-07	2.34E-06	3.86E-06	1.28E-07
2187	742348.3	4107244.64	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.85E-06	1.27E-07
2188	742372.25	4107240.22	2.71E-05	4.93E-05	2.71E-06	4.19E-06	8.08E-06	4.06E-07	4.08E-06	6.95E-06	5.15E-07	2.32E-06	3.84E-06	1.27E-07
2189	742396.21	4107235.8	2.70E-05	4.92E-05	2.70E-06	4.19E-06	8.07E-06	4.05E-07	4.07E-06	6.95E-06	5.15E-07	2.32E-06	3.83E-06	1.27E-07
2190	742420.17	4107231.39	2.70E-05	4.93E-05	2.71E-06	4.19E-06	8.08E-06	4.06E-07	4.08E-06	6.95E-06	5.15E-07	2.32E-06	3.83E-06	1.27E-07
2191	742444.12	4107226.97	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.84E-06	1.27E-07
2192	742468.08	4107222.55	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.14E-06	4.09E-07	4.11E-06	7.01E-06	5.19E-07	2.34E-06	3.86E-06	1.28E-07
2193	742492.04	4107218.14	2.75E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.06E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
2194	742515.99	4107213.72	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.27E-06	4.16E-07	4.18E-06	7.12E-06	5.28E-07	2.37E-06	3.93E-06	1.30E-07
2195	742539.95	4107209.3	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.36E-06	4.20E-07	4.22E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
2196	742563.91	4107204.89	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.47E-06	4.26E-07	4.28E-06	7.29E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
2197	742587.87	4107200.47	2.87E-05	5.24E-05	2.88E-06	4.46E-06	8.59E-06	4.31E-07	4.33E-06	7.39E-06	5.48E-07	2.46E-06	4.08E-06	1.35E-07

2198	742611.82	4107196.05	2.92E-05	5.31E-05	2.92E-06	4.52E-06	8.71E-06	4.38E-07	4.40E-06	7.49E-06	5.56E-07	2.50E-06	4.13E-06	1.37E-07
2199	742655.95	4107205.29	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
2200	742676.13	4107218.95	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
2201	742696.3	4107232.6	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
2202	742716.48	4107246.26	3.26E-05	5.94E-05	3.26E-06	5.06E-06	9.74E-06	4.90E-07	4.92E-06	8.39E-06	6.22E-07	2.80E-06	4.62E-06	1.53E-07
2203	742736.65	4107259.91	3.33E-05	6.07E-05	3.34E-06	5.17E-06	9.96E-06	5.00E-07	5.03E-06	8.57E-06	6.35E-07	2.86E-06	4.73E-06	1.57E-07
2204	742756.83	4107273.56	3.40E-05	6.19E-05	3.40E-06	5.27E-06	1.02E-05	5.10E-07	5.13E-06	8.74E-06	6.48E-07	2.91E-06	4.82E-06	1.60E-07
2205	742777	4107287.22	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.21E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
2206	742797.17	4107300.87	3.51E-05	6.40E-05	3.51E-06	5.44E-06	1.05E-05	5.27E-07	5.29E-06	9.02E-06	6.69E-07	3.01E-06	4.98E-06	1.65E-07
2207	742817.35	4107314.53	3.55E-05	6.48E-05	3.56E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.14E-06	6.77E-07	3.05E-06	5.04E-06	1.67E-07
2208	742837.52	4107328.18	3.59E-05	6.54E-05	3.59E-06	5.56E-06	1.07E-05	5.39E-07	5.41E-06	9.22E-06	6.84E-07	3.07E-06	5.09E-06	1.69E-07
2209	742857.7	4107341.84	3.61E-05	6.58E-05	3.61E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.88E-07	3.10E-06	5.12E-06	1.70E-07
2210	742877.87	4107355.49	3.63E-05	6.61E-05	3.63E-06	5.62E-06	1.08E-05	5.44E-07	5.47E-06	9.32E-06	6.91E-07	3.11E-06	5.14E-06	1.70E-07
2211	742898.05	4107369.15	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
2212	742918.22	4107382.8	3.63E-05	6.61E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.47E-06	9.33E-06	6.91E-07	3.11E-06	5.14E-06	1.71E-07
2213	742938.39	4107396.45	3.62E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.46E-06	9.30E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
2214	742958.57	4107410.11	3.60E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.43E-06	9.26E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
2215	742978.74	4107423.76	3.59E-05	6.53E-05	3.59E-06	5.56E-06	1.07E-05	5.38E-07	5.41E-06	9.22E-06	6.83E-07	3.07E-06	5.08E-06	1.69E-07
2216	742998.92	4107437.42	3.57E-05	6.50E-05	3.57E-06	5.53E-06	1.07E-05	5.36E-07	5.38E-06	9.17E-06	6.80E-07	3.06E-06	5.06E-06	1.68E-07
2217	743019.09	4107451.07	3.55E-05	6.47E-05	3.55E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.13E-06	6.77E-07	3.04E-06	5.04E-06	1.67E-07
2218	743039.27	4107464.73	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.74E-07	3.03E-06	5.02E-06	1.66E-07
2219	743059.44	4107478.38	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2220	743079.61	4107492.04	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2221	743099.79	4107505.69	3.55E-05	6.46E-05	3.55E-06	5.50E-06	1.06E-05	5.32E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
2222	743119.96	4107519.34	3.57E-05	6.50E-05	3.57E-06	5.53E-06	1.07E-05	5.35E-07	5.38E-06	9.17E-06	6.80E-07	3.06E-06	5.06E-06	1.68E-07
2223	743140.14	4107533	3.60E-05	6.55E-05	3.60E-06	5.58E-06	1.07E-05	5.40E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.10E-06	1.69E-07
2224	743160.31	4107546.65	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.09E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
2225	743180.49	4107560.31	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.55E-06	9.45E-06	7.01E-07	3.15E-06	5.21E-06	1.73E-07
2226	743200.66	4107573.96	3.73E-05	6.79E-05	3.73E-06	5.78E-06	1.11E-05	5.59E-07	5.62E-06	9.58E-06	7.10E-07	3.19E-06	5.28E-06	1.75E-07
2227	743220.83	4107587.62	3.78E-05	6.89E-05	3.78E-06	5.86E-06	1.13E-05	5.68E-07	5.70E-06	9.72E-06	7.21E-07	3.24E-06	5.36E-06	1.78E-07
2228	743241.01	4107601.27	3.84E-05	7.00E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.79E-06	9.87E-06	7.32E-07	3.29E-06	5.44E-06	1.80E-07
2229	743261.18	4107614.93	3.90E-05	7.11E-05	3.90E-06	6.05E-06	1.17E-05	5.85E-07	5.88E-06	1.00E-05	7.43E-07	3.34E-06	5.53E-06	1.83E-07
2230	743281.36	4107628.58	3.96E-05	7.22E-05	3.96E-06	6.14E-06	1.18E-05	5.95E-07	5.97E-06	1.02E-05	7.55E-07	3.39E-06	5.62E-06	1.86E-07
2231	743301.53	4107642.23	4.03E-05	7.34E-05	4.03E-06	6.24E-06	1.20E-05	6.04E-07	6.07E-06	1.03E-05	7.67E-07	3.45E-06	5.71E-06	1.89E-07
2232	743321.71	4107655.89	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
2233	743341.88	4107669.54	4.16E-05	7.57E-05	4.16E-06	6.44E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
2234	743362.05	4107683.2	4.22E-05	7.70E-05	4.23E-06	6.55E-06	1.26E-05	6.34E-07	6.37E-06	1.09E-05	8.05E-07	3.62E-06	5.99E-06	1.99E-07
2235	743382.23	4107696.85	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
2236	743402.4	4107710.51	4.38E-05	7.97E-05	4.38E-06	6.79E-06	1.31E-05	6.57E-07	6.60E-06	1.12E-05	8.34E-07	3.75E-06	6.20E-06	2.06E-07
2237	743422.58	4107724.16	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
2238	743442.75	4107737.82	4.54E-05	8.28E-05	4.54E-06	7.04E-06	1.36E-05	6.82E-07	6.85E-06	1.17E-05	8.65E-07	3.89E-06	6.44E-06	2.13E-07
2239	743462.93	4107751.47	4.63E-05	8.44E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
2240	743483.1	4107765.13	4.73E-05	8.61E-05	4.73E-06	7.33E-06	1.41E-05	7.09E-07	7.13E-06	1.21E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
2241	743503.27	4107778.78	4.83E-05	8.79E-05	4.83E-06	7.48E-06	1.44E-05	7.24E-07	7.28E-06	1.24E-05	9.20E-07	4.14E-06	6.84E-06	2.27E-07
2242	743523.45	4107792.43	4.93E-05	8.98E-05	4.93E-06	7.65E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
2243	743543.62	4107806.09	5.03E-05	9.17E-05	5.04E-06	7.81E-06	1.50E-05	7.55E-07	7.59E-06	1.29E-05	9.59E-07	4.31E-06	7.14E-06	2.37E-07
2244	743563.8	4107819.74	5.14E-05	9.36E-05	5.14E-06	7.97E-06	1.54E-05	7.71E-07	7.75E-06	1.32E-05	9.79E-07	4.40E-06	7.29E-06	2.41E-07
2245	743583.97	4107833.4	5.25E-05	9.56E-05	5.25E-06	8.13E-06	1.57E-05	7.87E-07	7.91E-06	1.35E-05	1.00E-06	4.49E-06	7.44E-06	2.46E-07
2246	743604.15	4107847.05	5.35E-05	9.75E-05	5.36E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.59E-06	7.59E-06	2.52E-07
2247	743624.32	4107860.71	5.46E-05	9.95E-05	5.46E-06	8.47E-06	1.63E-05	8.20E-07	8.24E-06	1.40E-05	1.04E-06	4.68E-06	7.74E-06	2.57E-07
2248	743644.49	4107874.36	5.57E-05	1.02E-04	5.57E-06	8.64E-06	1.66E-05	8.36E-07	8.40E-06	1.43E-05	1.06E-06	4.77E-06	7.90E-06	2.62E-07
2249	743664.67	4107888.02	5.68E-05	1.04E-04	5.68E-06	8.81E-06	1.70E-05	8.53E-07	8.57E-06	1.46E-05	1.08E-06	4.87E-06	8.05E-06	2.67E-07
2250	743684.84	4107901.67	5.79E-05	1.06E-04	5.80E-06	8.98E-06	1.73E-05	8.69E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.21E-06	2.72E-07
2251	743705.02	4107915.32	5.90E-05	1.08E-04	5.91E-06	9.15E-06	1.76E-05	8.86E-07	8.90E-06	1.52E-05	1.12E-06	5.06E-06	8.37E-06	2.77E-07
2252	743725.19	4107928.98	6.02E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
2253	743745.37	4107942.63	6.13E-05	1.12E-04	6.13E-06	9.51E-06	1.83E-05	9.20E-07	9.24E-06	1.58E-05	1.17E-06	5.25E-06	8.69E-06	2.88E-07
2254	743765.54	4107956.29	6.24E-05	1.14E-04	6.24E-06	9.68E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
2255	743785.71	4107969.94	6.35E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.53E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	9.00E-06	2.98E-07
2256	743805.89	4107983.6	6.45E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
2257	743826.06	4107997.25	6.55E-05	1.19E-04	6.56E-06	1.02E-05	1.96E-05	9.84E-07	9.88E-06	1.68E-05	1.25E-06	5.62E-06	9.29E-06	3.08E-07
2258	743846.24	4108010.91	6.64E-05	1.21E-04	6.65E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
2259	743866.41	4108024.56	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.76E-06	9.54E-06	3.16E-07
2260	743886.59	4108038.21	6.80E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.64E-06	3.20E-07
2261	743906.76	4108051.87	6.86E-05	1.25E-04	6.87E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.88E-06	9.73E-06	3.23E-07
2262	743926.93	4108065.52	6.91E-05	1.26E-04	6.92E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.92E-06	9.80E-06	3.25E-07
2263	743947.11	4108079.18	6.95E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.96E-06	9.86E-06	3.27E-07
2264	743967.28	4108092.83	6.98E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.98E-06	9.90E-06	3.28E-07
2265	743987.46	4108106.49	7.00E-05	1.28E-04	7.00E-06	1.09E-05	2.09E-05	1.05E-06	1.06E-05	1.80E-05	1.33E-06	6.00E-06	9.93E-06	3.29E-07
2266	744007.63	4108120.14	7.02E-05	1.28E-04	7.02E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.80E-05	1.34E-06	6.01E-06	9.95E-06	3.30E-07
2267	744027.81	4108133.8	7.03E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.97E-06	3.30E-07
2268	744047.98	4108147.45	7.05E-05	1.28E-04	7.05E-06	1.09E-05	2.11E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.04E-06	1.00E-05	3.31E-07

2269	744068.15	4108161.1	7.07E-05	1.29E-04	7.08E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.06E-06	1.00E-05	3.32E-07
2270	744088.33	4108174.76	7.10E-05	1.29E-04	7.11E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.35E-06	6.09E-06	1.01E-05	3.34E-07
2271	744108.5	4108188.41	7.14E-05	1.30E-04	7.15E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.12E-06	1.01E-05	3.36E-07
2272	744128.68	4108202.07	7.19E-05	1.31E-04	7.20E-06	1.12E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.16E-06	1.02E-05	3.38E-07
2273	744148.85	4108215.72	7.25E-05	1.32E-04	7.25E-06	1.12E-05	2.17E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
2274	744169.03	4108229.38	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
2275	744189.2	4108243.03	7.39E-05	1.35E-04	7.39E-06	1.15E-05	2.21E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.33E-06	1.05E-05	3.47E-07
2276	744209.37	4108256.69	7.46E-05	1.36E-04	7.47E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.39E-06	1.06E-05	3.51E-07
2277	744229.55	4108270.34	7.53E-05	1.37E-04	7.54E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.46E-06	1.07E-05	3.54E-07
2278	744249.72	4108283.99	7.61E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.57E-07
2279	744269.9	4108297.65	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
2280	744290.07	4108311.3	7.72E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.16E-05	1.99E-05	1.47E-06	6.62E-06	1.09E-05	3.63E-07
2281	744310.25	4108324.96	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
2282	740623.39	4107562.64	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.55E-06	3.29E-07	3.30E-06	5.63E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
2283	740602.75	4107575.89	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.61E-06	3.32E-07	3.34E-06	5.69E-06	4.21E-07	1.90E-06	3.14E-06	1.04E-07
2284	740582.11	4107589.15	2.24E-05	4.08E-05	2.24E-06	3.47E-06	6.68E-06	3.36E-07	3.37E-06	5.75E-06	4.26E-07	1.92E-06	3.17E-06	1.05E-07
2285	740561.47	4107602.41	2.27E-05	4.13E-05	2.27E-06	3.52E-06	6.77E-06	3.40E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.21E-06	1.07E-07
2286	740540.84	4107615.66	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
2287	740520.2	4107628.92	2.34E-05	4.27E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
2288	740499.56	4107642.18	2.38E-05	4.34E-05	2.38E-06	3.69E-06	7.12E-06	3.58E-07	3.59E-06	6.12E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
2289	740431.28	4107221.65	1.77E-05	3.23E-05	1.77E-06	2.75E-06	5.29E-06	2.66E-07	2.67E-06	4.55E-06	3.38E-07	1.52E-06	2.51E-06	8.33E-08
2290	740455.35	4107217.21	1.77E-05	3.23E-05	1.77E-06	2.75E-06	5.29E-06	2.66E-07	2.67E-06	4.55E-06	3.37E-07	1.52E-06	2.51E-06	8.32E-08
2291	740479.41	4107212.77	1.77E-05	3.23E-05	1.77E-06	2.75E-06	5.30E-06	2.66E-07	2.67E-06	4.56E-06	3.38E-07	1.52E-06	2.51E-06	8.33E-08
2292	740503.48	4107208.34	1.78E-05	3.24E-05	1.78E-06	2.76E-06	5.31E-06	2.67E-07	2.68E-06	4.57E-06	3.39E-07	1.52E-06	2.52E-06	8.36E-08
2293	740527.55	4107203.9	1.79E-05	3.26E-05	1.79E-06	2.77E-06	5.34E-06	2.68E-07	2.70E-06	4.59E-06	3.41E-07	1.53E-06	2.53E-06	8.40E-08
2294	740551.62	4107199.46	1.80E-05	3.28E-05	1.80E-06	2.79E-06	5.37E-06	2.70E-07	2.71E-06	4.62E-06	3.43E-07	1.54E-06	2.55E-06	8.45E-08
2295	740575.69	4107195.02	1.81E-05	3.30E-05	1.81E-06	2.81E-06	5.41E-06	2.72E-07	2.73E-06	4.66E-06	3.45E-07	1.55E-06	2.57E-06	8.51E-08
2296	740599.75	4107190.59	1.83E-05	3.33E-05	1.83E-06	2.83E-06	5.46E-06	2.74E-07	2.75E-06	4.70E-06	3.48E-07	1.57E-06	2.59E-06	8.58E-08
2297	740623.82	4107186.15	1.84E-05	3.36E-05	1.84E-06	2.86E-06	5.50E-06	2.76E-07	2.78E-06	4.74E-06	3.51E-07	1.58E-06	2.61E-06	8.66E-08
2298	740647.89	4107181.71	1.86E-05	3.38E-05	1.86E-06	2.88E-06	5.55E-06	2.79E-07	2.80E-06	4.77E-06	3.54E-07	1.59E-06	2.63E-06	8.72E-08
2299	740671.96	4107177.28	1.87E-05	3.41E-05	1.87E-06	2.90E-06	5.59E-06	2.81E-07	2.82E-06	4.81E-06	3.57E-07	1.60E-06	2.65E-06	8.80E-08
2300	740696.03	4107172.84	1.89E-05	3.44E-05	1.89E-06	2.92E-06	5.63E-06	2.83E-07	2.84E-06	4.85E-06	3.59E-07	1.62E-06	2.67E-06	8.86E-08
2301	740720.09	4107168.4	1.90E-05	3.46E-05	1.90E-06	2.94E-06	5.67E-06	2.85E-07	2.86E-06	4.88E-06	3.61E-07	1.63E-06	2.69E-06	8.91E-08
2302	740744.16	4107163.96	1.91E-05	3.47E-05	1.91E-06	2.96E-06	5.70E-06	2.86E-07	2.88E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.96E-08
2303	740768.23	4107159.53	1.91E-05	3.49E-05	1.92E-06	2.97E-06	5.72E-06	2.87E-07	2.89E-06	4.92E-06	3.65E-07	1.64E-06	2.71E-06	9.00E-08
2304	740792.3	4107155.09	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.72E-06	9.02E-08
2305	740816.37	4107150.65	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.73E-06	9.03E-08
2306	740840.43	4107146.22	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.73E-06	9.03E-08
2307	740864.5	4107141.78	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.72E-06	9.02E-08
2308	740888.57	4107137.34	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.73E-06	2.88E-07	2.89E-06	4.93E-06	3.65E-07	1.64E-06	2.72E-06	9.01E-08
2309	740912.64	4107132.91	1.91E-05	3.48E-05	1.91E-06	2.97E-06	5.71E-06	2.87E-07	2.88E-06	4.92E-06	3.64E-07	1.64E-06	2.71E-06	8.99E-08
2310	740936.71	4107128.47	1.91E-05	3.47E-05	1.91E-06	2.96E-06	5.70E-06	2.86E-07	2.88E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.96E-08
2311	740960.77	4107124.03	1.90E-05	3.46E-05	1.90E-06	2.95E-06	5.68E-06	2.85E-07	2.87E-06	4.89E-06	3.62E-07	1.63E-06	2.70E-06	8.93E-08
2312	740984.84	4107119.59	1.90E-05	3.46E-05	1.90E-06	2.94E-06	5.67E-06	2.85E-07	2.86E-06	4.88E-06	3.61E-07	1.63E-06	2.69E-06	8.91E-08
2313	741008.91	4107115.16	1.89E-05	3.45E-05	1.89E-06	2.94E-06	5.66E-06	2.84E-07	2.85E-06	4.87E-06	3.61E-07	1.62E-06	2.68E-06	8.90E-08
2314	741032.98	4107110.72	1.89E-05	3.45E-05	1.89E-06	2.93E-06	5.65E-06	2.84E-07	2.85E-06	4.86E-06	3.61E-07	1.62E-06	2.68E-06	8.89E-08
2315	741057.04	4107106.28	1.89E-05	3.45E-05	1.89E-06	2.94E-06	5.66E-06	2.84E-07	2.85E-06	4.87E-06	3.61E-07	1.62E-06	2.68E-06	8.90E-08
2316	741081.11	4107101.85	1.90E-05	3.46E-05	1.90E-06	2.94E-06	5.67E-06	2.85E-07	2.86E-06	4.88E-06	3.61E-07	1.63E-06	2.69E-06	8.91E-08
2317	741105.18	4107097.41	1.90E-05	3.47E-05	1.90E-06	2.95E-06	5.69E-06	2.86E-07	2.87E-06	4.89E-06	3.63E-07	1.63E-06	2.70E-06	8.94E-08
2318	741129.25	4107092.97	1.91E-05	3.48E-05	1.91E-06	2.97E-06	5.71E-06	2.87E-07	2.88E-06	4.92E-06	3.64E-07	1.64E-06	2.71E-06	8.99E-08
2319	741153.32	4107088.53	1.92E-05	3.51E-05	1.93E-06	2.98E-06	5.75E-06	2.89E-07	2.90E-06	4.95E-06	3.67E-07	1.65E-06	2.73E-06	9.04E-08
2320	741177.38	4107084.1	1.94E-05	3.53E-05	1.94E-06	3.01E-06	5.79E-06	2.91E-07	2.92E-06	4.98E-06	3.69E-07	1.66E-06	2.75E-06	9.11E-08
2321	741201.45	4107079.66	1.96E-05	3.56E-05	1.96E-06	3.03E-06	5.84E-06	2.94E-07	2.95E-06	5.03E-06	3.73E-07	1.68E-06	2.77E-06	9.19E-08
2322	741225.52	4107075.22	1.98E-05	3.60E-05	1.98E-06	3.06E-06	5.90E-06	2.97E-07	2.98E-06	5.08E-06	3.76E-07	1.69E-06	2.80E-06	9.28E-08
2323	741249.59	4107070.79	2.00E-05	3.64E-05	2.00E-06	3.09E-06	5.96E-06	3.00E-07	3.01E-06	5.13E-06	3.80E-07	1.71E-06	2.83E-06	9.38E-08
2324	741273.66	4107066.35	2.02E-05	3.68E-05	2.02E-06	3.13E-06	6.03E-06	3.03E-07	3.04E-06	5.19E-06	3.85E-07	1.73E-06	2.86E-06	9.48E-08
2325	741297.72	4107061.91	2.04E-05	3.72E-05	2.04E-06	3.16E-06	6.10E-06	3.06E-07	3.08E-06	5.24E-06	3.89E-07	1.75E-06	2.89E-06	9.59E-08
2326	741321.79	4107057.47	2.06E-05	3.76E-05	2.06E-06	3.20E-06	6.16E-06	3.10E-07	3.11E-06	5.30E-06	3.93E-07	1.77E-06	2.92E-06	9.69E-08
2327	741345.86	4107053.04	2.08E-05	3.80E-05	2.08E-06	3.23E-06	6.22E-06	3.13E-07	3.14E-06	5.36E-06	3.97E-07	1.79E-06	2.95E-06	9.79E-08
2328	741369.93	4107048.6	2.10E-05	3.83E-05	2.10E-06	3.26E-06	6.28E-06	3.16E-07	3.17E-06	5.41E-06	4.01E-07	1.80E-06	2.98E-06	9.89E-08
2329	741394	4107044.16	2.12E-05	3.87E-05	2.12E-06	3.29E-06	6.34E-06	3.18E-07	3.20E-06	5.45E-06	4.04E-07	1.82E-06	3.01E-06	9.97E-08
2330	741418.06	4107039.73	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.22E-06	5.50E-06	4.07E-07	1.83E-06	3.03E-06	1.00E-07
2331	741442.13	4107035.29	2.15E-05	3.92E-05	2.15E-06	3.33E-06	6.42E-06	3.23E-07	3.24E-06	5.53E-06	4.10E-07	1.84E-06	3.05E-06	1.01E-07
2332	741466.2	4107030.85	2.16E-05	3.94E-05	2.16E-06	3.35E-06	6.46E-06	3.24E-07	3.26E-06	5.56E-06	4.12E-07	1.85E-06	3.06E-06	1.02E-07
2333	741490.27	4107026.41	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.48E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
2334	741514.34	4107021.98	2.17E-05	3.96E-05	2.18E-06	3.37E-06	6.49E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2335	741538.4	4107017.54	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2336	741562.47	4107013.1	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2337	741586.54	4107008.67	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2338	741610.61	4107004.23	2.17E-05	3.96E-05	2.18E-06	3.37E-06	6.50E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2339	741634.68	4106999.79	2.17E-05	3.96E-05	2.18E-06	3.37E-06	6.49E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07

2340	741658.74	4106995.36	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.49E-06	3.26E-07	3.27E-06	5.58E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2341	741682.81	4106990.92	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.48E-06	3.26E-07	3.27E-06	5.58E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2342	741706.88	4106986.48	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.48E-06	3.26E-07	3.27E-06	5.58E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2343	741730.95	4106982.04	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.49E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2344	741755.02	4106977.61	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2345	741779.08	4106973.17	2.18E-05	3.98E-05	2.19E-06	3.39E-06	6.52E-06	3.28E-07	3.29E-06	5.61E-06	4.16E-07	1.87E-06	3.10E-06	1.03E-07
2346	741803.15	4106968.73	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.55E-06	3.29E-07	3.30E-06	5.63E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
2347	741827.22	4106964.3	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.58E-06	3.30E-07	3.32E-06	5.66E-06	4.20E-07	1.89E-06	3.12E-06	1.03E-07
2348	741851.29	4106959.86	2.22E-05	4.04E-05	2.22E-06	3.43E-06	6.62E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
2349	741875.36	4106955.42	2.23E-05	4.06E-05	2.23E-06	3.46E-06	6.66E-06	3.34E-07	3.36E-06	5.73E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
2350	741899.42	4106950.98	2.24E-05	4.09E-05	2.25E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.05E-07
2351	741923.49	4106946.55	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.75E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
2352	741947.56	4106942.11	2.28E-05	4.15E-05	2.28E-06	3.53E-06	6.80E-06	3.42E-07	3.43E-06	5.85E-06	4.34E-07	1.95E-06	3.23E-06	1.07E-07
2353	741971.63	4106937.67	2.29E-05	4.18E-05	2.29E-06	3.55E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
2354	741995.7	4106933.24	2.31E-05	4.20E-05	2.31E-06	3.58E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
2355	742019.76	4106928.8	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
2356	742043.83	4106924.36	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.10E-07
2357	742067.9	4106919.92	2.34E-05	4.26E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.01E-06	4.46E-07	2.00E-06	3.32E-06	1.10E-07
2358	742091.97	4106915.49	2.34E-05	4.27E-05	2.34E-06	3.63E-06	7.00E-06	3.52E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
2359	742116.03	4106911.05	2.34E-05	4.27E-05	2.35E-06	3.64E-06	7.00E-06	3.52E-07	3.54E-06	6.03E-06	4.47E-07	2.01E-06	3.32E-06	1.10E-07
2360	742140.1	4106906.61	2.34E-05	4.27E-05	2.34E-06	3.63E-06	7.00E-06	3.52E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
2361	742164.17	4106902.18	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
2362	742188.24	4106897.74	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2363	742212.31	4106893.3	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
2364	742236.37	4106888.87	2.31E-05	4.20E-05	2.31E-06	3.58E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.39E-07	1.98E-06	3.27E-06	1.08E-07
2365	742260.44	4106884.43	2.29E-05	4.18E-05	2.29E-06	3.55E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
2366	742284.51	4106879.99	2.28E-05	4.15E-05	2.28E-06	3.53E-06	6.80E-06	3.42E-07	3.43E-06	5.85E-06	4.34E-07	1.95E-06	3.23E-06	1.07E-07
2367	742308.58	4106875.55	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.76E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
2368	742332.65	4106871.12	2.25E-05	4.09E-05	2.25E-06	3.48E-06	6.71E-06	3.37E-07	3.39E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.06E-07
2369	742356.71	4106866.68	2.23E-05	4.07E-05	2.23E-06	3.46E-06	6.67E-06	3.35E-07	3.37E-06	5.74E-06	4.25E-07	1.91E-06	3.17E-06	1.05E-07
2370	742380.78	4106862.24	2.22E-05	4.05E-05	2.22E-06	3.44E-06	6.63E-06	3.33E-07	3.35E-06	5.71E-06	4.23E-07	1.90E-06	3.15E-06	1.04E-07
2371	742404.85	4106857.81	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.60E-06	3.32E-07	3.33E-06	5.68E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
2372	742428.92	4106853.37	2.20E-05	4.02E-05	2.21E-06	3.42E-06	6.58E-06	3.31E-07	3.32E-06	5.67E-06	4.20E-07	1.89E-06	3.12E-06	1.04E-07
2373	742452.99	4106848.93	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.57E-06	3.30E-07	3.32E-06	5.65E-06	4.19E-07	1.88E-06	3.12E-06	1.03E-07
2374	742477.05	4106844.49	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.57E-06	3.30E-07	3.32E-06	5.65E-06	4.19E-07	1.88E-06	3.12E-06	1.03E-07
2375	742501.12	4106840.06	2.20E-05	4.02E-05	2.21E-06	3.42E-06	6.58E-06	3.31E-07	3.32E-06	5.67E-06	4.20E-07	1.89E-06	3.12E-06	1.04E-07
2376	742525.19	4106835.62	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.61E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
2377	742549.26	4106831.18	2.23E-05	4.06E-05	2.23E-06	3.45E-06	6.65E-06	3.34E-07	3.36E-06	5.72E-06	4.24E-07	1.91E-06	3.16E-06	1.05E-07
2378	742573.33	4106826.75	2.24E-05	4.09E-05	2.25E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.05E-07
2379	742597.39	4106822.31	2.27E-05	4.13E-05	2.27E-06	3.51E-06	6.77E-06	3.40E-07	3.42E-06	5.82E-06	4.32E-07	1.94E-06	3.21E-06	1.06E-07
2380	742621.46	4106817.87	2.29E-05	4.17E-05	2.29E-06	3.55E-06	6.84E-06	3.44E-07	3.45E-06	5.89E-06	4.36E-07	1.96E-06	3.25E-06	1.08E-07
2381	742645.53	4106813.43	2.32E-05	4.22E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
2382	742669.6	4106809	2.35E-05	4.28E-05	2.35E-06	3.65E-06	7.02E-06	3.53E-07	3.55E-06	6.04E-06	4.48E-07	2.01E-06	3.33E-06	1.10E-07
2383	742693.67	4106804.56	2.38E-05	4.34E-05	2.39E-06	3.70E-06	7.12E-06	3.58E-07	3.60E-06	6.13E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
2384	742738	4106813.84	2.48E-05	4.51E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.73E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
2385	742758.27	4106827.56	2.54E-05	4.62E-05	2.54E-06	3.93E-06	7.58E-06	3.81E-07	3.82E-06	6.52E-06	4.83E-07	2.17E-06	3.60E-06	1.19E-07
2386	742778.54	4106841.28	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.91E-06	6.67E-06	4.95E-07	2.22E-06	3.68E-06	1.22E-07
2387	742798.8	4106854.99	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
2388	742819.07	4106868.71	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.85E-06	1.27E-07
2389	742839.34	4106882.43	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.26E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
2390	742859.61	4106896.15	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
2391	742879.88	4106909.86	2.86E-05	5.22E-05	2.87E-06	4.44E-06	8.56E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
2392	742900.14	4106923.58	2.90E-05	5.29E-05	2.91E-06	4.50E-06	8.68E-06	4.36E-07	4.38E-06	7.47E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
2393	742920.41	4106937.3	2.94E-05	5.36E-05	2.94E-06	4.56E-06	8.78E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.17E-06	1.38E-07
2394	742940.68	4106951.02	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.86E-06	4.45E-07	4.47E-06	7.63E-06	5.65E-07	2.54E-06	4.21E-06	1.39E-07
2395	742960.95	4106964.74	2.99E-05	5.44E-05	2.99E-06	4.63E-06	8.93E-06	4.48E-07	4.51E-06	7.68E-06	5.69E-07	2.56E-06	4.24E-06	1.40E-07
2396	742981.21	4106978.45	3.00E-05	5.47E-05	3.00E-06	4.65E-06	8.97E-06	4.50E-07	4.53E-06	7.72E-06	5.72E-07	2.57E-06	4.26E-06	1.41E-07
2397	743001.48	4106992.17	3.01E-05	5.48E-05	3.01E-06	4.66E-06	8.98E-06	4.51E-07	4.53E-06	7.73E-06	5.73E-07	2.58E-06	4.26E-06	1.41E-07
2398	743021.75	4107005.89	3.00E-05	5.47E-05	3.01E-06	4.66E-06	8.98E-06	4.51E-07	4.53E-06	7.72E-06	5.73E-07	2.57E-06	4.26E-06	1.41E-07
2399	743042.02	4107019.61	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.95E-06	4.50E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
2400	743062.28	4107033.32	2.98E-05	5.44E-05	2.99E-06	4.63E-06	8.92E-06	4.48E-07	4.50E-06	7.67E-06	5.69E-07	2.56E-06	4.23E-06	1.40E-07
2401	743082.55	4107047.04	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.45E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.39E-07
2402	743102.82	4107060.76	2.95E-05	5.37E-05	2.95E-06	4.57E-06	8.81E-06	4.43E-07	4.45E-06	7.58E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
2403	743123.09	4107074.48	2.93E-05	5.34E-05	2.93E-06	4.54E-06	8.75E-06	4.40E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
2404	743143.36	4107088.19	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.70E-06	4.37E-07	4.39E-06	7.48E-06	5.55E-07	2.49E-06	4.13E-06	1.37E-07
2405	743163.62	4107101.91	2.90E-05	5.28E-05	2.90E-06	4.49E-06	8.65E-06	4.35E-07	4.37E-06	7.44E-06	5.52E-07	2.48E-06	4.11E-06	1.36E-07
2406	743183.89	4107115.63	2.88E-05	5.26E-05	2.89E-06	4.47E-06	8.62E-06	4.33E-07	4.35E-06	7.41E-06	5.50E-07	2.47E-06	4.09E-06	1.36E-07
2407	743204.16	4107129.35	2.88E-05	5.25E-05	2.88E-06	4.46E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.49E-07	2.47E-06	4.08E-06	1.35E-07
2408	743224.43	4107143.07	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.49E-07	2.47E-06	4.08E-06	1.35E-07
2409	743244.69	4107156.78	2.89E-05	5.26E-05	2.89E-06	4.48E-06	8.63E-06	4.34E-07	4.36E-06	7.43E-06	5.50E-07	2.48E-06	4.10E-06	1.36E-07
2410	743264.96	4107170.5	2.90E-05	5.29E-05	2.91E-06	4.50E-06	8.68E-06	4.36E-07	4.38E-06	7.47E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07

2411	743285.23	4107184.22	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
2412	743305.5	4107197.94	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.60E-06	5.64E-07	2.53E-06	4.19E-06	1.39E-07
2413	743325.76	4107211.65	2.99E-05	5.46E-05	3.00E-06	4.64E-06	8.95E-06	4.49E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
2414	743346.03	4107225.37	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
2415	743366.3	4107239.09	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.21E-06	4.62E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
2416	743386.57	4107252.81	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.35E-06	4.70E-07	4.72E-06	8.04E-06	5.96E-07	2.68E-06	4.44E-06	1.47E-07
2417	743406.84	4107266.52	3.18E-05	5.79E-05	3.18E-06	4.93E-06	9.49E-06	4.77E-07	4.79E-06	8.17E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
2418	743427.1	4107280.24	3.23E-05	5.88E-05	3.23E-06	5.00E-06	9.64E-06	4.84E-07	4.87E-06	8.29E-06	6.15E-07	2.76E-06	4.57E-06	1.52E-07
2419	743447.37	4107293.96	3.27E-05	5.97E-05	3.28E-06	5.08E-06	9.78E-06	4.91E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.64E-06	1.54E-07
2420	743467.64	4107307.68	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.92E-06	4.98E-07	5.01E-06	8.54E-06	6.33E-07	2.85E-06	4.71E-06	1.56E-07
2421	743487.91	4107321.4	3.37E-05	6.14E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.66E-06	6.42E-07	2.89E-06	4.77E-06	1.58E-07
2422	743508.17	4107335.11	3.41E-05	6.22E-05	3.42E-06	5.29E-06	1.02E-05	5.12E-07	5.15E-06	8.77E-06	6.50E-07	2.92E-06	4.84E-06	1.60E-07
2423	743528.44	4107348.83	3.46E-05	6.30E-05	3.46E-06	5.37E-06	1.03E-05	5.19E-07	5.22E-06	8.89E-06	6.59E-07	2.96E-06	4.91E-06	1.63E-07
2424	743548.71	4107362.55	3.51E-05	6.40E-05	3.51E-06	5.44E-06	1.05E-05	5.27E-07	5.29E-06	9.02E-06	6.69E-07	3.01E-06	4.98E-06	1.65E-07
2425	743568.98	4107376.27	3.56E-05	6.49E-05	3.56E-06	5.52E-06	1.06E-05	5.35E-07	5.37E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.67E-07
2426	743589.24	4107389.98	3.61E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
2427	743609.51	4107403.7	3.67E-05	6.69E-05	3.67E-06	5.69E-06	1.10E-05	5.51E-07	5.54E-06	9.44E-06	7.00E-07	3.15E-06	5.21E-06	1.73E-07
2428	743629.78	4107417.42	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
2429	743650.05	4107431.14	3.80E-05	6.92E-05	3.80E-06	5.89E-06	1.13E-05	5.70E-07	5.73E-06	9.76E-06	7.24E-07	3.25E-06	5.39E-06	1.79E-07
2430	743670.32	4107444.85	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.80E-07	5.83E-06	9.94E-06	7.37E-07	3.31E-06	5.48E-06	1.82E-07
2431	743690.58	4107458.57	3.94E-05	7.17E-05	3.94E-06	6.10E-06	1.18E-05	5.91E-07	5.94E-06	1.01E-05	7.50E-07	3.37E-06	5.58E-06	1.85E-07
2432	743710.85	4107472.29	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.68E-06	1.88E-07
2433	743731.12	4107486.01	4.08E-05	7.44E-05	4.08E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
2434	743751.39	4107499.72	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
2435	743771.65	4107513.44	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.63E-06	6.00E-06	1.99E-07
2436	743791.92	4107527.16	4.31E-05	7.85E-05	4.31E-06	6.68E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.21E-07	3.69E-06	6.11E-06	2.02E-07
2437	743812.19	4107540.88	4.38E-05	7.98E-05	4.38E-06	6.79E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.75E-06	6.21E-06	2.06E-07
2438	743832.46	4107554.6	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
2439	743852.72	4107568.31	4.53E-05	8.26E-05	4.53E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
2440	743872.99	4107582.03	4.61E-05	8.40E-05	4.61E-06	7.14E-06	1.38E-05	6.91E-07	6.95E-06	1.18E-05	8.78E-07	3.95E-06	6.53E-06	2.17E-07
2441	743893.26	4107595.75	4.68E-05	8.53E-05	4.68E-06	7.26E-06	1.40E-05	7.03E-07	7.06E-06	1.20E-05	8.92E-07	4.01E-06	6.64E-06	2.20E-07
2442	743913.53	4107609.47	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.18E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
2443	743933.79	4107623.18	4.84E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.26E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.86E-06	2.27E-07
2444	743954.06	4107636.9	4.91E-05	8.96E-05	4.92E-06	7.62E-06	1.47E-05	7.38E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.97E-06	2.31E-07
2445	743974.33	4107650.62	4.99E-05	9.10E-05	5.00E-06	7.74E-06	1.49E-05	7.49E-07	7.53E-06	1.28E-05	9.52E-07	4.28E-06	7.08E-06	2.35E-07
2446	743994.6	4107664.34	5.07E-05	9.25E-05	5.08E-06	7.87E-06	1.52E-05	7.62E-07	7.65E-06	1.30E-05	9.67E-07	4.35E-06	7.20E-06	2.38E-07
2447	744014.87	4107678.05	5.16E-05	9.40E-05	5.16E-06	8.00E-06	1.54E-05	7.74E-07	7.78E-06	1.33E-05	9.83E-07	4.42E-06	7.31E-06	2.42E-07
2448	744035.13	4107691.77	5.24E-05	9.54E-05	5.24E-06	8.12E-06	1.56E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.42E-06	2.46E-07
2449	744055.4	4107705.49	5.31E-05	9.68E-05	5.32E-06	8.24E-06	1.59E-05	7.98E-07	8.01E-06	1.37E-05	1.01E-06	4.55E-06	7.54E-06	2.50E-07
2450	744075.67	4107719.21	5.39E-05	9.82E-05	5.39E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
2451	744095.94	4107732.93	5.46E-05	9.95E-05	5.46E-06	8.47E-06	1.63E-05	8.19E-07	8.23E-06	1.40E-05	1.04E-06	4.68E-06	7.74E-06	2.57E-07
2452	744116.2	4107746.64	5.52E-05	1.01E-04	5.53E-06	8.57E-06	1.65E-05	8.29E-07	8.33E-06	1.42E-05	1.05E-06	4.73E-06	7.83E-06	2.60E-07
2453	744136.47	4107760.36	5.58E-05	1.02E-04	5.58E-06	8.66E-06	1.67E-05	8.38E-07	8.42E-06	1.43E-05	1.06E-06	4.78E-06	7.91E-06	2.62E-07
2454	744156.74	4107774.08	5.63E-05	1.03E-04	5.63E-06	8.73E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.82E-06	7.98E-06	2.65E-07
2455	744177.01	4107787.8	5.67E-05	1.03E-04	5.67E-06	8.79E-06	1.69E-05	8.50E-07	8.54E-06	1.46E-05	1.08E-06	4.86E-06	8.03E-06	2.66E-07
2456	744197.27	4107801.51	5.70E-05	1.04E-04	5.70E-06	8.84E-06	1.70E-05	8.55E-07	8.59E-06	1.46E-05	1.09E-06	4.88E-06	8.08E-06	2.68E-07
2457	744217.54	4107815.23	5.72E-05	1.04E-04	5.72E-06	8.87E-06	1.71E-05	8.58E-07	8.62E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
2458	744237.81	4107828.95	5.73E-05	1.04E-04	5.74E-06	8.89E-06	1.71E-05	8.60E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.69E-07
2459	744258.08	4107842.67	5.74E-05	1.05E-04	5.74E-06	8.90E-06	1.71E-05	8.61E-07	8.66E-06	1.48E-05	1.09E-06	4.92E-06	8.14E-06	2.70E-07
2460	744278.35	4107856.38	5.74E-05	1.05E-04	5.75E-06	8.91E-06	1.72E-05	8.62E-07	8.66E-06	1.48E-05	1.09E-06	4.92E-06	8.14E-06	2.70E-07
2461	744298.61	4107870.1	5.75E-05	1.05E-04	5.75E-06	8.91E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.15E-06	2.70E-07
2462	744318.88	4107883.82	5.75E-05	1.05E-04	5.76E-06	8.92E-06	1.72E-05	8.64E-07	8.68E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.70E-07
2463	744339.15	4107897.54	5.76E-05	1.05E-04	5.77E-06	8.94E-06	1.72E-05	8.65E-07	8.69E-06	1.48E-05	1.10E-06	4.94E-06	8.17E-06	2.71E-07
2464	744359.42	4107911.26	5.78E-05	1.05E-04	5.78E-06	8.96E-06	1.73E-05	8.67E-07	8.71E-06	1.48E-05	1.10E-06	4.95E-06	8.19E-06	2.71E-07
2465	744379.68	4107924.97	5.80E-05	1.06E-04	5.80E-06	8.99E-06	1.73E-05	8.70E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.22E-06	2.73E-07
2466	744399.95	4107938.69	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
2467	744420.22	4107952.41	5.87E-05	1.07E-04	5.87E-06	9.10E-06	1.75E-05	8.81E-07	8.85E-06	1.51E-05	1.12E-06	5.03E-06	8.32E-06	2.76E-07
2468	744440.49	4107966.13	5.92E-05	1.08E-04	5.92E-06	9.18E-06	1.77E-05	8.88E-07	8.93E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
2469	744460.75	4107979.84	5.97E-05	1.09E-04	5.98E-06	9.26E-06	1.78E-05	8.96E-07	9.01E-06	1.54E-05	1.14E-06	5.12E-06	8.47E-06	2.81E-07
2470	744481.02	4107993.56	6.03E-05	1.10E-04	6.03E-06	9.35E-06	1.80E-05	9.05E-07	9.10E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.83E-07
2471	744501.29	4108007.28	6.09E-05	1.11E-04	6.10E-06	9.45E-06	1.82E-05	9.14E-07	9.19E-06	1.57E-05	1.16E-06	5.22E-06	8.64E-06	2.86E-07
2472	744521.56	4108021	6.16E-05	1.12E-04	6.16E-06	9.55E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.28E-06	8.73E-06	2.89E-07
2473	744541.83	4108034.71	6.22E-05	1.13E-04	6.22E-06	9.64E-06	1.86E-05	9.33E-07	9.37E-06	1.60E-05	1.18E-06	5.33E-06	8.81E-06	2.92E-07
2474	744562.09	4108048.43	6.27E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.42E-07	9.46E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
2475	744582.36	4108062.15	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
2476	744602.63	4108075.87	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
2477	744622.9	4108089.59	6.41E-05	1.17E-04	6.41E-06	9.94E-06	1.91E-05	9.62E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
2478	744643.16	4108103.3	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.70E-06	1.65E-05	1.23E-06	5.51E-06	9.13E-06	3.02E-07
2479	740407.21	4107226.08	1.78E-05	3.24E-05	1.78E-06	2.76E-06	5.31E-06	2.67E-07	2.68E-06	4.57E-06	3.39E-07	1.52E-06	2.52E-06	8.35E-08
2480	740386.57	4107239.34	1.80E-05	3.27E-05	1.80E-06	2.78E-06	5.36E-06	2.69E-07	2.71E-06	4.61E-06	3.42E-07	1.54E-06	2.55E-06	8.44E-08
2481	740365.93	4107252.6	1.82E-05	3.31E-05	1.82E-06	2.82E-06	5.43E-06	2.73E-07	2.74E-06	4.67E-06	3.46E-07	1.56E-06	2.58E-06	8.54E-08

2482	740345.3	4107265.85	1.84E-05	3.36E-05	1.84E-06	2.86E-06	5.51E-06	2.77E-07	2.78E-06	4.74E-06	3.51E-07	1.58E-06	2.61E-06	8.66E-08
2483	740324.66	4107279.11	1.87E-05	3.41E-05	1.87E-06	2.90E-06	5.59E-06	2.81E-07	2.82E-06	4.81E-06	3.57E-07	1.60E-06	2.65E-06	8.80E-08
2484	740304.02	4107292.37	1.90E-05	3.47E-05	1.90E-06	2.95E-06	5.69E-06	2.86E-07	2.87E-06	4.89E-06	3.63E-07	1.63E-06	2.70E-06	8.94E-08
2485	740283.38	4107305.62	1.94E-05	3.53E-05	1.94E-06	3.00E-06	5.78E-06	2.90E-07	2.92E-06	4.98E-06	3.69E-07	1.66E-06	2.74E-06	9.10E-08
2486	741943.03	4109938.39	1.48E-02	2.70E-02	1.48E-03	2.30E-03	4.43E-03	2.23E-04	2.24E-03	3.81E-03	2.83E-04	1.27E-03	2.10E-03	6.97E-05
2487	741960.55	4109963.31	1.93E-02	3.52E-02	1.93E-03	2.99E-03	5.77E-03	2.90E-04	2.91E-03	4.96E-03	3.68E-04	1.65E-03	2.74E-03	9.08E-05
2488	741977.05	4109990.24	2.15E-02	3.93E-02	2.16E-03	3.34E-03	6.44E-03	3.23E-04	3.25E-03	5.54E-03	4.11E-04	1.85E-03	3.06E-03	1.01E-04
2489	741913.25	4109921.94	7.82E-03	1.43E-02	7.83E-04	1.21E-03	2.34E-03	1.17E-04	1.18E-03	2.01E-03	1.49E-04	6.70E-04	1.11E-03	3.68E-05
2490	741934.39	4109952.35	1.86E-02	3.40E-02	1.86E-03	2.89E-03	5.57E-03	2.80E-04	2.81E-03	4.79E-03	3.55E-04	1.60E-03	2.64E-03	8.76E-05
2491	741957.94	4109988.34	2.21E-02	4.02E-02	2.21E-03	3.42E-03	6.59E-03	3.31E-04	3.33E-03	5.67E-03	4.21E-04	1.89E-03	3.13E-03	1.04E-04
2492	741892.15	4109935.35	7.45E-03	1.36E-02	7.46E-04	1.16E-03	2.23E-03	1.12E-04	1.12E-03	1.92E-03	1.42E-04	6.39E-04	1.06E-03	3.50E-05
2493	741896.42	4109882.11	3.87E-03	7.05E-03	3.87E-04	6.00E-04	1.16E-03	5.81E-05	5.83E-04	9.94E-04	7.37E-05	3.31E-04	5.48E-04	1.82E-05
2494	741871.05	4109948.76	7.17E-03	1.31E-02	7.17E-04	1.11E-03	2.14E-03	1.08E-04	1.08E-03	1.84E-03	1.37E-04	6.14E-04	1.02E-03	3.37E-05
2495	741864.42	4109911.18	4.15E-03	7.57E-03	4.16E-04	6.44E-04	1.24E-03	6.23E-05	6.26E-04	1.07E-03	7.92E-05	3.56E-04	5.89E-04	1.95E-05
2496	741872	4109876.74	3.11E-03	5.68E-03	3.12E-04	4.83E-04	9.31E-04	4.68E-05	4.70E-04	8.01E-04	5.94E-05	2.67E-04	4.42E-04	1.46E-05
2497	741828.86	4109975.59	6.41E-03	1.17E-02	6.41E-04	9.93E-04	1.91E-03	9.61E-05	9.66E-04	1.65E-03	1.22E-04	5.49E-04	9.08E-04	3.01E-05
2498	741822.22	4109938.01	3.93E-03	7.17E-03	3.93E-04	6.10E-04	1.17E-03	5.90E-05	5.93E-04	1.01E-03	7.49E-05	3.37E-04	5.58E-04	1.85E-05
2499	741815.59	4109900.43	2.76E-03	5.02E-03	2.76E-04	4.28E-04	8.24E-04	4.14E-05	4.16E-04	7.09E-04	5.25E-05	2.36E-04	3.91E-04	1.30E-05
2500	741823.17	4109865.98	2.21E-03	4.02E-03	2.21E-04	3.42E-04	6.59E-04	3.31E-05	3.33E-04	5.67E-04	4.20E-05	1.89E-04	3.13E-04	1.04E-05
2501	741844.98	4109834.67	1.88E-03	3.42E-03	1.88E-04	2.91E-04	5.61E-04	2.82E-05	2.83E-04	4.82E-04	3.58E-05	1.61E-04	2.66E-04	8.82E-06
2502	741773.39	4109927.26	2.70E-03	4.92E-03	2.70E-04	4.19E-04	8.07E-04	4.05E-05	4.07E-04	6.94E-04	5.15E-05	2.31E-04	3.83E-04	1.27E-05
2503	741766.76	4109889.68	2.03E-03	3.70E-03	2.03E-04	3.15E-04	6.06E-04	3.04E-05	3.06E-04	5.21E-04	3.87E-05	1.74E-04	2.88E-04	9.53E-06
2504	741774.34	4109855.23	1.68E-03	3.07E-03	1.68E-04	2.61E-04	5.03E-04	2.53E-05	2.54E-04	4.33E-04	3.21E-05	1.44E-04	2.39E-04	7.91E-06
2505	741796.15	4109823.91	1.47E-03	2.68E-03	1.47E-04	2.28E-04	4.39E-04	2.21E-05	2.22E-04	3.78E-04	2.80E-05	1.26E-04	2.09E-04	6.91E-06
2506	741817.96	4109792.6	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.75E-04	1.88E-05	1.89E-04	3.23E-04	2.39E-05	1.08E-04	1.78E-04	5.90E-06
2507	741801.43	4110039.2	7.18E-03	1.31E-02	7.18E-04	1.11E-03	2.14E-03	1.08E-04	1.08E-03	1.84E-03	1.37E-04	6.15E-04	1.02E-03	3.37E-05
2508	741824.31	4110075.2	8.38E-03	1.53E-02	8.38E-04	1.30E-03	2.50E-03	1.26E-04	1.26E-03	2.15E-03	1.60E-04	7.18E-04	1.19E-03	3.94E-05
2509	741744.1	4110027.15	3.87E-03	7.06E-03	3.88E-04	6.01E-04	1.16E-03	5.81E-05	5.84E-04	9.96E-04	7.38E-05	3.32E-04	5.49E-04	1.82E-05
2510	741736.73	4109985.4	3.18E-03	5.80E-03	3.18E-04	4.93E-04	9.51E-04	4.78E-05	4.80E-04	8.18E-04	6.06E-05	2.73E-04	4.51E-04	1.50E-05
2511	741729.36	4109943.64	2.42E-03	4.40E-03	2.42E-04	3.75E-04	7.22E-04	3.63E-05	3.65E-04	6.21E-04	4.61E-05	2.07E-04	3.43E-04	1.14E-05
2512	741726.73	4109842.74	1.34E-03	2.44E-03	1.34E-04	2.08E-04	4.00E-04	2.01E-05	2.02E-04	3.44E-04	2.55E-05	1.15E-04	1.90E-04	6.29E-06
2513	741750.96	4109807.94	1.18E-03	2.14E-03	1.18E-04	1.82E-04	3.51E-04	1.76E-05	1.77E-04	3.02E-04	2.24E-05	1.01E-04	1.67E-04	5.53E-06
2514	741775.19	4109773.15	9.99E-04	1.82E-03	1.00E-04	1.55E-04	2.99E-04	1.50E-05	1.51E-04	2.57E-04	1.90E-05	8.56E-05	1.42E-04	4.70E-06
2515	741799.42	4109738.35	8.57E-04	1.56E-03	8.58E-05	1.33E-04	2.56E-04	1.29E-05	1.29E-04	2.20E-04	1.63E-05	7.35E-05	1.22E-04	4.03E-06
2516	741759.23	4110066.03	4.44E-03	8.09E-03	4.44E-04	6.89E-04	1.33E-03	6.66E-05	6.70E-04	1.14E-03	8.46E-05	3.81E-04	6.30E-04	2.09E-05
2517	741782.12	4110102.02	4.81E-03	8.76E-03	4.81E-04	7.45E-04	1.44E-03	7.21E-05	7.25E-04	1.24E-03	9.16E-05	4.12E-04	6.82E-04	2.26E-05
2518	741701.98	4110054.36	2.89E-03	5.27E-03	2.90E-04	4.49E-04	8.65E-04	4.34E-05	4.36E-04	7.44E-04	5.51E-05	2.48E-04	4.10E-04	1.36E-05
2519	741694.74	4110013.36	2.69E-03	4.89E-03	2.69E-04	4.16E-04	8.02E-04	4.03E-05	4.05E-04	6.90E-04	5.12E-05	2.30E-04	3.81E-04	1.26E-05
2520	741687.5	4109972.37	2.28E-03	4.15E-03	2.28E-04	3.53E-04	6.81E-04	3.42E-05	3.44E-04	5.86E-04	4.34E-05	1.95E-04	3.23E-04	1.07E-05
2521	741680.26	4109931.37	1.83E-03	3.33E-03	1.83E-04	2.84E-04	5.46E-04	2.75E-05	2.76E-04	4.70E-04	3.49E-05	1.57E-04	2.59E-04	8.60E-06
2522	741673.02	4109890.38	1.44E-03	2.62E-03	1.44E-04	2.23E-04	4.29E-04	2.15E-05	2.16E-04	3.69E-04	2.74E-05	1.23E-04	2.04E-04	6.75E-06
2523	741701.47	4109798.14	9.92E-04	1.81E-03	9.93E-05	1.54E-04	2.96E-04	1.49E-05	1.50E-04	2.55E-04	1.89E-05	8.50E-05	1.41E-04	4.66E-06
2524	741725.26	4109763.97	8.63E-04	1.57E-03	8.63E-05	1.34E-04	2.58E-04	1.30E-05	1.30E-04	2.22E-04	1.64E-05	7.39E-05	1.22E-04	4.06E-06
2525	741749.05	4109729.81	7.42E-04	1.35E-03	7.42E-05	1.15E-04	2.22E-04	1.11E-05	1.12E-04	1.91E-04	1.41E-05	6.36E-05	1.05E-04	3.49E-06
2526	741772.84	4109695.65	6.55E-04	1.19E-03	6.55E-05	1.02E-04	1.96E-04	9.82E-06	9.87E-05	1.68E-04	1.25E-05	5.61E-05	9.28E-05	3.08E-06
2527	741717.04	4110092.86	3.06E-03	5.57E-03	3.06E-04	4.74E-04	9.13E-04	4.59E-05	4.61E-04	7.86E-04	5.82E-05	2.62E-04	4.33E-04	1.44E-05
2528	741739.92	4110128.85	3.17E-03	5.77E-03	3.17E-04	4.91E-04	9.46E-04	4.75E-05	4.77E-04	8.14E-04	6.03E-05	2.71E-04	4.49E-04	1.49E-05
2529	741617.67	4110108.47	1.72E-03	3.13E-03	1.72E-04	2.67E-04	5.13E-04	2.58E-05	2.59E-04	4.42E-04	3.28E-05	1.47E-04	2.44E-04	8.08E-06
2530	741610.59	4110068.38	1.76E-03	3.21E-03	1.76E-04	2.73E-04	5.26E-04	2.64E-05	2.66E-04	4.53E-04	3.36E-05	1.51E-04	2.50E-04	8.28E-06
2531	741603.51	4110028.3	1.72E-03	3.14E-03	1.72E-04	2.67E-04	5.15E-04	2.59E-05	2.60E-04	4.43E-04	3.28E-05	1.48E-04	2.44E-04	8.09E-06
2532	741596.43	4109988.21	1.59E-03	2.89E-03	1.59E-04	2.46E-04	4.74E-04	2.38E-05	2.39E-04	4.08E-04	3.02E-05	1.36E-04	2.25E-04	7.46E-06
2533	741589.35	4109948.13	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.17E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.57E-06
2534	741582.28	4109908.04	1.19E-03	2.16E-03	1.19E-04	1.84E-04	3.54E-04	1.78E-05	1.79E-04	3.05E-04	2.26E-05	1.02E-04	1.68E-04	5.57E-06
2535	741575.2	4109867.96	9.86E-04	1.80E-03	9.87E-05	1.53E-04	2.95E-04	1.48E-05	1.49E-04	2.53E-04	1.88E-05	8.45E-05	1.40E-04	4.63E-06
2536	741579.75	4109811.17	7.93E-04	1.44E-03	7.93E-05	1.23E-04	2.37E-04	1.19E-05	1.20E-04	2.04E-04	1.51E-05	6.79E-05	1.12E-04	3.73E-06
2537	741603.01	4109777.77	7.29E-04	1.33E-03	7.29E-05	1.13E-04	2.18E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.25E-05	1.03E-04	3.43E-06
2538	741649.54	4109710.96	5.89E-04	1.07E-03	5.89E-05	9.14E-05	1.76E-04	8.84E-06	8.88E-05	1.51E-04	1.12E-05	5.05E-05	8.35E-05	2.77E-06
2539	741672.8	4109677.56	5.19E-04	9.46E-04	5.19E-05	8.05E-05	1.55E-04	7.79E-06	7.83E-05	1.33E-04	9.89E-06	4.45E-05	7.36E-05	2.44E-06
2540	741696.06	4109644.16	4.65E-04	8.48E-04	4.65E-05	7.21E-05	1.39E-04	6.98E-06	7.02E-05	1.20E-04	8.86E-06	3.99E-05	6.60E-05	2.19E-06
2541	741719.32	4109610.75	4.28E-04	7.80E-04	4.29E-05	6.64E-05	1.28E-04	6.43E-06	6.46E-05	1.10E-04	8.16E-06	3.67E-05	6.07E-05	2.01E-06
2542	741632.65	4110146.51	1.70E-03	3.09E-03	1.70E-04	2.63E-04	5.07E-04	2.55E-05	2.56E-04	4.36E-04	3.24E-05	1.45E-04	2.41E-04	7.98E-06
2543	741655.53	4110182.5	1.71E-03	3.11E-03	1.71E-04	2.65E-04	5.10E-04	2.56E-05	2.57E-04	4.38E-04	3.25E-05	1.46E-04	2.42E-04	8.02E-06
2544	741533.13	4110161.29	1.11E-03	2.03E-03	1.12E-04	1.73E-04	3.33E-04	1.67E-05	1.68E-04	2.87E-04	2.12E-05	9.55E-05	1.58E-04	5.24E-06
2545	741525.76	4110119.53	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.53E-04	1.77E-05	1.78E-04	3.04E-04	2.25E-05	1.01E-04	1.67E-04	5.55E-06
2546	741518.39	4110077.78	1.22E-03	2.23E-03	1.22E-04	1.90E-04	3.65E-04	1.84E-05	1.84E-04	3.14E-04	2.33E-05	1.05E-04	1.73E-04	5.75E-06
2547	741511.01	4110036.02	1.21E-03	2.21E-03	1.21E-04	1.88E-04	3.62E-04	1.82E-05	1.83E-04	3.11E-04	2.31E-05	1.04E-04	1.72E-04	5.69E-06
2548	741503.64	4109994.27	1.14E-03	2.08E-03	1.14E-04	1.77E-04	3.41E-04	1.71E-05	1.72E-04	2.93E-04	2.17E-05	9.78E-05	1.62E-04	5.36E-06
2549	741496.27	4109952.51	1.04E-03	1.89E-03	1.04E-04	1.61E-04	3.10E-04	1.56E-05	1.57E-04	2.67E-04	1.98E-05	8.89E-05	1.47E-04	4.88E-06
2550	741488.89	4109910.76	9.19E-04	1.67E-03	9.19E-05	1.42E-04	2.74E-04	1.38E-05	1.39E-04	2.36E-04	1.75E-05	7.87E-05	1.30E-04	4.32E-06
2551	741481.52	4109869	7.97E-04	1.45E-03	7.97E-05	1.24E-04	2.38E-04	1.20E-05	1.20E-04	2.05E-04	1.52E-05	6.83E-05	1.13E-04	3.74E-06
2552	741474.15	4109827.25	6.86E-04	1.25E-03	6.86E-05	1.06E-04	2.05E-04	1.03E-05	1.03E-04	1.76E-04	1.31E-05	5.88E-05	9.72E-05	3.22E-06

2553	741482.58	4109788.97	6.13E-04	1.12E-03	6.13E-05	9.50E-05	1.83E-04	9.19E-06	9.24E-05	1.57E-04	1.17E-05	5.25E-05	8.69E-05	2.88E-06
2554	741506.81	4109754.18	5.62E-04	1.02E-03	5.62E-05	8.71E-05	1.68E-04	8.43E-06	8.47E-05	1.44E-04	1.07E-05	4.81E-05	7.96E-05	2.64E-06
2555	741531.04	4109719.38	5.11E-04	9.30E-04	5.11E-05	7.92E-05	1.53E-04	7.66E-06	7.70E-05	1.31E-04	9.73E-06	4.38E-05	7.24E-05	2.40E-06
2556	741555.27	4109684.58	4.64E-04	8.45E-04	4.64E-05	7.19E-05	1.39E-04	6.96E-06	6.99E-05	1.19E-04	8.84E-06	3.97E-05	6.57E-05	2.18E-06
2557	741603.73	4109614.99	3.77E-04	6.86E-04	3.77E-05	5.84E-05	1.13E-04	5.65E-06	5.68E-05	9.68E-05	7.18E-06	3.23E-05	5.34E-05	1.77E-06
2558	741627.96	4109580.2	3.43E-04	6.25E-04	3.43E-05	5.32E-05	1.03E-04	5.15E-06	5.18E-05	8.82E-05	6.54E-06	2.94E-05	4.87E-05	1.61E-06
2559	741652.19	4109545.4	3.20E-04	5.83E-04	3.20E-05	4.96E-05	9.55E-05	4.80E-06	4.82E-05	8.22E-05	6.09E-06	2.74E-05	4.53E-05	1.50E-06
2560	741548.26	4110200.16	1.09E-03	1.98E-03	1.09E-04	1.69E-04	3.25E-04	1.63E-05	1.64E-04	2.80E-04	2.07E-05	9.32E-05	1.54E-04	5.11E-06
2561	741571.15	4110236.16	1.10E-03	2.01E-03	1.10E-04	1.71E-04	3.29E-04	1.65E-05	1.66E-04	2.83E-04	2.10E-05	9.43E-05	1.56E-04	5.17E-06
2562	741448.81	4110215.32	7.80E-04	1.42E-03	7.81E-05	1.21E-04	2.33E-04	1.17E-05	1.18E-04	2.01E-04	1.49E-05	6.69E-05	1.11E-04	3.67E-06
2563	741441.57	4110174.32	8.25E-04	1.50E-03	8.25E-05	1.28E-04	2.46E-04	1.24E-05	1.24E-04	2.12E-04	1.57E-05	7.07E-05	1.17E-04	3.88E-06
2564	741434.33	4110133.33	8.77E-04	1.60E-03	8.77E-05	1.36E-04	2.62E-04	1.32E-05	1.32E-04	2.25E-04	1.67E-05	7.51E-05	1.24E-04	4.12E-06
2565	741427.09	4110092.33	9.15E-04	1.67E-03	9.15E-05	1.42E-04	2.73E-04	1.37E-05	1.38E-04	2.35E-04	1.74E-05	7.84E-05	1.30E-04	4.30E-06
2566	741419.85	4110051.33	9.18E-04	1.67E-03	9.18E-05	1.42E-04	2.74E-04	1.38E-05	1.38E-04	2.36E-04	1.75E-05	7.86E-05	1.30E-04	4.31E-06
2567	741412.61	4110010.34	8.81E-04	1.61E-03	8.82E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.27E-04	1.68E-05	7.55E-05	1.25E-04	4.14E-06
2568	741405.38	4109969.34	8.21E-04	1.50E-03	8.22E-05	1.27E-04	2.45E-04	1.23E-05	1.24E-04	2.11E-04	1.56E-05	7.04E-05	1.16E-04	3.86E-06
2569	741398.14	4109928.35	7.53E-04	1.37E-03	7.53E-05	1.17E-04	2.25E-04	1.13E-05	1.13E-04	1.93E-04	1.43E-05	6.45E-05	1.07E-04	3.54E-06
2570	741390.9	4109887.35	6.81E-04	1.24E-03	6.82E-05	1.06E-04	2.04E-04	1.02E-05	1.03E-04	1.75E-04	1.30E-05	5.84E-05	9.66E-05	3.20E-06
2571	741383.66	4109846.36	6.10E-04	1.11E-03	6.11E-05	9.46E-05	1.82E-04	9.16E-06	9.20E-05	1.57E-04	1.16E-05	5.23E-05	8.65E-05	2.87E-06
2572	741376.42	4109805.36	5.43E-04	9.89E-04	5.43E-05	8.42E-05	1.62E-04	8.15E-06	8.19E-05	1.40E-04	1.03E-05	4.65E-05	7.70E-05	2.55E-06
2573	741384.7	4109767.78	4.96E-04	9.03E-04	4.96E-05	7.69E-05	1.48E-04	7.44E-06	7.47E-05	1.27E-04	9.44E-06	4.25E-05	7.03E-05	2.33E-06
2574	741408.49	4109733.62	4.59E-04	8.37E-04	4.59E-05	7.12E-05	1.37E-04	6.89E-06	6.92E-05	1.18E-04	8.75E-06	3.93E-05	6.51E-05	2.16E-06
2575	741432.28	4109699.45	4.18E-04	7.62E-04	4.18E-05	6.49E-05	1.25E-04	6.28E-06	6.31E-05	1.08E-04	7.97E-06	3.58E-05	5.93E-05	1.97E-06
2576	741456.07	4109665.29	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.73E-05	9.76E-05	7.24E-06	3.25E-05	5.39E-05	1.78E-06
2577	741479.86	4109631.13	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.95E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
2578	741503.65	4109596.97	3.21E-04	5.85E-04	3.21E-05	4.98E-05	9.58E-05	4.82E-06	4.84E-05	8.25E-05	6.11E-06	2.75E-05	4.55E-05	1.51E-06
2579	741551.23	4109528.64	2.74E-04	4.99E-04	2.74E-05	4.25E-05	8.19E-05	4.11E-06	4.13E-05	7.04E-05	5.22E-06	2.35E-05	3.88E-05	1.29E-06
2580	741575.02	4109494.48	2.57E-04	4.68E-04	2.57E-05	3.98E-05	7.68E-05	3.86E-06	3.87E-05	6.60E-05	4.90E-06	2.20E-05	3.64E-05	1.21E-06
2581	741598.81	4109460.32	2.43E-04	4.44E-04	2.44E-05	3.78E-05	7.27E-05	3.65E-06	3.67E-05	6.26E-05	4.64E-06	2.09E-05	3.45E-05	1.14E-06
2582	741463.87	4110253.81	7.70E-04	1.40E-03	7.71E-05	1.19E-04	2.30E-04	1.16E-05	1.16E-04	1.98E-04	1.47E-05	6.60E-05	1.09E-04	3.62E-06
2583	741486.76	4110289.81	7.85E-04	1.43E-03	7.85E-05	1.22E-04	2.34E-04	1.18E-05	1.18E-04	2.02E-04	1.50E-05	6.72E-05	1.11E-04	3.69E-06
2584	741364.47	4110269.23	5.86E-04	1.07E-03	5.87E-05	9.09E-05	1.75E-04	8.80E-06	8.84E-05	1.51E-04	1.12E-05	5.02E-05	8.31E-05	2.75E-06
2585	741357.32	4110228.76	6.09E-04	1.11E-03	6.10E-05	9.45E-05	1.82E-04	9.14E-06	9.19E-05	1.57E-04	1.16E-05	5.22E-05	8.64E-05	2.86E-06
2586	741350.18	4110188.29	6.45E-04	1.17E-03	6.45E-05	1.00E-04	1.93E-04	9.67E-06	9.72E-05	1.66E-04	1.23E-05	5.52E-05	9.14E-05	3.03E-06
2587	741343.03	4110147.82	6.86E-04	1.25E-03	6.86E-05	1.06E-04	2.05E-04	1.03E-05	1.03E-04	1.76E-04	1.31E-05	5.88E-05	9.73E-05	3.22E-06
2588	741335.88	4110107.35	7.19E-04	1.31E-03	7.19E-05	1.11E-04	2.15E-04	1.08E-05	1.08E-04	1.85E-04	1.37E-05	6.16E-05	1.02E-04	3.38E-06
2589	741328.74	4110066.88	7.27E-04	1.33E-03	7.28E-05	1.13E-04	2.17E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.23E-05	1.03E-04	3.42E-06
2590	741321.59	4110026.41	7.07E-04	1.29E-03	7.07E-05	1.10E-04	2.11E-04	1.06E-05	1.07E-04	1.82E-04	1.35E-05	6.06E-05	1.00E-04	3.32E-06
2591	741314.44	4109985.94	6.67E-04	1.21E-03	6.67E-05	1.03E-04	1.99E-04	1.00E-05	1.01E-04	1.71E-04	1.27E-05	5.71E-05	9.45E-05	3.13E-06
2592	741307.3	4109945.47	6.20E-04	1.13E-03	6.21E-05	9.62E-05	1.85E-04	9.31E-06	9.36E-05	1.59E-04	1.18E-05	5.32E-05	8.80E-05	2.92E-06
2593	741300.15	4109905	5.75E-04	1.05E-03	5.75E-05	8.92E-05	1.72E-04	8.63E-06	8.67E-05	1.48E-04	1.10E-05	4.93E-05	8.15E-05	2.70E-06
2594	741293.01	4109864.53	5.31E-04	9.67E-04	5.31E-05	8.23E-05	1.59E-04	7.97E-06	8.01E-05	1.36E-04	1.01E-05	4.55E-05	7.53E-05	2.49E-06
2595	741285.86	4109824.06	4.87E-04	8.87E-04	4.87E-05	7.55E-05	1.45E-04	7.31E-06	7.34E-05	1.25E-04	9.28E-06	4.17E-05	6.90E-05	2.29E-06
2596	741278.71	4109783.59	4.43E-04	8.08E-04	4.44E-05	6.88E-05	1.32E-04	6.66E-06	6.69E-05	1.14E-04	8.45E-06	3.80E-05	6.29E-05	2.08E-06
2597	741286.88	4109746.49	4.12E-04	7.50E-04	4.12E-05	6.38E-05	1.23E-04	6.18E-06	6.21E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.93E-06
2598	741310.37	4109712.77	3.86E-04	7.04E-04	3.87E-05	5.99E-05	1.15E-04	5.80E-06	5.83E-05	9.93E-05	7.36E-06	3.31E-05	5.48E-05	1.82E-06
2599	741333.85	4109679.04	3.55E-04	6.47E-04	3.55E-05	5.51E-05	1.06E-04	5.33E-06	5.36E-05	9.13E-05	6.77E-06	3.04E-05	5.04E-05	1.67E-06
2600	741357.34	4109645.32	3.23E-04	5.88E-04	3.23E-05	5.00E-05	9.64E-05	4.84E-06	4.87E-05	8.29E-05	6.15E-06	2.76E-05	4.57E-05	1.52E-06
2601	741380.82	4109611.59	2.94E-04	5.36E-04	2.94E-05	4.56E-05	8.78E-05	4.41E-06	4.43E-05	7.55E-05	5.60E-06	2.52E-05	4.17E-05	1.38E-06
2602	741404.31	4109577.87	2.71E-04	4.95E-04	2.72E-05	4.21E-05	8.11E-05	4.07E-06	4.09E-05	6.98E-05	5.17E-06	2.33E-05	3.85E-05	1.28E-06
2603	741427.79	4109544.14	2.54E-04	4.62E-04	2.54E-05	3.94E-05	7.58E-05	3.81E-06	3.83E-05	6.52E-05	4.84E-06	2.17E-05	3.60E-05	1.19E-06
2604	741451.28	4109510.42	2.38E-04	4.35E-04	2.39E-05	3.70E-05	7.12E-05	3.58E-06	3.60E-05	6.13E-05	4.54E-06	2.04E-05	3.38E-05	1.12E-06
2605	741498.25	4109442.97	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.20E-06	3.21E-05	5.47E-05	4.06E-06	1.82E-05	3.02E-05	1.00E-06
2606	741521.74	4109409.25	2.03E-04	3.70E-04	2.03E-05	3.15E-05	6.06E-05	3.04E-06	3.06E-05	5.21E-05	3.87E-06	1.74E-05	2.88E-05	9.53E-07
2607	741545.22	4109375.52	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.11E-07
2608	741379.48	4110307.47	5.85E-04	1.07E-03	5.85E-05	9.06E-05	1.75E-04	8.77E-06	8.81E-05	1.50E-04	1.11E-05	5.01E-05	8.29E-05	2.75E-06
2609	741402.37	4110343.46	5.97E-04	1.09E-03	5.97E-05	9.25E-05	1.78E-04	8.96E-06	9.00E-05	1.53E-04	1.14E-05	5.11E-05	8.46E-05	2.80E-06
2610	741195.65	4110376.28	3.78E-04	6.89E-04	3.78E-05	5.86E-05	1.13E-04	5.67E-06	5.70E-05	9.72E-05	7.20E-06	3.24E-05	5.36E-05	1.78E-06
2611	741188.41	4110335.28	3.85E-04	7.01E-04	3.85E-05	5.97E-05	1.15E-04	5.77E-06	5.80E-05	9.89E-05	7.33E-06	3.30E-05	5.45E-05	1.81E-06
2612	741181.17	4110294.28	3.96E-04	7.21E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.54E-06	3.39E-05	5.61E-05	1.86E-06
2613	741173.93	4110253.29	4.14E-04	7.54E-04	4.14E-05	6.41E-05	1.24E-04	6.21E-06	6.24E-05	1.06E-04	7.88E-06	3.54E-05	5.86E-05	1.94E-06
2614	741166.69	4110212.29	4.39E-04	8.00E-04	4.39E-05	6.81E-05	1.31E-04	6.59E-06	6.62E-05	1.13E-04	8.36E-06	3.76E-05	6.22E-05	2.06E-06
2615	741159.45	4110171.3	4.68E-04	8.52E-04	4.68E-05	7.25E-05	1.40E-04	7.02E-06	7.05E-05	1.20E-04	8.91E-06	4.01E-05	6.63E-05	2.20E-06
2616	741152.21	4110130.3	4.91E-04	8.95E-04	4.91E-05	7.62E-05	1.47E-04	7.37E-06	7.41E-05	1.26E-04	9.36E-06	4.21E-05	6.96E-05	2.31E-06
2617	741144.97	4110089.31	5.00E-04	9.11E-04	5.00E-05	7.75E-05	1.49E-04	7.50E-06	7.54E-05	1.28E-04	9.53E-06	4.28E-05	7.09E-05	2.35E-06
2618	741137.73	4110048.31	4.90E-04	8.93E-04	4.91E-05	7.60E-05	1.46E-04	7.36E-06	7.39E-05	1.26E-04	9.34E-06	4.20E-05	6.95E-05	2.30E-06
2619	741130.49	4110007.31	4.67E-04	8.50E-04	4.67E-05	7.24E-05	1.39E-04	7.00E-06	7.04E-05	1.20E-04	8.89E-06	4.00E-05	6.62E-05	2.19E-06
2620	741123.25	4109966.32	4.37E-04	7.97E-04	4.38E-05	6.78E-05	1.31E-04	6.57E-06	6.60E-05	1.12E-04	8.34E-06	3.75E-05	6.20E-05	2.06E-06
2621	741116.02	4109925.32	4.10E-04	7.47E-04	4.10E-05	6.36E-05	1.22E-04	6.15E-06	6.18E-05	1.05E-04	7.81E-06	3.51E-05	5.81E-05	1.93E-06
2622	741108.78	4109884.33	3.87E-04	7.05E-04	3.87E-05	6.00E-05	1.16E-04	5.81E-06	5.83E-05	9.94E-05	7.37E-06	3.31E-05	5.48E-05	1.82E-06
2623	741101.54	4109843.33	3.67E-04	6.69E-04	3.67E-05	5.69E-05	1.10E-04	5.51E-06	5.53E-05	9.43E-05	6.99E-06	3.14E-05	5.20E-05	1.72E-06

2624	741094.3	4109802.33	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.94E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
2625	741087.06	4109761.34	3.28E-04	5.97E-04	3.28E-05	5.08E-05	9.79E-05	4.92E-06	4.94E-05	8.42E-05	6.24E-06	2.81E-05	4.65E-05	1.54E-06
2626	741091.72	4109703.26	3.00E-04	5.47E-04	3.00E-05	4.65E-05	8.97E-05	4.50E-06	4.53E-05	7.71E-05	5.72E-06	2.57E-05	4.25E-05	1.41E-06
2627	741115.51	4109669.1	2.86E-04	5.22E-04	2.87E-05	4.44E-05	8.56E-05	4.30E-06	4.32E-05	7.36E-05	5.46E-06	2.45E-05	4.06E-05	1.35E-06
2628	741139.3	4109634.94	2.69E-04	4.90E-04	2.69E-05	4.17E-05	8.03E-05	4.03E-06	4.05E-05	6.91E-05	5.12E-06	2.30E-05	3.81E-05	1.26E-06
2629	741163.09	4109600.77	2.48E-04	4.52E-04	2.48E-05	3.84E-05	7.40E-05	3.72E-06	3.74E-05	6.37E-05	4.72E-06	2.12E-05	3.51E-05	1.16E-06
2630	741186.88	4109566.61	2.26E-04	4.12E-04	2.26E-05	3.50E-05	6.75E-05	3.39E-06	3.41E-05	5.81E-05	4.31E-06	1.94E-05	3.20E-05	1.06E-06
2631	741210.67	4109532.45	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
2632	741234.46	4109498.29	1.90E-04	3.46E-04	1.90E-05	2.94E-05	5.67E-05	2.85E-06	2.86E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.92E-07
2633	741258.25	4109464.12	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.36E-07
2634	741282.04	4109429.96	1.69E-04	3.08E-04	1.69E-05	2.62E-05	5.05E-05	2.54E-06	2.55E-05	4.35E-05	3.22E-06	1.45E-05	2.40E-05	7.95E-07
2635	741305.83	4109395.8	1.63E-04	2.96E-04	1.63E-05	2.52E-05	4.86E-05	2.44E-06	2.45E-05	4.18E-05	3.10E-06	1.39E-05	2.30E-05	7.64E-07
2636	741329.62	4109361.63	1.57E-04	2.86E-04	1.57E-05	2.44E-05	4.69E-05	2.36E-06	2.37E-05	4.04E-05	2.99E-06	1.35E-05	2.23E-05	7.38E-07
2637	741353.41	4109327.47	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.91E-05	2.90E-06	1.30E-05	2.16E-05	7.16E-07
2638	741377.2	4109293.31	1.47E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.93E-07
2639	741400.99	4109259.15	1.42E-04	2.59E-04	1.42E-05	2.21E-05	4.25E-05	2.14E-06	2.15E-05	3.66E-05	2.71E-06	1.22E-05	2.02E-05	6.69E-07
2640	741424.78	4109224.98	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
2641	741448.57	4109190.82	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.92E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
2642	741210.71	4110414.77	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.72E-05	9.76E-05	7.23E-06	3.25E-05	5.38E-05	1.78E-06
2643	741233.59	4110450.77	3.88E-04	7.07E-04	3.88E-05	6.01E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
2644	741026.84	4110483.41	2.71E-04	4.94E-04	2.71E-05	4.20E-05	8.09E-05	4.07E-06	4.09E-05	6.97E-05	5.16E-06	2.32E-05	3.84E-05	1.27E-06
2645	741019.54	4110442.07	2.74E-04	4.99E-04	2.74E-05	4.24E-05	8.18E-05	4.11E-06	4.13E-05	7.04E-05	5.22E-06	2.35E-05	3.88E-05	1.29E-06
2646	741012.24	4110400.74	2.78E-04	5.06E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.14E-05	5.29E-06	2.38E-05	3.94E-05	1.31E-06
2647	741004.94	4110359.4	2.84E-04	5.17E-04	2.84E-05	4.40E-05	8.47E-05	4.26E-06	4.28E-05	7.29E-05	5.41E-06	2.43E-05	4.02E-05	1.33E-06
2648	740997.64	4110318.06	2.93E-04	5.34E-04	2.93E-05	4.54E-05	8.75E-05	4.40E-06	4.42E-05	7.53E-05	5.58E-06	2.51E-05	4.16E-05	1.38E-06
2649	740990.34	4110276.72	3.07E-04	5.60E-04	3.08E-05	4.77E-05	9.18E-05	4.61E-06	4.64E-05	7.90E-05	5.86E-06	2.63E-05	4.36E-05	1.44E-06
2650	740983.04	4110235.39	3.27E-04	5.95E-04	3.27E-05	5.07E-05	9.76E-05	4.90E-06	4.93E-05	8.40E-05	6.22E-06	2.80E-05	4.63E-05	1.53E-06
2651	740975.74	4110194.05	3.47E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
2652	740968.44	4110152.71	3.64E-04	6.64E-04	3.64E-05	5.65E-05	1.09E-04	5.47E-06	5.49E-05	9.36E-05	6.94E-06	3.12E-05	5.16E-05	1.71E-06
2653	740961.14	4110111.37	3.71E-04	6.76E-04	3.71E-05	5.76E-05	1.11E-04	5.57E-06	5.60E-05	9.54E-05	7.07E-06	3.18E-05	5.26E-05	1.74E-06
2654	740953.84	4110070.04	3.66E-04	6.67E-04	3.66E-05	5.68E-05	1.09E-04	5.50E-06	5.52E-05	9.41E-05	6.98E-06	3.14E-05	5.19E-05	1.72E-06
2655	740946.55	4110028.7	3.52E-04	6.40E-04	3.52E-05	5.45E-05	1.05E-04	5.28E-06	5.30E-05	9.04E-05	6.70E-06	3.01E-05	4.98E-05	1.65E-06
2656	740939.25	4109987.36	3.32E-04	6.04E-04	3.32E-05	5.14E-05	9.91E-05	4.98E-06	5.00E-05	8.52E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
2657	740931.95	4109946.02	3.11E-04	5.67E-04	3.11E-05	4.83E-05	9.30E-05	4.67E-06	4.69E-05	8.00E-05	5.93E-06	2.67E-05	4.41E-05	1.46E-06
2658	740924.65	4109904.69	2.94E-04	5.36E-04	2.94E-05	4.56E-05	8.78E-05	4.41E-06	4.43E-05	7.55E-05	5.60E-06	2.52E-05	4.17E-05	1.38E-06
2659	740917.35	4109863.35	2.80E-04	5.11E-04	2.81E-05	4.35E-05	8.38E-05	4.21E-06	4.23E-05	7.21E-05	5.34E-06	2.40E-05	3.98E-05	1.32E-06
2660	740910.05	4109822.01	2.70E-04	4.92E-04	2.70E-05	4.19E-05	8.07E-05	4.06E-06	4.08E-05	6.95E-05	5.15E-06	2.32E-05	3.83E-05	1.27E-06
2661	740902.75	4109780.67	2.61E-04	4.76E-04	2.61E-05	4.05E-05	7.81E-05	3.92E-06	3.94E-05	6.72E-05	4.98E-06	2.24E-05	3.71E-05	1.23E-06
2662	740895.45	4109739.34	2.52E-04	4.59E-04	2.52E-05	3.91E-05	7.52E-05	3.78E-06	3.80E-05	6.47E-05	4.80E-06	2.16E-05	3.57E-05	1.18E-06
2663	740888.15	4109698	2.41E-04	4.38E-04	2.41E-05	3.73E-05	7.19E-05	3.61E-06	3.63E-05	6.18E-05	4.58E-06	2.06E-05	3.41E-05	1.13E-06
2664	740896.49	4109660.11	2.31E-04	4.22E-04	2.32E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.95E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
2665	740920.48	4109625.66	2.23E-04	4.07E-04	2.24E-05	3.46E-05	6.67E-05	3.35E-06	3.37E-05	5.74E-05	4.26E-06	1.91E-05	3.17E-05	1.05E-06
2666	740944.47	4109591.21	2.12E-04	3.87E-04	2.12E-05	3.29E-05	6.34E-05	3.18E-06	3.20E-05	5.45E-05	4.04E-06	1.82E-05	3.01E-05	9.97E-07
2667	740968.46	4109556.76	1.99E-04	3.63E-04	1.99E-05	3.09E-05	5.94E-05	2.99E-06	3.00E-05	5.12E-05	3.79E-06	1.71E-05	2.82E-05	9.35E-07
2668	740992.45	4109522.32	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.51E-05	2.77E-06	2.78E-05	4.74E-05	3.52E-06	1.58E-05	2.62E-05	8.67E-07
2669	741016.44	4109487.87	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.41E-05	7.97E-07
2670	741040.43	4109453.42	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.31E-07
2671	741064.41	4109418.97	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.15E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
2672	741088.4	4109384.53	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.45E-05	2.55E-06	1.15E-05	1.90E-05	6.30E-07
2673	741112.39	4109350.08	1.27E-04	2.31E-04	1.27E-05	1.97E-05	3.79E-05	1.91E-06	1.92E-05	3.26E-05	2.42E-06	1.09E-05	1.80E-05	5.97E-07
2674	741136.38	4109315.63	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.14E-05	2.32E-06	1.05E-05	1.73E-05	5.73E-07
2675	741160.37	4109281.19	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
2676	741184.36	4109246.74	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.48E-05	1.75E-06	1.75E-05	2.99E-05	2.22E-06	9.97E-06	1.65E-05	5.47E-07
2677	741208.35	4109212.29	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.83E-06	1.63E-05	5.39E-07
2678	741232.33	4109177.84	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.15E-06	9.69E-06	1.60E-05	5.31E-07
2679	741256.32	4109143.4	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.49E-06	1.57E-05	5.21E-07
2680	741280.31	4109108.95	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.22E-05	1.62E-06	1.62E-05	2.77E-05	2.05E-06	9.23E-06	1.53E-05	5.06E-07
2681	741304.3	4109074.5	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
2682	741328.29	4109040.05	9.97E-05	1.82E-04	9.98E-06	1.55E-05	2.98E-05	1.50E-06	1.50E-05	2.56E-05	1.90E-06	8.54E-06	1.41E-05	4.69E-07
2683	741041.93	4110522.08	2.73E-04	4.97E-04	2.73E-05	4.23E-05	8.14E-05	4.09E-06	4.11E-05	7.01E-05	5.19E-06	2.34E-05	3.87E-05	1.28E-06
2684	741064.82	4110558.07	2.78E-04	5.06E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.14E-05	5.29E-06	2.38E-05	3.94E-05	1.31E-06
2685	740858.04	4110590.6	2.07E-04	3.77E-04	2.07E-05	3.21E-05	6.18E-05	3.10E-06	3.12E-05	5.31E-05	3.94E-06	1.77E-05	2.93E-05	9.72E-07
2686	740850.7	4110549.02	2.08E-04	3.79E-04	2.08E-05	3.22E-05	6.21E-05	3.12E-06	3.14E-05	5.35E-05	3.96E-06	1.78E-05	2.95E-05	9.77E-07
2687	740843.36	4110507.44	2.10E-04	3.83E-04	2.10E-05	3.26E-05	6.27E-05	3.15E-06	3.17E-05	5.40E-05	4.00E-06	1.80E-05	2.98E-05	9.87E-07
2688	740836.02	4110465.86	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.19E-06	3.21E-05	5.47E-05	4.06E-06	1.82E-05	3.02E-05	1.00E-06
2689	740828.67	4110424.29	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.27E-05	5.57E-05	4.13E-06	1.86E-05	3.07E-05	1.02E-06
2690	740821.33	4110382.71	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.70E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
2691	740813.99	4110341.13	2.30E-04	4.19E-04	2.30E-05	3.57E-05	6.87E-05	3.45E-06	3.47E-05	5.91E-05	4.38E-06	1.97E-05	3.26E-05	1.08E-06
2692	740806.65	4110299.55	2.42E-04	4.41E-04	2.42E-05	3.75E-05	7.23E-05	3.63E-06	3.65E-05	6.22E-05	4.61E-06	2.07E-05	3.43E-05	1.14E-06
2693	740799.31	4110257.98	2.57E-04	4.68E-04	2.57E-05	3.99E-05	7.68E-05	3.86E-06	3.88E-05	6.61E-05	4.90E-06	2.20E-05	3.65E-05	1.21E-06
2694	740791.96	4110216.4	2.73E-04	4.97E-04	2.73E-05	4.23E-05	8.15E-05	4.09E-06	4.11E-05	7.01E-05	5.20E-06	2.34E-05	3.87E-05	1.28E-06

2695	740784.62	4110174.82	2.85E-04	5.19E-04	2.85E-05	4.42E-05	8.51E-05	4.27E-06	4.29E-05	7.32E-05	5.43E-06	2.44E-05	4.04E-05	1.34E-06
2696	740777.28	4110133.24	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.46E-05	5.53E-06	2.49E-05	4.11E-05	1.36E-06
2697	740769.94	4110091.67	2.87E-04	5.24E-04	2.88E-05	4.46E-05	8.59E-05	4.31E-06	4.33E-05	7.39E-05	5.48E-06	2.46E-05	4.08E-05	1.35E-06
2698	740762.6	4110050.09	2.78E-04	5.07E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.15E-05	5.30E-06	2.38E-05	3.94E-05	1.31E-06
2699	740755.26	4110008.51	2.64E-04	4.81E-04	2.64E-05	4.10E-05	7.89E-05	3.97E-06	3.98E-05	6.79E-05	5.03E-06	2.26E-05	3.75E-05	1.24E-06
2700	740747.91	4109966.94	2.49E-04	4.54E-04	2.49E-05	3.86E-05	7.44E-05	3.74E-06	3.76E-05	6.40E-05	4.75E-06	2.13E-05	3.53E-05	1.17E-06
2701	740740.57	4109925.36	2.35E-04	4.28E-04	2.35E-05	3.64E-05	7.01E-05	3.52E-06	3.54E-05	6.04E-05	4.47E-06	2.01E-05	3.33E-05	1.10E-06
2702	740733.23	4109883.78	2.23E-04	4.06E-04	2.23E-05	3.46E-05	6.66E-05	3.35E-06	3.36E-05	5.73E-05	4.25E-06	1.91E-05	3.16E-05	1.05E-06
2703	740725.89	4109842.2	2.14E-04	3.91E-04	2.15E-05	3.32E-05	6.41E-05	3.22E-06	3.23E-05	5.51E-05	4.09E-06	1.84E-05	3.04E-05	1.01E-06
2704	740718.55	4109800.63	2.08E-04	3.80E-04	2.09E-05	3.23E-05	6.23E-05	3.13E-06	3.14E-05	5.36E-05	3.97E-06	1.79E-05	2.96E-05	9.80E-07
2705	740711.21	4109759.05	2.04E-04	3.72E-04	2.04E-05	3.16E-05	6.09E-05	3.06E-06	3.07E-05	5.24E-05	3.89E-06	1.75E-05	2.89E-05	9.58E-07
2706	740703.86	4109717.47	1.99E-04	3.63E-04	2.00E-05	3.09E-05	5.96E-05	2.99E-06	3.01E-05	5.13E-05	3.80E-06	1.71E-05	2.83E-05	9.37E-07
2707	740696.52	4109675.89	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.11E-07
2708	740701.24	4109616.99	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.53E-05	2.78E-06	2.79E-05	4.76E-05	3.53E-06	1.59E-05	2.62E-05	8.70E-07
2709	740725.37	4109582.35	1.80E-04	3.29E-04	1.80E-05	2.80E-05	5.39E-05	2.71E-06	2.72E-05	4.64E-05	3.44E-06	1.55E-05	2.56E-05	8.47E-07
2710	740749.5	4109547.7	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.45E-05	8.13E-07
2711	740773.63	4109513.05	1.64E-04	2.99E-04	1.64E-05	2.54E-05	4.90E-05	2.46E-06	2.47E-05	4.22E-05	3.13E-06	1.41E-05	2.33E-05	7.71E-07
2712	740797.75	4109478.4	1.54E-04	2.81E-04	1.54E-05	2.39E-05	4.60E-05	2.31E-06	2.32E-05	3.96E-05	2.94E-06	1.32E-05	2.18E-05	7.24E-07
2713	740821.88	4109443.76	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.16E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
2714	740846.01	4109409.11	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.98E-05	2.00E-06	2.01E-05	3.42E-05	2.54E-06	1.14E-05	1.89E-05	6.26E-07
2715	740870.14	4109374.46	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
2716	740894.27	4109339.82	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.72E-06	1.72E-05	2.94E-05	2.18E-06	9.79E-06	1.62E-05	5.37E-07
2717	740918.39	4109305.17	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.19E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.14E-06	1.51E-05	5.01E-07
2718	740942.52	4109270.52	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.58E-05	1.92E-06	8.61E-06	1.43E-05	4.72E-07
2719	740966.65	4109235.87	9.60E-05	1.75E-04	9.60E-06	1.49E-05	2.87E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.22E-06	1.36E-05	4.51E-07
2720	740990.78	4109201.23	9.28E-05	1.69E-04	9.28E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.95E-06	1.32E-05	4.36E-07
2721	741014.9	4109166.58	9.08E-05	1.65E-04	9.09E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.78E-06	1.29E-05	4.27E-07
2722	741039.03	4109131.93	8.98E-05	1.64E-04	8.99E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.22E-07
2723	741063.16	4109097.28	8.95E-05	1.63E-04	8.95E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.67E-06	1.27E-05	4.20E-07
2724	741087.29	4109062.64	8.92E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.19E-07
2725	741111.42	4109027.99	8.87E-05	1.62E-04	8.87E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
2726	741135.54	4108993.34	8.74E-05	1.59E-04	8.75E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
2727	741159.67	4108958.7	8.53E-05	1.56E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
2728	741183.8	4108924.05	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
2729	741207.93	4108889.4	7.93E-05	1.44E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.79E-06	1.12E-05	3.73E-07
2730	741232.05	4108854.75	7.58E-05	1.38E-04	7.59E-06	1.18E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.50E-06	1.07E-05	3.56E-07
2731	740873.15	4110629.38	2.08E-04	3.79E-04	2.08E-05	3.23E-05	6.22E-05	3.13E-06	3.14E-05	5.35E-05	3.97E-06	1.78E-05	2.95E-05	9.79E-07
2732	740896.04	4110665.38	2.12E-04	3.86E-04	2.12E-05	3.28E-05	6.32E-05	3.18E-06	3.19E-05	5.44E-05	4.03E-06	1.81E-05	3.00E-05	9.95E-07
2733	740689.25	4110697.81	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.75E-07
2734	740681.88	4110656.06	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.48E-06	2.50E-05	4.26E-05	3.15E-06	1.42E-05	2.35E-05	7.78E-07
2735	740674.5	4110614.3	1.67E-04	3.04E-04	1.67E-05	2.58E-05	4.98E-05	2.50E-06	2.51E-05	4.28E-05	3.17E-06	1.43E-05	2.36E-05	7.83E-07
2736	740667.13	4110572.55	1.68E-04	3.06E-04	1.68E-05	2.61E-05	5.02E-05	2.52E-06	2.54E-05	4.32E-05	3.21E-06	1.44E-05	2.38E-05	7.90E-07
2737	740659.76	4110530.79	1.70E-04	3.10E-04	1.70E-05	2.64E-05	5.09E-05	2.56E-06	2.57E-05	4.38E-05	3.25E-06	1.46E-05	2.41E-05	8.00E-07
2738	740652.38	4110489.04	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.16E-05	2.59E-06	2.61E-05	4.44E-05	3.29E-06	1.48E-05	2.45E-05	8.12E-07
2739	740645.01	4110447.28	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.26E-05	2.64E-06	2.65E-05	4.53E-05	3.35E-06	1.51E-05	2.50E-05	8.27E-07
2740	740637.64	4110405.53	1.81E-04	3.29E-04	1.81E-05	2.80E-05	5.40E-05	2.71E-06	2.73E-05	4.65E-05	3.44E-06	1.55E-05	2.56E-05	8.50E-07
2741	740630.26	4110363.77	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.62E-05	2.82E-06	2.84E-05	4.84E-05	3.58E-06	1.61E-05	2.67E-05	8.84E-07
2742	740622.89	4110322.02	1.98E-04	3.61E-04	1.98E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.10E-05	3.78E-06	1.70E-05	2.81E-05	9.32E-07
2743	740615.52	4110280.26	2.11E-04	3.84E-04	2.11E-05	3.26E-05	6.29E-05	3.16E-06	3.17E-05	5.41E-05	4.01E-06	1.80E-05	2.98E-05	9.89E-07
2744	740608.14	4110238.51	2.22E-04	4.05E-04	2.22E-05	3.45E-05	6.64E-05	3.34E-06	3.35E-05	5.72E-05	4.24E-06	1.91E-05	3.15E-05	1.04E-06
2745	740600.77	4110196.75	2.31E-04	4.21E-04	2.31E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.94E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
2746	740593.4	4110155	2.35E-04	4.29E-04	2.35E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.48E-06	2.02E-05	3.33E-05	1.11E-06
2747	740586.02	4110113.24	2.34E-04	4.26E-04	2.34E-05	3.62E-05	6.98E-05	3.51E-06	3.52E-05	6.01E-05	4.45E-06	2.00E-05	3.31E-05	1.10E-06
2748	740578.65	4110071.49	2.27E-04	4.14E-04	2.27E-05	3.52E-05	6.78E-05	3.41E-06	3.42E-05	5.83E-05	4.33E-06	1.94E-05	3.22E-05	1.07E-06
2749	740571.28	4110029.73	2.17E-04	3.96E-04	2.17E-05	3.37E-05	6.49E-05	3.26E-06	3.28E-05	5.58E-05	4.14E-06	1.86E-05	3.08E-05	1.02E-06
2750	740563.9	4109987.98	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.11E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
2751	740556.53	4109946.22	1.95E-04	3.55E-04	1.95E-05	3.02E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.71E-06	1.67E-05	2.76E-05	9.15E-07
2752	740549.16	4109904.47	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.52E-05	2.77E-06	2.78E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.68E-07
2753	740541.79	4109862.71	1.77E-04	3.22E-04	1.77E-05	2.74E-05	5.27E-05	2.65E-06	2.66E-05	4.54E-05	3.36E-06	1.51E-05	2.50E-05	8.30E-07
2754	740534.41	4109820.96	1.71E-04	3.11E-04	1.71E-05	2.65E-05	5.10E-05	2.56E-06	2.57E-05	4.39E-05	3.25E-06	1.46E-05	2.42E-05	8.02E-07
2755	740527.04	4109779.2	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.98E-05	2.50E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.84E-07
2756	740519.67	4109737.45	1.64E-04	2.99E-04	1.64E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.22E-05	3.13E-06	1.41E-05	2.33E-05	7.72E-07
2757	740512.29	4109695.69	1.62E-04	2.95E-04	1.62E-05	2.51E-05	4.84E-05	2.43E-06	2.45E-05	4.17E-05	3.09E-06	1.39E-05	2.30E-05	7.62E-07
2758	740504.92	4109653.94	1.60E-04	2.91E-04	1.60E-05	2.47E-05	4.77E-05	2.39E-06	2.41E-05	4.10E-05	3.04E-06	1.37E-05	2.26E-05	7.50E-07
2759	740497.55	4109612.18	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.32E-07
2760	740505.98	4109573.91	1.53E-04	2.78E-04	1.53E-05	2.37E-05	4.56E-05	2.29E-06	2.30E-05	3.92E-05	2.91E-06	1.31E-05	2.16E-05	7.17E-07
2761	740530.21	4109539.11	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.47E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.03E-07
2762	740554.44	4109504.32	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
2763	740578.67	4109469.52	1.38E-04	2.52E-04	1.38E-05	2.15E-05	4.13E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.50E-07
2764	740602.9	4109434.73	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
2765	740627.13	4109399.93	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07

2766	740651.36	4109365.13	1.15E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.90E-06	1.64E-05	5.43E-07
2767	740675.59	4109330.34	1.08E-04	1.97E-04	1.08E-05	1.67E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.25E-06	1.53E-05	5.07E-07
2768	740699.82	4109295.54	1.01E-04	1.84E-04	1.01E-05	1.56E-05	3.01E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.64E-06	1.43E-05	4.74E-07
2769	740724.05	4109260.75	9.41E-05	1.72E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.07E-06	1.33E-05	4.42E-07
2770	740748.28	4109225.95	8.81E-05	1.61E-04	8.82E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
2771	740772.51	4109191.16	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
2772	740796.75	4109156.36	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
2773	740820.98	4109121.57	7.55E-05	1.38E-04	7.55E-06	1.17E-05	2.26E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.47E-06	1.07E-05	3.55E-07
2774	740845.21	4109086.77	7.33E-05	1.34E-04	7.34E-06	1.14E-05	2.19E-05	1.10E-06	1.11E-05	1.89E-05	1.40E-06	6.28E-06	1.04E-05	3.45E-07
2775	740869.44	4109051.98	7.21E-05	1.31E-04	7.22E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
2776	740893.67	4109017.18	7.17E-05	1.31E-04	7.17E-06	1.11E-05	2.14E-05	1.08E-06	1.08E-05	1.84E-05	1.37E-06	6.14E-06	1.02E-05	3.37E-07
2777	740917.9	4108982.39	7.18E-05	1.31E-04	7.19E-06	1.11E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.15E-06	1.02E-05	3.38E-07
2778	740942.13	4108947.59	7.22E-05	1.32E-04	7.22E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.18E-06	1.02E-05	3.39E-07
2779	740966.36	4108912.8	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
2780	740990.59	4108878	7.22E-05	1.32E-04	7.22E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.18E-06	1.02E-05	3.39E-07
2781	741014.82	4108843.21	7.14E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.12E-06	1.01E-05	3.35E-07
2782	741039.05	4108808.41	6.99E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.28E-07
2783	741063.28	4108773.61	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
2784	741087.52	4108738.82	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.78E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
2785	741111.75	4108704.02	6.24E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
2786	740704.38	4110736.69	1.66E-04	3.03E-04	1.66E-05	2.58E-05	4.96E-05	2.49E-06	2.50E-05	4.27E-05	3.16E-06	1.42E-05	2.35E-05	7.80E-07
2787	740727.26	4110772.68	1.68E-04	3.07E-04	1.68E-05	2.61E-05	5.03E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.91E-07
2788	740351.67	4110912.3	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.82E-06	1.63E-05	5.39E-07
2789	740344.26	4110870.3	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.84E-06	1.63E-05	5.40E-07
2790	740336.84	4110828.3	1.15E-04	2.10E-04	1.15E-05	1.78E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.86E-06	1.63E-05	5.41E-07
2791	740329.42	4110786.3	1.16E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.90E-06	1.64E-05	5.43E-07
2792	740322.01	4110744.3	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.99E-05	2.22E-06	9.96E-06	1.65E-05	5.46E-07
2793	740314.59	4110702.3	1.17E-04	2.14E-04	1.17E-05	1.82E-05	3.51E-05	1.76E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.66E-05	5.52E-07
2794	740307.17	4110660.3	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
2795	740299.76	4110618.3	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.64E-07
2796	740292.34	4110576.29	1.21E-04	2.21E-04	1.22E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.71E-07
2797	740284.92	4110534.29	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
2798	740277.51	4110492.29	1.26E-04	2.30E-04	1.26E-05	1.95E-05	3.77E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.92E-07
2799	740270.09	4110450.29	1.30E-04	2.38E-04	1.31E-05	2.02E-05	3.90E-05	1.96E-06	1.97E-05	3.35E-05	2.49E-06	1.12E-05	1.85E-05	6.13E-07
2800	740262.68	4110408.29	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.94E-05	6.42E-07
2801	740255.26	4110366.29	1.44E-04	2.63E-04	1.44E-05	2.24E-05	4.31E-05	2.16E-06	2.17E-05	3.71E-05	2.75E-06	1.24E-05	2.04E-05	6.77E-07
2802	740247.84	4110324.29	1.52E-04	2.77E-04	1.52E-05	2.36E-05	4.55E-05	2.28E-06	2.29E-05	3.91E-05	2.90E-06	1.30E-05	2.16E-05	7.15E-07
2803	740240.43	4110282.29	1.59E-04	2.90E-04	1.59E-05	2.47E-05	4.76E-05	2.39E-06	2.40E-05	4.09E-05	3.04E-06	1.36E-05	2.26E-05	7.49E-07
2804	740233.01	4110240.29	1.64E-04	3.00E-04	1.64E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.23E-05	3.13E-06	1.41E-05	2.33E-05	7.73E-07
2805	740225.59	4110198.29	1.67E-04	3.04E-04	1.67E-05	2.58E-05	4.98E-05	2.50E-06	2.51E-05	4.28E-05	3.18E-06	1.43E-05	2.36E-05	7.83E-07
2806	740218.18	4110156.29	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
2807	740210.76	4110114.29	1.62E-04	2.96E-04	1.63E-05	2.52E-05	4.85E-05	2.44E-06	2.45E-05	4.18E-05	3.10E-06	1.39E-05	2.30E-05	7.63E-07
2808	740203.34	4110072.29	1.57E-04	2.86E-04	1.57E-05	2.44E-05	4.69E-05	2.36E-06	2.37E-05	4.04E-05	2.99E-06	1.35E-05	2.23E-05	7.38E-07
2809	740195.93	4110030.29	1.51E-04	2.74E-04	1.51E-05	2.34E-05	4.50E-05	2.26E-06	2.27E-05	3.87E-05	2.87E-06	1.29E-05	2.14E-05	7.08E-07
2810	740188.51	4109988.29	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.15E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
2811	740181.09	4109946.29	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.94E-05	6.42E-07
2812	740173.68	4109904.28	1.30E-04	2.37E-04	1.30E-05	2.02E-05	3.89E-05	1.95E-06	1.96E-05	3.35E-05	2.48E-06	1.12E-05	1.85E-05	6.12E-07
2813	740166.26	4109862.28	1.25E-04	2.27E-04	1.25E-05	1.93E-05	3.72E-05	1.87E-06	1.88E-05	3.20E-05	2.37E-06	1.07E-05	1.77E-05	5.86E-07
2814	740158.84	4109820.28	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.65E-07
2815	740151.43	4109778.28	1.17E-04	2.13E-04	1.17E-05	1.82E-05	3.50E-05	1.76E-06	1.77E-05	3.01E-05	2.23E-06	1.00E-05	1.66E-05	5.50E-07
2816	740144.01	4109736.28	1.15E-04	2.10E-04	1.15E-05	1.79E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.87E-06	1.63E-05	5.41E-07
2817	740136.59	4109694.28	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.93E-05	2.17E-06	9.78E-06	1.62E-05	5.36E-07
2818	740129.18	4109652.28	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.40E-05	1.71E-06	1.71E-05	2.92E-05	2.17E-06	9.74E-06	1.61E-05	5.34E-07
2819	740121.76	4109610.28	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.70E-06	1.61E-05	5.32E-07
2820	740114.34	4109568.28	1.12E-04	2.05E-04	1.13E-05	1.74E-05	3.36E-05	1.69E-06	1.70E-05	2.89E-05	2.14E-06	9.64E-06	1.59E-05	5.29E-07
2821	740106.93	4109526.28	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.67E-05	2.85E-05	2.11E-06	9.51E-06	1.57E-05	5.22E-07
2822	740115.41	4109487.78	1.10E-04	2.00E-04	1.10E-05	1.70E-05	3.28E-05	1.65E-06	1.66E-05	2.82E-05	2.09E-06	9.42E-06	1.56E-05	5.16E-07
2823	740139.78	4109452.78	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.25E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.34E-06	1.54E-05	5.12E-07
2824	740164.15	4109417.78	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.19E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.15E-06	1.51E-05	5.02E-07
2825	740188.53	4109382.78	1.03E-04	1.89E-04	1.04E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.87E-06	1.47E-05	4.86E-07
2826	740212.9	4109347.78	9.93E-05	1.81E-04	9.93E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.51E-06	1.41E-05	4.67E-07
2827	740237.27	4109312.78	9.46E-05	1.72E-04	9.46E-06	1.47E-05	2.83E-05	1.42E-06	1.43E-05	2.43E-05	1.80E-06	8.10E-06	1.34E-05	4.44E-07
2828	740261.65	4109277.78	8.97E-05	1.63E-04	8.97E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.68E-06	1.27E-05	4.21E-07
2829	740286.02	4109242.78	8.49E-05	1.55E-04	8.49E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
2830	740310.39	4109207.78	8.03E-05	1.46E-04	8.04E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.07E-05	1.53E-06	6.88E-06	1.14E-05	3.78E-07
2831	740334.77	4109172.78	7.61E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
2832	740359.14	4109137.78	7.20E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.17E-06	1.02E-05	3.39E-07
2833	740383.51	4109102.78	6.82E-05	1.24E-04	6.82E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.84E-06	9.67E-06	3.20E-07
2834	740407.89	4109067.78	6.45E-05	1.17E-04	6.45E-06	1.00E-05	1.93E-05	9.68E-07	9.72E-06	1.66E-05	1.23E-06	5.53E-06	9.14E-06	3.03E-07
2835	740432.26	4109032.78	6.10E-05	1.11E-04	6.11E-06	9.47E-06	1.82E-05	9.16E-07	9.20E-06	1.57E-05	1.16E-06	5.23E-06	8.65E-06	2.87E-07
2836	740456.63	4108997.78	5.78E-05	1.05E-04	5.78E-06	8.96E-06	1.73E-05	8.67E-07	8.72E-06	1.49E-05	1.10E-06	4.95E-06	8.20E-06	2.72E-07

2837	740481.01	4108962.78	5.49E-05	1.00E-04	5.50E-06	8.52E-06	1.64E-05	8.25E-07	8.28E-06	1.41E-05	1.05E-06	4.71E-06	7.79E-06	2.58E-07
2838	740505.38	4108927.78	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
2839	740529.75	4108892.78	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
2840	740554.13	4108857.78	4.97E-05	9.05E-05	4.97E-06	7.71E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.05E-06	2.34E-07
2841	740578.5	4108822.78	4.92E-05	8.97E-05	4.93E-06	7.63E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
2842	740602.87	4108787.78	4.92E-05	8.97E-05	4.93E-06	7.64E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
2843	740627.25	4108752.78	4.96E-05	9.04E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.48E-06	1.28E-05	9.46E-07	4.25E-06	7.04E-06	2.33E-07
2844	740651.62	4108717.78	5.02E-05	9.15E-05	5.02E-06	7.78E-06	1.50E-05	7.53E-07	7.57E-06	1.29E-05	9.56E-07	4.30E-06	7.12E-06	2.36E-07
2845	740675.99	4108682.78	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.63E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.21E-06	2.39E-07
2846	740700.37	4108647.78	5.13E-05	9.34E-05	5.13E-06	7.95E-06	1.53E-05	7.70E-07	7.73E-06	1.32E-05	9.77E-07	4.39E-06	7.27E-06	2.41E-07
2847	740724.74	4108612.78	5.15E-05	9.38E-05	5.15E-06	7.98E-06	1.54E-05	7.72E-07	7.76E-06	1.32E-05	9.81E-07	4.41E-06	7.30E-06	2.42E-07
2848	740749.11	4108577.78	5.13E-05	9.35E-05	5.13E-06	7.96E-06	1.53E-05	7.70E-07	7.74E-06	1.32E-05	9.78E-07	4.40E-06	7.27E-06	2.41E-07
2849	740773.49	4108542.78	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
2850	740797.86	4108507.78	4.99E-05	9.09E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.52E-06	1.28E-05	9.50E-07	4.27E-06	7.07E-06	2.34E-07
2851	740822.23	4108472.78	4.86E-05	8.85E-05	4.86E-06	7.53E-06	1.45E-05	7.29E-07	7.33E-06	1.25E-05	9.26E-07	4.16E-06	6.89E-06	2.28E-07
2852	740846.61	4108437.78	4.70E-05	8.56E-05	4.70E-06	7.29E-06	1.40E-05	7.05E-07	7.09E-06	1.21E-05	8.96E-07	4.03E-06	6.66E-06	2.21E-07
2853	740870.98	4108402.78	4.52E-05	8.24E-05	4.52E-06	7.01E-06	1.35E-05	6.78E-07	6.82E-06	1.16E-05	8.61E-07	3.87E-06	6.41E-06	2.12E-07
2854	740895.35	4108367.78	4.33E-05	7.90E-05	4.34E-06	6.72E-06	1.29E-05	6.51E-07	6.54E-06	1.11E-05	8.26E-07	3.71E-06	6.15E-06	2.04E-07
2855	740366.82	4110951.3	1.15E-04	2.10E-04	1.15E-05	1.79E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.87E-06	1.63E-05	5.41E-07
2856	740389.71	4110987.29	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.48E-05	1.75E-06	1.75E-05	2.99E-05	2.22E-06	9.97E-06	1.65E-05	5.47E-07
2857	740014.15	4111127.08	8.59E-05	1.56E-04	8.59E-06	1.33E-05	2.57E-05	1.29E-06	1.29E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
2858	740006.8	4111085.43	8.61E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.38E-06	1.22E-05	4.05E-07
2859	739999.44	4111043.77	8.62E-05	1.57E-04	8.63E-06	1.34E-05	2.58E-05	1.29E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.05E-07
2860	739992.08	4111002.12	8.63E-05	1.57E-04	8.63E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.06E-07
2861	739984.73	4110960.47	8.65E-05	1.58E-04	8.65E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.65E-06	7.41E-06	1.23E-05	4.06E-07
2862	739977.37	4110918.81	8.68E-05	1.58E-04	8.68E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
2863	739970.02	4110877.16	8.74E-05	1.59E-04	8.74E-06	1.35E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.66E-06	7.49E-06	1.24E-05	4.11E-07
2864	739962.66	4110835.5	8.82E-05	1.61E-04	8.82E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
2865	739955.31	4110793.85	8.91E-05	1.62E-04	8.91E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.63E-06	1.26E-05	4.19E-07
2866	739947.95	4110752.19	8.99E-05	1.64E-04	9.00E-06	1.39E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.23E-07
2867	739940.6	4110710.54	9.07E-05	1.65E-04	9.07E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.77E-06	1.29E-05	4.26E-07
2868	739933.24	4110668.89	9.15E-05	1.67E-04	9.15E-06	1.42E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.84E-06	1.30E-05	4.30E-07
2869	739925.89	4110627.23	9.25E-05	1.69E-04	9.26E-06	1.43E-05	2.76E-05	1.39E-06	1.40E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
2870	739918.53	4110585.58	9.42E-05	1.72E-04	9.43E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.80E-06	8.07E-06	1.34E-05	4.43E-07
2871	739911.18	4110543.92	9.69E-05	1.77E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
2872	739903.82	4110502.27	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.01E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.62E-06	1.43E-05	4.73E-07
2873	739896.46	4110460.61	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.03E-06	1.49E-05	4.95E-07
2874	739889.11	4110418.96	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.49E-06	1.57E-05	5.21E-07
2875	739881.75	4110377.3	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.98E-05	2.21E-06	9.95E-06	1.65E-05	5.46E-07
2876	739874.4	4110335.65	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.11E-05	2.30E-06	1.04E-05	1.71E-05	5.68E-07
2877	739867.04	4110294	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
2878	739859.69	4110252.34	1.26E-04	2.30E-04	1.26E-05	1.96E-05	3.77E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.93E-07
2879	739852.33	4110210.69	1.26E-04	2.30E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.92E-07
2880	739844.98	4110169.03	1.24E-04	2.26E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
2881	739837.62	4110127.38	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
2882	739830.27	4110085.72	1.18E-04	2.14E-04	1.18E-05	1.82E-05	3.51E-05	1.76E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.67E-05	5.52E-07
2883	739822.91	4110044.07	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.70E-06	1.61E-05	5.32E-07
2884	739815.56	4110002.41	1.09E-04	1.98E-04	1.09E-05	1.68E-05	3.25E-05	1.63E-06	1.64E-05	2.79E-05	2.07E-06	9.31E-06	1.54E-05	5.11E-07
2885	739808.2	4109960.76	1.04E-04	1.90E-04	1.04E-05	1.61E-05	3.11E-05	1.56E-06	1.57E-05	2.68E-05	1.98E-06	8.92E-06	1.48E-05	4.89E-07
2886	739800.84	4109919.11	9.97E-05	1.82E-04	9.98E-06	1.55E-05	2.98E-05	1.50E-06	1.50E-05	2.56E-05	1.90E-06	8.54E-06	1.41E-05	4.69E-07
2887	739793.49	4109877.45	9.57E-05	1.74E-04	9.57E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
2888	739786.13	4109835.8	9.22E-05	1.68E-04	9.22E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.76E-06	7.90E-06	1.31E-05	4.33E-07
2889	739778.78	4109794.14	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.19E-07
2890	739771.42	4109752.49	8.71E-05	1.59E-04	8.71E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.46E-06	1.23E-05	4.09E-07
2891	739764.07	4109710.83	8.56E-05	1.56E-04	8.57E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.20E-05	1.63E-06	7.34E-06	1.21E-05	4.02E-07
2892	739756.71	4109669.18	8.49E-05	1.55E-04	8.49E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
2893	739749.36	4109627.52	8.46E-05	1.54E-04	8.47E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.17E-05	1.61E-06	7.25E-06	1.20E-05	3.98E-07
2894	739742	4109585.87	8.47E-05	1.54E-04	8.47E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.25E-06	1.20E-05	3.98E-07
2895	739734.65	4109544.22	8.48E-05	1.55E-04	8.48E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.98E-07
2896	739727.29	4109502.56	8.47E-05	1.54E-04	8.48E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.26E-06	1.20E-05	3.98E-07
2897	739719.94	4109460.91	8.43E-05	1.54E-04	8.44E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.23E-06	1.20E-05	3.96E-07
2898	739724.67	4109401.9	8.36E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.19E-05	3.93E-07
2899	739748.84	4109367.19	8.34E-05	1.52E-04	8.35E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.15E-06	1.18E-05	3.92E-07
2900	739773.01	4109332.47	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
2901	739797.18	4109297.76	8.09E-05	1.47E-04	8.10E-06	1.25E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.93E-06	1.15E-05	3.80E-07
2902	739821.36	4109263.05	7.86E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
2903	739845.53	4109228.34	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
2904	739869.7	4109193.63	7.26E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.09E-05	1.87E-05	1.38E-06	6.22E-06	1.03E-05	3.41E-07
2905	739893.87	4109158.92	6.93E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.94E-06	9.82E-06	3.26E-07
2906	739918.05	4109124.21	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
2907	739942.22	4109089.49	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.42E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07

2908	739966.39	4109054.78	5.99E-05	1.09E-04	5.99E-06	9.29E-06	1.79E-05	8.99E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.81E-07
2909	739990.56	4109020.07	5.72E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
2910	740014.74	4108985.36	5.48E-05	9.99E-05	5.48E-06	8.50E-06	1.64E-05	8.23E-07	8.27E-06	1.41E-05	1.04E-06	4.70E-06	7.77E-06	2.58E-07
2911	740038.91	4108950.65	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
2912	740063.08	4108915.94	5.04E-05	9.18E-05	5.04E-06	7.81E-06	1.50E-05	7.56E-07	7.59E-06	1.29E-05	9.60E-07	4.32E-06	7.14E-06	2.37E-07
2913	740087.25	4108881.23	4.82E-05	8.78E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.27E-06	1.24E-05	9.18E-07	4.13E-06	6.83E-06	2.26E-07
2914	740111.43	4108846.51	4.60E-05	8.38E-05	4.60E-06	7.14E-06	1.37E-05	6.91E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
2915	740135.6	4108811.8	4.39E-05	7.99E-05	4.39E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
2916	740159.77	4108777.09	4.18E-05	7.62E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.96E-07	3.58E-06	5.93E-06	1.96E-07
2917	740183.94	4108742.38	3.99E-05	7.28E-05	4.00E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
2918	740208.12	4108707.67	3.84E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.79E-06	9.87E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07
2919	740232.29	4108672.96	3.72E-05	6.78E-05	3.73E-06	5.77E-06	1.11E-05	5.59E-07	5.61E-06	9.57E-06	7.09E-07	3.19E-06	5.28E-06	1.75E-07
2920	740256.46	4108638.25	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.51E-06	9.39E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
2921	740280.63	4108603.53	3.62E-05	6.60E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.46E-06	9.31E-06	6.90E-07	3.10E-06	5.13E-06	1.70E-07
2922	740304.8	4108568.82	3.63E-05	6.61E-05	3.63E-06	5.62E-06	1.08E-05	5.44E-07	5.47E-06	9.32E-06	6.91E-07	3.11E-06	5.14E-06	1.70E-07
2923	740328.98	4108534.11	3.66E-05	6.67E-05	3.66E-06	5.67E-06	1.09E-05	5.49E-07	5.52E-06	9.40E-06	6.97E-07	3.13E-06	5.19E-06	1.72E-07
2924	740353.15	4108499.4	3.71E-05	6.75E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.53E-06	7.06E-07	3.18E-06	5.25E-06	1.74E-07
2925	740377.32	4108464.69	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.65E-07	5.67E-06	9.67E-06	7.17E-07	3.22E-06	5.33E-06	1.77E-07
2926	740401.49	4108429.98	3.82E-05	6.95E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.75E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
2927	740425.67	4108395.27	3.86E-05	7.03E-05	3.86E-06	5.99E-06	1.15E-05	5.79E-07	5.82E-06	9.92E-06	7.36E-07	3.31E-06	5.47E-06	1.81E-07
2928	740449.84	4108360.55	3.89E-05	7.08E-05	3.89E-06	6.03E-06	1.16E-05	5.83E-07	5.86E-06	9.99E-06	7.41E-07	3.33E-06	5.51E-06	1.83E-07
2929	740474.01	4108325.84	3.90E-05	7.10E-05	3.90E-06	6.04E-06	1.16E-05	5.85E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
2930	740498.18	4108291.13	3.88E-05	7.08E-05	3.89E-06	6.02E-06	1.16E-05	5.83E-07	5.86E-06	9.99E-06	7.40E-07	3.33E-06	5.51E-06	1.83E-07
2931	740522.36	4108256.42	3.85E-05	7.02E-05	3.86E-06	5.98E-06	1.15E-05	5.78E-07	5.81E-06	9.91E-06	7.34E-07	3.30E-06	5.46E-06	1.81E-07
2932	740546.53	4108221.71	3.80E-05	6.93E-05	3.81E-06	5.90E-06	1.14E-05	5.71E-07	5.73E-06	9.78E-06	7.25E-07	3.26E-06	5.39E-06	1.79E-07
2933	740570.7	4108187	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
2934	740594.87	4108152.28	3.64E-05	6.64E-05	3.64E-06	5.65E-06	1.09E-05	5.47E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
2935	740619.05	4108117.57	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2936	740643.22	4108082.86	3.42E-05	6.22E-05	3.42E-06	5.30E-06	1.02E-05	5.13E-07	5.15E-06	8.78E-06	6.51E-07	2.93E-06	4.84E-06	1.61E-07
2937	740667.39	4108048.15	3.29E-05	5.99E-05	3.29E-06	5.10E-06	9.82E-06	4.93E-07	4.96E-06	8.45E-06	6.26E-07	2.82E-06	4.66E-06	1.54E-07
2938	740691.56	4108013.44	3.16E-05	5.76E-05	3.16E-06	4.90E-06	9.44E-06	4.74E-07	4.76E-06	8.12E-06	6.02E-07	2.71E-06	4.48E-06	1.48E-07
2939	740029.27	4111165.91	8.61E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.38E-06	1.22E-05	4.05E-07
2940	740052.16	4111201.9	8.68E-05	1.58E-04	8.68E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.08E-07
2941	739676.58	4111341.6	6.76E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.58E-06	3.18E-07
2942	739669.19	4111299.76	6.78E-05	1.24E-04	6.78E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.61E-06	3.19E-07
2943	739661.8	4111257.92	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
2944	739654.42	4111216.08	6.80E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.64E-06	3.20E-07
2945	739647.03	4111174.24	6.80E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
2946	739639.64	4111132.4	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
2947	739632.25	4111090.55	6.82E-05	1.24E-04	6.83E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.85E-06	9.68E-06	3.21E-07
2948	739624.86	4111048.71	6.86E-05	1.25E-04	6.86E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.87E-06	9.72E-06	3.22E-07
2949	739617.47	4111006.87	6.90E-05	1.26E-04	6.91E-06	1.07E-05	2.06E-05	1.04E-06	1.04E-05	1.77E-05	1.32E-06	5.92E-06	9.79E-06	3.24E-07
2950	739610.09	4110965.03	6.96E-05	1.27E-04	6.97E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.97E-06	9.87E-06	3.27E-07
2951	739602.7	4110923.19	7.03E-05	1.28E-04	7.03E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.81E-05	1.34E-06	6.02E-06	9.97E-06	3.30E-07
2952	739595.31	4110881.35	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.01E-05	3.33E-07
2953	739587.92	4110839.51	7.14E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.12E-06	1.01E-05	3.35E-07
2954	739580.53	4110797.67	7.18E-05	1.31E-04	7.18E-06	1.11E-05	2.14E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.15E-06	1.02E-05	3.37E-07
2955	739573.14	4110755.83	7.23E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
2956	739565.76	4110713.98	7.30E-05	1.33E-04	7.30E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.43E-07
2957	739558.37	4110672.14	7.42E-05	1.35E-04	7.43E-06	1.15E-05	2.22E-05	1.11E-06	1.12E-05	1.91E-05	1.41E-06	6.36E-06	1.05E-05	3.49E-07
2958	739550.98	4110630.3	7.61E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
2959	739543.59	4110588.46	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
2960	739536.2	4110546.62	8.20E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
2961	739528.81	4110504.78	8.57E-05	1.56E-04	8.58E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.20E-05	1.63E-06	7.34E-06	1.22E-05	4.03E-07
2962	739521.43	4110462.94	8.97E-05	1.63E-04	8.97E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.68E-06	1.27E-05	4.21E-07
2963	739514.04	4110421.1	9.35E-05	1.70E-04	9.35E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.01E-06	1.33E-05	4.39E-07
2964	739506.65	4110379.26	9.66E-05	1.76E-04	9.67E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.48E-05	1.84E-06	8.28E-06	1.37E-05	4.54E-07
2965	739499.26	4110337.41	9.89E-05	1.80E-04	9.89E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.47E-06	1.40E-05	4.65E-07
2966	739491.87	4110295.57	9.99E-05	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.70E-07
2967	739484.48	4110253.73	9.99E-05	1.82E-04	9.99E-06	1.55E-05	2.98E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.69E-07
2968	739477.1	4110211.89	9.87E-05	1.80E-04	9.88E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.46E-06	1.40E-05	4.64E-07
2969	739469.71	4110170.05	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.54E-07
2970	739462.32	4110128.21	9.41E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
2971	739454.93	4110086.37	9.11E-05	1.66E-04	9.11E-06	1.41E-05	2.72E-05	1.37E-06	1.37E-05	2.34E-05	1.74E-06	7.81E-06	1.29E-05	4.28E-07
2972	739447.54	4110044.53	8.80E-05	1.60E-04	8.80E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
2973	739440.15	4110002.69	8.48E-05	1.55E-04	8.49E-06	1.32E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
2974	739432.77	4109960.84	8.16E-05	1.49E-04	8.17E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.00E-06	1.16E-05	3.84E-07
2975	739425.38	4109919	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
2976	739417.99	4109877.16	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
2977	739410.6	4109835.32	7.31E-05	1.33E-04	7.31E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.44E-07
2978	739403.21	4109793.48	7.08E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07

2979	739395.82	4109751.64	6.89E-05	1.26E-04	6.90E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.91E-06	9.77E-06	3.24E-07
2980	739388.44	4109709.8	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
2981	739381.05	4109667.96	6.65E-05	1.21E-04	6.65E-06	1.03E-05	1.99E-05	9.98E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.12E-07
2982	739373.66	4109626.12	6.59E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.89E-07	9.94E-06	1.69E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
2983	739366.27	4109584.27	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
2984	739358.88	4109542.43	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
2985	739351.49	4109500.59	6.61E-05	1.20E-04	6.61E-06	1.03E-05	1.97E-05	9.92E-07	9.97E-06	1.70E-05	1.26E-06	5.66E-06	9.37E-06	3.11E-07
2986	739344.11	4109458.75	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.69E-06	9.41E-06	3.12E-07
2987	739336.72	4109416.91	6.65E-05	1.21E-04	6.65E-06	1.03E-05	1.99E-05	9.98E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
2988	739329.33	4109375.07	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.41E-06	3.12E-07
2989	739334.08	4109315.79	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
2990	739358.36	4109280.93	6.62E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.67E-06	9.39E-06	3.11E-07
2991	739382.64	4109246.06	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
2992	739406.92	4109211.19	6.49E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.79E-06	1.67E-05	1.24E-06	5.57E-06	9.21E-06	3.05E-07
2993	739431.2	4109176.33	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
2994	739455.48	4109141.46	6.20E-05	1.13E-04	6.20E-06	9.61E-06	1.85E-05	9.30E-07	9.34E-06	1.59E-05	1.18E-06	5.31E-06	8.78E-06	2.91E-07
2995	739479.77	4109106.59	5.99E-05	1.09E-04	6.00E-06	9.29E-06	1.79E-05	9.00E-07	9.04E-06	1.54E-05	1.14E-06	5.14E-06	8.50E-06	2.82E-07
2996	739504.05	4109071.72	5.77E-05	1.05E-04	5.77E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.94E-06	8.18E-06	2.71E-07
2997	739528.33	4109036.86	5.53E-05	1.01E-04	5.53E-06	8.58E-06	1.65E-05	8.30E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.84E-06	2.60E-07
2998	739552.61	4109001.99	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
2999	739576.89	4108967.12	5.06E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
3000	739601.17	4108932.26	4.84E-05	8.82E-05	4.84E-06	7.50E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
3001	739625.45	4108897.39	4.64E-05	8.46E-05	4.65E-06	7.20E-06	1.39E-05	6.97E-07	7.00E-06	1.19E-05	8.85E-07	3.98E-06	6.58E-06	2.18E-07
3002	739649.73	4108862.52	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
3003	739674.01	4108827.66	4.31E-05	7.86E-05	4.31E-06	6.69E-06	1.29E-05	6.47E-07	6.50E-06	1.11E-05	8.22E-07	3.69E-06	6.11E-06	2.03E-07
3004	739698.29	4108792.79	4.17E-05	7.60E-05	4.17E-06	6.46E-06	1.25E-05	6.26E-07	6.29E-06	1.07E-05	7.94E-07	3.57E-06	5.91E-06	1.96E-07
3005	739722.57	4108757.92	4.03E-05	7.34E-05	4.03E-06	6.25E-06	1.20E-05	6.05E-07	6.08E-06	1.04E-05	7.68E-07	3.45E-06	5.71E-06	1.89E-07
3006	739746.85	4108723.05	3.89E-05	7.09E-05	3.89E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
3007	739771.13	4108688.19	3.75E-05	6.83E-05	3.75E-06	5.81E-06	1.12E-05	5.63E-07	5.65E-06	9.64E-06	7.15E-07	3.21E-06	5.32E-06	1.76E-07
3008	739795.42	4108653.32	3.60E-05	6.56E-05	3.60E-06	5.59E-06	1.08E-05	5.41E-07	5.43E-06	9.26E-06	6.86E-07	3.09E-06	5.11E-06	1.69E-07
3009	739819.7	4108618.45	3.45E-05	6.28E-05	3.45E-06	5.35E-06	1.03E-05	5.17E-07	5.20E-06	8.86E-06	6.57E-07	2.95E-06	4.89E-06	1.62E-07
3010	739843.98	4108583.59	3.30E-05	6.01E-05	3.30E-06	5.11E-06	9.85E-06	4.95E-07	4.97E-06	8.47E-06	6.28E-07	2.82E-06	4.67E-06	1.55E-07
3011	739868.26	4108548.72	3.15E-05	5.75E-05	3.16E-06	4.89E-06	9.42E-06	4.73E-07	4.76E-06	8.11E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
3012	739892.54	4108513.85	3.03E-05	5.52E-05	3.03E-06	4.69E-06	9.04E-06	4.54E-07	4.56E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
3013	739916.82	4108478.98	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.74E-06	4.39E-07	4.41E-06	7.52E-06	5.57E-07	2.51E-06	4.15E-06	1.37E-07
3014	739941.1	4108444.12	2.85E-05	5.20E-05	2.85E-06	4.42E-06	8.52E-06	4.28E-07	4.30E-06	7.33E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
3015	739965.38	4108409.25	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
3016	739989.66	4108374.38	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
3017	740013.94	4108339.52	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
3018	740038.22	4108304.65	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.02E-06	1.33E-07
3019	740062.5	4108269.78	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.61E-06	4.32E-07	4.34E-06	7.41E-06	5.49E-07	2.47E-06	4.08E-06	1.35E-07
3020	740086.78	4108234.92	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
3021	740111.07	4108200.05	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.89E-06	4.46E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
3022	740135.35	4108165.18	3.02E-05	5.50E-05	3.02E-06	4.68E-06	9.01E-06	4.53E-07	4.55E-06	7.75E-06	5.75E-07	2.58E-06	4.28E-06	1.42E-07
3023	740159.63	4108130.31	3.05E-05	5.55E-05	3.05E-06	4.73E-06	9.10E-06	4.57E-07	4.59E-06	7.83E-06	5.81E-07	2.61E-06	4.32E-06	1.43E-07
3024	740183.91	4108095.45	3.07E-05	5.59E-05	3.07E-06	4.75E-06	9.16E-06	4.60E-07	4.62E-06	7.88E-06	5.84E-07	2.63E-06	4.35E-06	1.44E-07
3025	740208.19	4108060.58	3.07E-05	5.60E-05	3.08E-06	4.77E-06	9.19E-06	4.61E-07	4.64E-06	7.90E-06	5.86E-07	2.63E-06	4.36E-06	1.44E-07
3026	740232.47	4108025.71	3.07E-05	5.60E-05	3.07E-06	4.76E-06	9.18E-06	4.61E-07	4.63E-06	7.90E-06	5.85E-07	2.63E-06	4.35E-06	1.44E-07
3027	740256.75	4107990.85	3.06E-05	5.57E-05	3.06E-06	4.74E-06	9.14E-06	4.59E-07	4.61E-06	7.86E-06	5.83E-07	2.62E-06	4.34E-06	1.44E-07
3028	740281.03	4107955.98	3.03E-05	5.53E-05	3.04E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
3029	740305.31	4107921.11	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
3030	740329.59	4107886.25	2.95E-05	5.38E-05	2.96E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3031	740353.87	4107851.38	2.90E-05	5.28E-05	2.90E-06	4.49E-06	8.65E-06	4.35E-07	4.37E-06	7.45E-06	5.52E-07	2.48E-06	4.11E-06	1.36E-07
3032	740378.15	4107816.51	2.83E-05	5.15E-05	2.83E-06	4.39E-06	8.45E-06	4.25E-07	4.27E-06	7.27E-06	5.39E-07	2.42E-06	4.01E-06	1.33E-07
3033	740402.44	4107781.64	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.13E-07	4.15E-06	7.07E-06	5.24E-07	2.36E-06	3.90E-06	1.29E-07
3034	740426.72	4107746.78	2.66E-05	4.85E-05	2.66E-06	4.13E-06	7.95E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
3035	740451	4107711.91	2.57E-05	4.68E-05	2.57E-06	3.99E-06	7.68E-06	3.86E-07	3.88E-06	6.61E-06	4.90E-07	2.20E-06	3.64E-06	1.21E-07
3036	740475.28	4107677.04	2.47E-05	4.51E-05	2.48E-06	3.84E-06	7.39E-06	3.71E-07	3.73E-06	6.36E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3037	739691.72	4111380.52	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.59E-06	3.18E-07
3038	739714.6	4111416.51	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
3039	739339.01	4111556.14	5.50E-05	1.00E-04	5.51E-06	8.53E-06	1.64E-05	8.26E-07	8.30E-06	1.41E-05	1.05E-06	4.71E-06	7.80E-06	2.59E-07
3040	739331.6	4111514.16	5.53E-05	1.01E-04	5.53E-06	8.57E-06	1.65E-05	8.29E-07	8.33E-06	1.42E-05	1.05E-06	4.74E-06	7.83E-06	2.60E-07
3041	739324.19	4111472.18	5.54E-05	1.01E-04	5.55E-06	8.60E-06	1.66E-05	8.32E-07	8.36E-06	1.43E-05	1.06E-06	4.75E-06	7.86E-06	2.61E-07
3042	739316.78	4111430.2	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.34E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3043	739309.36	4111388.22	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3044	739301.95	4111346.24	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3045	739294.54	4111304.26	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.34E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3046	739287.12	4111262.28	5.56E-05	1.01E-04	5.57E-06	8.63E-06	1.66E-05	8.35E-07	8.39E-06	1.43E-05	1.06E-06	4.77E-06	7.89E-06	2.62E-07
3047	739279.71	4111220.3	5.58E-05	1.02E-04	5.58E-06	8.65E-06	1.67E-05	8.38E-07	8.42E-06	1.43E-05	1.06E-06	4.78E-06	7.91E-06	2.62E-07
3048	739272.3	4111178.32	5.61E-05	1.02E-04	5.61E-06	8.70E-06	1.68E-05	8.42E-07	8.46E-06	1.44E-05	1.07E-06	4.81E-06	7.95E-06	2.64E-07
3049	739264.88	4111136.33	5.65E-05	1.03E-04	5.65E-06	8.76E-06	1.69E-05	8.48E-07	8.52E-06	1.45E-05	1.08E-06	4.84E-06	8.01E-06	2.66E-07

3050	739257.47	4111094.35	5.70E-05	1.04E-04	5.70E-06	8.84E-06	1.70E-05	8.55E-07	8.59E-06	1.46E-05	1.09E-06	4.88E-06	8.08E-06	2.68E-07
3051	739250.06	4111052.37	5.75E-05	1.05E-04	5.75E-06	8.91E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.92E-06	8.15E-06	2.70E-07
3052	739242.65	4111010.39	5.79E-05	1.06E-04	5.80E-06	8.98E-06	1.73E-05	8.69E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.21E-06	2.72E-07
3053	739235.23	4110968.41	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	4.99E-06	8.26E-06	2.74E-07
3054	739227.82	4110926.43	5.85E-05	1.07E-04	5.86E-06	9.08E-06	1.75E-05	8.78E-07	8.82E-06	1.50E-05	1.12E-06	5.01E-06	8.30E-06	2.75E-07
3055	739220.41	4110884.45	5.87E-05	1.07E-04	5.88E-06	9.11E-06	1.75E-05	8.82E-07	8.86E-06	1.51E-05	1.12E-06	5.03E-06	8.33E-06	2.76E-07
3056	739212.99	4110842.47	5.91E-05	1.08E-04	5.91E-06	9.16E-06	1.76E-05	8.87E-07	8.91E-06	1.52E-05	1.13E-06	5.06E-06	8.37E-06	2.78E-07
3057	739205.58	4110800.49	5.96E-05	1.09E-04	5.96E-06	9.24E-06	1.78E-05	8.95E-07	8.99E-06	1.53E-05	1.14E-06	5.11E-06	8.45E-06	2.80E-07
3058	739198.17	4110758.51	6.05E-05	1.10E-04	6.06E-06	9.38E-06	1.81E-05	9.08E-07	9.13E-06	1.56E-05	1.15E-06	5.19E-06	8.58E-06	2.84E-07
3059	739190.75	4110716.53	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.78E-06	2.91E-07
3060	739183.34	4110674.55	6.38E-05	1.16E-04	6.38E-06	9.89E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
3061	739175.93	4110632.57	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
3062	739168.52	4110590.59	6.89E-05	1.26E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.77E-06	3.24E-07
3063	739161.1	4110548.6	7.18E-05	1.31E-04	7.19E-06	1.11E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.15E-06	1.02E-05	3.38E-07
3064	739153.69	4110506.62	7.48E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.41E-06	1.06E-05	3.51E-07
3065	739146.28	4110464.64	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
3066	739138.86	4110422.66	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.74E-07
3067	739131.45	4110380.68	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.81E-07
3068	739124.04	4110338.7	8.19E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
3069	739116.62	4110296.72	8.18E-05	1.49E-04	8.18E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.01E-06	1.16E-05	3.84E-07
3070	739109.21	4110254.74	8.09E-05	1.47E-04	8.09E-06	1.25E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.93E-06	1.15E-05	3.80E-07
3071	739101.8	4110212.76	7.94E-05	1.45E-04	7.95E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
3072	739094.39	4110170.78	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
3073	739086.97	4110128.8	7.53E-05	1.37E-04	7.53E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.43E-06	6.45E-06	1.07E-05	3.54E-07
3074	739079.56	4110086.82	7.30E-05	1.33E-04	7.31E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.43E-07
3075	739072.15	4110044.84	7.07E-05	1.29E-04	7.08E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.06E-06	1.00E-05	3.32E-07
3076	739064.73	4110002.85	6.84E-05	1.25E-04	6.85E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.86E-06	9.70E-06	3.22E-07
3077	739057.32	4109960.87	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.39E-06	3.11E-07
3078	739049.91	4109918.89	6.40E-05	1.17E-04	6.40E-06	9.93E-06	1.91E-05	9.61E-07	9.65E-06	1.65E-05	1.22E-06	5.48E-06	9.07E-06	3.01E-07
3079	739042.5	4109876.91	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
3080	739035.08	4109834.93	5.99E-05	1.09E-04	5.99E-06	9.29E-06	1.79E-05	8.99E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.82E-07
3081	739027.67	4109792.95	5.81E-05	1.06E-04	5.82E-06	9.01E-06	1.74E-05	8.72E-07	8.77E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
3082	739020.26	4109750.97	5.66E-05	1.03E-04	5.66E-06	8.77E-06	1.69E-05	8.49E-07	8.53E-06	1.45E-05	1.08E-06	4.85E-06	8.02E-06	2.66E-07
3083	739012.84	4109708.99	5.53E-05	1.01E-04	5.53E-06	8.57E-06	1.65E-05	8.30E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.84E-06	2.60E-07
3084	739005.43	4109667.01	5.43E-05	9.89E-05	5.43E-06	8.42E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.03E-06	4.65E-06	7.70E-06	2.55E-07
3085	738998.02	4109625.03	5.36E-05	9.77E-05	5.36E-06	8.31E-06	1.60E-05	8.05E-07	8.08E-06	1.38E-05	1.02E-06	4.59E-06	7.60E-06	2.52E-07
3086	738990.6	4109583.05	5.32E-05	9.70E-05	5.32E-06	8.25E-06	1.59E-05	7.99E-07	8.02E-06	1.37E-05	1.01E-06	4.56E-06	7.54E-06	2.50E-07
3087	738983.19	4109541.07	5.31E-05	9.67E-05	5.31E-06	8.23E-06	1.58E-05	7.96E-07	8.00E-06	1.36E-05	1.01E-06	4.55E-06	7.52E-06	2.49E-07
3088	738975.78	4109499.09	5.31E-05	9.68E-05	5.32E-06	8.24E-06	1.59E-05	7.98E-07	8.01E-06	1.37E-05	1.01E-06	4.55E-06	7.54E-06	2.50E-07
3089	738968.37	4109457.11	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
3090	738960.95	4109415.12	5.37E-05	9.79E-05	5.37E-06	8.33E-06	1.60E-05	8.06E-07	8.10E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
3091	738953.54	4109373.14	5.40E-05	9.84E-05	5.40E-06	8.37E-06	1.61E-05	8.10E-07	8.14E-06	1.39E-05	1.03E-06	4.63E-06	7.66E-06	2.54E-07
3092	738946.13	4109331.16	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
3093	738938.71	4109289.18	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
3094	738943.48	4109229.71	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
3095	738967.84	4109194.73	5.43E-05	9.89E-05	5.43E-06	8.42E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.03E-06	4.65E-06	7.70E-06	2.55E-07
3096	738992.2	4109159.74	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
3097	739016.57	4109124.76	5.37E-05	9.78E-05	5.37E-06	8.33E-06	1.60E-05	8.06E-07	8.10E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
3098	739040.93	4109089.78	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
3099	739065.29	4109054.79	5.19E-05	9.45E-05	5.19E-06	8.04E-06	1.55E-05	7.78E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.35E-06	2.44E-07
3100	739089.65	4109019.81	5.05E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
3101	739114.01	4108984.83	4.90E-05	8.93E-05	4.91E-06	7.60E-06	1.46E-05	7.36E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
3102	739138.38	4108949.84	4.74E-05	8.63E-05	4.74E-06	7.34E-06	1.41E-05	7.11E-07	7.14E-06	1.22E-05	9.03E-07	4.06E-06	6.72E-06	2.23E-07
3103	739162.74	4108914.86	4.56E-05	8.31E-05	4.56E-06	7.07E-06	1.36E-05	6.84E-07	6.87E-06	1.17E-05	8.69E-07	3.91E-06	6.46E-06	2.14E-07
3104	739187.1	4108879.88	4.38E-05	7.98E-05	4.38E-06	6.79E-06	1.31E-05	6.57E-07	6.60E-06	1.13E-05	8.34E-07	3.75E-06	6.21E-06	2.06E-07
3105	739211.46	4108844.89	4.20E-05	7.65E-05	4.20E-06	6.51E-06	1.25E-05	6.30E-07	6.33E-06	1.08E-05	8.00E-07	3.60E-06	5.95E-06	1.97E-07
3106	739235.82	4108809.91	4.03E-05	7.34E-05	4.03E-06	6.24E-06	1.20E-05	6.04E-07	6.07E-06	1.04E-05	7.67E-07	3.45E-06	5.71E-06	1.89E-07
3107	739260.18	4108774.93	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.81E-07	5.83E-06	9.95E-06	7.37E-07	3.32E-06	5.49E-06	1.82E-07
3108	739284.55	4108739.94	3.73E-05	6.79E-05	3.73E-06	5.78E-06	1.11E-05	5.60E-07	5.62E-06	9.58E-06	7.10E-07	3.19E-06	5.29E-06	1.75E-07
3109	739308.91	4108704.96	3.60E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.44E-06	9.27E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
3110	739333.27	4108669.98	3.50E-05	6.37E-05	3.50E-06	5.42E-06	1.05E-05	5.25E-07	5.27E-06	8.99E-06	6.67E-07	3.00E-06	4.96E-06	1.64E-07
3111	739357.63	4108634.99	3.40E-05	6.20E-05	3.40E-06	5.28E-06	1.02E-05	5.11E-07	5.13E-06	8.75E-06	6.48E-07	2.92E-06	4.82E-06	1.60E-07
3112	739381.99	4108600.01	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.89E-06	4.97E-07	4.99E-06	8.51E-06	6.31E-07	2.84E-06	4.69E-06	1.56E-07
3113	739406.36	4108565.03	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.86E-06	8.28E-06	6.14E-07	2.76E-06	4.57E-06	1.51E-07
3114	739430.72	4108530.04	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.34E-06	4.69E-07	4.71E-06	8.04E-06	5.96E-07	2.68E-06	4.43E-06	1.47E-07
3115	739455.08	4108495.06	3.03E-05	5.52E-05	3.03E-06	4.69E-06	9.04E-06	4.54E-07	4.56E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
3116	739479.44	4108460.08	2.92E-05	5.32E-05	2.92E-06	4.53E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
3117	739503.8	4108425.09	2.81E-05	5.11E-05	2.81E-06	4.35E-06	8.38E-06	4.21E-07	4.23E-06	7.21E-06	5.35E-07	2.40E-06	3.98E-06	1.32E-07
3118	739528.16	4108390.11	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.81E-06	1.26E-07
3119	739552.53	4108355.13	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.70E-06	3.87E-07	3.89E-06	6.63E-06	4.91E-07	2.21E-06	3.66E-06	1.21E-07
3120	739576.89	4108320.14	2.48E-05	4.51E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.73E-06	6.36E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07

3121	739601.25	4108285.16	2.39E-05	4.35E-05	2.39E-06	3.70E-06	7.13E-06	3.58E-07	3.60E-06	6.14E-06	4.55E-07	2.05E-06	3.39E-06	1.12E-07
3122	739625.61	4108250.18	2.32E-05	4.22E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
3123	739649.97	4108215.19	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.78E-06	3.41E-07	3.42E-06	5.84E-06	4.33E-07	1.95E-06	3.22E-06	1.07E-07
3124	739674.34	4108180.21	2.25E-05	4.09E-05	2.25E-06	3.48E-06	6.71E-06	3.37E-07	3.39E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.06E-07
3125	739698.7	4108145.23	2.24E-05	4.08E-05	2.24E-06	3.47E-06	6.69E-06	3.36E-07	3.38E-06	5.76E-06	4.27E-07	1.92E-06	3.18E-06	1.05E-07
3126	739723.06	4108110.24	2.25E-05	4.11E-05	2.26E-06	3.50E-06	6.73E-06	3.38E-07	3.40E-06	5.79E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
3127	739747.42	4108075.26	2.28E-05	4.16E-05	2.28E-06	3.54E-06	6.81E-06	3.42E-07	3.44E-06	5.86E-06	4.35E-07	1.95E-06	3.23E-06	1.07E-07
3128	739771.78	4108040.28	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.48E-07	3.49E-06	5.95E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
3129	739796.14	4108005.29	2.36E-05	4.29E-05	2.36E-06	3.65E-06	7.04E-06	3.54E-07	3.55E-06	6.06E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
3130	739820.51	4107970.31	2.40E-05	4.37E-05	2.40E-06	3.72E-06	7.16E-06	3.60E-07	3.61E-06	6.16E-06	4.57E-07	2.05E-06	3.40E-06	1.13E-07
3131	739844.87	4107935.32	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.26E-06	3.65E-07	3.67E-06	6.25E-06	4.63E-07	2.08E-06	3.45E-06	1.14E-07
3132	739869.23	4107900.34	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.35E-06	3.69E-07	3.71E-06	6.32E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
3133	739893.59	4107865.36	2.48E-05	4.52E-05	2.48E-06	3.85E-06	7.41E-06	3.72E-07	3.74E-06	6.38E-06	4.73E-07	2.13E-06	3.52E-06	1.17E-07
3134	739917.95	4107830.37	2.49E-05	4.55E-05	2.50E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07
3135	739942.32	4107795.39	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.43E-06	4.76E-07	2.14E-06	3.54E-06	1.17E-07
3136	739966.68	4107760.41	2.50E-05	4.55E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.42E-06	4.76E-07	2.14E-06	3.54E-06	1.17E-07
3137	739991.04	4107725.42	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.44E-06	3.74E-07	3.76E-06	6.40E-06	4.75E-07	2.13E-06	3.53E-06	1.17E-07
3138	740015.4	4107690.44	2.48E-05	4.52E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.74E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3139	740039.76	4107655.46	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.35E-06	3.69E-07	3.71E-06	6.32E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
3140	740064.12	4107620.47	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.15E-07
3141	740088.49	4107585.49	2.41E-05	4.39E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.19E-06	4.59E-07	2.06E-06	3.41E-06	1.13E-07
3142	740112.85	4107550.51	2.37E-05	4.32E-05	2.37E-06	3.67E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
3143	740137.21	4107515.52	2.32E-05	4.24E-05	2.33E-06	3.60E-06	6.94E-06	3.49E-07	3.50E-06	5.97E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
3144	740161.57	4107480.54	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.79E-06	3.41E-07	3.43E-06	5.84E-06	4.33E-07	1.95E-06	3.22E-06	1.07E-07
3145	740185.93	4107445.56	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.61E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
3146	740210.29	4107410.57	2.15E-05	3.91E-05	2.15E-06	3.33E-06	6.42E-06	3.22E-07	3.24E-06	5.52E-06	4.09E-07	1.84E-06	3.05E-06	1.01E-07
3147	740234.66	4107375.59	2.08E-05	3.79E-05	2.08E-06	3.22E-06	6.21E-06	3.12E-07	3.13E-06	5.34E-06	3.96E-07	1.78E-06	2.95E-06	9.77E-08
3148	740259.02	4107340.61	2.01E-05	3.66E-05	2.01E-06	3.11E-06	6.00E-06	3.01E-07	3.03E-06	5.16E-06	3.82E-07	1.72E-06	2.85E-06	9.43E-08
3149	739354.16	4111595.13	5.50E-05	1.00E-04	5.51E-06	8.54E-06	1.64E-05	8.26E-07	8.30E-06	1.42E-05	1.05E-06	4.72E-06	7.81E-06	2.59E-07
3150	739377.05	4111631.12	5.53E-05	1.01E-04	5.54E-06	8.58E-06	1.65E-05	8.31E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.85E-06	2.60E-07
3151	741983.3	4109969.55	2.02E-02	3.68E-02	2.02E-03	3.13E-03	6.03E-03	3.03E-04	3.04E-03	5.18E-03	3.84E-04	1.73E-03	2.86E-03	9.48E-05
3152	741969.79	4109948.52	1.81E-02	3.29E-02	1.81E-03	2.80E-03	5.40E-03	2.71E-04	2.73E-03	4.65E-03	3.45E-04	1.55E-03	2.56E-03	8.50E-05
3153	741956.96	4109930.17	1.44E-02	2.63E-02	1.44E-03	2.24E-03	4.31E-03	2.17E-04	2.18E-03	3.71E-03	2.75E-04	1.24E-03	2.05E-03	6.79E-05
3154	741881.9	4109826.95	2.03E-03	3.71E-03	2.03E-04	3.15E-04	6.08E-04	3.05E-05	3.07E-04	5.23E-04	3.88E-05	1.74E-04	2.88E-04	9.56E-06
3155	741854.89	4109784.88	1.32E-03	2.41E-03	1.32E-04	2.05E-04	3.95E-04	1.98E-05	1.99E-04	3.40E-04	2.52E-05	1.13E-04	1.88E-04	6.21E-06
3156	741827.87	4109742.8	9.40E-04	1.71E-03	9.40E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.42E-04	1.79E-05	8.05E-05	1.33E-04	4.42E-06
3157	741798.74	4109761.51	9.79E-04	1.78E-03	9.79E-05	1.52E-04	2.92E-04	1.47E-05	1.48E-04	2.52E-04	1.87E-05	8.39E-05	1.39E-04	4.60E-06
3158	741773.84	4109658.66	5.60E-04	1.02E-03	5.60E-05	8.68E-05	1.67E-04	8.40E-06	8.44E-05	1.44E-04	1.07E-05	4.80E-05	7.94E-05	2.63E-06
3159	741744.71	4109677.36	5.73E-04	1.04E-03	5.74E-05	8.89E-05	1.71E-04	8.61E-06	8.65E-05	1.47E-04	1.09E-05	4.91E-05	8.13E-05	2.69E-06
3160	741719.81	4109574.51	3.81E-04	6.95E-04	3.82E-05	5.92E-05	1.14E-04	5.72E-06	5.75E-05	9.81E-05	7.27E-06	3.27E-05	5.41E-05	1.79E-06
3161	741690.68	4109593.22	3.87E-04	7.06E-04	3.87E-05	6.00E-05	1.16E-04	5.81E-06	5.84E-05	9.95E-05	7.38E-06	3.32E-05	5.49E-05	1.82E-06
3162	741665.78	4109490.36	2.81E-04	5.13E-04	2.82E-05	4.36E-05	8.40E-05	4.22E-06	4.24E-05	7.23E-05	5.36E-06	2.41E-05	3.99E-05	1.32E-06
3163	741636.64	4109509.07	2.85E-04	5.20E-04	2.85E-05	4.42E-05	8.52E-05	4.28E-06	4.30E-05	7.33E-05	5.43E-06	2.44E-05	4.04E-05	1.34E-06
3164	741611.75	4109406.22	2.19E-04	3.98E-04	2.19E-05	3.39E-05	6.53E-05	3.28E-06	3.30E-05	5.62E-05	4.17E-06	1.87E-05	3.10E-05	1.03E-06
3165	741582.61	4109424.92	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.33E-06	3.34E-05	5.70E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
3166	741518.25	4109228.57	1.45E-04	2.63E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
3167	741489.12	4109247.28	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.92E-07
3168	741410.19	4109060.28	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.13E-05	1.57E-06	1.58E-05	2.69E-05	2.00E-06	8.98E-06	1.49E-05	4.93E-07
3169	741381.06	4109078.98	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.03E-07
3170	741302.13	4108891.98	8.02E-05	1.46E-04	8.02E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
3171	741272.99	4108910.69	8.21E-05	1.50E-04	8.22E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.04E-06	1.16E-05	3.86E-07
3172	741194.07	4108723.69	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
3173	741164.93	4108742.4	6.53E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.80E-07	9.85E-06	1.68E-05	1.24E-06	5.60E-06	9.26E-06	3.07E-07
3174	740977.94	4108387.1	4.36E-05	7.94E-05	4.36E-06	6.76E-06	1.30E-05	6.54E-07	6.57E-06	1.12E-05	8.30E-07	3.73E-06	6.18E-06	2.05E-07
3175	740948.81	4108405.81	4.47E-05	8.15E-05	4.47E-06	6.94E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
3176	740761.82	4108050.52	3.21E-05	5.86E-05	3.22E-06	4.98E-06	9.60E-06	4.82E-07	4.85E-06	8.26E-06	6.12E-07	2.75E-06	4.56E-06	1.51E-07
3177	740732.68	4108069.22	3.30E-05	6.01E-05	3.30E-06	5.12E-06	9.86E-06	4.95E-07	4.98E-06	8.48E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
3178	740545.69	4107713.93	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.43E-06	4.77E-07	2.14E-06	3.55E-06	1.18E-07
3179	740516.56	4107732.64	2.57E-05	4.68E-05	2.57E-06	3.98E-06	7.67E-06	3.85E-07	3.87E-06	6.60E-06	4.89E-07	2.20E-06	3.64E-06	1.21E-07
3180	740329.57	4107377.34	2.02E-05	3.68E-05	2.02E-06	3.13E-06	6.03E-06	3.03E-07	3.04E-06	5.19E-06	3.85E-07	1.73E-06	2.86E-06	9.49E-08
3181	740300.44	4107396.05	2.07E-05	3.77E-05	2.07E-06	3.21E-06	6.18E-06	3.11E-07	3.12E-06	5.32E-06	3.94E-07	1.77E-06	2.93E-06	9.72E-08
3182	741990.48	4109983.24	2.09E-02	3.81E-02	2.09E-03	3.24E-03	6.25E-03	3.14E-04	3.15E-03	5.37E-03	3.98E-04	1.79E-03	2.96E-03	9.83E-05
3183	743559.57	4108987.29	1.60E-04	2.92E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.12E-05	3.05E-06	1.37E-05	2.27E-05	7.52E-07
3184	743536.45	4108951.29	1.58E-04	2.88E-04	1.58E-05	2.46E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.24E-05	7.44E-07
3185	743513.34	4108915.3	1.55E-04	2.83E-04	1.55E-05	2.41E-05	4.64E-05	2.33E-06	2.34E-05	3.99E-05	2.96E-06	1.33E-05	2.20E-05	7.30E-07
3186	743896.14	4108771.15	1.16E-04	2.11E-04	1.16E-05	1.79E-05	3.45E-05	1.74E-06	1.74E-05	2.97E-05	2.20E-06	9.91E-06	1.64E-05	5.43E-07
3187	743873.03	4108735.15	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.84E-06	1.63E-05	5.39E-07
3188	743849.91	4108699.16	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.71E-06	1.61E-05	5.32E-07
3189	744232.72	4108555.01	8.93E-05	1.63E-04	8.94E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
3190	744209.6	4108519.01	8.88E-05	1.62E-04	8.89E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.61E-06	1.26E-05	4.17E-07
3191	744186.49	4108483.02	8.80E-05	1.60E-04	8.81E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07

3192	744569.3	4108338.87	7.23E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
3193	744546.18	4108302.87	7.20E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.17E-06	1.02E-05	3.39E-07
3194	744523.07	4108266.88	7.15E-05	1.30E-04	7.16E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.13E-06	1.01E-05	3.36E-07
3195	741844.75	4109956.74	5.92E-03	1.08E-02	5.92E-04	9.18E-04	1.77E-03	8.88E-05	8.92E-04	1.52E-03	1.13E-04	5.07E-04	8.39E-04	2.78E-05
3196	741799.11	4109926.51	3.08E-03	5.61E-03	3.08E-04	4.78E-04	9.21E-04	4.62E-05	4.65E-04	7.92E-04	5.87E-05	2.64E-04	4.37E-04	1.45E-05
3197	741879.74	4109854.25	2.60E-03	4.74E-03	2.60E-04	4.04E-04	7.77E-04	3.91E-05	3.92E-04	6.69E-04	4.96E-05	2.23E-04	3.69E-04	1.22E-05
3198	741785.7	4109905.41	2.45E-03	4.47E-03	2.46E-04	3.81E-04	7.33E-04	3.68E-05	3.70E-04	6.31E-04	4.68E-05	2.10E-04	3.48E-04	1.15E-05
3199	741852.92	4109812.06	1.61E-03	2.94E-03	1.61E-04	2.50E-04	4.81E-04	2.42E-05	2.43E-04	4.14E-04	3.07E-05	1.38E-04	2.28E-04	7.57E-06
3200	741740.06	4109875.17	1.67E-03	3.05E-03	1.67E-04	2.59E-04	5.00E-04	2.51E-05	2.52E-04	4.30E-04	3.19E-05	1.43E-04	2.37E-04	7.86E-06
3201	741828.78	4109769.39	1.11E-03	2.02E-03	1.11E-04	1.72E-04	3.31E-04	1.66E-05	1.67E-04	2.85E-04	2.11E-05	9.49E-05	1.57E-04	5.20E-06
3202	741871.73	4109761.81	1.18E-03	2.16E-03	1.18E-04	1.84E-04	3.54E-04	1.78E-05	1.78E-04	3.04E-04	2.26E-05	1.01E-04	1.68E-04	5.56E-06
3203	741843.12	4109719.93	8.58E-04	1.56E-03	8.58E-05	1.33E-04	2.56E-04	1.29E-05	1.29E-04	2.20E-04	1.63E-05	7.35E-05	1.22E-04	4.03E-06
3204	742020.58	4109734.17	1.51E-03	2.74E-03	1.51E-04	2.34E-04	4.50E-04	2.26E-05	2.27E-04	3.87E-04	2.87E-05	1.29E-04	2.13E-04	7.08E-06
3205	741815.15	4109677.93	6.57E-04	1.20E-03	6.58E-05	1.02E-04	1.96E-04	9.86E-06	9.91E-05	1.69E-04	1.25E-05	5.63E-05	9.32E-05	3.09E-06
3206	741958.65	4109652.6	7.73E-04	1.41E-03	7.73E-05	1.20E-04	2.31E-04	1.16E-05	1.17E-04	1.99E-04	1.47E-05	6.62E-05	1.10E-04	3.63E-06
3207	741734.84	4109700.75	6.26E-04	1.14E-03	6.27E-05	9.72E-05	1.87E-04	9.40E-06	9.45E-05	1.61E-04	1.19E-05	5.37E-05	8.88E-05	2.94E-06
3208	741697.22	4109724.67	6.69E-04	1.22E-03	6.70E-05	1.04E-04	2.00E-04	1.00E-05	1.01E-04	1.72E-04	1.28E-05	5.74E-05	9.49E-05	3.15E-06
3209	741659.59	4109748.59	7.15E-04	1.30E-03	7.15E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.84E-04	1.36E-05	6.12E-05	1.01E-04	3.36E-06
3210	741764.43	4109593.02	4.32E-04	7.88E-04	4.32E-05	6.70E-05	1.29E-04	6.49E-06	6.52E-05	1.11E-04	8.24E-06	3.70E-05	6.13E-05	2.03E-06
3211	741807.38	4109585.44	4.46E-04	8.12E-04	4.46E-05	6.91E-05	1.33E-04	6.69E-06	6.72E-05	1.15E-04	8.49E-06	3.82E-05	6.32E-05	2.09E-06
3212	741850.33	4109577.86	4.59E-04	8.37E-04	4.59E-05	7.12E-05	1.37E-04	6.89E-06	6.92E-05	1.18E-04	8.75E-06	3.93E-05	6.51E-05	2.16E-06
3213	741893.28	4109570.28	4.77E-04	8.69E-04	4.77E-05	7.39E-05	1.42E-04	7.16E-06	7.19E-05	1.23E-04	9.09E-06	4.09E-05	6.76E-05	2.24E-06
3214	742108.02	4109626.11	9.11E-04	1.66E-03	9.12E-05	1.41E-04	2.72E-04	1.37E-05	1.37E-04	2.34E-04	1.74E-05	7.81E-05	1.29E-04	4.28E-06
3215	741681.2	4109616.35	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.86E-06	3.53E-05	5.85E-05	1.94E-06
3216	741643.57	4109640.27	4.31E-04	7.85E-04	4.31E-05	6.68E-05	1.29E-04	6.46E-06	6.49E-05	1.11E-04	8.21E-06	3.69E-05	6.11E-05	2.02E-06
3217	741605.94	4109664.19	4.56E-04	8.32E-04	4.57E-05	7.08E-05	1.36E-04	6.85E-06	6.88E-05	1.17E-04	8.70E-06	3.91E-05	6.47E-05	2.15E-06
3218	741667.24	4109516.32	3.02E-04	5.50E-04	3.02E-05	4.68E-05	9.01E-05	4.53E-06	4.55E-05	7.75E-05	5.75E-06	2.58E-05	4.28E-05	1.42E-06
3219	741709	4109508.95	3.10E-04	5.65E-04	3.10E-05	4.81E-05	9.26E-05	4.65E-06	4.67E-05	7.97E-05	5.91E-06	2.66E-05	4.40E-05	1.46E-06
3220	741750.75	4109501.58	3.16E-04	5.77E-04	3.17E-05	4.91E-05	9.45E-05	4.75E-06	4.77E-05	8.13E-05	6.03E-06	2.71E-05	4.49E-05	1.49E-06
3221	741792.51	4109494.21	3.23E-04	5.89E-04	3.23E-05	5.01E-05	9.65E-05	4.85E-06	4.87E-05	8.30E-05	6.16E-06	2.77E-05	4.58E-05	1.52E-06
3222	741834.27	4109486.84	3.32E-04	6.05E-04	3.32E-05	5.15E-05	9.91E-05	4.98E-06	5.00E-05	8.53E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
3223	742074.37	4109490.02	4.67E-04	8.51E-04	4.67E-05	7.24E-05	1.40E-04	7.01E-06	7.04E-05	1.20E-04	8.90E-06	4.00E-05	6.62E-05	2.19E-06
3224	742109.16	4109514.26	5.36E-04	9.77E-04	5.36E-05	8.31E-05	1.60E-04	8.05E-06	8.09E-05	1.38E-04	1.02E-05	4.59E-05	7.60E-05	2.52E-06
3225	742143.95	4109538.49	6.21E-04	1.13E-03	6.21E-05	9.63E-05	1.86E-04	9.32E-06	9.37E-05	1.60E-04	1.18E-05	5.32E-05	8.81E-05	2.92E-06
3226	741627.55	4109531.96	2.99E-04	5.45E-04	2.99E-05	4.64E-05	8.94E-05	4.49E-06	4.51E-05	7.69E-05	5.70E-06	2.56E-05	4.24E-05	1.41E-06
3227	741589.92	4109555.88	3.07E-04	5.59E-04	3.07E-05	4.76E-05	9.16E-05	4.60E-06	4.62E-05	7.88E-05	5.84E-06	2.63E-05	4.35E-05	1.44E-06
3228	741552.29	4109579.8	3.19E-04	5.81E-04	3.19E-05	4.95E-05	9.53E-05	4.79E-06	4.81E-05	8.20E-05	6.08E-06	2.73E-05	4.52E-05	1.50E-06
3229	741614.19	4109431.82	2.32E-04	4.23E-04	2.32E-05	3.60E-05	6.93E-05	3.48E-06	3.50E-05	5.96E-05	4.42E-06	1.99E-05	3.29E-05	1.09E-06
3230	741657.14	4109424.24	2.37E-04	4.31E-04	2.37E-05	3.67E-05	7.07E-05	3.55E-06	3.57E-05	6.08E-05	4.51E-06	2.03E-05	3.36E-05	1.11E-06
3231	741700.09	4109416.66	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.17E-05	3.60E-06	3.62E-05	6.17E-05	4.57E-06	2.06E-05	3.40E-05	1.13E-06
3232	741743.04	4109409.08	2.44E-04	4.44E-04	2.44E-05	3.78E-05	7.28E-05	3.65E-06	3.67E-05	6.26E-05	4.64E-06	2.09E-05	3.45E-05	1.14E-06
3233	741785.99	4109401.5	2.48E-04	4.53E-04	2.49E-05	3.85E-05	7.42E-05	3.73E-06	3.75E-05	6.39E-05	4.73E-06	2.13E-05	3.52E-05	1.17E-06
3234	742097.37	4109393.4	3.48E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
3235	742133.16	4109418.33	3.90E-04	7.11E-04	3.91E-05	6.05E-05	1.17E-04	5.86E-06	5.89E-05	1.00E-04	7.44E-06	3.34E-05	5.53E-05	1.83E-06
3236	741573.9	4109447.57	2.31E-04	4.20E-04	2.31E-05	3.58E-05	6.89E-05	3.46E-06	3.48E-05	5.93E-05	4.39E-06	1.98E-05	3.27E-05	1.08E-06
3237	741536.27	4109471.49	2.34E-04	4.27E-04	2.35E-05	3.64E-05	7.00E-05	3.52E-06	3.53E-05	6.03E-05	4.47E-06	2.01E-05	3.32E-05	1.10E-06
3238	741498.65	4109495.41	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.17E-05	3.60E-06	3.62E-05	6.17E-05	4.57E-06	2.06E-05	3.40E-05	1.13E-06
3239	741560.99	4109347.35	1.86E-04	3.38E-04	1.86E-05	2.88E-05	5.55E-05	2.79E-06	2.80E-05	4.77E-05	3.54E-06	1.59E-05	2.63E-05	8.73E-07
3240	741604.83	4109339.61	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.63E-05	2.83E-06	2.84E-05	4.84E-05	3.59E-06	1.61E-05	2.67E-05	8.85E-07
3241	741648.68	4109331.87	1.90E-04	3.46E-04	1.90E-05	2.94E-05	5.67E-05	2.85E-06	2.86E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.92E-07
3242	741692.52	4109324.13	1.91E-04	3.49E-04	1.92E-05	2.97E-05	5.72E-05	2.87E-06	2.89E-05	4.92E-05	3.65E-06	1.64E-05	2.71E-05	9.00E-07
3243	741736.37	4109316.39	1.94E-04	3.54E-04	1.95E-05	3.01E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.70E-06	1.67E-05	2.76E-05	9.14E-07
3244	742120	4109296.52	2.70E-04	4.93E-04	2.71E-05	4.19E-05	8.08E-05	4.06E-06	4.08E-05	6.95E-05	5.15E-06	2.32E-05	3.83E-05	1.27E-06
3245	742156.54	4109321.97	2.99E-04	5.45E-04	3.00E-05	4.64E-05	8.94E-05	4.49E-06	4.51E-05	7.69E-05	5.70E-06	2.56E-05	4.24E-05	1.41E-06
3246	741520.25	4109363.18	1.85E-04	3.38E-04	1.86E-05	2.88E-05	5.54E-05	2.78E-06	2.80E-05	4.77E-05	3.53E-06	1.59E-05	2.63E-05	8.71E-07
3247	741482.63	4109387.1	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.62E-05	2.82E-06	2.84E-05	4.83E-05	3.58E-06	1.61E-05	2.67E-05	8.84E-07
3248	741445	4109411.02	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.70E-05	2.86E-06	2.88E-05	4.90E-05	3.63E-06	1.63E-05	2.70E-05	8.96E-07
3249	741497.24	4109170.88	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
3250	741540.88	4109163.18	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
3251	741584.52	4109155.47	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.94E-06	1.94E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.06E-07
3252	741628.16	4109147.77	1.29E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.08E-07
3253	741671.81	4109140.07	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
3254	741715.45	4109132.37	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.42E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
3255	741759.09	4109124.66	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.34E-07
3256	741802.74	4109116.96	1.38E-04	2.51E-04	1.38E-05	2.13E-05	4.11E-05	2.06E-06	2.07E-05	3.54E-05	2.62E-06	1.18E-05	1.95E-05	6.47E-07
3257	741846.38	4109109.26	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.21E-05	2.12E-06	2.13E-05	3.62E-05	2.69E-06	1.21E-05	2.00E-05	6.63E-07
3258	741890.02	4109101.55	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
3259	741933.66	4109093.85	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.42E-05	2.22E-06	2.23E-05	3.80E-05	2.82E-06	1.27E-05	2.10E-05	6.95E-07
3260	741977.31	4109086.15	1.51E-04	2.74E-04	1.51E-05	2.33E-05	4.50E-05	2.26E-06	2.27E-05	3.87E-05	2.87E-06	1.29E-05	2.13E-05	7.07E-07
3261	742020.95	4109078.44	1.53E-04	2.79E-04	1.53E-05	2.38E-05	4.58E-05	2.30E-06	2.31E-05	3.94E-05	2.92E-06	1.31E-05	2.17E-05	7.20E-07
3262	742064.59	4109070.74	1.56E-04	2.84E-04	1.56E-05	2.42E-05	4.66E-05	2.34E-06	2.35E-05	4.01E-05	2.97E-06	1.34E-05	2.21E-05	7.33E-07

3263	742126.42	4109075.7	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.76E-07
3264	742162.78	4109101.03	1.79E-04	3.26E-04	1.79E-05	2.77E-05	5.34E-05	2.68E-06	2.70E-05	4.60E-05	3.41E-06	1.53E-05	2.54E-05	8.40E-07
3265	742199.15	4109126.36	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.91E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.12E-07
3266	741412.96	4109194.4	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.95E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
3267	741375.33	4109218.32	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
3268	741337.7	4109242.24	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	2.00E-06	2.01E-05	3.42E-05	2.53E-06	1.14E-05	1.89E-05	6.25E-07
3269	741346.24	4109009.81	9.57E-05	1.74E-04	9.58E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
3270	741389.75	4109002.13	9.53E-05	1.74E-04	9.54E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.17E-06	1.35E-05	4.48E-07
3271	741433.27	4108994.45	9.48E-05	1.73E-04	9.49E-06	1.47E-05	2.83E-05	1.42E-06	1.43E-05	2.44E-05	1.81E-06	8.13E-06	1.34E-05	4.46E-07
3272	741476.78	4108986.77	9.43E-05	1.72E-04	9.43E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.42E-05	1.80E-06	8.08E-06	1.34E-05	4.43E-07
3273	741520.3	4108979.09	9.40E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
3274	741563.81	4108971.41	9.44E-05	1.72E-04	9.45E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.43E-05	1.80E-06	8.09E-06	1.34E-05	4.44E-07
3275	741607.33	4108963.73	9.54E-05	1.74E-04	9.54E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.17E-06	1.35E-05	4.48E-07
3276	741650.84	4108956.05	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
3277	741694.36	4108948.37	9.83E-05	1.79E-04	9.83E-06	1.52E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.87E-06	8.42E-06	1.39E-05	4.62E-07
3278	741737.87	4108940.69	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.57E-06	1.42E-05	4.70E-07
3279	741781.39	4108933.01	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.74E-06	1.45E-05	4.79E-07
3280	741824.9	4108925.33	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
3281	741868.42	4108917.64	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
3282	741911.93	4108909.96	1.09E-04	1.98E-04	1.09E-05	1.68E-05	3.24E-05	1.63E-06	1.64E-05	2.79E-05	2.07E-06	9.30E-06	1.54E-05	5.10E-07
3283	741955.45	4108902.28	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.66E-05	2.84E-05	2.10E-06	9.46E-06	1.57E-05	5.19E-07
3284	741998.96	4108894.6	1.12E-04	2.04E-04	1.12E-05	1.74E-05	3.35E-05	1.68E-06	1.69E-05	2.88E-05	2.13E-06	9.60E-06	1.59E-05	5.26E-07
3285	742042.48	4108886.92	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.71E-06	1.61E-05	5.33E-07
3286	742085.99	4108879.24	1.14E-04	2.09E-04	1.15E-05	1.77E-05	3.42E-05	1.72E-06	1.73E-05	2.94E-05	2.18E-06	9.81E-06	1.62E-05	5.38E-07
3287	742129.51	4108871.56	1.16E-04	2.11E-04	1.16E-05	1.79E-05	3.46E-05	1.74E-06	1.74E-05	2.97E-05	2.20E-06	9.91E-06	1.64E-05	5.44E-07
3288	742169.39	4108880.35	1.20E-04	2.19E-04	1.20E-05	1.87E-05	3.59E-05	1.81E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.71E-05	5.65E-07
3289	742205.65	4108905.6	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.94E-06	1.94E-05	3.31E-05	2.46E-06	1.10E-05	1.83E-05	6.06E-07
3290	742241.91	4108930.86	1.38E-04	2.52E-04	1.38E-05	2.15E-05	4.14E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.50E-07
3291	741305.66	4109025.61	9.71E-05	1.77E-04	9.71E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
3292	741268.04	4109049.53	9.92E-05	1.81E-04	9.92E-06	1.54E-05	2.96E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.50E-06	1.41E-05	4.66E-07
3293	741230.41	4109073.45	1.00E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.61E-06	1.42E-05	4.72E-07
3294	741282.32	4108833.37	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
3295	741325.75	4108825.71	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
3296	741369.18	4108818.04	7.27E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.38E-06	6.23E-06	1.03E-05	3.42E-07
3297	741412.6	4108810.38	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
3298	741456.03	4108802.71	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
3299	741499.46	4108795.05	7.27E-05	1.33E-04	7.28E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.23E-06	1.03E-05	3.42E-07
3300	741542.89	4108787.38	7.35E-05	1.34E-04	7.35E-06	1.14E-05	2.19E-05	1.10E-06	1.11E-05	1.89E-05	1.40E-06	6.29E-06	1.04E-05	3.45E-07
3301	741586.31	4108779.72	7.45E-05	1.36E-04	7.45E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
3302	741629.74	4108772.05	7.56E-05	1.38E-04	7.57E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.94E-05	1.44E-06	6.48E-06	1.07E-05	3.55E-07
3303	741673.17	4108764.39	7.69E-05	1.40E-04	7.70E-06	1.19E-05	2.30E-05	1.15E-06	1.16E-05	1.98E-05	1.47E-06	6.59E-06	1.09E-05	3.62E-07
3304	741716.6	4108756.72	7.83E-05	1.43E-04	7.83E-06	1.21E-05	2.34E-05	1.18E-06	1.18E-05	2.01E-05	1.49E-06	6.71E-06	1.11E-05	3.68E-07
3305	741760.02	4108749.06	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.74E-07
3306	741803.45	4108741.39	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
3307	741846.88	4108733.73	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
3308	741890.3	4108726.06	8.40E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.20E-06	1.19E-05	3.95E-07
3309	741933.73	4108718.39	8.54E-05	1.56E-04	8.55E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.20E-05	1.63E-06	7.32E-06	1.21E-05	4.01E-07
3310	741977.16	4108710.73	8.66E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.42E-06	1.23E-05	4.07E-07
3311	742020.59	4108703.06	8.75E-05	1.59E-04	8.76E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.50E-06	1.24E-05	4.11E-07
3312	742064.01	4108695.4	8.80E-05	1.60E-04	8.81E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
3313	742107.44	4108687.73	8.84E-05	1.61E-04	8.84E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
3314	742150.87	4108680.07	8.89E-05	1.62E-04	8.89E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.61E-06	1.26E-05	4.18E-07
3315	742212.39	4108685.01	9.25E-05	1.69E-04	9.26E-06	1.43E-05	2.76E-05	1.39E-06	1.40E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
3316	742248.57	4108710.21	9.84E-05	1.79E-04	9.84E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.87E-06	8.43E-06	1.39E-05	4.62E-07
3317	742284.76	4108735.42	1.05E-04	1.91E-04	1.05E-05	1.62E-05	3.13E-05	1.57E-06	1.58E-05	2.69E-05	2.00E-06	8.98E-06	1.49E-05	4.92E-07
3318	741198.37	4108856.83	7.59E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.45E-06	6.50E-06	1.08E-05	3.57E-07
3319	741160.74	4108880.75	7.79E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.68E-06	1.10E-05	3.66E-07
3320	741123.11	4108904.67	7.94E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
3321	741131.57	4108672.26	5.99E-05	1.09E-04	5.99E-06	9.28E-06	1.79E-05	8.98E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.81E-07
3322	741174.93	4108664.6	5.91E-05	1.08E-04	5.91E-06	9.17E-06	1.77E-05	8.87E-07	8.91E-06	1.52E-05	1.13E-06	5.07E-06	8.38E-06	2.78E-07
3323	741218.29	4108656.95	5.85E-05	1.07E-04	5.86E-06	9.08E-06	1.75E-05	8.78E-07	8.82E-06	1.50E-05	1.12E-06	5.01E-06	8.30E-06	2.75E-07
3324	741261.66	4108649.3	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
3325	741305.02	4108641.64	5.79E-05	1.05E-04	5.79E-06	8.98E-06	1.73E-05	8.69E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.21E-06	2.72E-07
3326	741348.38	4108633.99	5.78E-05	1.05E-04	5.79E-06	8.97E-06	1.73E-05	8.68E-07	8.72E-06	1.49E-05	1.10E-06	4.95E-06	8.20E-06	2.72E-07
3327	741391.75	4108626.34	5.80E-05	1.06E-04	5.80E-06	8.99E-06	1.73E-05	8.70E-07	8.74E-06	1.49E-05	1.10E-06	4.97E-06	8.22E-06	2.72E-07
3328	741435.11	4108618.68	5.83E-05	1.06E-04	5.84E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
3329	741478.47	4108611.03	5.89E-05	1.07E-04	5.89E-06	9.13E-06	1.76E-05	8.84E-07	8.88E-06	1.51E-05	1.12E-06	5.04E-06	8.35E-06	2.77E-07
3330	741521.84	4108603.37	5.96E-05	1.09E-04	5.96E-06	9.24E-06	1.78E-05	8.95E-07	8.99E-06	1.53E-05	1.14E-06	5.11E-06	8.45E-06	2.80E-07
3331	741565.2	4108595.72	6.05E-05	1.10E-04	6.06E-06	9.38E-06	1.81E-05	9.08E-07	9.13E-06	1.56E-05	1.15E-06	5.19E-06	8.58E-06	2.84E-07
3332	741608.56	4108588.07	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.23E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
3333	741651.92	4108580.41	6.26E-05	1.14E-04	6.26E-06	9.70E-06	1.87E-05	9.39E-07	9.43E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07

3334	741695.29	4108572.76	6.35E-05	1.16E-04	6.36E-06	9.85E-06	1.90E-05	9.54E-07	9.58E-06	1.63E-05	1.21E-06	5.44E-06	9.01E-06	2.99E-07
3335	741738.65	4108565.11	6.45E-05	1.18E-04	6.45E-06	1.00E-05	1.93E-05	9.68E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.14E-06	3.03E-07
3336	741782.01	4108557.45	6.54E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.82E-07	9.86E-06	1.68E-05	1.25E-06	5.60E-06	9.27E-06	3.07E-07
3337	741825.38	4108549.8	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
3338	741868.74	4108542.15	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
3339	741912.1	4108534.49	6.86E-05	1.25E-04	6.86E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.88E-06	9.72E-06	3.22E-07
3340	741955.46	4108526.84	6.96E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.33E-06	5.96E-06	9.87E-06	3.27E-07
3341	741998.83	4108519.18	7.04E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.98E-06	3.31E-07
3342	742042.19	4108511.53	7.08E-05	1.29E-04	7.08E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
3343	742085.55	4108503.88	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.01E-05	3.33E-07
3344	742128.92	4108496.22	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.01E-05	3.33E-07
3345	742172.28	4108488.57	7.10E-05	1.29E-04	7.11E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.35E-06	6.09E-06	1.01E-05	3.34E-07
3346	742215.64	4108480.92	7.16E-05	1.30E-04	7.16E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.13E-06	1.01E-05	3.36E-07
3347	742255.39	4108489.67	7.39E-05	1.35E-04	7.39E-06	1.15E-05	2.21E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.33E-06	1.05E-05	3.47E-07
3348	742291.52	4108514.84	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
3349	742327.65	4108540.01	8.28E-05	1.51E-04	8.28E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.09E-06	1.17E-05	3.89E-07
3350	741091.07	4108688.05	6.13E-05	1.12E-04	6.13E-06	9.50E-06	1.83E-05	9.19E-07	9.24E-06	1.57E-05	1.17E-06	5.25E-06	8.68E-06	2.88E-07
3351	741053.45	4108711.97	6.31E-05	1.15E-04	6.31E-06	9.79E-06	1.89E-05	9.47E-07	9.52E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.97E-07
3352	741015.82	4108735.89	6.45E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.68E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
3353	740916.94	4108334.7	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
3354	740960.21	4108327.06	4.09E-05	7.46E-05	4.10E-06	6.35E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.80E-07	3.51E-06	5.80E-06	1.92E-07
3355	741003.49	4108319.42	4.04E-05	7.36E-05	4.04E-06	6.26E-06	1.21E-05	6.06E-07	6.09E-06	1.04E-05	7.69E-07	3.46E-06	5.73E-06	1.90E-07
3356	741046.76	4108311.79	4.00E-05	7.30E-05	4.01E-06	6.21E-06	1.20E-05	6.01E-07	6.04E-06	1.03E-05	7.63E-07	3.43E-06	5.68E-06	1.88E-07
3357	741090.04	4108304.15	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.60E-07	3.42E-06	5.66E-06	1.88E-07
3358	741133.31	4108296.51	3.99E-05	7.28E-05	4.00E-06	6.19E-06	1.19E-05	6.00E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
3359	741176.59	4108288.87	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.69E-06	1.88E-07
3360	741219.86	4108281.23	4.03E-05	7.35E-05	4.04E-06	6.26E-06	1.21E-05	6.05E-07	6.08E-06	1.04E-05	7.69E-07	3.46E-06	5.72E-06	1.90E-07
3361	741263.14	4108273.59	4.06E-05	7.39E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.73E-07	3.48E-06	5.75E-06	1.91E-07
3362	741306.41	4108265.96	4.08E-05	7.44E-05	4.08E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
3363	741349.69	4108258.32	4.11E-05	7.49E-05	4.11E-06	6.38E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.83E-07	3.52E-06	5.83E-06	1.93E-07
3364	741392.96	4108250.68	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
3365	741436.24	4108243.04	4.19E-05	7.64E-05	4.20E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.99E-07	3.59E-06	5.95E-06	1.97E-07
3366	741479.51	4108235.4	4.25E-05	7.75E-05	4.25E-06	6.59E-06	1.27E-05	6.38E-07	6.41E-06	1.09E-05	8.10E-07	3.64E-06	6.03E-06	2.00E-07
3367	741522.79	4108227.76	4.31E-05	7.86E-05	4.32E-06	6.69E-06	1.29E-05	6.48E-07	6.51E-06	1.11E-05	8.22E-07	3.70E-06	6.12E-06	2.03E-07
3368	741566.07	4108220.13	4.38E-05	7.99E-05	4.38E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.76E-06	6.21E-06	2.06E-07
3369	741609.34	4108212.49	4.45E-05	8.10E-05	4.45E-06	6.90E-06	1.33E-05	6.67E-07	6.71E-06	1.14E-05	8.47E-07	3.81E-06	6.30E-06	2.09E-07
3370	741652.62	4108204.85	4.51E-05	8.21E-05	4.51E-06	6.99E-06	1.35E-05	6.76E-07	6.79E-06	1.16E-05	8.59E-07	3.86E-06	6.39E-06	2.12E-07
3371	741695.89	4108197.21	4.56E-05	8.31E-05	4.56E-06	7.07E-06	1.36E-05	6.84E-07	6.87E-06	1.17E-05	8.69E-07	3.91E-06	6.46E-06	2.14E-07
3372	741739.17	4108189.57	4.61E-05	8.39E-05	4.61E-06	7.14E-06	1.38E-05	6.91E-07	6.95E-06	1.18E-05	8.78E-07	3.95E-06	6.53E-06	2.16E-07
3373	741782.44	4108181.93	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
3374	741825.72	4108174.3	4.71E-05	8.59E-05	4.72E-06	7.31E-06	1.41E-05	7.07E-07	7.11E-06	1.21E-05	8.98E-07	4.04E-06	6.68E-06	2.21E-07
3375	741868.99	4108166.66	4.78E-05	8.70E-05	4.78E-06	7.41E-06	1.43E-05	7.17E-07	7.20E-06	1.23E-05	9.10E-07	4.09E-06	6.77E-06	2.24E-07
3376	741912.27	4108159.02	4.84E-05	8.82E-05	4.84E-06	7.51E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
3377	741955.54	4108151.38	4.90E-05	8.93E-05	4.90E-06	7.60E-06	1.46E-05	7.35E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
3378	741998.82	4108143.74	4.95E-05	9.02E-05	4.95E-06	7.67E-06	1.48E-05	7.43E-07	7.46E-06	1.27E-05	9.43E-07	4.24E-06	7.02E-06	2.33E-07
3379	742042.09	4108136.1	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
3380	742085.37	4108128.47	4.98E-05	9.08E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
3381	742128.64	4108120.83	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.04E-06	2.33E-07
3382	742171.92	4108113.19	4.94E-05	9.01E-05	4.95E-06	7.67E-06	1.48E-05	7.42E-07	7.46E-06	1.27E-05	9.42E-07	4.24E-06	7.01E-06	2.32E-07
3383	742215.19	4108105.55	4.93E-05	8.98E-05	4.93E-06	7.64E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
3384	742258.47	4108097.91	4.93E-05	8.98E-05	4.93E-06	7.65E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
3385	742301.75	4108090.27	4.96E-05	9.04E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.48E-06	1.28E-05	9.46E-07	4.25E-06	7.04E-06	2.33E-07
3386	742341.41	4108099.01	5.10E-05	9.29E-05	5.10E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
3387	742377.47	4108124.13	5.35E-05	9.75E-05	5.35E-06	8.29E-06	1.60E-05	8.03E-07	8.07E-06	1.37E-05	1.02E-06	4.58E-06	7.58E-06	2.51E-07
3388	742413.53	4108149.25	5.63E-05	1.03E-04	5.64E-06	8.74E-06	1.68E-05	8.46E-07	8.50E-06	1.45E-05	1.07E-06	4.83E-06	7.99E-06	2.65E-07
3389	742449.59	4108174.36	5.94E-05	1.08E-04	5.94E-06	9.20E-06	1.77E-05	8.91E-07	8.95E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
3390	742485.65	4108199.48	6.23E-05	1.13E-04	6.23E-06	9.66E-06	1.86E-05	9.35E-07	9.39E-06	1.60E-05	1.19E-06	5.34E-06	8.83E-06	2.93E-07
3391	742521.71	4108224.6	6.48E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.77E-06	1.67E-05	1.24E-06	5.55E-06	9.19E-06	3.05E-07
3392	742557.77	4108249.71	6.68E-05	1.22E-04	6.68E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.72E-06	9.47E-06	3.14E-07
3393	742593.83	4108274.83	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.84E-06	9.66E-06	3.20E-07
3394	742629.89	4108299.94	6.89E-05	1.26E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.77E-06	3.24E-07
3395	742665.95	4108325.06	6.94E-05	1.26E-04	6.94E-06	1.08E-05	2.07E-05	1.04E-06	1.05E-05	1.78E-05	1.32E-06	5.94E-06	9.83E-06	3.26E-07
3396	742702	4108350.18	6.99E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.28E-07
3397	742738.06	4108375.29	7.06E-05	1.29E-04	7.07E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.05E-06	1.00E-05	3.32E-07
3398	742774.12	4108400.41	7.19E-05	1.31E-04	7.19E-06	1.11E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.16E-06	1.02E-05	3.38E-07
3399	742810.18	4108425.53	7.37E-05	1.34E-04	7.37E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.89E-05	1.40E-06	6.32E-06	1.05E-05	3.46E-07
3400	742846.24	4108450.64	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
3401	742882.3	4108475.76	7.93E-05	1.45E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.12E-05	3.73E-07
3402	742918.36	4108500.88	8.32E-05	1.52E-04	8.33E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.13E-06	1.18E-05	3.91E-07
3403	742954.42	4108525.99	8.79E-05	1.60E-04	8.80E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.53E-06	1.25E-05	4.13E-07
3404	742990.48	4108551.11	9.33E-05	1.70E-04	9.33E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	7.99E-06	1.32E-05	4.38E-07

3405	743026.54	4108576.22	9.92E-05	1.81E-04	9.93E-06	1.54E-05	2.96E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.50E-06	1.41E-05	4.66E-07
3406	743062.6	4108601.34	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.59E-05	2.72E-05	2.01E-06	9.05E-06	1.50E-05	4.96E-07
3407	743098.66	4108626.46	1.12E-04	2.05E-04	1.12E-05	1.74E-05	3.36E-05	1.69E-06	1.69E-05	2.89E-05	2.14E-06	9.63E-06	1.59E-05	5.28E-07
3408	743134.72	4108651.57	1.19E-04	2.17E-04	1.19E-05	1.85E-05	3.56E-05	1.79E-06	1.80E-05	3.06E-05	2.27E-06	1.02E-05	1.69E-05	5.60E-07
3409	743170.77	4108676.69	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.75E-05	1.88E-06	1.89E-05	3.23E-05	2.39E-06	1.08E-05	1.78E-05	5.90E-07
3410	743206.83	4108701.81	1.31E-04	2.39E-04	1.31E-05	2.04E-05	3.92E-05	1.97E-06	1.98E-05	3.38E-05	2.50E-06	1.13E-05	1.86E-05	6.17E-07
3411	743242.89	4108726.92	1.36E-04	2.48E-04	1.36E-05	2.11E-05	4.06E-05	2.04E-06	2.05E-05	3.50E-05	2.59E-06	1.17E-05	1.93E-05	6.39E-07
3412	743278.95	4108752.04	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.59E-05	2.66E-06	1.20E-05	1.98E-05	6.57E-07
3413	743315.01	4108777.16	1.43E-04	2.60E-04	1.43E-05	2.21E-05	4.26E-05	2.14E-06	2.15E-05	3.67E-05	2.72E-06	1.22E-05	2.02E-05	6.70E-07
3414	743351.07	4108802.27	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.81E-07
3415	743387.13	4108827.39	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.92E-07
3416	743423.19	4108852.5	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.48E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.04E-07
3417	743459.25	4108877.62	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
3418	740876.48	4108350.48	4.27E-05	7.78E-05	4.27E-06	6.62E-06	1.28E-05	6.41E-07	6.44E-06	1.10E-05	8.14E-07	3.66E-06	6.05E-06	2.01E-07
3419	740838.86	4108374.4	4.41E-05	8.03E-05	4.41E-06	6.84E-06	1.32E-05	6.62E-07	6.65E-06	1.13E-05	8.40E-07	3.78E-06	6.25E-06	2.07E-07
3420	740801.23	4108398.32	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.82E-06	1.16E-05	8.62E-07	3.88E-06	6.42E-06	2.13E-07
3421	740746.36	4107989.37	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.57E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
3422	740790.12	4107981.64	2.99E-05	5.46E-05	3.00E-06	4.64E-06	8.95E-06	4.49E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
3423	740833.89	4107973.92	2.96E-05	5.40E-05	2.96E-06	4.59E-06	8.85E-06	4.45E-07	4.47E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
3424	740877.65	4107966.19	2.95E-05	5.37E-05	2.95E-06	4.57E-06	8.81E-06	4.43E-07	4.45E-06	7.58E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
3425	740921.42	4107958.47	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3426	740965.18	4107950.74	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
3427	741008.95	4107943.02	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
3428	741052.71	4107935.29	3.02E-05	5.51E-05	3.02E-06	4.69E-06	9.03E-06	4.53E-07	4.56E-06	7.77E-06	5.76E-07	2.59E-06	4.28E-06	1.42E-07
3429	741096.48	4107927.57	3.04E-05	5.55E-05	3.05E-06	4.72E-06	9.10E-06	4.57E-07	4.59E-06	7.83E-06	5.80E-07	2.61E-06	4.32E-06	1.43E-07
3430	741140.24	4107919.84	3.06E-05	5.58E-05	3.07E-06	4.75E-06	9.15E-06	4.60E-07	4.62E-06	7.88E-06	5.84E-07	2.63E-06	4.34E-06	1.44E-07
3431	741184.01	4107912.12	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.20E-06	4.62E-07	4.64E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
3432	741227.78	4107904.39	3.09E-05	5.63E-05	3.09E-06	4.79E-06	9.23E-06	4.64E-07	4.66E-06	7.94E-06	5.89E-07	2.65E-06	4.38E-06	1.45E-07
3433	741271.54	4107896.67	3.10E-05	5.66E-05	3.11E-06	4.81E-06	9.27E-06	4.66E-07	4.68E-06	7.98E-06	5.91E-07	2.66E-06	4.40E-06	1.46E-07
3434	741315.31	4107888.94	3.12E-05	5.69E-05	3.13E-06	4.84E-06	9.33E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
3435	741359.07	4107881.22	3.15E-05	5.75E-05	3.16E-06	4.89E-06	9.42E-06	4.73E-07	4.76E-06	8.11E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
3436	741402.84	4107873.49	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
3437	741446.6	4107865.77	3.25E-05	5.92E-05	3.25E-06	5.04E-06	9.70E-06	4.87E-07	4.90E-06	8.35E-06	6.19E-07	2.78E-06	4.60E-06	1.53E-07
3438	741490.37	4107858.04	3.30E-05	6.02E-05	3.30E-06	5.12E-06	9.86E-06	4.96E-07	4.98E-06	8.49E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
3439	741534.13	4107850.32	3.35E-05	6.11E-05	3.36E-06	5.20E-06	1.00E-05	5.03E-07	5.06E-06	8.62E-06	6.39E-07	2.87E-06	4.76E-06	1.58E-07
3440	741577.9	4107842.59	3.40E-05	6.20E-05	3.40E-06	5.27E-06	1.02E-05	5.10E-07	5.13E-06	8.74E-06	6.48E-07	2.91E-06	4.82E-06	1.60E-07
3441	741621.66	4107834.87	3.44E-05	6.27E-05	3.44E-06	5.33E-06	1.03E-05	5.16E-07	5.19E-06	8.84E-06	6.55E-07	2.95E-06	4.88E-06	1.62E-07
3442	741665.43	4107827.14	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.23E-06	8.92E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
3443	741709.2	4107819.42	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
3444	741752.96	4107811.7	3.52E-05	6.41E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.04E-06	6.70E-07	3.01E-06	4.98E-06	1.65E-07
3445	741796.73	4107803.97	3.54E-05	6.46E-05	3.54E-06	5.49E-06	1.06E-05	5.32E-07	5.34E-06	9.11E-06	6.75E-07	3.04E-06	5.02E-06	1.66E-07
3446	741840.49	4107796.25	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.39E-06	9.19E-06	6.81E-07	3.06E-06	5.07E-06	1.68E-07
3447	741884.26	4107788.52	3.62E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.46E-06	9.30E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
3448	741928.02	4107780.8	3.66E-05	6.68E-05	3.67E-06	5.68E-06	1.09E-05	5.50E-07	5.53E-06	9.42E-06	6.98E-07	3.14E-06	5.19E-06	1.72E-07
3449	741971.79	4107773.07	3.71E-05	6.76E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.53E-06	7.06E-07	3.18E-06	5.26E-06	1.74E-07
3450	742015.55	4107765.35	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.62E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.31E-06	1.76E-07
3451	742059.32	4107757.62	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.65E-07	5.67E-06	9.67E-06	7.17E-07	3.22E-06	5.33E-06	1.77E-07
3452	742103.08	4107749.9	3.76E-05	6.86E-05	3.77E-06	5.84E-06	1.12E-05	5.65E-07	5.68E-06	9.68E-06	7.17E-07	3.23E-06	5.34E-06	1.77E-07
3453	742146.85	4107742.17	3.75E-05	6.83E-05	3.75E-06	5.81E-06	1.12E-05	5.63E-07	5.65E-06	9.64E-06	7.15E-07	3.21E-06	5.32E-06	1.76E-07
3454	742190.62	4107734.45	3.72E-05	6.78E-05	3.72E-06	5.77E-06	1.11E-05	5.59E-07	5.61E-06	9.57E-06	7.09E-07	3.19E-06	5.28E-06	1.75E-07
3455	742234.38	4107726.72	3.69E-05	6.72E-05	3.69E-06	5.72E-06	1.10E-05	5.54E-07	5.57E-06	9.49E-06	7.03E-07	3.16E-06	5.23E-06	1.73E-07
3456	742278.15	4107719	3.67E-05	6.68E-05	3.67E-06	5.69E-06	1.10E-05	5.50E-07	5.53E-06	9.42E-06	6.99E-07	3.14E-06	5.20E-06	1.72E-07
3457	742321.91	4107711.27	3.66E-05	6.66E-05	3.66E-06	5.67E-06	1.09E-05	5.49E-07	5.51E-06	9.40E-06	6.97E-07	3.13E-06	5.19E-06	1.72E-07
3458	742365.68	4107703.55	3.67E-05	6.69E-05	3.67E-06	5.69E-06	1.10E-05	5.51E-07	5.54E-06	9.44E-06	7.00E-07	3.15E-06	5.21E-06	1.73E-07
3459	742427.68	4107708.52	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.74E-06	7.22E-07	3.25E-06	5.37E-06	1.78E-07
3460	742464.14	4107733.92	3.96E-05	7.22E-05	3.97E-06	6.15E-06	1.18E-05	5.95E-07	5.98E-06	1.02E-05	7.55E-07	3.40E-06	5.62E-06	1.86E-07
3461	742500.61	4107759.33	4.16E-05	7.59E-05	4.17E-06	6.46E-06	1.24E-05	6.25E-07	6.28E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
3462	742537.08	4107784.73	4.38E-05	7.97E-05	4.38E-06	6.79E-06	1.31E-05	6.57E-07	6.60E-06	1.12E-05	8.34E-07	3.75E-06	6.20E-06	2.06E-07
3463	742573.55	4107810.13	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.74E-07	3.93E-06	6.51E-06	2.16E-07
3464	742610.01	4107835.53	4.78E-05	8.71E-05	4.78E-06	7.41E-06	1.43E-05	7.17E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
3465	742646.48	4107860.93	4.93E-05	8.99E-05	4.94E-06	7.65E-06	1.47E-05	7.41E-07	7.44E-06	1.27E-05	9.40E-07	4.23E-06	7.00E-06	2.32E-07
3466	742682.95	4107886.33	5.04E-05	9.19E-05	5.04E-06	7.82E-06	1.51E-05	7.57E-07	7.60E-06	1.30E-05	9.61E-07	4.32E-06	7.15E-06	2.37E-07
3467	742719.42	4107911.73	5.10E-05	9.29E-05	5.10E-06	7.91E-06	1.52E-05	7.65E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
3468	742755.89	4107937.13	5.12E-05	9.32E-05	5.12E-06	7.93E-06	1.53E-05	7.68E-07	7.71E-06	1.32E-05	9.75E-07	4.38E-06	7.25E-06	2.40E-07
3469	742792.35	4107962.53	5.11E-05	9.31E-05	5.11E-06	7.92E-06	1.53E-05	7.67E-07	7.70E-06	1.31E-05	9.74E-07	4.38E-06	7.24E-06	2.40E-07
3470	742828.82	4107987.93	5.10E-05	9.30E-05	5.11E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
3471	742865.29	4108013.33	5.12E-05	9.33E-05	5.12E-06	7.94E-06	1.53E-05	7.68E-07	7.72E-06	1.32E-05	9.75E-07	4.39E-06	7.26E-06	2.41E-07
3472	742901.76	4108038.73	5.17E-05	9.42E-05	5.17E-06	8.02E-06	1.54E-05	7.76E-07	7.80E-06	1.33E-05	9.85E-07	4.43E-06	7.33E-06	2.43E-07
3473	742938.22	4108064.13	5.26E-05	9.59E-05	5.26E-06	8.16E-06	1.57E-05	7.90E-07	7.93E-06	1.35E-05	1.00E-06	4.51E-06	7.46E-06	2.47E-07
3474	742974.69	4108089.54	5.39E-05	9.83E-05	5.40E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.65E-06	2.53E-07
3475	743011.16	4108114.94	5.55E-05	1.01E-04	5.56E-06	8.61E-06	1.66E-05	8.34E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07

3476	743047.63	4108140.34	5.75E-05	1.05E-04	5.75E-06	8.92E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.15E-06	2.70E-07
3477	743084.09	4108165.74	5.97E-05	1.09E-04	5.98E-06	9.26E-06	1.78E-05	8.97E-07	9.01E-06	1.54E-05	1.14E-06	5.12E-06	8.47E-06	2.81E-07
3478	743120.56	4108191.14	6.23E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.40E-06	1.60E-05	1.19E-06	5.34E-06	8.84E-06	2.93E-07
3479	743157.03	4108216.54	6.52E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.79E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.25E-06	3.07E-07
3480	743193.5	4108241.94	6.85E-05	1.25E-04	6.85E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.87E-06	9.71E-06	3.22E-07
3481	743229.96	4108267.34	7.20E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.17E-06	1.02E-05	3.38E-07
3482	743266.43	4108292.74	7.58E-05	1.38E-04	7.58E-06	1.18E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
3483	743302.9	4108318.14	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
3484	743339.37	4108343.54	8.37E-05	1.53E-04	8.38E-06	1.30E-05	2.50E-05	1.26E-06	1.26E-05	2.15E-05	1.60E-06	7.17E-06	1.19E-05	3.93E-07
3485	743375.83	4108368.94	8.77E-05	1.60E-04	8.78E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.26E-05	1.67E-06	7.52E-06	1.24E-05	4.12E-07
3486	743412.3	4108394.35	9.16E-05	1.67E-04	9.17E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.85E-06	1.30E-05	4.31E-07
3487	743448.77	4108419.75	9.51E-05	1.73E-04	9.52E-06	1.48E-05	2.84E-05	1.43E-06	1.43E-05	2.45E-05	1.81E-06	8.15E-06	1.35E-05	4.47E-07
3488	743485.24	4108445.15	9.81E-05	1.79E-04	9.82E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.41E-06	1.39E-05	4.61E-07
3489	743521.7	4108470.55	1.00E-04	1.83E-04	1.00E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.60E-06	1.42E-05	4.72E-07
3490	743558.17	4108495.95	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.74E-06	1.45E-05	4.80E-07
3491	743594.64	4108521.35	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
3492	743631.11	4108546.75	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
3493	743667.57	4108572.15	1.06E-04	1.92E-04	1.06E-05	1.64E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.05E-06	1.50E-05	4.96E-07
3494	743704.04	4108597.55	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.03E-07
3495	743740.51	4108622.95	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.26E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.34E-06	1.55E-05	5.12E-07
3496	743776.98	4108648.35	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.50E-06	1.57E-05	5.21E-07
3497	743813.45	4108673.75	1.12E-04	2.05E-04	1.12E-05	1.74E-05	3.36E-05	1.69E-06	1.69E-05	2.89E-05	2.14E-06	9.63E-06	1.59E-05	5.28E-07
3498	740661.89	4108012.91	3.18E-05	5.80E-05	3.19E-06	4.94E-06	9.51E-06	4.78E-07	4.80E-06	8.18E-06	6.07E-07	2.73E-06	4.51E-06	1.50E-07
3499	740624.27	4108036.83	3.29E-05	5.99E-05	3.29E-06	5.09E-06	9.81E-06	4.93E-07	4.95E-06	8.45E-06	6.26E-07	2.82E-06	4.66E-06	1.54E-07
3500	740586.64	4108060.75	3.38E-05	6.15E-05	3.38E-06	5.23E-06	1.01E-05	5.07E-07	5.09E-06	8.68E-06	6.43E-07	2.89E-06	4.79E-06	1.59E-07
3501	740531.58	4107651.83	2.38E-05	4.33E-05	2.38E-06	3.69E-06	7.11E-06	3.57E-07	3.59E-06	6.11E-06	4.53E-07	2.04E-06	3.37E-06	1.12E-07
3502	740575.22	4107644.13	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
3503	740618.87	4107636.43	2.31E-05	4.20E-05	2.31E-06	3.58E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
3504	740662.51	4107628.72	2.29E-05	4.18E-05	2.29E-06	3.55E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
3505	740706.15	4107621.02	2.29E-05	4.17E-05	2.29E-06	3.55E-06	6.84E-06	3.44E-07	3.45E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
3506	740749.8	4107613.32	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
3507	740793.44	4107605.61	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
3508	740837.08	4107597.91	2.36E-05	4.29E-05	2.36E-06	3.65E-06	7.04E-06	3.54E-07	3.55E-06	6.05E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
3509	740880.72	4107590.21	2.38E-05	4.34E-05	2.38E-06	3.70E-06	7.12E-06	3.58E-07	3.59E-06	6.13E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
3510	740924.37	4107582.5	2.41E-05	4.39E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.19E-06	4.59E-07	2.06E-06	3.41E-06	1.13E-07
3511	740968.01	4107574.8	2.42E-05	4.42E-05	2.43E-06	3.76E-06	7.24E-06	3.64E-07	3.66E-06	6.23E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
3512	741011.65	4107567.1	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3513	741055.29	4107559.39	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3514	741098.94	4107551.69	2.43E-05	4.44E-05	2.44E-06	3.78E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3515	741142.58	4107543.99	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3516	741186.22	4107536.28	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.29E-06	3.66E-07	3.68E-06	6.27E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
3517	741229.86	4107528.58	2.45E-05	4.47E-05	2.45E-06	3.80E-06	7.33E-06	3.68E-07	3.70E-06	6.30E-06	4.67E-07	2.10E-06	3.48E-06	1.15E-07
3518	741273.51	4107520.88	2.48E-05	4.51E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.73E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3519	741317.15	4107513.18	2.51E-05	4.58E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.46E-06	4.79E-07	2.15E-06	3.56E-06	1.18E-07
3520	741360.79	4107505.47	2.55E-05	4.66E-05	2.56E-06	3.96E-06	7.63E-06	3.83E-07	3.85E-06	6.57E-06	4.87E-07	2.19E-06	3.62E-06	1.20E-07
3521	741404.44	4107497.77	2.60E-05	4.74E-05	2.60E-06	4.04E-06	7.78E-06	3.91E-07	3.92E-06	6.69E-06	4.96E-07	2.23E-06	3.69E-06	1.22E-07
3522	741448.08	4107490.07	2.65E-05	4.83E-05	2.65E-06	4.11E-06	7.91E-06	3.98E-07	4.00E-06	6.81E-06	5.05E-07	2.27E-06	3.76E-06	1.25E-07
3523	741491.72	4107482.36	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.03E-06	4.04E-07	4.06E-06	6.91E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
3524	741535.36	4107474.66	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.13E-06	4.08E-07	4.10E-06	7.00E-06	5.19E-07	2.33E-06	3.86E-06	1.28E-07
3525	741579.01	4107466.96	2.74E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.05E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
3526	741622.65	4107459.25	2.76E-05	5.02E-05	2.76E-06	4.28E-06	8.24E-06	4.14E-07	4.16E-06	7.09E-06	5.25E-07	2.36E-06	3.91E-06	1.30E-07
3527	741666.29	4107451.55	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.26E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
3528	741709.93	4107443.85	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.28E-06	4.16E-07	4.18E-06	7.13E-06	5.28E-07	2.38E-06	3.93E-06	1.30E-07
3529	741753.58	4107436.14	2.78E-05	5.07E-05	2.78E-06	4.31E-06	8.31E-06	4.18E-07	4.20E-06	7.15E-06	5.30E-07	2.38E-06	3.94E-06	1.31E-07
3530	741797.22	4107428.44	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.36E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.97E-06	1.31E-07
3531	741840.86	4107420.74	2.82E-05	5.14E-05	2.82E-06	4.38E-06	8.43E-06	4.24E-07	4.26E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
3532	741884.5	4107413.03	2.85E-05	5.20E-05	2.86E-06	4.43E-06	8.53E-06	4.28E-07	4.30E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
3533	741928.15	4107405.33	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
3534	741971.79	4107397.63	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.74E-06	4.39E-07	4.41E-06	7.52E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
3535	742015.43	4107389.93	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.83E-06	4.44E-07	4.46E-06	7.60E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3536	742059.08	4107382.22	2.98E-05	5.42E-05	2.98E-06	4.62E-06	8.89E-06	4.47E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
3537	742102.72	4107374.52	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.91E-06	4.48E-07	4.50E-06	7.67E-06	5.68E-07	2.56E-06	4.23E-06	1.40E-07
3538	742146.36	4107366.82	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.89E-06	4.46E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
3539	742190	4107359.11	2.95E-05	5.38E-05	2.96E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3540	742233.65	4107351.41	2.92E-05	5.33E-05	2.93E-06	4.53E-06	8.73E-06	4.39E-07	4.41E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
3541	742277.29	4107343.71	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
3542	742320.93	4107336	2.86E-05	5.22E-05	2.86E-06	4.44E-06	8.55E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
3543	742364.57	4107328.3	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.27E-07	4.29E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
3544	742408.22	4107320.6	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.28E-07	4.30E-06	7.33E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
3545	742451.86	4107312.89	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
3546	742513.69	4107317.86	2.97E-05	5.42E-05	2.97E-06	4.61E-06	8.88E-06	4.46E-07	4.48E-06	7.64E-06	5.66E-07	2.55E-06	4.21E-06	1.40E-07

3547	742550.05	4107343.19	3.10E-05	5.65E-05	3.10E-06	4.81E-06	9.26E-06	4.65E-07	4.68E-06	7.97E-06	5.91E-07	2.66E-06	4.40E-06	1.46E-07
3548	742586.42	4107368.51	3.25E-05	5.91E-05	3.25E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.53E-07
3549	742622.78	4107393.84	3.40E-05	6.20E-05	3.40E-06	5.28E-06	1.02E-05	5.11E-07	5.13E-06	8.75E-06	6.48E-07	2.92E-06	4.82E-06	1.60E-07
3550	742659.15	4107419.17	3.56E-05	6.49E-05	3.56E-06	5.52E-06	1.06E-05	5.34E-07	5.37E-06	9.15E-06	6.78E-07	3.05E-06	5.05E-06	1.67E-07
3551	742695.51	4107444.5	3.71E-05	6.76E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.53E-06	7.06E-07	3.18E-06	5.26E-06	1.74E-07
3552	742731.88	4107469.83	3.83E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.75E-07	5.78E-06	9.86E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07
3553	742768.24	4107495.16	3.93E-05	7.17E-05	3.93E-06	6.10E-06	1.17E-05	5.90E-07	5.93E-06	1.01E-05	7.49E-07	3.37E-06	5.58E-06	1.85E-07
3554	742804.61	4107520.49	3.99E-05	7.28E-05	4.00E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
3555	742840.97	4107545.82	4.02E-05	7.33E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
3556	742877.34	4107571.15	4.02E-05	7.32E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.65E-07	3.44E-06	5.69E-06	1.89E-07
3557	742913.7	4107596.48	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
3558	742950.07	4107621.81	3.97E-05	7.23E-05	3.97E-06	6.15E-06	1.19E-05	5.95E-07	5.98E-06	1.02E-05	7.56E-07	3.40E-06	5.62E-06	1.86E-07
3559	742986.43	4107647.14	3.95E-05	7.20E-05	3.96E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.39E-06	5.61E-06	1.86E-07
3560	743022.8	4107672.47	3.96E-05	7.22E-05	3.97E-06	6.15E-06	1.18E-05	5.95E-07	5.98E-06	1.02E-05	7.55E-07	3.40E-06	5.62E-06	1.86E-07
3561	743059.16	4107697.8	4.01E-05	7.30E-05	4.01E-06	6.21E-06	1.20E-05	6.01E-07	6.04E-06	1.03E-05	7.64E-07	3.43E-06	5.68E-06	1.88E-07
3562	743095.53	4107723.13	4.08E-05	7.44E-05	4.08E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
3563	743131.9	4107748.46	4.18E-05	7.62E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.97E-07	3.59E-06	5.93E-06	1.97E-07
3564	743168.26	4107773.79	4.30E-05	7.84E-05	4.30E-06	6.67E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.20E-07	3.69E-06	6.10E-06	2.02E-07
3565	743204.63	4107799.12	4.43E-05	8.08E-05	4.43E-06	6.87E-06	1.32E-05	6.65E-07	6.68E-06	1.14E-05	8.45E-07	3.80E-06	6.28E-06	2.08E-07
3566	743240.99	4107824.45	4.57E-05	8.33E-05	4.58E-06	7.09E-06	1.37E-05	6.86E-07	6.90E-06	1.18E-05	8.72E-07	3.92E-06	6.48E-06	2.15E-07
3567	743277.36	4107849.78	4.73E-05	8.61E-05	4.73E-06	7.33E-06	1.41E-05	7.10E-07	7.13E-06	1.22E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
3568	743313.72	4107875.11	4.90E-05	8.92E-05	4.90E-06	7.59E-06	1.46E-05	7.35E-07	7.38E-06	1.26E-05	9.33E-07	4.20E-06	6.94E-06	2.30E-07
3569	743350.09	4107900.44	5.08E-05	9.26E-05	5.09E-06	7.88E-06	1.52E-05	7.63E-07	7.67E-06	1.31E-05	9.69E-07	4.36E-06	7.21E-06	2.39E-07
3570	743386.45	4107925.76	5.29E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.54E-06	7.50E-06	2.49E-07
3571	743422.82	4107951.09	5.52E-05	1.01E-04	5.52E-06	8.56E-06	1.65E-05	8.28E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.82E-06	2.59E-07
3572	743459.18	4107976.42	5.75E-05	1.05E-04	5.75E-06	8.92E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.15E-06	2.70E-07
3573	743495.55	4108001.75	5.99E-05	1.09E-04	6.00E-06	9.29E-06	1.79E-05	9.00E-07	9.04E-06	1.54E-05	1.14E-06	5.14E-06	8.50E-06	2.82E-07
3574	743531.91	4108027.08	6.24E-05	1.14E-04	6.25E-06	9.68E-06	1.86E-05	9.37E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
3575	743568.28	4108052.41	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.21E-06	3.05E-07
3576	743604.64	4108077.74	6.75E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.57E-06	3.17E-07
3577	743641.01	4108103.07	7.00E-05	1.28E-04	7.01E-06	1.09E-05	2.09E-05	1.05E-06	1.06E-05	1.80E-05	1.33E-06	6.00E-06	9.93E-06	3.29E-07
3578	743677.37	4108128.4	7.25E-05	1.32E-04	7.25E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
3579	743713.74	4108153.73	7.46E-05	1.36E-04	7.47E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.39E-06	1.06E-05	3.51E-07
3580	743750.11	4108179.06	7.64E-05	1.39E-04	7.65E-06	1.18E-05	2.28E-05	1.15E-06	1.15E-05	1.96E-05	1.46E-06	6.55E-06	1.08E-05	3.59E-07
3581	743786.47	4108204.39	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
3582	743822.84	4108229.72	7.85E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.18E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
3583	743859.2	4108255.05	7.91E-05	1.44E-04	7.92E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
3584	743895.57	4108280.38	7.96E-05	1.45E-04	7.96E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
3585	743931.93	4108305.71	8.02E-05	1.46E-04	8.03E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
3586	743968.3	4108331.04	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
3587	744004.66	4108356.37	8.24E-05	1.50E-04	8.24E-06	1.28E-05	2.46E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.06E-06	1.17E-05	3.87E-07
3588	744041.03	4108381.7	8.39E-05	1.53E-04	8.39E-06	1.30E-05	2.51E-05	1.26E-06	1.26E-05	2.16E-05	1.60E-06	7.19E-06	1.19E-05	3.94E-07
3589	744077.39	4108407.03	8.54E-05	1.56E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.20E-05	1.63E-06	7.32E-06	1.21E-05	4.01E-07
3590	744113.76	4108432.36	8.67E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.07E-07
3591	744150.12	4108457.69	8.76E-05	1.60E-04	8.76E-06	1.36E-05	2.62E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.50E-06	1.24E-05	4.11E-07
3592	740447.3	4107675.35	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.53E-06	1.17E-07
3593	740409.68	4107699.27	2.57E-05	4.68E-05	2.57E-06	3.99E-06	7.68E-06	3.86E-07	3.88E-06	6.61E-06	4.90E-07	2.20E-06	3.64E-06	1.21E-07
3594	740372.05	4107723.19	2.64E-05	4.81E-05	2.64E-06	4.09E-06	7.88E-06	3.96E-07	3.98E-06	6.78E-06	5.03E-07	2.26E-06	3.74E-06	1.24E-07
3595	740316.86	4107314.29	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.96E-06	3.67E-07	1.65E-06	2.73E-06	9.06E-08
3596	740360.41	4107306.6	1.89E-05	3.45E-05	1.89E-06	2.93E-06	5.65E-06	2.84E-07	2.85E-06	4.86E-06	3.61E-07	1.62E-06	2.68E-06	8.89E-08
3597	740403.96	4107298.91	1.86E-05	3.40E-05	1.87E-06	2.89E-06	5.57E-06	2.80E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.76E-08
3598	740447.51	4107291.23	1.85E-05	3.36E-05	1.85E-06	2.86E-06	5.52E-06	2.77E-07	2.78E-06	4.75E-06	3.52E-07	1.58E-06	2.62E-06	8.68E-08
3599	740491.06	4107283.54	1.84E-05	3.35E-05	1.84E-06	2.85E-06	5.50E-06	2.76E-07	2.78E-06	4.73E-06	3.51E-07	1.58E-06	2.61E-06	8.65E-08
3600	740534.62	4107275.85	1.85E-05	3.37E-05	1.85E-06	2.87E-06	5.52E-06	2.77E-07	2.79E-06	4.75E-06	3.52E-07	1.58E-06	2.62E-06	8.68E-08
3601	740578.17	4107268.17	1.86E-05	3.40E-05	1.87E-06	2.89E-06	5.57E-06	2.80E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.76E-08
3602	740621.72	4107260.48	1.89E-05	3.44E-05	1.89E-06	2.93E-06	5.64E-06	2.83E-07	2.85E-06	4.85E-06	3.60E-07	1.62E-06	2.68E-06	8.87E-08
3603	740665.27	4107252.79	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.72E-06	2.87E-07	2.89E-06	4.92E-06	3.65E-07	1.64E-06	2.72E-06	9.00E-08
3604	740708.82	4107245.1	1.94E-05	3.54E-05	1.95E-06	3.02E-06	5.81E-06	2.92E-07	2.93E-06	5.00E-06	3.71E-07	1.67E-06	2.76E-06	9.14E-08
3605	740752.38	4107237.42	1.97E-05	3.59E-05	1.97E-06	3.05E-06	5.88E-06	2.95E-07	2.97E-06	5.06E-06	3.75E-07	1.69E-06	2.79E-06	9.25E-08
3606	740795.93	4107229.73	1.98E-05	3.62E-05	1.99E-06	3.08E-06	5.93E-06	2.98E-07	2.99E-06	5.10E-06	3.78E-07	1.70E-06	2.81E-06	9.33E-08
3607	740839.48	4107222.04	1.99E-05	3.63E-05	1.99E-06	3.09E-06	5.95E-06	2.99E-07	3.00E-06	5.12E-06	3.80E-07	1.71E-06	2.82E-06	9.36E-08
3608	740883.03	4107214.36	1.99E-05	3.63E-05	1.99E-06	3.09E-06	5.96E-06	2.99E-07	3.01E-06	5.12E-06	3.80E-07	1.71E-06	2.83E-06	9.37E-08
3609	740926.58	4107206.67	1.99E-05	3.62E-05	1.99E-06	3.08E-06	5.94E-06	2.98E-07	3.00E-06	5.11E-06	3.79E-07	1.70E-06	2.82E-06	9.34E-08
3610	740970.14	4107198.98	1.98E-05	3.61E-05	1.98E-06	3.07E-06	5.92E-06	2.97E-07	2.99E-06	5.09E-06	3.78E-07	1.70E-06	2.81E-06	9.31E-08
3611	741013.69	4107191.29	1.97E-05	3.60E-05	1.97E-06	3.06E-06	5.90E-06	2.96E-07	2.98E-06	5.07E-06	3.76E-07	1.69E-06	2.80E-06	9.27E-08
3612	741057.24	4107183.61	1.97E-05	3.59E-05	1.97E-06	3.06E-06	5.89E-06	2.96E-07	2.97E-06	5.06E-06	3.75E-07	1.69E-06	2.79E-06	9.26E-08
3613	741100.79	4107175.92	1.97E-05	3.60E-05	1.98E-06	3.06E-06	5.90E-06	2.96E-07	2.98E-06	5.08E-06	3.76E-07	1.69E-06	2.80E-06	9.28E-08
3614	741144.34	4107168.23	1.99E-05	3.62E-05	1.99E-06	3.08E-06	5.94E-06	2.98E-07	3.00E-06	5.11E-06	3.79E-07	1.70E-06	2.82E-06	9.34E-08
3615	741187.9	4107160.55	2.01E-05	3.66E-05	2.01E-06	3.12E-06	6.01E-06	3.02E-07	3.03E-06	5.17E-06	3.83E-07	1.72E-06	2.85E-06	9.45E-08
3616	741231.45	4107152.86	2.04E-05	3.72E-05	2.04E-06	3.17E-06	6.11E-06	3.07E-07	3.08E-06	5.25E-06	3.89E-07	1.75E-06	2.90E-06	9.60E-08
3617	741275	4107145.17	2.08E-05	3.79E-05	2.08E-06	3.23E-06	6.22E-06	3.13E-07	3.14E-06	5.35E-06	3.97E-07	1.78E-06	2.95E-06	9.79E-08

3618	741318.55	4107137.48	2.12E-05	3.87E-05	2.13E-06	3.30E-06	6.35E-06	3.19E-07	3.20E-06	5.46E-06	4.05E-07	1.82E-06	3.01E-06	9.99E-08
3619	741362.1	4107129.8	2.16E-05	3.94E-05	2.17E-06	3.36E-06	6.47E-06	3.25E-07	3.26E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
3620	741405.66	4107122.11	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.58E-06	3.30E-07	3.32E-06	5.66E-06	4.20E-07	1.89E-06	3.12E-06	1.03E-07
3621	741449.21	4107114.42	2.23E-05	4.06E-05	2.23E-06	3.46E-06	6.66E-06	3.35E-07	3.36E-06	5.73E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
3622	741492.76	4107106.74	2.25E-05	4.10E-05	2.25E-06	3.49E-06	6.72E-06	3.38E-07	3.39E-06	5.78E-06	4.29E-07	1.93E-06	3.19E-06	1.06E-07
3623	741536.31	4107099.05	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.75E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3624	741579.87	4107091.36	2.26E-05	4.13E-05	2.27E-06	3.51E-06	6.76E-06	3.40E-07	3.41E-06	5.82E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3625	741623.42	4107083.68	2.26E-05	4.13E-05	2.27E-06	3.51E-06	6.76E-06	3.40E-07	3.41E-06	5.82E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3626	741666.97	4107075.99	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.76E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3627	741710.52	4107068.3	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.76E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3628	741754.07	4107060.61	2.27E-05	4.13E-05	2.27E-06	3.52E-06	6.78E-06	3.40E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.22E-06	1.07E-07
3629	741797.63	4107052.93	2.28E-05	4.16E-05	2.28E-06	3.54E-06	6.82E-06	3.42E-07	3.44E-06	5.87E-06	4.35E-07	1.96E-06	3.24E-06	1.07E-07
3630	741841.18	4107045.24	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
3631	741884.73	4107037.55	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
3632	741928.28	4107029.87	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
3633	741971.83	4107022.18	2.39E-05	4.36E-05	2.39E-06	3.71E-06	7.14E-06	3.59E-07	3.61E-06	6.15E-06	4.56E-07	2.05E-06	3.39E-06	1.12E-07
3634	742015.39	4107014.49	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
3635	742058.94	4107006.8	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.15E-07
3636	742102.49	4106999.12	2.44E-05	4.45E-05	2.45E-06	3.79E-06	7.30E-06	3.67E-07	3.69E-06	6.28E-06	4.66E-07	2.09E-06	3.47E-06	1.15E-07
3637	742146.04	4106991.43	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.29E-06	3.66E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
3638	742189.59	4106983.74	2.43E-05	4.42E-05	2.43E-06	3.76E-06	7.25E-06	3.64E-07	3.66E-06	6.24E-06	4.63E-07	2.08E-06	3.44E-06	1.14E-07
3639	742233.15	4106976.06	2.41E-05	4.38E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.18E-06	4.58E-07	2.06E-06	3.41E-06	1.13E-07
3640	742276.7	4106968.37	2.38E-05	4.34E-05	2.38E-06	3.69E-06	7.11E-06	3.57E-07	3.59E-06	6.12E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
3641	742320.25	4106960.68	2.35E-05	4.29E-05	2.35E-06	3.65E-06	7.03E-06	3.53E-07	3.55E-06	6.05E-06	4.48E-07	2.02E-06	3.34E-06	1.11E-07
3642	742363.8	4106952.99	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
3643	742407.35	4106945.31	2.31E-05	4.21E-05	2.31E-06	3.58E-06	6.90E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
3644	742450.91	4106937.62	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
3645	742494.46	4106929.93	2.31E-05	4.21E-05	2.31E-06	3.58E-06	6.90E-06	3.47E-07	3.48E-06	5.94E-06	4.40E-07	1.98E-06	3.28E-06	1.09E-07
3646	742538.01	4106922.25	2.33E-05	4.25E-05	2.34E-06	3.62E-06	6.97E-06	3.50E-07	3.52E-06	6.00E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
3647	742599.71	4106927.2	2.42E-05	4.40E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.64E-06	6.21E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
3648	742636	4106952.47	2.52E-05	4.58E-05	2.52E-06	3.90E-06	7.52E-06	3.78E-07	3.79E-06	6.47E-06	4.79E-07	2.16E-06	3.57E-06	1.18E-07
3649	742672.29	4106977.75	2.63E-05	4.79E-05	2.63E-06	4.07E-06	7.85E-06	3.94E-07	3.96E-06	6.75E-06	5.00E-07	2.25E-06	3.72E-06	1.23E-07
3650	742708.58	4107003.03	2.74E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.05E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
3651	742744.87	4107028.3	2.86E-05	5.22E-05	2.87E-06	4.44E-06	8.56E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
3652	742781.16	4107053.58	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.90E-06	4.47E-07	4.49E-06	7.66E-06	5.68E-07	2.55E-06	4.23E-06	1.40E-07
3653	742817.45	4107078.86	3.09E-05	5.62E-05	3.09E-06	4.79E-06	9.22E-06	4.63E-07	4.65E-06	7.93E-06	5.88E-07	2.64E-06	4.38E-06	1.45E-07
3654	742853.74	4107104.14	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.48E-06	4.76E-07	4.78E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
3655	742890.03	4107129.41	3.24E-05	5.90E-05	3.24E-06	5.02E-06	9.66E-06	4.86E-07	4.88E-06	8.32E-06	6.16E-07	2.77E-06	4.59E-06	1.52E-07
3656	742926.32	4107154.69	3.27E-05	5.96E-05	3.27E-06	5.07E-06	9.77E-06	4.91E-07	4.93E-06	8.41E-06	6.23E-07	2.80E-06	4.64E-06	1.54E-07
3657	742962.6	4107179.97	3.28E-05	5.98E-05	3.28E-06	5.09E-06	9.80E-06	4.92E-07	4.95E-06	8.43E-06	6.25E-07	2.81E-06	4.65E-06	1.54E-07
3658	742998.89	4107205.24	3.27E-05	5.95E-05	3.27E-06	5.06E-06	9.75E-06	4.90E-07	4.92E-06	8.39E-06	6.22E-07	2.80E-06	4.63E-06	1.53E-07
3659	743035.18	4107230.52	3.24E-05	5.90E-05	3.24E-06	5.02E-06	9.67E-06	4.86E-07	4.88E-06	8.32E-06	6.17E-07	2.77E-06	4.59E-06	1.52E-07
3660	743071.47	4107255.8	3.20E-05	5.84E-05	3.20E-06	4.97E-06	9.57E-06	4.81E-07	4.83E-06	8.23E-06	6.10E-07	2.74E-06	4.54E-06	1.51E-07
3661	743107.76	4107281.07	3.18E-05	5.79E-05	3.18E-06	4.93E-06	9.49E-06	4.77E-07	4.79E-06	8.17E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
3662	743144.05	4107306.35	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.47E-06	4.76E-07	4.78E-06	8.15E-06	6.04E-07	2.72E-06	4.49E-06	1.49E-07
3663	743180.34	4107331.63	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.52E-06	4.78E-07	4.80E-06	8.19E-06	6.07E-07	2.73E-06	4.52E-06	1.50E-07
3664	743216.63	4107356.9	3.23E-05	5.89E-05	3.23E-06	5.01E-06	9.65E-06	4.85E-07	4.87E-06	8.30E-06	6.16E-07	2.77E-06	4.58E-06	1.52E-07
3665	743252.92	4107382.18	3.30E-05	6.01E-05	3.30E-06	5.12E-06	9.86E-06	4.95E-07	4.98E-06	8.48E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
3666	743289.21	4107407.46	3.38E-05	6.17E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.10E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
3667	743325.5	4107432.74	3.48E-05	6.34E-05	3.48E-06	5.40E-06	1.04E-05	5.22E-07	5.25E-06	8.94E-06	6.63E-07	2.98E-06	4.93E-06	1.63E-07
3668	743361.79	4107458.01	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.40E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
3669	743398.08	4107483.29	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.55E-06	9.45E-06	7.01E-07	3.15E-06	5.21E-06	1.73E-07
3670	743434.37	4107508.57	3.78E-05	6.89E-05	3.78E-06	5.86E-06	1.13E-05	5.67E-07	5.70E-06	9.71E-06	7.20E-07	3.24E-06	5.36E-06	1.78E-07
3671	743470.66	4107533.84	3.89E-05	7.08E-05	3.89E-06	6.03E-06	1.16E-05	5.83E-07	5.86E-06	9.99E-06	7.41E-07	3.33E-06	5.51E-06	1.83E-07
3672	743506.95	4107559.12	4.01E-05	7.30E-05	4.01E-06	6.21E-06	1.20E-05	6.01E-07	6.04E-06	1.03E-05	7.64E-07	3.43E-06	5.68E-06	1.88E-07
3673	743543.24	4107584.4	4.14E-05	7.54E-05	4.14E-06	6.42E-06	1.24E-05	6.21E-07	6.24E-06	1.06E-05	7.89E-07	3.55E-06	5.87E-06	1.94E-07
3674	743579.53	4107609.67	4.28E-05	7.80E-05	4.28E-06	6.64E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.16E-07	3.67E-06	6.07E-06	2.01E-07
3675	743615.82	4107634.95	4.44E-05	8.08E-05	4.44E-06	6.88E-06	1.33E-05	6.66E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
3676	743652.11	4107660.23	4.60E-05	8.37E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.93E-06	1.18E-05	8.76E-07	3.94E-06	6.52E-06	2.16E-07
3677	743688.4	4107685.51	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.17E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
3678	743724.69	4107710.78	4.92E-05	8.97E-05	4.92E-06	7.63E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
3679	743760.98	4107736.06	5.09E-05	9.27E-05	5.09E-06	7.89E-06	1.52E-05	7.63E-07	7.67E-06	1.31E-05	9.69E-07	4.36E-06	7.21E-06	2.39E-07
3680	743797.27	4107761.34	5.25E-05	9.57E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
3681	743833.56	4107786.61	5.43E-05	9.89E-05	5.43E-06	8.41E-06	1.62E-05	8.14E-07	8.18E-06	1.39E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
3682	743869.85	4107811.89	5.60E-05	1.02E-04	5.60E-06	8.68E-06	1.67E-05	8.40E-07	8.44E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
3683	743906.14	4107837.17	5.77E-05	1.05E-04	5.78E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.95E-06	8.18E-06	2.71E-07
3684	743942.43	4107862.44	5.94E-05	1.08E-04	5.94E-06	9.21E-06	1.77E-05	8.91E-07	8.95E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
3685	743978.72	4107887.72	6.08E-05	1.11E-04	6.09E-06	9.43E-06	1.82E-05	9.13E-07	9.17E-06	1.56E-05	1.16E-06	5.21E-06	8.62E-06	2.86E-07
3686	744015.01	4107913	6.20E-05	1.13E-04	6.20E-06	9.61E-06	1.85E-05	9.30E-07	9.35E-06	1.59E-05	1.18E-06	5.31E-06	8.79E-06	2.91E-07
3687	744051.3	4107938.27	6.28E-05	1.14E-04	6.29E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
3688	744087.59	4107963.55	6.33E-05	1.15E-04	6.34E-06	9.82E-06	1.89E-05	9.51E-07	9.55E-06	1.63E-05	1.21E-06	5.43E-06	8.98E-06	2.98E-07

3689	744123.88	4107988.83	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.02E-06	2.99E-07
3690	744160.17	4108014.11	6.38E-05	1.16E-04	6.38E-06	9.89E-06	1.90E-05	9.57E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.04E-06	3.00E-07
3691	744196.46	4108039.38	6.40E-05	1.17E-04	6.41E-06	9.93E-06	1.91E-05	9.61E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
3692	744232.75	4108064.66	6.45E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
3693	744269.04	4108089.94	6.53E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.81E-07	9.85E-06	1.68E-05	1.25E-06	5.60E-06	9.26E-06	3.07E-07
3694	744305.33	4108115.21	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
3695	744341.62	4108140.49	6.76E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.59E-06	3.18E-07
3696	744377.91	4108165.77	6.89E-05	1.26E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.77E-06	3.24E-07
3697	744414.2	4108191.04	7.00E-05	1.27E-04	7.00E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.92E-06	3.29E-07
3698	744450.49	4108216.32	7.08E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
3699	744486.78	4108241.6	7.13E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
3700	740232.71	4107337.78	2.02E-05	3.68E-05	2.02E-06	3.13E-06	6.03E-06	3.03E-07	3.04E-06	5.19E-06	3.85E-07	1.73E-06	2.86E-06	9.49E-08
3701	740195.09	4107361.7	2.08E-05	3.79E-05	2.08E-06	3.22E-06	6.21E-06	3.12E-07	3.14E-06	5.34E-06	3.96E-07	1.78E-06	2.95E-06	9.77E-08
3702	740157.46	4107385.62	2.13E-05	3.89E-05	2.13E-06	3.31E-06	6.37E-06	3.20E-07	3.22E-06	5.48E-06	4.06E-07	1.83E-06	3.02E-06	1.00E-07
3703	741778.38	4110028.65	5.36E-03	9.76E-03	5.36E-04	8.31E-04	1.60E-03	8.04E-05	8.08E-04	1.38E-03	1.02E-04	4.59E-04	7.60E-04	2.52E-05
3704	741802.6	4110066.63	6.80E-03	1.24E-02	6.81E-04	1.06E-03	2.03E-03	1.02E-04	1.03E-03	1.75E-03	1.30E-04	5.83E-04	9.65E-04	3.20E-05
3705	741826.83	4110104.6	7.11E-03	1.30E-02	7.11E-04	1.10E-03	2.12E-03	1.07E-04	1.07E-03	1.83E-03	1.35E-04	6.09E-04	1.01E-03	3.34E-05
3706	741838.94	4110123.59	6.89E-03	1.25E-02	6.89E-04	1.07E-03	2.06E-03	1.03E-04	1.04E-03	1.77E-03	1.31E-04	5.90E-04	9.76E-04	3.24E-05
3707	741851.06	4110142.58	6.40E-03	1.17E-02	6.40E-04	9.92E-04	1.91E-03	9.60E-05	9.65E-04	1.65E-03	1.22E-04	5.48E-04	9.07E-04	3.01E-05
3708	741863.17	4110161.57	5.65E-03	1.03E-02	5.65E-04	8.76E-04	1.69E-03	8.48E-05	8.52E-04	1.45E-03	1.08E-04	4.84E-04	8.01E-04	2.65E-05
3709	741875.28	4110180.55	4.70E-03	8.57E-03	4.70E-04	7.29E-04	1.40E-03	7.06E-05	7.09E-04	1.21E-03	8.96E-05	4.03E-04	6.67E-04	2.21E-05
3710	741887.4	4110199.54	3.72E-03	6.78E-03	3.73E-04	5.77E-04	1.11E-03	5.59E-05	5.61E-04	9.57E-04	7.10E-05	3.19E-04	5.28E-04	1.75E-05
3711	741750.64	4110004.38	3.83E-03	6.98E-03	3.83E-04	5.94E-04	1.14E-03	5.75E-05	5.78E-04	9.85E-04	7.30E-05	3.28E-04	5.43E-04	1.80E-05
3712	741805.75	4110118.05	5.34E-03	9.74E-03	5.35E-04	8.29E-04	1.60E-03	8.02E-05	8.06E-04	1.37E-03	1.02E-04	4.58E-04	7.58E-04	2.51E-05
3713	741817.87	4110137.04	5.15E-03	9.39E-03	5.15E-04	7.99E-04	1.54E-03	7.73E-05	7.77E-04	1.32E-03	9.82E-05	4.41E-04	7.30E-04	2.42E-05
3714	741829.98	4110156.02	4.80E-03	8.75E-03	4.80E-04	7.44E-04	1.43E-03	7.21E-05	7.24E-04	1.23E-03	9.15E-05	4.11E-04	6.81E-04	2.26E-05
3715	741842.09	4110175.01	4.32E-03	7.87E-03	4.32E-04	6.70E-04	1.29E-03	6.48E-05	6.51E-04	1.11E-03	8.23E-05	3.70E-04	6.12E-04	2.03E-05
3716	741854.21	4110194	3.73E-03	6.79E-03	3.73E-04	5.78E-04	1.11E-03	5.59E-05	5.62E-04	9.58E-04	7.10E-05	3.19E-04	5.28E-04	1.75E-05
3717	741866.32	4110212.99	3.09E-03	5.64E-03	3.10E-04	4.80E-04	9.24E-04	4.64E-05	4.67E-04	7.95E-04	5.90E-05	2.65E-04	4.39E-04	1.45E-05
3718	741736.22	4110055.54	3.69E-03	6.73E-03	3.70E-04	5.73E-04	1.10E-03	5.54E-05	5.57E-04	9.50E-04	7.04E-05	3.17E-04	5.24E-04	1.74E-05
3719	741760.45	4110093.52	4.19E-03	7.63E-03	4.19E-04	6.49E-04	1.25E-03	6.28E-05	6.31E-04	1.08E-03	7.97E-05	3.59E-04	5.93E-04	1.97E-05
3720	741784.68	4110131.49	4.19E-03	7.63E-03	4.19E-04	6.49E-04	1.25E-03	6.28E-05	6.31E-04	1.08E-03	7.98E-05	3.59E-04	5.94E-04	1.97E-05
3721	741796.79	4110150.48	4.03E-03	7.34E-03	4.03E-04	6.24E-04	1.20E-03	6.04E-05	6.07E-04	1.04E-03	7.67E-05	3.45E-04	5.71E-04	1.89E-05
3722	741808.9	4110169.47	3.78E-03	6.89E-03	3.78E-04	5.86E-04	1.13E-03	5.67E-05	5.70E-04	9.72E-04	7.20E-05	3.24E-04	5.36E-04	1.78E-05
3723	741821.02	4110188.46	3.46E-03	6.30E-03	3.46E-04	5.36E-04	1.03E-03	5.19E-05	5.21E-04	8.89E-04	6.59E-05	2.96E-04	4.90E-04	1.62E-05
3724	741833.13	4110207.45	3.06E-03	5.57E-03	3.06E-04	4.74E-04	9.13E-04	4.59E-05	4.61E-04	7.86E-04	5.83E-05	2.62E-04	4.33E-04	1.44E-05
3725	741845.24	4110226.43	2.62E-03	4.77E-03	2.62E-04	4.06E-04	7.83E-04	3.93E-05	3.95E-04	6.73E-04	4.99E-05	2.24E-04	3.71E-04	1.23E-05
3726	741707.08	4109922.22	1.93E-03	3.52E-03	1.94E-04	3.00E-04	5.78E-04	2.90E-05	2.92E-04	4.97E-04	3.69E-05	1.66E-04	2.74E-04	9.09E-06
3727	741694.07	4110082.43	2.68E-03	4.88E-03	2.68E-04	4.16E-04	8.01E-04	4.02E-05	4.04E-04	6.89E-04	5.11E-05	2.30E-04	3.80E-04	1.26E-05
3728	741718.3	4110120.41	2.86E-03	5.21E-03	2.86E-04	4.44E-04	8.55E-04	4.29E-05	4.31E-04	7.36E-04	5.45E-05	2.45E-04	4.06E-04	1.34E-05
3729	741742.53	4110158.39	2.81E-03	5.12E-03	2.81E-04	4.35E-04	8.39E-04	4.21E-05	4.23E-04	7.22E-04	5.35E-05	2.41E-04	3.98E-04	1.32E-05
3730	741766.75	4110196.36	2.58E-03	4.70E-03	2.58E-04	4.00E-04	7.71E-04	3.87E-05	3.89E-04	6.63E-04	4.91E-05	2.21E-04	3.66E-04	1.21E-05
3731	741778.87	4110215.35	2.41E-03	4.39E-03	2.41E-04	3.74E-04	7.20E-04	3.62E-05	3.63E-04	6.19E-04	4.59E-05	2.06E-04	3.42E-04	1.13E-05
3732	741790.98	4110234.34	2.20E-03	4.00E-03	2.20E-04	3.41E-04	6.56E-04	3.30E-05	3.31E-04	5.65E-04	4.19E-05	1.88E-04	3.11E-04	1.03E-05
3733	741803.09	4110253.32	1.95E-03	3.56E-03	1.96E-04	3.03E-04	5.84E-04	2.93E-05	2.95E-04	5.02E-04	3.72E-05	1.67E-04	2.77E-04	9.18E-06
3734	741648.11	4110087.77	2.06E-03	3.75E-03	2.06E-04	3.19E-04	6.14E-04	3.09E-05	3.10E-04	5.29E-04	3.92E-05	1.76E-04	2.92E-04	9.66E-06
3735	741640.5	4110044.66	2.05E-03	3.74E-03	2.05E-04	3.18E-04	6.13E-04	3.08E-05	3.09E-04	5.27E-04	3.91E-05	1.76E-04	2.91E-04	9.64E-06
3736	741632.89	4110001.55	1.90E-03	3.47E-03	1.90E-04	2.95E-04	5.69E-04	2.86E-05	2.87E-04	4.89E-04	3.63E-05	1.63E-04	2.70E-04	8.95E-06
3737	741637.84	4109940.51	1.62E-03	2.96E-03	1.62E-04	2.52E-04	4.85E-04	2.44E-05	2.45E-04	4.17E-04	3.09E-05	1.39E-04	2.30E-04	7.63E-06
3738	741688.1	4109868.82	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.03E-05	2.04E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.34E-06
3739	741664.03	4110128.31	2.07E-03	3.77E-03	2.07E-04	3.20E-04	6.17E-04	3.10E-05	3.12E-04	5.31E-04	3.94E-05	1.77E-04	2.93E-04	9.71E-06
3740	741676.15	4110147.3	2.09E-03	3.80E-03	2.09E-04	3.23E-04	6.23E-04	3.13E-05	3.14E-04	5.36E-04	3.97E-05	1.79E-04	2.96E-04	9.80E-06
3741	741688.26	4110166.29	2.07E-03	3.78E-03	2.08E-04	3.22E-04	6.20E-04	3.11E-05	3.13E-04	5.33E-04	3.95E-05	1.78E-04	2.94E-04	9.75E-06
3742	741700.37	4110185.28	2.04E-03	3.72E-03	2.04E-04	3.17E-04	6.10E-04	3.07E-05	3.08E-04	5.25E-04	3.89E-05	1.75E-04	2.90E-04	9.60E-06
3743	741712.49	4110204.26	1.99E-03	3.63E-03	1.99E-04	3.09E-04	5.94E-04	2.99E-05	3.00E-04	5.11E-04	3.79E-05	1.70E-04	2.82E-04	9.35E-06
3744	741724.6	4110223.25	1.91E-03	3.49E-03	1.91E-04	2.97E-04	5.72E-04	2.87E-05	2.89E-04	4.92E-04	3.65E-05	1.64E-04	2.71E-04	8.99E-06
3745	741736.71	4110242.24	1.81E-03	3.30E-03	1.81E-04	2.81E-04	5.41E-04	2.72E-05	2.73E-04	4.65E-04	3.45E-05	1.55E-04	2.57E-04	8.51E-06
3746	741748.83	4110261.23	1.68E-03	3.06E-03	1.68E-04	2.60E-04	5.02E-04	2.52E-05	2.53E-04	4.32E-04	3.20E-05	1.44E-04	2.38E-04	7.89E-06
3747	741760.94	4110280.22	1.53E-03	2.79E-03	1.53E-04	2.37E-04	4.57E-04	2.29E-05	2.30E-04	3.93E-04	2.91E-05	1.31E-04	2.17E-04	7.18E-06
3748	741587.57	4110010.48	1.59E-03	2.89E-03	1.59E-04	2.46E-04	4.74E-04	2.38E-05	2.39E-04	4.08E-04	3.02E-05	1.36E-04	2.25E-04	7.45E-06
3749	741613.11	4109895.33	1.23E-03	2.24E-03	1.23E-04	1.90E-04	3.67E-04	1.84E-05	1.85E-04	3.16E-04	2.34E-05	1.05E-04	1.74E-04	5.77E-06
3750	741637.55	4109860.48	1.12E-03	2.04E-03	1.12E-04	1.73E-04	3.34E-04	1.68E-05	1.68E-04	2.87E-04	2.13E-05	9.57E-05	1.58E-04	5.25E-06
3751	741609.77	4110136.22	1.57E-03	2.86E-03	1.57E-04	2.43E-04	4.69E-04	2.36E-05	2.37E-04	4.04E-04	2.99E-05	1.35E-04	2.23E-04	7.38E-06
3752	741633.99	4110174.19	1.59E-03	2.90E-03	1.60E-04	2.47E-04	4.76E-04	2.39E-05	2.40E-04	4.10E-04	3.04E-05	1.37E-04	2.26E-04	7.49E-06
3753	741658.22	4110212.17	1.58E-03	2.87E-03	1.58E-04	2.45E-04	4.71E-04	2.37E-05	2.38E-04	4.05E-04	3.01E-05	1.35E-04	2.24E-04	7.41E-06
3754	741670.33	4110231.16	1.55E-03	2.82E-03	1.55E-04	2.40E-04	4.62E-04	2.32E-05	2.33E-04	3.98E-04	2.95E-05	1.33E-04	2.19E-04	7.27E-06
3755	741682.45	4110250.14	1.50E-03	2.73E-03	1.50E-04	2.33E-04	4.48E-04	2.25E-05	2.26E-04	3.86E-04	2.86E-05	1.29E-04	2.13E-04	7.05E-06
3756	741694.56	4110269.13	1.43E-03	2.61E-03	1.43E-04	2.22E-04	4.28E-04	2.15E-05	2.16E-04	3.68E-04	2.73E-05	1.23E-04	2.03E-04	6.73E-06
3757	741718.79	4110307.11	1.24E-03	2.26E-03	1.24E-04	1.92E-04	3.70E-04	1.86E-05	1.87E-04	3.18E-04	2.36E-05	1.06E-04	1.76E-04	5.82E-06
3758	741563.98	4110142.53	1.29E-03	2.35E-03	1.29E-04	2.00E-04	3.86E-04	1.94E-05	1.95E-04	3.32E-04	2.46E-05	1.11E-04	1.83E-04	6.07E-06
3759	741556.72	4110101.38	1.36E-03	2.47E-03	1.36E-04	2.10E-04	4.05E-04	2.04E-05	2.05E-04	3.49E-04	2.59E-05	1.16E-04	1.92E-04	6.38E-06

3760	741549.45	4110060.23	1.38E-03	2.52E-03	1.38E-04	2.14E-04	4.13E-04	2.08E-05	2.09E-04	3.55E-04	2.64E-05	1.18E-04	1.96E-04	6.50E-06
3761	741542.18	4110019.08	1.34E-03	2.44E-03	1.34E-04	2.08E-04	4.00E-04	2.01E-05	2.02E-04	3.44E-04	2.55E-05	1.15E-04	1.90E-04	6.30E-06
3762	741534.92	4109977.93	1.24E-03	2.25E-03	1.24E-04	1.92E-04	3.69E-04	1.86E-05	1.86E-04	3.18E-04	2.36E-05	1.06E-04	1.75E-04	5.81E-06
3763	741539.65	4109919.67	1.09E-03	1.98E-03	1.09E-04	1.69E-04	3.25E-04	1.63E-05	1.64E-04	2.80E-04	2.07E-05	9.32E-05	1.54E-04	5.11E-06
3764	741599.62	4109834.13	9.07E-04	1.65E-03	9.08E-05	1.41E-04	2.71E-04	1.36E-05	1.37E-04	2.33E-04	1.73E-05	7.77E-05	1.29E-04	4.26E-06
3765	741623.61	4109799.91	8.34E-04	1.52E-03	8.34E-05	1.29E-04	2.49E-04	1.25E-05	1.26E-04	2.14E-04	1.59E-05	7.15E-05	1.18E-04	3.92E-06
3766	741579.73	4110182.1	1.26E-03	2.30E-03	1.26E-04	1.96E-04	3.77E-04	1.89E-05	1.90E-04	3.24E-04	2.40E-05	1.08E-04	1.79E-04	5.93E-06
3767	741591.84	4110201.08	1.27E-03	2.31E-03	1.27E-04	1.97E-04	3.79E-04	1.90E-05	1.91E-04	3.26E-04	2.42E-05	1.09E-04	1.80E-04	5.96E-06
3768	741603.95	4110220.07	1.27E-03	2.32E-03	1.27E-04	1.97E-04	3.80E-04	1.91E-05	1.92E-04	3.27E-04	2.42E-05	1.09E-04	1.80E-04	5.98E-06
3769	741616.07	4110239.06	1.27E-03	2.31E-03	1.27E-04	1.96E-04	3.78E-04	1.90E-05	1.91E-04	3.26E-04	2.41E-05	1.09E-04	1.80E-04	5.95E-06
3770	741628.18	4110258.05	1.25E-03	2.28E-03	1.25E-04	1.94E-04	3.73E-04	1.88E-05	1.88E-04	3.21E-04	2.38E-05	1.07E-04	1.77E-04	5.87E-06
3771	741640.29	4110277.04	1.22E-03	2.22E-03	1.22E-04	1.89E-04	3.64E-04	1.83E-05	1.84E-04	3.13E-04	2.32E-05	1.04E-04	1.73E-04	5.73E-06
3772	741652.41	4110296.02	1.17E-03	2.13E-03	1.17E-04	1.82E-04	3.50E-04	1.76E-05	1.77E-04	3.01E-04	2.23E-05	1.00E-04	1.66E-04	5.51E-06
3773	741664.52	4110315.01	1.11E-03	2.02E-03	1.11E-04	1.72E-04	3.31E-04	1.66E-05	1.67E-04	2.85E-04	2.11E-05	9.50E-05	1.57E-04	5.21E-06
3774	741676.63	4110334	1.03E-03	1.88E-03	1.03E-04	1.60E-04	3.09E-04	1.55E-05	1.56E-04	2.66E-04	1.97E-05	8.85E-05	1.46E-04	4.85E-06
3775	741479.5	4110195.34	8.80E-04	1.60E-03	8.81E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.54E-05	1.25E-04	4.14E-06
3776	741471.89	4110152.23	9.37E-04	1.71E-03	9.38E-05	1.45E-04	2.80E-04	1.41E-05	1.41E-04	2.41E-04	1.79E-05	8.03E-05	1.33E-04	4.40E-06
3777	741464.28	4110109.11	9.93E-04	1.81E-03	9.94E-05	1.54E-04	2.97E-04	1.49E-05	1.50E-04	2.55E-04	1.89E-05	8.51E-05	1.41E-04	4.67E-06
3778	741456.67	4110066	1.02E-03	1.85E-03	1.02E-04	1.57E-04	3.03E-04	1.52E-05	1.53E-04	2.61E-04	1.94E-05	8.70E-05	1.44E-04	4.77E-06
3779	741449.06	4110022.89	9.88E-04	1.80E-03	9.89E-05	1.53E-04	2.95E-04	1.48E-05	1.49E-04	2.54E-04	1.88E-05	8.47E-05	1.40E-04	4.64E-06
3780	741441.44	4109979.78	9.22E-04	1.68E-03	9.23E-05	1.43E-04	2.76E-04	1.38E-05	1.39E-04	2.37E-04	1.76E-05	7.90E-05	1.31E-04	4.33E-06
3781	741433.83	4109936.67	8.40E-04	1.53E-03	8.41E-05	1.30E-04	2.51E-04	1.26E-05	1.27E-04	2.16E-04	1.60E-05	7.20E-05	1.19E-04	3.95E-06
3782	741442.59	4109897.19	7.88E-04	1.44E-03	7.88E-05	1.22E-04	2.35E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.75E-05	1.12E-04	3.70E-06
3783	741505.42	4109807.58	6.79E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.82E-05	9.62E-05	3.19E-06
3784	741530.55	4109771.73	6.22E-04	1.13E-03	6.22E-05	9.65E-05	1.86E-04	9.33E-06	9.38E-05	1.60E-04	1.19E-05	5.33E-05	8.82E-05	2.92E-06
3785	741555.68	4109735.89	5.66E-04	1.03E-03	5.66E-05	8.78E-05	1.69E-04	8.49E-06	8.53E-05	1.45E-04	1.08E-05	4.85E-05	8.02E-05	2.66E-06
3786	741580.81	4109700.04	5.11E-04	9.32E-04	5.12E-05	7.93E-05	1.53E-04	7.67E-06	7.71E-05	1.31E-04	9.74E-06	4.38E-05	7.25E-05	2.40E-06
3787	741495.42	4110235.88	8.65E-04	1.58E-03	8.65E-05	1.34E-04	2.58E-04	1.30E-05	1.30E-04	2.22E-04	1.65E-05	7.41E-05	1.23E-04	4.06E-06
3788	741519.65	4110273.86	8.80E-04	1.60E-03	8.80E-05	1.36E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.54E-05	1.25E-04	4.14E-06
3789	741531.76	4110292.84	8.82E-04	1.61E-03	8.82E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.27E-04	1.68E-05	7.55E-05	1.25E-04	4.14E-06
3790	741543.88	4110311.83	8.77E-04	1.60E-03	8.77E-05	1.36E-04	2.62E-04	1.32E-05	1.32E-04	2.25E-04	1.67E-05	7.51E-05	1.24E-04	4.12E-06
3791	741555.99	4110330.82	8.63E-04	1.57E-03	8.63E-05	1.34E-04	2.58E-04	1.29E-05	1.30E-04	2.22E-04	1.64E-05	7.39E-05	1.22E-04	4.05E-06
3792	741568.1	4110349.81	8.39E-04	1.53E-03	8.40E-05	1.30E-04	2.51E-04	1.26E-05	1.27E-04	2.16E-04	1.60E-05	7.19E-05	1.19E-04	3.94E-06
3793	741580.22	4110368.79	8.05E-04	1.47E-03	8.06E-05	1.25E-04	2.41E-04	1.21E-05	1.21E-04	2.07E-04	1.53E-05	6.90E-05	1.14E-04	3.78E-06
3794	741592.33	4110387.78	7.63E-04	1.39E-03	7.63E-05	1.18E-04	2.28E-04	1.14E-05	1.15E-04	1.96E-04	1.45E-05	6.54E-05	1.08E-04	3.59E-06
3795	741395.3	4110249.72	6.46E-04	1.18E-03	6.47E-05	1.00E-04	1.93E-04	9.70E-06	9.74E-05	1.66E-04	1.23E-05	5.54E-05	9.16E-05	3.04E-06
3796	741387.9	4110207.8	6.77E-04	1.23E-03	6.77E-05	1.05E-04	2.02E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.80E-05	9.60E-05	3.18E-06
3797	741380.5	4110165.89	7.21E-04	1.31E-03	7.22E-05	1.12E-04	2.15E-04	1.08E-05	1.09E-04	1.85E-04	1.37E-05	6.18E-05	1.02E-04	3.39E-06
3798	741373.1	4110123.98	7.65E-04	1.39E-03	7.66E-05	1.19E-04	2.29E-04	1.15E-05	1.15E-04	1.97E-04	1.46E-05	6.56E-05	1.09E-04	3.60E-06
3799	741365.7	4110082.06	7.89E-04	1.44E-03	7.90E-05	1.22E-04	2.36E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.76E-05	1.12E-04	3.71E-06
3800	741358.3	4110040.15	7.80E-04	1.42E-03	7.80E-05	1.21E-04	2.33E-04	1.17E-05	1.18E-04	2.00E-04	1.49E-05	6.68E-05	1.11E-04	3.66E-06
3801	741350.9	4109998.24	7.40E-04	1.35E-03	7.41E-05	1.15E-04	2.21E-04	1.11E-05	1.12E-04	1.90E-04	1.41E-05	6.34E-05	1.05E-04	3.48E-06
3802	741343.5	4109956.32	6.87E-04	1.25E-03	6.88E-05	1.07E-04	2.05E-04	1.03E-05	1.04E-04	1.77E-04	1.31E-05	5.89E-05	9.74E-05	3.23E-06
3803	741336.1	4109914.41	6.32E-04	1.15E-03	6.33E-05	9.81E-05	1.89E-04	9.49E-06	9.54E-05	1.63E-04	1.21E-05	5.42E-05	8.97E-05	2.97E-06
3804	741344.62	4109876.03	6.02E-04	1.10E-03	6.02E-05	9.34E-05	1.80E-04	9.03E-06	9.08E-05	1.55E-04	1.15E-05	5.16E-05	8.54E-05	2.83E-06
3805	741405.7	4109788.9	5.43E-04	9.90E-04	5.43E-05	8.42E-05	1.62E-04	8.15E-06	8.19E-05	1.40E-04	1.03E-05	4.65E-05	7.70E-05	2.55E-06
3806	741430.13	4109754.05	5.05E-04	9.19E-04	5.05E-05	7.82E-05	1.51E-04	7.57E-06	7.61E-05	1.30E-04	9.61E-06	4.32E-05	7.15E-05	2.37E-06
3807	741454.56	4109719.2	4.61E-04	8.39E-04	4.61E-05	7.14E-05	1.38E-04	6.91E-06	6.95E-05	1.18E-04	8.78E-06	3.95E-05	6.53E-05	2.16E-06
3808	741479	4109684.35	4.18E-04	7.61E-04	4.18E-05	6.48E-05	1.25E-04	6.27E-06	6.30E-05	1.07E-04	7.96E-06	3.58E-05	5.92E-05	1.96E-06
3809	741503.43	4109649.5	3.81E-04	6.95E-04	3.82E-05	5.91E-05	1.14E-04	5.72E-06	5.75E-05	9.80E-05	7.27E-06	3.27E-05	5.41E-05	1.79E-06
3810	741527.86	4109614.65	3.49E-04	6.36E-04	3.49E-05	5.41E-05	1.04E-04	5.24E-06	5.26E-05	8.97E-05	6.65E-06	2.99E-05	4.95E-05	1.64E-06
3811	741411.12	4110289.66	6.43E-04	1.17E-03	6.43E-05	9.97E-05	1.92E-04	9.65E-06	9.69E-05	1.65E-04	1.22E-05	5.51E-05	9.11E-05	3.02E-06
3812	741423.23	4110308.65	6.50E-04	1.18E-03	6.50E-05	1.01E-04	1.94E-04	9.76E-06	9.80E-05	1.67E-04	1.24E-05	5.57E-05	9.22E-05	3.06E-06
3813	741435.34	4110327.64	6.56E-04	1.20E-03	6.57E-05	1.02E-04	1.96E-04	9.85E-06	9.90E-05	1.69E-04	1.25E-05	5.62E-05	9.31E-05	3.08E-06
3814	741447.46	4110346.63	6.60E-04	1.20E-03	6.60E-05	1.02E-04	1.97E-04	9.90E-06	9.95E-05	1.70E-04	1.26E-05	5.65E-05	9.35E-05	3.10E-06
3815	741471.68	4110384.6	6.51E-04	1.19E-03	6.52E-05	1.01E-04	1.95E-04	9.78E-06	9.82E-05	1.67E-04	1.24E-05	5.58E-05	9.24E-05	3.06E-06
3816	741483.8	4110403.59	6.38E-04	1.16E-03	6.38E-05	9.89E-05	1.91E-04	9.57E-06	9.62E-05	1.64E-04	1.22E-05	5.47E-05	9.04E-05	3.00E-06
3817	741495.91	4110422.58	6.18E-04	1.13E-03	6.19E-05	9.59E-05	1.85E-04	9.28E-06	9.32E-05	1.59E-04	1.18E-05	5.30E-05	8.77E-05	2.91E-06
3818	741508.02	4110441.56	5.93E-04	1.08E-03	5.94E-05	9.20E-05	1.77E-04	8.91E-06	8.95E-05	1.53E-04	1.13E-05	5.08E-05	8.41E-05	2.79E-06
3819	741310.89	4110302.9	5.02E-04	9.15E-04	5.02E-05	7.79E-05	1.50E-04	7.54E-06	7.57E-05	1.29E-04	9.57E-06	4.30E-05	7.12E-05	2.36E-06
3820	741303.28	4110259.79	5.18E-04	9.44E-04	5.18E-05	8.03E-05	1.55E-04	7.77E-06	7.81E-05	1.33E-04	9.87E-06	4.44E-05	7.34E-05	2.43E-06
3821	741295.67	4110216.68	5.46E-04	9.94E-04	5.46E-05	8.46E-05	1.63E-04	8.19E-06	8.23E-05	1.40E-04	1.04E-05	4.68E-05	7.74E-05	2.56E-06
3822	741288.06	4110173.57	5.83E-04	1.06E-03	5.84E-05	9.05E-05	1.74E-04	8.76E-06	8.80E-05	1.50E-04	1.11E-05	5.00E-05	8.27E-05	2.74E-06
3823	741280.45	4110130.46	6.20E-04	1.13E-03	6.20E-05	9.61E-05	1.85E-04	9.30E-06	9.34E-05	1.59E-04	1.18E-05	5.31E-05	8.79E-05	2.91E-06
3824	741272.83	4110087.35	6.38E-04	1.16E-03	6.39E-05	9.90E-05	1.91E-04	9.58E-06	9.62E-05	1.64E-04	1.22E-05	5.47E-05	9.05E-05	3.00E-06
3825	741265.22	4110044.24	6.29E-04	1.15E-03	6.30E-05	9.76E-05	1.88E-04	9.44E-06	9.49E-05	1.62E-04	1.20E-05	5.39E-05	8.92E-05	2.96E-06
3826	741257.61	4110001.13	5.97E-04	1.09E-03	5.98E-05	9.26E-05	1.78E-04	8.96E-06	9.01E-05	1.54E-04	1.14E-05	5.12E-05	8.47E-05	2.81E-06
3827	741250	4109958.02	5.56E-04	1.01E-03	5.56E-05	8.62E-05	1.66E-04	8.35E-06	8.39E-05	1.43E-04	1.06E-05	4.77E-05	7.88E-05	2.61E-06
3828	741242.39	4109914.9	5.16E-04	9.41E-04	5.17E-05	8.01E-05	1.54E-04	7.75E-06	7.79E-05	1.33E-04	9.84E-06	4.42E-05	7.32E-05	2.43E-06
3829	741247.34	4109853.87	4.79E-04	8.73E-04	4.79E-05	7.43E-05	1.43E-04	7.19E-06	7.22E-05	1.23E-04	9.12E-06	4.10E-05	6.79E-05	2.25E-06
3830	741310.17	4109764.26	4.43E-04	8.08E-04	4.43E-05	6.87E-05	1.32E-04	6.65E-06	6.68E-05	1.14E-04	8.45E-06	3.80E-05	6.28E-05	2.08E-06

3831	741335.3	4109728.41	4.15E-04	7.57E-04	4.15E-05	6.44E-05	1.24E-04	6.23E-06	6.26E-05	1.07E-04	7.91E-06	3.56E-05	5.89E-05	1.95E-06
3832	741360.43	4109692.56	3.80E-04	6.93E-04	3.81E-05	5.90E-05	1.14E-04	5.71E-06	5.74E-05	9.78E-05	7.25E-06	3.26E-05	5.39E-05	1.79E-06
3833	741385.56	4109656.72	3.43E-04	6.26E-04	3.44E-05	5.32E-05	1.03E-04	5.15E-06	5.18E-05	8.83E-05	6.54E-06	2.94E-05	4.87E-05	1.61E-06
3834	741410.69	4109620.87	3.11E-04	5.67E-04	3.12E-05	4.83E-05	9.30E-05	4.67E-06	4.70E-05	8.00E-05	5.93E-06	2.67E-05	4.41E-05	1.46E-06
3835	741435.82	4109585.03	2.87E-04	5.23E-04	2.87E-05	4.45E-05	8.57E-05	4.30E-06	4.33E-05	7.37E-05	5.47E-06	2.46E-05	4.07E-05	1.35E-06
3836	741460.95	4109549.18	2.66E-04	4.85E-04	2.67E-05	4.13E-05	7.96E-05	4.00E-06	4.02E-05	6.85E-05	5.08E-06	2.28E-05	3.78E-05	1.25E-06
3837	741326.81	4110343.45	5.03E-04	9.16E-04	5.03E-05	7.80E-05	1.50E-04	7.55E-06	7.58E-05	1.29E-04	9.58E-06	4.31E-05	7.13E-05	2.36E-06
3838	741338.92	4110362.43	5.09E-04	9.27E-04	5.09E-05	7.89E-05	1.52E-04	7.63E-06	7.67E-05	1.31E-04	9.69E-06	4.36E-05	7.21E-05	2.39E-06
3839	741351.04	4110381.42	5.14E-04	9.36E-04	5.14E-05	7.97E-05	1.54E-04	7.71E-06	7.75E-05	1.32E-04	9.79E-06	4.40E-05	7.29E-05	2.41E-06
3840	741363.15	4110400.41	5.17E-04	9.43E-04	5.18E-05	8.02E-05	1.55E-04	7.76E-06	7.80E-05	1.33E-04	9.86E-06	4.43E-05	7.33E-05	2.43E-06
3841	741375.26	4110419.4	5.18E-04	9.43E-04	5.18E-05	8.03E-05	1.55E-04	7.77E-06	7.81E-05	1.33E-04	9.87E-06	4.44E-05	7.34E-05	2.43E-06
3842	741387.38	4110438.38	5.14E-04	9.37E-04	5.15E-05	7.98E-05	1.54E-04	7.72E-06	7.76E-05	1.32E-04	9.80E-06	4.41E-05	7.29E-05	2.42E-06
3843	741411.6	4110476.36	4.94E-04	9.00E-04	4.94E-05	7.66E-05	1.48E-04	7.42E-06	7.45E-05	1.27E-04	9.42E-06	4.23E-05	7.01E-05	2.32E-06
3844	741423.72	4110495.35	4.78E-04	8.70E-04	4.78E-05	7.41E-05	1.43E-04	7.17E-06	7.20E-05	1.23E-04	9.10E-06	4.09E-05	6.77E-05	2.24E-06
3845	741226.51	4110356.24	4.06E-04	7.39E-04	4.06E-05	6.29E-05	1.21E-04	6.09E-06	6.12E-05	1.04E-04	7.73E-06	3.48E-05	5.75E-05	1.91E-06
3846	741218.74	4110312.23	4.15E-04	7.56E-04	4.15E-05	6.43E-05	1.24E-04	6.22E-06	6.25E-05	1.07E-04	7.90E-06	3.55E-05	5.88E-05	1.95E-06
3847	741210.97	4110268.22	4.30E-04	7.84E-04	4.31E-05	6.67E-05	1.29E-04	6.46E-06	6.49E-05	1.11E-04	8.20E-06	3.69E-05	6.10E-05	2.02E-06
3848	741203.2	4110224.21	4.56E-04	8.30E-04	4.56E-05	7.07E-05	1.36E-04	6.84E-06	6.87E-05	1.17E-04	8.68E-06	3.90E-05	6.46E-05	2.14E-06
3849	741195.43	4110180.2	4.88E-04	8.89E-04	4.88E-05	7.57E-05	1.46E-04	7.33E-06	7.36E-05	1.25E-04	9.30E-06	4.18E-05	6.92E-05	2.29E-06
3850	741187.66	4110136.19	5.18E-04	9.43E-04	5.18E-05	8.03E-05	1.55E-04	7.77E-06	7.81E-05	1.33E-04	9.87E-06	4.44E-05	7.34E-05	2.43E-06
3851	741179.89	4110092.18	5.32E-04	9.69E-04	5.32E-05	8.24E-05	1.59E-04	7.98E-06	8.02E-05	1.37E-04	1.01E-05	4.55E-05	7.54E-05	2.50E-06
3852	741172.12	4110048.17	5.23E-04	9.52E-04	5.23E-05	8.11E-05	1.56E-04	7.84E-06	7.88E-05	1.34E-04	9.96E-06	4.48E-05	7.41E-05	2.46E-06
3853	741164.35	4110004.16	4.96E-04	9.03E-04	4.96E-05	7.69E-05	1.48E-04	7.44E-06	7.48E-05	1.27E-04	9.45E-06	4.25E-05	7.03E-05	2.33E-06
3854	741156.57	4109960.16	4.62E-04	8.42E-04	4.62E-05	7.16E-05	1.38E-04	6.93E-06	6.96E-05	1.19E-04	8.80E-06	3.96E-05	6.55E-05	2.17E-06
3855	741148.8	4109916.15	4.30E-04	7.84E-04	4.31E-05	6.67E-05	1.29E-04	6.46E-06	6.49E-05	1.11E-04	8.20E-06	3.69E-05	6.10E-05	2.02E-06
3856	741141.03	4109872.14	4.04E-04	7.36E-04	4.04E-05	6.27E-05	1.21E-04	6.06E-06	6.09E-05	1.04E-04	7.70E-06	3.46E-05	5.73E-05	1.90E-06
3857	741149.98	4109831.84	3.92E-04	7.15E-04	3.93E-05	6.08E-05	1.17E-04	5.89E-06	5.92E-05	1.01E-04	7.48E-06	3.36E-05	5.56E-05	1.84E-06
3858	741175.63	4109795.24	3.89E-04	7.09E-04	3.89E-05	6.03E-05	1.16E-04	5.84E-06	5.86E-05	1.00E-04	7.41E-06	3.33E-05	5.51E-05	1.83E-06
3859	741201.28	4109758.65	3.79E-04	6.90E-04	3.79E-05	5.87E-05	1.13E-04	5.68E-06	5.71E-05	9.73E-05	7.21E-06	3.24E-05	5.37E-05	1.78E-06
3860	741214.11	4109740.35	3.71E-04	6.76E-04	3.71E-05	5.75E-05	1.11E-04	5.57E-06	5.59E-05	9.54E-05	7.07E-06	3.18E-05	5.26E-05	1.74E-06
3861	741239.77	4109703.76	3.51E-04	6.39E-04	3.51E-05	5.44E-05	1.05E-04	5.26E-06	5.29E-05	9.01E-05	6.68E-06	3.00E-05	4.97E-05	1.65E-06
3862	741265.42	4109667.17	3.24E-04	5.90E-04	3.24E-05	5.02E-05	9.67E-05	4.86E-06	4.88E-05	8.32E-05	6.17E-06	2.77E-05	4.59E-05	1.52E-06
3863	741278.25	4109648.87	3.09E-04	5.62E-04	3.09E-05	4.78E-05	9.22E-05	4.63E-06	4.65E-05	7.93E-05	5.88E-06	2.64E-05	4.37E-05	1.45E-06
3864	741303.9	4109612.28	2.78E-04	5.07E-04	2.78E-05	4.31E-05	8.31E-05	4.17E-06	4.19E-05	7.15E-05	5.30E-06	2.38E-05	3.94E-05	1.31E-06
3865	741329.55	4109575.69	2.52E-04	4.59E-04	2.52E-05	3.91E-05	7.53E-05	3.78E-06	3.80E-05	6.48E-05	4.80E-06	2.16E-05	3.57E-05	1.18E-06
3866	741355.21	4109539.09	2.33E-04	4.24E-04	2.33E-05	3.61E-05	6.95E-05	3.49E-06	3.51E-05	5.98E-05	4.43E-06	1.99E-05	3.30E-05	1.09E-06
3867	741380.86	4109502.5	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.51E-05	3.27E-06	3.29E-05	5.60E-05	4.15E-06	1.87E-05	3.09E-05	1.02E-06
3868	741406.52	4109465.91	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.11E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
3869	741419.34	4109447.61	2.01E-04	3.66E-04	2.01E-05	3.11E-05	5.99E-05	3.01E-06	3.03E-05	5.16E-05	3.82E-06	1.72E-05	2.84E-05	9.43E-07
3870	741242.51	4110397.23	4.07E-04	7.42E-04	4.07E-05	6.31E-05	1.22E-04	6.11E-06	6.14E-05	1.05E-04	7.76E-06	3.49E-05	5.77E-05	1.91E-06
3871	741254.62	4110416.22	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.94E-06
3872	741266.73	4110435.2	4.16E-04	7.59E-04	4.17E-05	6.46E-05	1.24E-04	6.25E-06	6.28E-05	1.07E-04	7.94E-06	3.57E-05	5.91E-05	1.96E-06
3873	741278.85	4110454.19	4.20E-04	7.64E-04	4.20E-05	6.51E-05	1.25E-04	6.30E-06	6.33E-05	1.08E-04	7.99E-06	3.59E-05	5.95E-05	1.97E-06
3874	741290.96	4110473.18	4.21E-04	7.67E-04	4.21E-05	6.52E-05	1.26E-04	6.31E-06	6.34E-05	1.08E-04	8.02E-06	3.60E-05	5.96E-05	1.98E-06
3875	741303.07	4110492.17	4.19E-04	7.64E-04	4.19E-05	6.50E-05	1.25E-04	6.29E-06	6.32E-05	1.08E-04	7.99E-06	3.59E-05	5.94E-05	1.97E-06
3876	741315.19	4110511.16	4.15E-04	7.56E-04	4.15E-05	6.43E-05	1.24E-04	6.22E-06	6.25E-05	1.07E-04	7.90E-06	3.55E-05	5.88E-05	1.95E-06
3877	741327.3	4110530.14	4.07E-04	7.41E-04	4.07E-05	6.31E-05	1.22E-04	6.11E-06	6.13E-05	1.05E-04	7.75E-06	3.49E-05	5.77E-05	1.91E-06
3878	741339.41	4110549.13	3.96E-04	7.21E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.54E-06	3.39E-05	5.61E-05	1.86E-06
3879	741057.91	4110463.9	2.86E-04	5.22E-04	2.87E-05	4.44E-05	8.56E-05	4.30E-06	4.32E-05	7.36E-05	5.46E-06	2.45E-05	4.06E-05	1.35E-06
3880	741050.18	4110420.1	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.45E-05	5.52E-06	2.48E-05	4.11E-05	1.36E-06
3881	741042.45	4110376.29	2.95E-04	5.38E-04	2.95E-05	4.58E-05	8.82E-05	4.43E-06	4.45E-05	7.59E-05	5.62E-06	2.53E-05	4.18E-05	1.39E-06
3882	741034.71	4110332.49	3.03E-04	5.52E-04	3.03E-05	4.70E-05	9.06E-05	4.55E-06	4.57E-05	7.79E-05	5.78E-06	2.60E-05	4.30E-05	1.42E-06
3883	741026.98	4110288.68	3.16E-04	5.77E-04	3.17E-05	4.91E-05	9.45E-05	4.75E-06	4.77E-05	8.13E-05	6.03E-06	2.71E-05	4.49E-05	1.49E-06
3884	741019.24	4110244.87	3.36E-04	6.12E-04	3.36E-05	5.21E-05	1.00E-04	5.04E-06	5.07E-05	8.64E-05	6.40E-06	2.88E-05	4.76E-05	1.58E-06
3885	741011.51	4110201.07	3.59E-04	6.55E-04	3.60E-05	5.57E-05	1.07E-04	5.39E-06	5.42E-05	9.24E-05	6.85E-06	3.08E-05	5.10E-05	1.69E-06
3886	741003.77	4110157.26	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.73E-05	9.77E-05	7.24E-06	3.26E-05	5.39E-05	1.79E-06
3887	740996.04	4110113.45	3.90E-04	7.11E-04	3.90E-05	6.05E-05	1.16E-04	5.85E-06	5.88E-05	1.00E-04	7.43E-06	3.34E-05	5.53E-05	1.83E-06
3888	740988.3	4110069.65	3.86E-04	7.03E-04	3.86E-05	5.98E-05	1.15E-04	5.79E-06	5.82E-05	9.92E-05	7.35E-06	3.31E-05	5.47E-05	1.81E-06
3889	740980.57	4110025.84	3.69E-04	6.73E-04	3.70E-05	5.73E-05	1.10E-04	5.54E-06	5.57E-05	9.50E-05	7.04E-06	3.17E-05	5.24E-05	1.74E-06
3890	740972.84	4109982.04	3.47E-04	6.32E-04	3.47E-05	5.38E-05	1.04E-04	5.20E-06	5.23E-05	8.91E-05	6.61E-06	2.97E-05	4.92E-05	1.63E-06
3891	740965.1	4109938.23	3.24E-04	5.90E-04	3.24E-05	5.03E-05	9.68E-05	4.86E-06	4.89E-05	8.33E-05	6.17E-06	2.78E-05	4.59E-05	1.52E-06
3892	740957.37	4109894.42	3.05E-04	5.56E-04	3.06E-05	4.74E-05	9.12E-05	4.58E-06	4.61E-05	7.85E-05	5.82E-06	2.62E-05	4.33E-05	1.44E-06
3893	740949.63	4109850.62	2.91E-04	5.31E-04	2.91E-05	4.52E-05	8.70E-05	4.37E-06	4.39E-05	7.49E-05	5.55E-06	2.50E-05	4.13E-05	1.37E-06
3894	740954.67	4109788.6	2.82E-04	5.13E-04	2.82E-05	4.37E-05	8.41E-05	4.23E-06	4.25E-05	7.24E-05	5.37E-06	2.41E-05	3.99E-05	1.32E-06
3895	740980.2	4109752.17	2.83E-04	5.15E-04	2.83E-05	4.38E-05	8.44E-05	4.24E-06	4.26E-05	7.26E-05	5.38E-06	2.42E-05	4.01E-05	1.33E-06
3896	741005.74	4109715.75	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.34E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
3897	741031.27	4109679.33	2.70E-04	4.93E-04	2.71E-05	4.19E-05	8.08E-05	4.06E-06	4.08E-05	6.95E-05	5.15E-06	2.32E-05	3.84E-05	1.27E-06
3898	741056.81	4109642.9	2.57E-04	4.69E-04	2.57E-05	3.99E-05	7.69E-05	3.86E-06	3.88E-05	6.61E-05	4.90E-06	2.20E-05	3.65E-05	1.21E-06
3899	741082.34	4109606.48	2.40E-04	4.38E-04	2.40E-05	3.73E-05	7.18E-05	3.61E-06	3.62E-05	6.18E-05	4.58E-06	2.06E-05	3.41E-05	1.13E-06
3900	741107.88	4109570.05	2.21E-04	4.02E-04	2.21E-05	3.42E-05	6.59E-05	3.31E-06	3.33E-05	5.67E-05	4.20E-06	1.89E-05	3.13E-05	1.04E-06
3901	741133.42	4109533.63	2.00E-04	3.65E-04	2.00E-05	3.11E-05	5.98E-05	3.01E-06	3.02E-05	5.15E-05	3.82E-06	1.72E-05	2.84E-05	9.41E-07

3902	741158.95	4109497.21	1.82E-04	3.32E-04	1.82E-05	2.82E-05	5.44E-05	2.73E-06	2.75E-05	4.68E-05	3.47E-06	1.56E-05	2.58E-05	8.56E-07
3903	741184.49	4109460.78	1.68E-04	3.05E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.19E-06	1.44E-05	2.38E-05	7.88E-07
3904	741210.02	4109424.36	1.57E-04	2.86E-04	1.57E-05	2.44E-05	4.70E-05	2.36E-06	2.37E-05	4.04E-05	3.00E-06	1.35E-05	2.23E-05	7.39E-07
3905	741235.56	4109387.93	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.48E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.04E-07
3906	741261.1	4109351.51	1.44E-04	2.63E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.71E-05	2.75E-06	1.24E-05	2.05E-05	6.79E-07
3907	741286.63	4109315.08	1.40E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.61E-05	2.68E-06	1.20E-05	1.99E-05	6.60E-07
3908	741312.17	4109278.66	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
3909	741073.9	4110504.79	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.61E-05	4.33E-06	4.35E-05	7.41E-05	5.49E-06	2.47E-05	4.09E-05	1.35E-06
3910	741086.01	4110523.78	2.91E-04	5.31E-04	2.91E-05	4.52E-05	8.70E-05	4.37E-06	4.39E-05	7.49E-05	5.55E-06	2.50E-05	4.13E-05	1.37E-06
3911	741098.12	4110542.77	2.94E-04	5.36E-04	2.94E-05	4.56E-05	8.78E-05	4.41E-06	4.43E-05	7.56E-05	5.60E-06	2.52E-05	4.17E-05	1.38E-06
3912	741110.24	4110561.76	2.96E-04	5.40E-04	2.96E-05	4.59E-05	8.85E-05	4.45E-06	4.47E-05	7.61E-05	5.64E-06	2.54E-05	4.20E-05	1.39E-06
3913	741122.35	4110580.75	2.97E-04	5.42E-04	2.98E-05	4.61E-05	8.88E-05	4.46E-06	4.48E-05	7.65E-05	5.67E-06	2.55E-05	4.22E-05	1.40E-06
3914	741134.46	4110599.73	2.97E-04	5.42E-04	2.98E-05	4.61E-05	8.89E-05	4.46E-06	4.48E-05	7.65E-05	5.67E-06	2.55E-05	4.22E-05	1.40E-06
3915	741146.58	4110618.72	2.96E-04	5.39E-04	2.96E-05	4.59E-05	8.84E-05	4.44E-06	4.46E-05	7.61E-05	5.64E-06	2.54E-05	4.20E-05	1.39E-06
3916	741158.69	4110637.71	2.93E-04	5.34E-04	2.93E-05	4.54E-05	8.75E-05	4.40E-06	4.42E-05	7.53E-05	5.58E-06	2.51E-05	4.15E-05	1.38E-06
3917	741170.8	4110656.7	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.60E-05	4.32E-06	4.34E-05	7.40E-05	5.49E-06	2.47E-05	4.08E-05	1.35E-06
3918	740889.32	4110571.53	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.27E-05	5.57E-05	4.13E-06	1.86E-05	3.07E-05	1.02E-06
3919	740881.6	4110527.86	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.51E-05	3.27E-06	3.29E-05	5.61E-05	4.16E-06	1.87E-05	3.09E-05	1.02E-06
3920	740873.89	4110484.18	2.21E-04	4.02E-04	2.21E-05	3.42E-05	6.59E-05	3.31E-06	3.33E-05	5.67E-05	4.20E-06	1.89E-05	3.13E-05	1.04E-06
3921	740866.18	4110440.5	2.24E-04	4.08E-04	2.24E-05	3.47E-05	6.69E-05	3.36E-06	3.38E-05	5.76E-05	4.27E-06	1.92E-05	3.17E-05	1.05E-06
3922	740858.47	4110396.82	2.29E-04	4.17E-04	2.29E-05	3.55E-05	6.83E-05	3.43E-06	3.45E-05	5.88E-05	4.36E-06	1.96E-05	3.24E-05	1.07E-06
3923	740850.76	4110353.14	2.36E-04	4.30E-04	2.36E-05	3.66E-05	7.05E-05	3.54E-06	3.56E-05	6.07E-05	4.50E-06	2.02E-05	3.35E-05	1.11E-06
3924	740843.04	4110309.47	2.47E-04	4.51E-04	2.47E-05	3.84E-05	7.39E-05	3.71E-06	3.73E-05	6.36E-05	4.71E-06	2.12E-05	3.51E-05	1.16E-06
3925	740835.33	4110265.79	2.63E-04	4.79E-04	2.63E-05	4.08E-05	7.86E-05	3.95E-06	3.97E-05	6.76E-05	5.01E-06	2.25E-05	3.73E-05	1.24E-06
3926	740827.62	4110222.11	2.80E-04	5.11E-04	2.81E-05	4.35E-05	8.38E-05	4.21E-06	4.23E-05	7.21E-05	5.34E-06	2.40E-05	3.98E-05	1.32E-06
3927	740819.91	4110178.43	2.95E-04	5.38E-04	2.95E-05	4.58E-05	8.81E-05	4.43E-06	4.45E-05	7.58E-05	5.62E-06	2.53E-05	4.18E-05	1.39E-06
3928	740812.2	4110134.75	3.02E-04	5.51E-04	3.02E-05	4.69E-05	9.03E-05	4.54E-06	4.56E-05	7.77E-05	5.76E-06	2.59E-05	4.29E-05	1.42E-06
3929	740804.48	4110091.07	3.00E-04	5.47E-04	3.00E-05	4.66E-05	8.97E-05	4.51E-06	4.53E-05	7.72E-05	5.72E-06	2.57E-05	4.26E-05	1.41E-06
3930	740796.77	4110047.4	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.45E-05	5.52E-06	2.48E-05	4.11E-05	1.36E-06
3931	740789.06	4110003.72	2.74E-04	5.00E-04	2.75E-05	4.26E-05	8.20E-05	4.12E-06	4.14E-05	7.05E-05	5.23E-06	2.35E-05	3.89E-05	1.29E-06
3932	740781.35	4109960.04	2.58E-04	4.69E-04	2.58E-05	3.99E-05	7.70E-05	3.87E-06	3.88E-05	6.62E-05	4.91E-06	2.21E-05	3.65E-05	1.21E-06
3933	740773.64	4109916.36	2.42E-04	4.42E-04	2.42E-05	3.76E-05	7.24E-05	3.64E-06	3.65E-05	6.23E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
3934	740765.93	4109872.68	2.30E-04	4.20E-04	2.30E-05	3.57E-05	6.88E-05	3.46E-06	3.47E-05	5.92E-05	4.39E-06	1.97E-05	3.27E-05	1.08E-06
3935	740758.21	4109829.01	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.33E-06	3.34E-05	5.70E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
3936	740750.5	4109785.33	2.16E-04	3.93E-04	2.16E-05	3.34E-05	6.44E-05	3.23E-06	3.25E-05	5.54E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
3937	740759.38	4109745.33	2.15E-04	3.91E-04	2.15E-05	3.33E-05	6.42E-05	3.22E-06	3.24E-05	5.52E-05	4.09E-06	1.84E-05	3.05E-05	1.01E-06
3938	740784.84	4109709.01	2.17E-04	3.96E-04	2.17E-05	3.37E-05	6.49E-05	3.26E-06	3.28E-05	5.58E-05	4.14E-06	1.86E-05	3.08E-05	1.02E-06
3939	740810.3	4109672.69	2.16E-04	3.94E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.26E-05	5.57E-05	4.13E-06	1.85E-05	3.07E-05	1.02E-06
3940	740835.76	4109636.38	2.12E-04	3.86E-04	2.12E-05	3.29E-05	6.33E-05	3.18E-06	3.20E-05	5.45E-05	4.04E-06	1.82E-05	3.01E-05	9.96E-07
3941	740861.22	4109600.06	2.04E-04	3.72E-04	2.04E-05	3.16E-05	6.10E-05	3.06E-06	3.08E-05	5.24E-05	3.89E-06	1.75E-05	2.89E-05	9.59E-07
3942	740886.68	4109563.74	1.93E-04	3.52E-04	1.93E-05	3.00E-05	5.77E-05	2.90E-06	2.91E-05	4.97E-05	3.68E-06	1.66E-05	2.74E-05	9.08E-07
3943	740912.14	4109527.42	1.81E-04	3.29E-04	1.81E-05	2.80E-05	5.40E-05	2.71E-06	2.72E-05	4.64E-05	3.44E-06	1.55E-05	2.56E-05	8.49E-07
3944	740937.6	4109491.11	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
3945	740963.07	4109454.79	1.53E-04	2.79E-04	1.53E-05	2.38E-05	4.58E-05	2.30E-06	2.31E-05	3.94E-05	2.92E-06	1.31E-05	2.17E-05	7.20E-07
3946	740988.53	4109418.47	1.40E-04	2.56E-04	1.40E-05	2.18E-05	4.19E-05	2.11E-06	2.12E-05	3.61E-05	2.67E-06	1.20E-05	1.99E-05	6.60E-07
3947	741013.99	4109382.15	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
3948	741039.45	4109345.84	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.11E-05	2.30E-06	1.04E-05	1.71E-05	5.68E-07
3949	741064.91	4109309.52	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.42E-05	1.72E-06	1.73E-05	2.95E-05	2.18E-06	9.82E-06	1.62E-05	5.39E-07
3950	741090.37	4109273.2	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.66E-05	2.84E-05	2.10E-06	9.45E-06	1.56E-05	5.18E-07
3951	741115.83	4109236.88	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.21E-05	1.61E-06	1.62E-05	2.76E-05	2.05E-06	9.21E-06	1.52E-05	5.05E-07
3952	741141.29	4109200.56	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.08E-06	1.50E-05	4.98E-07
3953	741166.75	4109164.25	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.13E-05	1.57E-06	1.58E-05	2.70E-05	2.00E-06	8.99E-06	1.49E-05	4.93E-07
3954	741192.22	4109127.93	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.56E-05	2.67E-05	1.98E-06	8.89E-06	1.47E-05	4.87E-07
3955	740905.28	4110612.36	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.52E-05	3.27E-06	3.29E-05	5.61E-05	4.16E-06	1.87E-05	3.09E-05	1.03E-06
3956	740917.4	4110631.35	2.20E-04	4.01E-04	2.20E-05	3.41E-05	6.58E-05	3.30E-06	3.32E-05	5.66E-05	4.19E-06	1.89E-05	3.12E-05	1.03E-06
3957	740929.51	4110650.34	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.71E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
3958	740941.62	4110669.32	2.23E-04	4.07E-04	2.24E-05	3.47E-05	6.68E-05	3.35E-06	3.37E-05	5.74E-05	4.26E-06	1.91E-05	3.17E-05	1.05E-06
3959	740953.74	4110688.31	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
3960	740965.85	4110707.3	2.25E-04	4.10E-04	2.25E-05	3.49E-05	6.72E-05	3.38E-06	3.39E-05	5.78E-05	4.29E-06	1.93E-05	3.19E-05	1.06E-06
3961	740977.96	4110726.29	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
3962	740990.08	4110745.27	2.23E-04	4.07E-04	2.23E-05	3.46E-05	6.67E-05	3.35E-06	3.37E-05	5.74E-05	4.26E-06	1.91E-05	3.17E-05	1.05E-06
3963	741002.19	4110764.26	2.21E-04	4.03E-04	2.21E-05	3.43E-05	6.60E-05	3.32E-06	3.33E-05	5.68E-05	4.21E-06	1.89E-05	3.13E-05	1.04E-06
3964	740720.71	4110679.14	1.72E-04	3.13E-04	1.72E-05	2.66E-05	5.13E-05	2.57E-06	2.59E-05	4.41E-05	3.27E-06	1.47E-05	2.43E-05	8.06E-07
3965	740713.02	4110635.55	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.15E-05	2.58E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.09E-07
3966	740705.32	4110591.96	1.73E-04	3.16E-04	1.74E-05	2.69E-05	5.18E-05	2.60E-06	2.62E-05	4.46E-05	3.31E-06	1.49E-05	2.46E-05	8.15E-07
3967	740697.62	4110548.37	1.75E-04	3.20E-04	1.76E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.49E-05	8.24E-07
3968	740689.93	4110504.78	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.36E-07
3969	740682.23	4110461.19	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.50E-07
3970	740674.53	4110417.6	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.53E-05	2.78E-06	2.79E-05	4.76E-05	3.53E-06	1.59E-05	2.63E-05	8.70E-07
3971	740666.84	4110374.01	1.92E-04	3.50E-04	1.92E-05	2.97E-05	5.73E-05	2.88E-06	2.89E-05	4.93E-05	3.66E-06	1.64E-05	2.72E-05	9.01E-07
3972	740659.14	4110330.42	2.02E-04	3.68E-04	2.02E-05	3.13E-05	6.03E-05	3.03E-06	3.04E-05	5.19E-05	3.85E-06	1.73E-05	2.86E-05	9.48E-07

3973	740651.45	4110286.83	2.15E-04	3.91E-04	2.15E-05	3.33E-05	6.41E-05	3.22E-06	3.24E-05	5.52E-05	4.09E-06	1.84E-05	3.04E-05	1.01E-06
3974	740643.75	4110243.25	2.28E-04	4.15E-04	2.28E-05	3.53E-05	6.81E-05	3.42E-06	3.44E-05	5.86E-05	4.34E-06	1.95E-05	3.23E-05	1.07E-06
3975	740636.05	4110199.66	2.39E-04	4.35E-04	2.39E-05	3.70E-05	7.13E-05	3.58E-06	3.60E-05	6.13E-05	4.55E-06	2.04E-05	3.38E-05	1.12E-06
3976	740628.36	4110156.07	2.44E-04	4.44E-04	2.44E-05	3.78E-05	7.28E-05	3.66E-06	3.68E-05	6.27E-05	4.64E-06	2.09E-05	3.46E-05	1.15E-06
3977	740620.66	4110112.48	2.43E-04	4.42E-04	2.43E-05	3.76E-05	7.25E-05	3.64E-06	3.66E-05	6.24E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
3978	740612.96	4110068.89	2.35E-04	4.29E-04	2.36E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
3979	740605.27	4110025.3	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.78E-05	4.28E-06	1.92E-05	3.19E-05	1.06E-06
3980	740597.57	4109981.71	2.12E-04	3.87E-04	2.12E-05	3.29E-05	6.34E-05	3.18E-06	3.20E-05	5.45E-05	4.04E-06	1.82E-05	3.01E-05	9.97E-07
3981	740589.88	4109938.12	2.00E-04	3.64E-04	2.00E-05	3.10E-05	5.97E-05	3.00E-06	3.01E-05	5.14E-05	3.81E-06	1.71E-05	2.83E-05	9.39E-07
3982	740582.18	4109894.53	1.89E-04	3.45E-04	1.89E-05	2.93E-05	5.65E-05	2.84E-06	2.85E-05	4.86E-05	3.61E-06	1.62E-05	2.68E-05	8.89E-07
3983	740574.48	4109850.94	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.51E-07
3984	740566.79	4109807.35	1.76E-04	3.20E-04	1.76E-05	2.72E-05	5.25E-05	2.64E-06	2.65E-05	4.52E-05	3.35E-06	1.51E-05	2.49E-05	8.25E-07
3985	740559.09	4109763.76	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.59E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.09E-07
3986	740564.1	4109702.04	1.71E-04	3.12E-04	1.71E-05	2.65E-05	5.11E-05	2.57E-06	2.58E-05	4.40E-05	3.26E-06	1.47E-05	2.43E-05	8.04E-07
3987	740589.51	4109665.8	1.74E-04	3.16E-04	1.74E-05	2.69E-05	5.18E-05	2.60E-06	2.62E-05	4.46E-05	3.31E-06	1.49E-05	2.46E-05	8.16E-07
3988	740614.92	4109629.56	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
3989	740640.33	4109593.31	1.72E-04	3.13E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.59E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.08E-07
3990	740665.74	4109557.07	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
3991	740691.15	4109520.82	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.77E-05	2.40E-06	2.41E-05	4.11E-05	3.05E-06	1.37E-05	2.27E-05	7.51E-07
3992	740716.56	4109484.58	1.51E-04	2.75E-04	1.51E-05	2.34E-05	4.51E-05	2.27E-06	2.28E-05	3.88E-05	2.88E-06	1.29E-05	2.14E-05	7.10E-07
3993	740741.97	4109448.33	1.41E-04	2.58E-04	1.42E-05	2.19E-05	4.23E-05	2.12E-06	2.13E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.65E-07
3994	740767.38	4109412.09	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.97E-06	1.98E-05	3.38E-05	2.51E-06	1.13E-05	1.87E-05	6.18E-07
3995	740792.79	4109375.85	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.73E-07
3996	740818.2	4109339.6	1.13E-04	2.05E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.66E-06	1.60E-05	5.30E-07
3997	740843.61	4109303.36	1.05E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
3998	740869.02	4109267.11	9.76E-05	1.78E-04	9.76E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.51E-05	1.86E-06	8.36E-06	1.38E-05	4.58E-07
3999	740894.43	4109230.87	9.20E-05	1.68E-04	9.21E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.75E-06	7.89E-06	1.30E-05	4.32E-07
4000	740919.84	4109194.62	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
4001	740945.24	4109158.38	8.51E-05	1.55E-04	8.52E-06	1.32E-05	2.54E-05	1.28E-06	1.28E-05	2.19E-05	1.62E-06	7.29E-06	1.21E-05	4.00E-07
4002	740970.65	4109122.14	8.35E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.93E-07
4003	740996.06	4109085.89	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4004	741021.47	4109049.65	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4005	741046.88	4109013.4	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4006	741072.29	4108977.16	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
4007	741097.7	4108940.91	8.14E-05	1.48E-04	8.14E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.97E-06	1.15E-05	3.82E-07
4008	740736.67	4110719.93	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.16E-05	2.59E-06	2.60E-05	4.44E-05	3.29E-06	1.48E-05	2.45E-05	8.12E-07
4009	740748.79	4110738.91	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.63E-05	4.48E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
4010	740760.9	4110757.9	1.75E-04	3.19E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.49E-05	8.24E-07
4011	740773.01	4110776.89	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.27E-05	2.65E-06	2.66E-05	4.53E-05	3.36E-06	1.51E-05	2.50E-05	8.29E-07
4012	740785.13	4110795.88	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.29E-05	2.66E-06	2.67E-05	4.55E-05	3.38E-06	1.52E-05	2.51E-05	8.32E-07
4013	740809.35	4110833.85	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.35E-07
4014	740821.47	4110852.84	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.29E-05	2.66E-06	2.67E-05	4.56E-05	3.38E-06	1.52E-05	2.51E-05	8.33E-07
4015	740833.58	4110871.83	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.26E-05	2.64E-06	2.66E-05	4.53E-05	3.36E-06	1.51E-05	2.50E-05	8.28E-07
4016	740552.11	4110786.74	1.41E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.62E-05	2.68E-06	1.21E-05	1.99E-05	6.61E-07
4017	740544.42	4110743.22	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.21E-05	2.12E-06	2.13E-05	3.62E-05	2.69E-06	1.21E-05	2.00E-05	6.62E-07
4018	740536.74	4110699.69	1.42E-04	2.58E-04	1.42E-05	2.19E-05	4.23E-05	2.12E-06	2.13E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.65E-07
4019	740529.05	4110656.17	1.43E-04	2.60E-04	1.43E-05	2.21E-05	4.26E-05	2.14E-06	2.15E-05	3.67E-05	2.72E-06	1.22E-05	2.02E-05	6.70E-07
4020	740521.37	4110612.64	1.44E-04	2.63E-04	1.44E-05	2.24E-05	4.31E-05	2.16E-06	2.17E-05	3.71E-05	2.75E-06	1.24E-05	2.04E-05	6.77E-07
4021	740513.68	4110569.11	1.46E-04	2.66E-04	1.46E-05	2.26E-05	4.36E-05	2.19E-06	2.20E-05	3.75E-05	2.78E-06	1.25E-05	2.07E-05	6.86E-07
4022	740506	4110525.59	1.48E-04	2.70E-04	1.48E-05	2.30E-05	4.42E-05	2.22E-06	2.23E-05	3.81E-05	2.82E-06	1.27E-05	2.10E-05	6.96E-07
4023	740498.31	4110482.06	1.51E-04	2.75E-04	1.51E-05	2.34E-05	4.50E-05	2.26E-06	2.27E-05	3.87E-05	2.87E-06	1.29E-05	2.14E-05	7.08E-07
4024	740490.63	4110438.54	1.55E-04	2.82E-04	1.55E-05	2.40E-05	4.62E-05	2.32E-06	2.33E-05	3.98E-05	2.95E-06	1.33E-05	2.19E-05	7.27E-07
4025	740482.94	4110395.01	1.61E-04	2.93E-04	1.61E-05	2.50E-05	4.81E-05	2.42E-06	2.43E-05	4.14E-05	3.07E-06	1.38E-05	2.28E-05	7.56E-07
4026	740475.26	4110351.49	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.41E-05	7.98E-07
4027	740467.57	4110307.96	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.38E-05	2.70E-06	2.72E-05	4.63E-05	3.43E-06	1.54E-05	2.55E-05	8.47E-07
4028	740459.89	4110264.44	1.90E-04	3.47E-04	1.91E-05	2.95E-05	5.69E-05	2.86E-06	2.87E-05	4.90E-05	3.63E-06	1.63E-05	2.70E-05	8.95E-07
4029	740452.2	4110220.91	1.98E-04	3.61E-04	1.98E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.10E-05	3.78E-06	1.70E-05	2.81E-05	9.32E-07
4030	740444.52	4110177.39	2.02E-04	3.68E-04	2.02E-05	3.14E-05	6.04E-05	3.03E-06	3.05E-05	5.20E-05	3.85E-06	1.73E-05	2.87E-05	9.50E-07
4031	740436.83	4110133.86	2.01E-04	3.67E-04	2.02E-05	3.12E-05	6.02E-05	3.02E-06	3.04E-05	5.18E-05	3.84E-06	1.73E-05	2.86E-05	9.47E-07
4032	740429.15	4110090.34	1.97E-04	3.58E-04	1.97E-05	3.05E-05	5.87E-05	2.95E-06	2.96E-05	5.05E-05	3.75E-06	1.68E-05	2.79E-05	9.24E-07
4033	740421.46	4110046.81	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
4034	740413.78	4110003.29	1.79E-04	3.27E-04	1.80E-05	2.78E-05	5.36E-05	2.69E-06	2.71E-05	4.61E-05	3.42E-06	1.54E-05	2.54E-05	8.43E-07
4035	740406.09	4109959.76	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.41E-05	7.98E-07
4036	740398.41	4109916.23	1.61E-04	2.93E-04	1.61E-05	2.49E-05	4.80E-05	2.41E-06	2.42E-05	4.13E-05	3.06E-06	1.38E-05	2.28E-05	7.55E-07
4037	740390.72	4109872.71	1.53E-04	2.79E-04	1.53E-05	2.37E-05	4.57E-05	2.30E-06	2.31E-05	3.93E-05	2.92E-06	1.31E-05	2.17E-05	7.19E-07
4038	740383.04	4109829.18	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.92E-07
4039	740375.35	4109785.66	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.69E-05	2.73E-06	1.23E-05	2.03E-05	6.74E-07
4040	740367.67	4109742.13	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.21E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.63E-07
4041	740359.99	4109698.61	1.40E-04	2.54E-04	1.40E-05	2.17E-05	4.17E-05	2.10E-06	2.11E-05	3.59E-05	2.66E-06	1.20E-05	1.98E-05	6.56E-07
4042	740368.83	4109658.75	1.41E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.61E-05	2.68E-06	1.20E-05	1.99E-05	6.61E-07
4043	740394.2	4109622.56	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.72E-06	1.23E-05	2.03E-05	6.72E-07

4044	740419.57	4109586.37	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.30E-05	2.16E-06	2.17E-05	3.70E-05	2.74E-06	1.23E-05	2.04E-05	6.77E-07
4045	740444.95	4109550.18	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.72E-07
4046	740470.32	4109513.99	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.60E-05	2.67E-06	1.20E-05	1.99E-05	6.58E-07
4047	740495.69	4109477.8	1.35E-04	2.46E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.47E-05	2.57E-06	1.16E-05	1.92E-05	6.35E-07
4048	740521.06	4109441.61	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.93E-06	1.94E-05	3.31E-05	2.45E-06	1.10E-05	1.83E-05	6.05E-07
4049	740546.43	4109405.41	1.22E-04	2.21E-04	1.22E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.32E-06	1.04E-05	1.72E-05	5.71E-07
4050	740571.81	4109369.22	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.94E-05	2.18E-06	9.78E-06	1.62E-05	5.37E-07
4051	740597.18	4109333.03	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.19E-05	1.60E-06	1.61E-05	2.75E-05	2.04E-06	9.15E-06	1.51E-05	5.02E-07
4052	740622.55	4109296.84	9.99E-05	1.82E-04	9.99E-06	1.55E-05	2.98E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.69E-07
4053	740647.92	4109260.65	9.32E-05	1.70E-04	9.33E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	7.99E-06	1.32E-05	4.38E-07
4054	740673.29	4109224.46	8.71E-05	1.59E-04	8.71E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.46E-06	1.23E-05	4.09E-07
4055	740698.67	4109188.27	8.15E-05	1.49E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.16E-05	3.83E-07
4056	740724.04	4109152.08	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
4057	740749.41	4109115.89	7.28E-05	1.33E-04	7.28E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.24E-06	1.03E-05	3.42E-07
4058	740774.78	4109079.7	6.99E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.28E-07
4059	740800.15	4109043.51	6.80E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
4060	740825.53	4109007.32	6.71E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.75E-06	9.51E-06	3.15E-07
4061	740850.9	4108971.13	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
4062	740876.27	4108934.93	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.77E-06	9.54E-06	3.16E-07
4063	740901.64	4108898.74	6.78E-05	1.23E-04	6.78E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.61E-06	3.18E-07
4064	740927.02	4108862.55	6.80E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
4065	740952.39	4108826.36	6.78E-05	1.24E-04	6.79E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.62E-06	3.19E-07
4066	740977.76	4108790.17	6.70E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
4067	740568.06	4110827.49	1.41E-04	2.58E-04	1.42E-05	2.19E-05	4.23E-05	2.12E-06	2.13E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.65E-07
4068	740580.18	4110846.48	1.42E-04	2.60E-04	1.42E-05	2.21E-05	4.25E-05	2.14E-06	2.15E-05	3.66E-05	2.71E-06	1.22E-05	2.02E-05	6.69E-07
4069	740592.29	4110865.47	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.73E-07
4070	740604.4	4110884.46	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.30E-05	2.16E-06	2.17E-05	3.70E-05	2.74E-06	1.23E-05	2.04E-05	6.77E-07
4071	740616.52	4110903.44	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
4072	740628.63	4110922.43	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.81E-07
4073	740640.74	4110941.42	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.73E-05	2.77E-06	1.24E-05	2.06E-05	6.82E-07
4074	740652.86	4110960.41	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.81E-07
4075	740664.97	4110979.39	1.44E-04	2.63E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.71E-05	2.75E-06	1.24E-05	2.05E-05	6.79E-07
4076	740214.83	4111001.58	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.67E-06	1.43E-05	4.76E-07
4077	740207.05	4110957.48	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.77E-07
4078	740199.26	4110913.37	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.94E-06	8.70E-06	1.44E-05	4.77E-07
4079	740191.47	4110869.27	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
4080	740183.69	4110825.16	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.06E-05	1.54E-06	1.54E-05	2.63E-05	1.95E-06	8.77E-06	1.45E-05	4.81E-07
4081	740179.79	4110803.11	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.07E-05	1.54E-06	1.55E-05	2.64E-05	1.96E-06	8.80E-06	1.46E-05	4.83E-07
4082	740172	4110759	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.56E-05	2.66E-05	1.98E-06	8.88E-06	1.47E-05	4.87E-07
4083	740164.22	4110714.9	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.13E-05	1.57E-06	1.58E-05	2.69E-05	2.00E-06	8.98E-06	1.49E-05	4.93E-07
4084	740160.32	4110692.84	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.03E-06	1.49E-05	4.95E-07
4085	740152.54	4110648.74	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
4086	740144.75	4110604.63	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.22E-05	1.62E-06	1.63E-05	2.77E-05	2.05E-06	9.23E-06	1.53E-05	5.06E-07
4087	740140.85	4110582.58	1.09E-04	1.98E-04	1.09E-05	1.68E-05	3.24E-05	1.63E-06	1.64E-05	2.79E-05	2.07E-06	9.30E-06	1.54E-05	5.10E-07
4088	740133.07	4110538.47	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.84E-05	2.11E-06	9.48E-06	1.57E-05	5.20E-07
4089	740125.28	4110494.37	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.93E-05	2.17E-06	9.78E-06	1.62E-05	5.36E-07
4090	740117.49	4110450.26	1.19E-04	2.17E-04	1.19E-05	1.85E-05	3.56E-05	1.79E-06	1.80E-05	3.06E-05	2.27E-06	1.02E-05	1.69E-05	5.60E-07
4091	740109.71	4110406.16	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.23E-05	2.40E-06	1.08E-05	1.78E-05	5.91E-07
4092	740105.81	4110384.1	1.29E-04	2.36E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
4093	740098.02	4110340	1.36E-04	2.48E-04	1.36E-05	2.11E-05	4.07E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.93E-05	6.41E-07
4094	740090.24	4110295.89	1.42E-04	2.60E-04	1.43E-05	2.21E-05	4.26E-05	2.14E-06	2.15E-05	3.66E-05	2.71E-06	1.22E-05	2.02E-05	6.69E-07
4095	740086.34	4110273.84	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
4096	740078.56	4110229.73	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.22E-06	2.23E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.94E-07
4097	740070.77	4110185.63	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.22E-06	2.23E-05	3.80E-05	2.81E-06	1.27E-05	2.09E-05	6.94E-07
4098	740066.87	4110163.58	1.47E-04	2.67E-04	1.47E-05	2.28E-05	4.39E-05	2.20E-06	2.21E-05	3.77E-05	2.80E-06	1.26E-05	2.08E-05	6.90E-07
4099	740059.09	4110119.47	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.69E-05	2.73E-06	1.23E-05	2.03E-05	6.74E-07
4100	740051.3	4110075.36	1.38E-04	2.52E-04	1.39E-05	2.15E-05	4.14E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.51E-07
4101	740043.51	4110031.26	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.96E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.23E-07
4102	740035.73	4109987.15	1.27E-04	2.31E-04	1.27E-05	1.96E-05	3.78E-05	1.90E-06	1.91E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.94E-07
4103	740031.83	4109965.1	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.69E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.80E-07
4104	740024.04	4109920.99	1.17E-04	2.14E-04	1.18E-05	1.82E-05	3.51E-05	1.76E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.67E-05	5.52E-07
4105	740016.26	4109876.89	1.12E-04	2.04E-04	1.12E-05	1.74E-05	3.35E-05	1.68E-06	1.69E-05	2.88E-05	2.14E-06	9.61E-06	1.59E-05	5.27E-07
4106	740012.36	4109854.84	1.10E-04	2.00E-04	1.10E-05	1.70E-05	3.28E-05	1.65E-06	1.66E-05	2.82E-05	2.09E-06	9.41E-06	1.56E-05	5.16E-07
4107	740004.58	4109810.73	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.07E-06	1.50E-05	4.97E-07
4108	739996.79	4109766.62	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.55E-05	2.65E-05	1.96E-06	8.83E-06	1.46E-05	4.84E-07
4109	739989	4109722.52	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.68E-06	1.44E-05	4.76E-07
4110	739981.21	4109678.41	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.58E-05	1.92E-06	8.61E-06	1.43E-05	4.72E-07
4111	739977.32	4109656.36	1.00E-04	1.83E-04	1.00E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.60E-06	1.42E-05	4.72E-07
4112	739969.53	4109612.25	1.00E-04	1.83E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.58E-05	1.91E-06	8.58E-06	1.42E-05	4.71E-07
4113	739978.49	4109571.86	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.68E-06	1.44E-05	4.76E-07
4114	740004.2	4109535.19	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07

4115	740017.06	4109516.85	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4116	740042.77	4109480.18	1.04E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.95E-06	1.48E-05	4.91E-07
4117	740055.63	4109461.84	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
4118	740081.34	4109425.17	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
4119	740094.19	4109406.83	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
4120	740119.9	4109370.16	9.91E-05	1.81E-04	9.92E-06	1.54E-05	2.96E-05	1.49E-06	1.49E-05	2.55E-05	1.89E-06	8.49E-06	1.41E-05	4.66E-07
4121	740132.76	4109351.82	9.73E-05	1.77E-04	9.73E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.50E-05	1.85E-06	8.33E-06	1.38E-05	4.57E-07
4122	740158.47	4109315.15	9.30E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.97E-06	1.32E-05	4.37E-07
4123	740171.32	4109296.81	9.07E-05	1.65E-04	9.07E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.77E-06	1.29E-05	4.26E-07
4124	740197.03	4109260.14	8.59E-05	1.57E-04	8.59E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
4125	740209.89	4109241.8	8.35E-05	1.52E-04	8.35E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.92E-07
4126	740235.6	4109205.13	7.89E-05	1.44E-04	7.90E-06	1.22E-05	2.36E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.76E-06	1.12E-05	3.71E-07
4127	740248.45	4109186.79	7.67E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.61E-07
4128	740274.16	4109150.12	7.26E-05	1.32E-04	7.26E-06	1.13E-05	2.17E-05	1.09E-06	1.09E-05	1.87E-05	1.38E-06	6.22E-06	1.03E-05	3.41E-07
4129	740299.87	4109113.45	6.87E-05	1.25E-04	6.88E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.74E-06	3.23E-07
4130	740312.73	4109095.11	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
4131	740338.44	4109058.44	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.50E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4132	740351.3	4109040.1	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.73E-06	2.89E-07
4133	740377.01	4109003.43	5.82E-05	1.06E-04	5.82E-06	9.02E-06	1.74E-05	8.73E-07	8.77E-06	1.50E-05	1.11E-06	4.99E-06	8.25E-06	2.73E-07
4134	740389.86	4108985.09	5.66E-05	1.03E-04	5.66E-06	8.77E-06	1.69E-05	8.49E-07	8.53E-06	1.45E-05	1.08E-06	4.85E-06	8.02E-06	2.66E-07
4135	740415.57	4108948.42	5.35E-05	9.75E-05	5.36E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.59E-06	7.59E-06	2.52E-07
4136	740428.43	4108930.08	5.21E-05	9.50E-05	5.22E-06	8.09E-06	1.56E-05	7.83E-07	7.86E-06	1.34E-05	9.94E-07	4.47E-06	7.39E-06	2.45E-07
4137	740454.14	4108893.41	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
4138	740466.99	4108875.07	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
4139	740492.7	4108838.4	4.74E-05	8.64E-05	4.75E-06	7.36E-06	1.42E-05	7.12E-07	7.15E-06	1.22E-05	9.04E-07	4.06E-06	6.72E-06	2.23E-07
4140	740505.56	4108820.06	4.70E-05	8.56E-05	4.70E-06	7.29E-06	1.40E-05	7.05E-07	7.09E-06	1.21E-05	8.95E-07	4.03E-06	6.66E-06	2.21E-07
4141	740531.27	4108783.39	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
4142	740544.12	4108765.05	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
4143	740569.83	4108728.38	4.69E-05	8.54E-05	4.69E-06	7.27E-06	1.40E-05	7.03E-07	7.07E-06	1.20E-05	8.93E-07	4.01E-06	6.64E-06	2.20E-07
4144	740582.69	4108710.04	4.71E-05	8.58E-05	4.71E-06	7.31E-06	1.41E-05	7.07E-07	7.10E-06	1.21E-05	8.98E-07	4.04E-06	6.68E-06	2.21E-07
4145	740608.4	4108673.37	4.77E-05	8.70E-05	4.78E-06	7.40E-06	1.43E-05	7.16E-07	7.20E-06	1.23E-05	9.10E-07	4.09E-06	6.77E-06	2.24E-07
4146	740634.11	4108636.7	4.83E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.26E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.85E-06	2.27E-07
4147	740646.97	4108618.36	4.86E-05	8.86E-05	4.86E-06	7.54E-06	1.45E-05	7.30E-07	7.33E-06	1.25E-05	9.27E-07	4.17E-06	6.89E-06	2.28E-07
4148	740672.68	4108581.69	4.90E-05	8.92E-05	4.90E-06	7.59E-06	1.46E-05	7.35E-07	7.38E-06	1.26E-05	9.33E-07	4.19E-06	6.94E-06	2.30E-07
4149	740685.53	4108563.35	4.90E-05	8.93E-05	4.90E-06	7.60E-06	1.46E-05	7.35E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
4150	740711.24	4108526.68	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.36E-06	1.26E-05	9.31E-07	4.18E-06	6.92E-06	2.29E-07
4151	740724.1	4108508.34	4.86E-05	8.86E-05	4.86E-06	7.54E-06	1.45E-05	7.29E-07	7.33E-06	1.25E-05	9.26E-07	4.16E-06	6.89E-06	2.28E-07
4152	740749.81	4108471.67	4.78E-05	8.72E-05	4.79E-06	7.42E-06	1.43E-05	7.18E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
4153	740762.66	4108453.33	4.73E-05	8.62E-05	4.73E-06	7.34E-06	1.41E-05	7.10E-07	7.14E-06	1.22E-05	9.02E-07	4.05E-06	6.71E-06	2.22E-07
4154	740788.37	4108416.66	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
4155	740218.73	4111023.64	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
4156	740242.95	4111061.61	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.75E-06	1.45E-05	4.80E-07
4157	740255.07	4111080.6	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.06E-05	1.54E-06	1.55E-05	2.64E-05	1.95E-06	8.79E-06	1.45E-05	4.82E-07
4158	740267.18	4111099.59	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.55E-05	2.65E-05	1.96E-06	8.82E-06	1.46E-05	4.84E-07
4159	740279.29	4111118.58	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
4160	740291.41	4111137.56	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.56E-05	2.66E-05	1.98E-06	8.88E-06	1.47E-05	4.87E-07
4161	740303.52	4111156.55	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4162	740315.63	4111175.54	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4163	740327.75	4111194.53	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4164	739877.63	4111216.8	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
4165	739869.87	4111172.87	7.77E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
4166	739862.12	4111128.94	7.79E-05	1.42E-04	7.79E-06	1.21E-05	2.33E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.67E-06	1.10E-05	3.66E-07
4167	739854.36	4111085.02	7.79E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.66E-07
4168	739846.6	4111041.09	7.80E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
4169	739838.85	4110997.16	7.83E-05	1.43E-04	7.83E-06	1.21E-05	2.34E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.71E-06	1.11E-05	3.68E-07
4170	739831.09	4110953.23	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
4171	739823.34	4110909.3	7.93E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.12E-05	3.73E-07
4172	739815.58	4110865.37	8.01E-05	1.46E-04	8.02E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
4173	739807.82	4110821.44	8.10E-05	1.48E-04	8.10E-06	1.26E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.80E-07
4174	739800.07	4110777.51	8.17E-05	1.49E-04	8.17E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.00E-06	1.16E-05	3.84E-07
4175	739792.31	4110733.58	8.23E-05	1.50E-04	8.23E-06	1.28E-05	2.46E-05	1.23E-06	1.24E-05	2.12E-05	1.57E-06	7.05E-06	1.17E-05	3.87E-07
4176	739784.55	4110689.65	8.30E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.25E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4177	739776.8	4110645.72	8.41E-05	1.53E-04	8.42E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
4178	739769.04	4110601.79	8.60E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.37E-06	1.22E-05	4.04E-07
4179	739761.29	4110557.86	8.89E-05	1.62E-04	8.90E-06	1.38E-05	2.66E-05	1.33E-06	1.34E-05	2.29E-05	1.69E-06	7.62E-06	1.26E-05	4.18E-07
4180	739753.53	4110513.93	9.28E-05	1.69E-04	9.28E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.95E-06	1.32E-05	4.36E-07
4181	739745.77	4110470	9.74E-05	1.78E-04	9.75E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.50E-05	1.86E-06	8.35E-06	1.38E-05	4.58E-07
4182	739738.02	4110426.07	1.02E-04	1.87E-04	1.03E-05	1.59E-05	3.06E-05	1.54E-06	1.55E-05	2.63E-05	1.95E-06	8.78E-06	1.45E-05	4.82E-07
4183	739730.26	4110382.14	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.76E-05	2.04E-06	9.19E-06	1.52E-05	5.04E-07
4184	739722.5	4110338.22	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.67E-05	2.85E-05	2.12E-06	9.52E-06	1.57E-05	5.22E-07
4185	739714.75	4110294.29	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.92E-05	2.16E-06	9.73E-06	1.61E-05	5.34E-07

4186	739706.99	4110250.36	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.42E-05	1.72E-06	1.72E-05	2.94E-05	2.18E-06	9.80E-06	1.62E-05	5.38E-07
4187	739699.24	4110206.43	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.92E-05	2.16E-06	9.73E-06	1.61E-05	5.34E-07
4188	739691.48	4110162.5	1.11E-04	2.03E-04	1.11E-05	1.73E-05	3.33E-05	1.67E-06	1.68E-05	2.86E-05	2.12E-06	9.54E-06	1.58E-05	5.23E-07
4189	739683.72	4110118.57	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.27E-06	1.53E-05	5.09E-07
4190	739675.97	4110074.64	1.04E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.95E-06	1.48E-05	4.91E-07
4191	739668.21	4110030.71	1.00E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.61E-06	1.42E-05	4.72E-07
4192	739660.45	4109986.78	9.63E-05	1.75E-04	9.63E-06	1.49E-05	2.88E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.25E-06	1.37E-05	4.52E-07
4193	739652.7	4109942.85	9.22E-05	1.68E-04	9.23E-06	1.43E-05	2.76E-05	1.38E-06	1.39E-05	2.37E-05	1.76E-06	7.90E-06	1.31E-05	4.33E-07
4194	739644.94	4109898.92	8.84E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
4195	739637.19	4109854.99	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
4196	739629.43	4109811.06	8.19E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
4197	739621.67	4109767.13	7.95E-05	1.45E-04	7.95E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.81E-06	1.13E-05	3.74E-07
4198	739613.92	4109723.2	7.78E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
4199	739606.16	4109679.27	7.66E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.56E-06	1.09E-05	3.60E-07
4200	739598.4	4109635.35	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
4201	739590.65	4109591.42	7.60E-05	1.39E-04	7.60E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.95E-05	1.45E-06	6.51E-06	1.08E-05	3.57E-07
4202	739582.89	4109547.49	7.62E-05	1.39E-04	7.62E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.53E-06	1.08E-05	3.58E-07
4203	739587.94	4109485.29	7.73E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.16E-05	1.99E-05	1.47E-06	6.62E-06	1.10E-05	3.63E-07
4204	739613.55	4109448.77	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
4205	739639.16	4109412.24	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
4206	739664.76	4109375.71	8.01E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.86E-06	1.14E-05	3.76E-07
4207	739690.37	4109339.19	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
4208	739715.98	4109302.66	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.70E-07
4209	739741.59	4109266.13	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
4210	739754.39	4109247.87	7.56E-05	1.38E-04	7.57E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.94E-05	1.44E-06	6.48E-06	1.07E-05	3.55E-07
4211	739780	4109211.34	7.29E-05	1.33E-04	7.29E-06	1.13E-05	2.18E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.25E-06	1.03E-05	3.43E-07
4212	739805.6	4109174.82	6.98E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.98E-06	9.89E-06	3.28E-07
4213	739831.21	4109138.29	6.65E-05	1.21E-04	6.65E-06	1.03E-05	1.99E-05	9.98E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
4214	739856.82	4109101.76	6.32E-05	1.15E-04	6.32E-06	9.80E-06	1.89E-05	9.49E-07	9.53E-06	1.62E-05	1.20E-06	5.42E-06	8.96E-06	2.97E-07
4215	739882.43	4109065.24	6.01E-05	1.10E-04	6.01E-06	9.32E-06	1.80E-05	9.02E-07	9.06E-06	1.54E-05	1.15E-06	5.15E-06	8.52E-06	2.82E-07
4216	739908.04	4109028.71	5.72E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
4217	739933.64	4108992.18	5.46E-05	9.96E-05	5.47E-06	8.47E-06	1.63E-05	8.20E-07	8.24E-06	1.40E-05	1.04E-06	4.68E-06	7.75E-06	2.57E-07
4218	739959.25	4108955.66	5.23E-05	9.53E-05	5.23E-06	8.11E-06	1.56E-05	7.85E-07	7.89E-06	1.34E-05	9.97E-07	4.48E-06	7.42E-06	2.46E-07
4219	739984.86	4108919.13	5.01E-05	9.13E-05	5.01E-06	7.77E-06	1.50E-05	7.52E-07	7.56E-06	1.29E-05	9.55E-07	4.29E-06	7.11E-06	2.36E-07
4220	739997.66	4108900.87	4.91E-05	8.94E-05	4.91E-06	7.61E-06	1.47E-05	7.36E-07	7.40E-06	1.26E-05	9.35E-07	4.20E-06	6.96E-06	2.31E-07
4221	740023.27	4108864.34	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.02E-06	6.66E-06	2.21E-07
4222	740048.88	4108827.81	4.48E-05	8.17E-05	4.49E-06	6.95E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.54E-07	3.84E-06	6.36E-06	2.11E-07
4223	740074.49	4108791.29	4.27E-05	7.78E-05	4.27E-06	6.62E-06	1.28E-05	6.41E-07	6.44E-06	1.10E-05	8.13E-07	3.66E-06	6.05E-06	2.01E-07
4224	740100.09	4108754.76	4.06E-05	7.40E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.74E-07	3.48E-06	5.76E-06	1.91E-07
4225	740125.7	4108718.23	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.80E-07	5.83E-06	9.94E-06	7.37E-07	3.31E-06	5.48E-06	1.82E-07
4226	740151.31	4108681.71	3.70E-05	6.75E-05	3.70E-06	5.74E-06	1.11E-05	5.56E-07	5.58E-06	9.52E-06	7.05E-07	3.17E-06	5.25E-06	1.74E-07
4227	740176.92	4108645.18	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.40E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
4228	740202.52	4108608.65	3.50E-05	6.37E-05	3.50E-06	5.42E-06	1.05E-05	5.25E-07	5.27E-06	8.99E-06	6.67E-07	3.00E-06	4.96E-06	1.64E-07
4229	740228.13	4108572.13	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.20E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
4230	740240.93	4108553.86	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.22E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
4231	740266.54	4108517.34	3.48E-05	6.34E-05	3.48E-06	5.39E-06	1.04E-05	5.22E-07	5.24E-06	8.94E-06	6.63E-07	2.98E-06	4.93E-06	1.63E-07
4232	740292.15	4108480.81	3.52E-05	6.41E-05	3.52E-06	5.46E-06	1.05E-05	5.28E-07	5.31E-06	9.05E-06	6.71E-07	3.02E-06	4.99E-06	1.65E-07
4233	740317.76	4108444.28	3.57E-05	6.51E-05	3.58E-06	5.54E-06	1.07E-05	5.36E-07	5.39E-06	9.19E-06	6.81E-07	3.06E-06	5.07E-06	1.68E-07
4234	740343.37	4108407.76	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
4235	740368.97	4108371.23	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.53E-07	5.55E-06	9.46E-06	7.02E-07	3.15E-06	5.22E-06	1.73E-07
4236	740394.58	4108334.7	3.72E-05	6.77E-05	3.72E-06	5.76E-06	1.11E-05	5.58E-07	5.61E-06	9.56E-06	7.08E-07	3.19E-06	5.27E-06	1.75E-07
4237	740420.19	4108298.18	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.12E-07	3.20E-06	5.30E-06	1.76E-07
4238	740445.8	4108261.65	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.12E-07	3.20E-06	5.30E-06	1.76E-07
4239	740471.4	4108225.12	3.72E-05	6.77E-05	3.72E-06	5.76E-06	1.11E-05	5.58E-07	5.60E-06	9.55E-06	7.08E-07	3.18E-06	5.27E-06	1.75E-07
4240	740497.01	4108188.6	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.54E-06	9.45E-06	7.00E-07	3.15E-06	5.21E-06	1.73E-07
4241	740522.62	4108152.07	3.61E-05	6.58E-05	3.62E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.12E-06	1.70E-07
4242	740548.23	4108115.54	3.53E-05	6.44E-05	3.53E-06	5.48E-06	1.06E-05	5.30E-07	5.33E-06	9.08E-06	6.73E-07	3.03E-06	5.01E-06	1.66E-07
4243	739893.62	4111257.76	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
4244	739905.73	4111276.74	7.80E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.66E-07
4245	739917.85	4111295.73	7.82E-05	1.43E-04	7.83E-06	1.21E-05	2.34E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.68E-07
4246	739929.96	4111314.72	7.85E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.18E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
4247	739942.07	4111333.71	7.88E-05	1.44E-04	7.88E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.75E-06	1.12E-05	3.70E-07
4248	739954.19	4111352.69	7.90E-05	1.44E-04	7.91E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.77E-06	1.12E-05	3.71E-07
4249	739966.3	4111371.68	7.92E-05	1.44E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.19E-05	2.04E-05	1.51E-06	6.79E-06	1.12E-05	3.72E-07
4250	739978.41	4111390.67	7.93E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.12E-05	3.73E-07
4251	739990.53	4111409.66	7.93E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
4252	739540.38	4111431.76	6.19E-05	1.13E-04	6.20E-06	9.61E-06	1.85E-05	9.30E-07	9.34E-06	1.59E-05	1.18E-06	5.31E-06	8.78E-06	2.91E-07
4253	739536.47	4111409.62	6.21E-05	1.13E-04	6.21E-06	9.62E-06	1.85E-05	9.31E-07	9.36E-06	1.60E-05	1.18E-06	5.32E-06	8.80E-06	2.92E-07
4254	739528.65	4111365.34	6.23E-05	1.13E-04	6.23E-06	9.66E-06	1.86E-05	9.34E-07	9.39E-06	1.60E-05	1.19E-06	5.34E-06	8.83E-06	2.93E-07
4255	739520.83	4111321.05	6.24E-05	1.14E-04	6.24E-06	9.68E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
4256	739513.01	4111276.77	6.25E-05	1.14E-04	6.25E-06	9.69E-06	1.87E-05	9.37E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.86E-06	2.94E-07

4257	739505.19	4111232.49	6.25E-05	1.14E-04	6.25E-06	9.69E-06	1.87E-05	9.38E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.86E-06	2.94E-07
4258	739501.28	4111210.35	6.25E-05	1.14E-04	6.25E-06	9.69E-06	1.87E-05	9.38E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.86E-06	2.94E-07
4259	739493.46	4111166.06	6.26E-05	1.14E-04	6.26E-06	9.70E-06	1.87E-05	9.39E-07	9.43E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
4260	739485.65	4111121.78	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
4261	739477.83	4111077.5	6.32E-05	1.15E-04	6.32E-06	9.80E-06	1.89E-05	9.49E-07	9.53E-06	1.62E-05	1.20E-06	5.42E-06	8.96E-06	2.97E-07
4262	739473.92	4111055.36	6.35E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.53E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	9.00E-06	2.98E-07
4263	739466.1	4111011.08	6.41E-05	1.17E-04	6.41E-06	9.93E-06	1.91E-05	9.61E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
4264	739458.28	4110966.79	6.47E-05	1.18E-04	6.47E-06	1.00E-05	1.93E-05	9.71E-07	9.75E-06	1.66E-05	1.23E-06	5.54E-06	9.17E-06	3.04E-07
4265	739450.46	4110922.51	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.79E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
4266	739446.55	4110900.37	6.54E-05	1.19E-04	6.55E-06	1.01E-05	1.95E-05	9.82E-07	9.87E-06	1.68E-05	1.25E-06	5.61E-06	9.28E-06	3.07E-07
4267	739438.74	4110856.09	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.97E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
4268	739430.92	4110811.81	6.61E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.97E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
4269	739423.1	4110767.52	6.67E-05	1.21E-04	6.67E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.71E-05	1.27E-06	5.71E-06	9.45E-06	3.13E-07
4270	739415.28	4110723.24	6.76E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.59E-06	3.18E-07
4271	739411.37	4110701.1	6.83E-05	1.24E-04	6.83E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.76E-05	1.30E-06	5.85E-06	9.68E-06	3.21E-07
4272	739403.55	4110656.82	7.01E-05	1.28E-04	7.02E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.80E-05	1.34E-06	6.01E-06	9.94E-06	3.30E-07
4273	739395.73	4110612.54	7.27E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.23E-06	1.03E-05	3.42E-07
4274	739387.91	4110568.25	7.59E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.45E-06	6.50E-06	1.08E-05	3.56E-07
4275	739384.01	4110546.11	7.76E-05	1.41E-04	7.77E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
4276	739376.19	4110501.83	8.13E-05	1.48E-04	8.13E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.97E-06	1.15E-05	3.82E-07
4277	739368.37	4110457.55	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
4278	739360.55	4110413.27	8.81E-05	1.61E-04	8.81E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
4279	739356.64	4110391.12	8.94E-05	1.63E-04	8.94E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.66E-06	1.27E-05	4.20E-07
4280	739348.82	4110346.84	9.12E-05	1.66E-04	9.13E-06	1.41E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.82E-06	1.29E-05	4.29E-07
4281	739341	4110302.56	9.20E-05	1.68E-04	9.20E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.88E-06	1.30E-05	4.32E-07
4282	739333.18	4110258.28	9.16E-05	1.67E-04	9.16E-06	1.42E-05	2.74E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.85E-06	1.30E-05	4.30E-07
4283	739325.37	4110213.99	9.02E-05	1.64E-04	9.03E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.73E-06	1.28E-05	4.24E-07
4284	739321.46	4110191.85	8.92E-05	1.63E-04	8.93E-06	1.38E-05	2.66E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.64E-06	1.26E-05	4.19E-07
4285	739313.64	4110147.57	8.68E-05	1.58E-04	8.69E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
4286	739305.82	4110103.29	8.41E-05	1.53E-04	8.42E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
4287	739298	4110059.01	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.82E-07
4288	739294.09	4110036.87	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
4289	739286.27	4109992.58	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
4290	739278.46	4109948.3	7.39E-05	1.35E-04	7.39E-06	1.15E-05	2.21E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.33E-06	1.05E-05	3.47E-07
4291	739270.64	4109904.02	7.11E-05	1.30E-04	7.12E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.09E-06	1.01E-05	3.34E-07
4292	739262.82	4109859.74	6.85E-05	1.25E-04	6.86E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.87E-06	9.72E-06	3.22E-07
4293	739258.91	4109837.6	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.77E-06	9.54E-06	3.16E-07
4294	739251.09	4109793.31	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
4295	739243.27	4109749.03	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4296	739235.45	4109704.75	6.18E-05	1.13E-04	6.19E-06	9.59E-06	1.85E-05	9.28E-07	9.32E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
4297	739231.54	4109682.61	6.13E-05	1.12E-04	6.13E-06	9.50E-06	1.83E-05	9.20E-07	9.24E-06	1.58E-05	1.17E-06	5.25E-06	8.69E-06	2.88E-07
4298	739223.73	4109638.32	6.05E-05	1.10E-04	6.05E-06	9.38E-06	1.81E-05	9.08E-07	9.12E-06	1.56E-05	1.15E-06	5.18E-06	8.58E-06	2.84E-07
4299	739215.91	4109594.04	6.01E-05	1.10E-04	6.02E-06	9.32E-06	1.80E-05	9.02E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
4300	739208.09	4109549.76	6.01E-05	1.09E-04	6.01E-06	9.32E-06	1.79E-05	9.02E-07	9.06E-06	1.54E-05	1.14E-06	5.15E-06	8.52E-06	2.82E-07
4301	739204.18	4109527.62	6.01E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
4302	739196.36	4109483.34	6.04E-05	1.10E-04	6.04E-06	9.37E-06	1.80E-05	9.07E-07	9.11E-06	1.55E-05	1.15E-06	5.18E-06	8.56E-06	2.84E-07
4303	739188.54	4109439.05	6.07E-05	1.11E-04	6.08E-06	9.42E-06	1.81E-05	9.11E-07	9.16E-06	1.56E-05	1.16E-06	5.20E-06	8.61E-06	2.85E-07
4304	739197.54	4109398.5	6.15E-05	1.12E-04	6.15E-06	9.54E-06	1.84E-05	9.23E-07	9.27E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
4305	739210.45	4109380.09	6.21E-05	1.13E-04	6.21E-06	9.63E-06	1.85E-05	9.32E-07	9.36E-06	1.60E-05	1.18E-06	5.32E-06	8.80E-06	2.92E-07
4306	739236.26	4109343.27	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.40E-06	8.94E-06	2.96E-07
4307	739249.17	4109324.86	6.34E-05	1.16E-04	6.35E-06	9.84E-06	1.89E-05	9.52E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.99E-06	2.98E-07
4308	739274.98	4109288.04	6.38E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
4309	739300.79	4109251.22	6.38E-05	1.16E-04	6.38E-06	9.89E-06	1.91E-05	9.57E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.04E-06	3.00E-07
4310	739313.7	4109232.81	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.01E-06	2.99E-07
4311	739339.51	4109195.99	6.28E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.42E-07	9.46E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
4312	739352.42	4109177.58	6.22E-05	1.13E-04	6.22E-06	9.64E-06	1.86E-05	9.33E-07	9.37E-06	1.60E-05	1.18E-06	5.33E-06	8.81E-06	2.92E-07
4313	739378.23	4109140.76	6.07E-05	1.11E-04	6.07E-06	9.41E-06	1.81E-05	9.11E-07	9.15E-06	1.56E-05	1.16E-06	5.20E-06	8.60E-06	2.85E-07
4314	739391.14	4109122.35	5.98E-05	1.09E-04	5.98E-06	9.27E-06	1.79E-05	8.97E-07	9.01E-06	1.54E-05	1.14E-06	5.12E-06	8.48E-06	2.81E-07
4315	739416.95	4109085.53	5.78E-05	1.05E-04	5.78E-06	8.96E-06	1.73E-05	8.67E-07	8.71E-06	1.48E-05	1.10E-06	4.95E-06	8.19E-06	2.71E-07
4316	739429.86	4109067.12	5.67E-05	1.03E-04	5.67E-06	8.79E-06	1.69E-05	8.50E-07	8.54E-06	1.46E-05	1.08E-06	4.85E-06	8.03E-06	2.66E-07
4317	739455.67	4109030.3	5.43E-05	9.90E-05	5.44E-06	8.43E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.04E-06	4.66E-06	7.70E-06	2.55E-07
4318	739481.49	4108993.48	5.19E-05	9.46E-05	5.19E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.89E-07	4.45E-06	7.36E-06	2.44E-07
4319	739494.39	4108975.07	5.07E-05	9.24E-05	5.07E-06	7.86E-06	1.52E-05	7.61E-07	7.65E-06	1.30E-05	9.66E-07	4.35E-06	7.19E-06	2.38E-07
4320	739520.21	4108938.25	4.84E-05	8.82E-05	4.84E-06	7.50E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
4321	739533.11	4108919.84	4.73E-05	8.62E-05	4.73E-06	7.33E-06	1.41E-05	7.10E-07	7.13E-06	1.22E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
4322	739558.93	4108883.02	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
4323	739571.83	4108864.61	4.43E-05	8.08E-05	4.44E-06	6.88E-06	1.32E-05	6.65E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
4324	739597.65	4108827.79	4.26E-05	7.77E-05	4.27E-06	6.61E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.13E-07	3.65E-06	6.05E-06	2.00E-07
4325	739623.46	4108790.97	4.11E-05	7.49E-05	4.12E-06	6.38E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.84E-07	3.52E-06	5.83E-06	1.93E-07
4326	739636.37	4108772.56	4.04E-05	7.37E-05	4.04E-06	6.27E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.70E-07	3.46E-06	5.73E-06	1.90E-07
4327	739662.18	4108735.74	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07

4328	739675.09	4108717.33	3.84E-05	7.00E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.79E-06	9.87E-06	7.32E-07	3.29E-06	5.44E-06	1.80E-07
4329	739700.9	4108680.51	3.70E-05	6.75E-05	3.71E-06	5.74E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
4330	739713.81	4108662.1	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.09E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
4331	739739.62	4108625.28	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
4332	739752.53	4108606.87	3.41E-05	6.22E-05	3.41E-06	5.29E-06	1.02E-05	5.12E-07	5.14E-06	8.77E-06	6.50E-07	2.92E-06	4.84E-06	1.60E-07
4333	739778.34	4108570.05	3.26E-05	5.93E-05	3.26E-06	5.05E-06	9.73E-06	4.89E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.62E-06	1.53E-07
4334	739804.15	4108533.23	3.11E-05	5.66E-05	3.11E-06	4.82E-06	9.28E-06	4.66E-07	4.69E-06	7.99E-06	5.92E-07	2.66E-06	4.41E-06	1.46E-07
4335	739817.06	4108514.82	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
4336	739842.87	4108478	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.69E-06	4.37E-07	4.39E-06	7.48E-06	5.55E-07	2.49E-06	4.13E-06	1.37E-07
4337	739855.78	4108459.59	2.86E-05	5.20E-05	2.86E-06	4.43E-06	8.53E-06	4.29E-07	4.31E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
4338	739881.59	4108422.77	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.27E-06	4.16E-07	4.17E-06	7.12E-06	5.28E-07	2.37E-06	3.93E-06	1.30E-07
4339	739894.5	4108404.36	2.74E-05	4.99E-05	2.74E-06	4.24E-06	8.18E-06	4.11E-07	4.13E-06	7.04E-06	5.22E-07	2.35E-06	3.88E-06	1.29E-07
4340	739920.31	4108367.54	2.70E-05	4.92E-05	2.70E-06	4.19E-06	8.06E-06	4.05E-07	4.07E-06	6.94E-06	5.14E-07	2.31E-06	3.83E-06	1.27E-07
4341	739946.13	4108330.72	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.82E-06	1.26E-07
4342	739959.03	4108312.31	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
4343	739984.85	4108275.49	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.14E-06	4.09E-07	4.11E-06	7.01E-06	5.19E-07	2.34E-06	3.87E-06	1.28E-07
4344	739997.75	4108257.08	2.75E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.06E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
4345	740023.57	4108220.26	2.79E-05	5.09E-05	2.79E-06	4.33E-06	8.34E-06	4.19E-07	4.21E-06	7.17E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
4346	740036.47	4108201.85	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.36E-07	2.41E-06	3.99E-06	1.32E-07
4347	740062.29	4108165.03	2.86E-05	5.22E-05	2.86E-06	4.44E-06	8.55E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
4348	740075.19	4108146.62	2.89E-05	5.26E-05	2.89E-06	4.47E-06	8.62E-06	4.33E-07	4.35E-06	7.42E-06	5.50E-07	2.47E-06	4.09E-06	1.36E-07
4349	740101.01	4108109.8	2.92E-05	5.33E-05	2.93E-06	4.53E-06	8.73E-06	4.39E-07	4.41E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
4350	740126.82	4108072.98	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
4351	740139.73	4108054.57	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
4352	740165.54	4108017.75	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
4353	740178.45	4107999.34	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
4354	740204.26	4107962.52	2.96E-05	5.40E-05	2.96E-06	4.59E-06	8.85E-06	4.44E-07	4.47E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
4355	740217.17	4107944.11	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
4356	740242.98	4107907.29	2.93E-05	5.34E-05	2.93E-06	4.54E-06	8.75E-06	4.40E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
4357	740268.79	4107870.47	2.89E-05	5.27E-05	2.90E-06	4.49E-06	8.65E-06	4.34E-07	4.36E-06	7.44E-06	5.52E-07	2.48E-06	4.10E-06	1.36E-07
4358	740281.7	4107852.06	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
4359	740307.51	4107815.24	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.43E-06	4.23E-07	4.25E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
4360	740320.42	4107796.83	2.79E-05	5.08E-05	2.79E-06	4.33E-06	8.33E-06	4.19E-07	4.21E-06	7.17E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
4361	740346.23	4107760.01	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.12E-06	4.08E-07	4.10E-06	6.99E-06	5.18E-07	2.33E-06	3.86E-06	1.28E-07
4362	739544.29	4111453.9	6.18E-05	1.13E-04	6.19E-06	9.59E-06	1.85E-05	9.28E-07	9.32E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
4363	739556.4	4111472.89	6.20E-05	1.13E-04	6.20E-06	9.62E-06	1.85E-05	9.31E-07	9.35E-06	1.59E-05	1.18E-06	5.31E-06	8.79E-06	2.91E-07
4364	739568.51	4111491.88	6.22E-05	1.13E-04	6.22E-06	9.65E-06	1.86E-05	9.34E-07	9.38E-06	1.60E-05	1.19E-06	5.33E-06	8.82E-06	2.92E-07
4365	739592.74	4111529.85	6.26E-05	1.14E-04	6.26E-06	9.71E-06	1.87E-05	9.40E-07	9.44E-06	1.61E-05	1.19E-06	5.36E-06	8.88E-06	2.94E-07
4366	739604.85	4111548.84	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
4367	739616.97	4111567.83	6.30E-05	1.15E-04	6.30E-06	9.77E-06	1.88E-05	9.45E-07	9.50E-06	1.62E-05	1.20E-06	5.40E-06	8.93E-06	2.96E-07
4368	739629.08	4111586.81	6.31E-05	1.15E-04	6.32E-06	9.79E-06	1.89E-05	9.48E-07	9.52E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.97E-07
4369	739641.19	4111605.8	6.32E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4370	739653.31	4111624.79	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4371	739203.17	4111646.97	5.10E-05	9.29E-05	5.10E-06	7.91E-06	1.52E-05	7.65E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
4372	739195.38	4111602.84	5.12E-05	9.33E-05	5.12E-06	7.94E-06	1.53E-05	7.69E-07	7.72E-06	1.32E-05	9.76E-07	4.39E-06	7.26E-06	2.41E-07
4373	739187.59	4111558.71	5.14E-05	9.37E-05	5.15E-06	7.98E-06	1.54E-05	7.72E-07	7.76E-06	1.32E-05	9.80E-07	4.41E-06	7.29E-06	2.42E-07
4374	739179.79	4111514.59	5.16E-05	9.40E-05	5.16E-06	8.00E-06	1.54E-05	7.74E-07	7.78E-06	1.33E-05	9.83E-07	4.42E-06	7.31E-06	2.42E-07
4375	739172	4111470.46	5.17E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.43E-06	7.32E-06	2.43E-07
4376	739164.21	4111426.33	5.17E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.43E-06	7.32E-06	2.43E-07
4377	739156.42	4111382.2	5.16E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.42E-06	7.32E-06	2.43E-07
4378	739148.63	4111338.07	5.17E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.43E-06	7.32E-06	2.43E-07
4379	739140.84	4111293.95	5.18E-05	9.43E-05	5.18E-06	8.03E-06	1.55E-05	7.77E-07	7.81E-06	1.33E-05	9.86E-07	4.44E-06	7.34E-06	2.43E-07
4380	739133.05	4111249.82	5.20E-05	9.47E-05	5.20E-06	8.06E-06	1.55E-05	7.80E-07	7.84E-06	1.34E-05	9.91E-07	4.46E-06	7.37E-06	2.44E-07
4381	739125.26	4111205.69	5.23E-05	9.54E-05	5.24E-06	8.12E-06	1.56E-05	7.86E-07	7.89E-06	1.35E-05	9.97E-07	4.48E-06	7.42E-06	2.46E-07
4382	739117.46	4111161.56	5.28E-05	9.62E-05	5.28E-06	8.19E-06	1.58E-05	7.92E-07	7.96E-06	1.36E-05	1.01E-06	4.52E-06	7.49E-06	2.48E-07
4383	739109.67	4111117.44	5.33E-05	9.71E-05	5.33E-06	8.26E-06	1.59E-05	8.00E-07	8.03E-06	1.37E-05	1.02E-06	4.57E-06	7.55E-06	2.50E-07
4384	739105.78	4111095.37	5.35E-05	9.75E-05	5.35E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.58E-06	7.59E-06	2.51E-07
4385	739097.99	4111051.25	5.39E-05	9.82E-05	5.39E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
4386	739090.2	4111007.12	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
4387	739082.4	4110962.99	5.44E-05	9.91E-05	5.44E-06	8.43E-06	1.62E-05	8.16E-07	8.20E-06	1.40E-05	1.04E-06	4.66E-06	7.71E-06	2.56E-07
4388	739074.61	4110918.86	5.46E-05	9.95E-05	5.46E-06	8.46E-06	1.63E-05	8.19E-07	8.23E-06	1.40E-05	1.04E-06	4.68E-06	7.74E-06	2.56E-07
4389	739066.82	4110874.73	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.27E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
4390	739059.03	4110830.61	5.54E-05	1.01E-04	5.54E-06	8.59E-06	1.66E-05	8.32E-07	8.35E-06	1.42E-05	1.06E-06	4.75E-06	7.86E-06	2.60E-07
4391	739051.24	4110786.48	5.63E-05	1.03E-04	5.64E-06	8.74E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.83E-06	7.99E-06	2.65E-07
4392	739043.45	4110742.35	5.77E-05	1.05E-04	5.78E-06	8.95E-06	1.72E-05	8.66E-07	8.71E-06	1.48E-05	1.10E-06	4.95E-06	8.19E-06	2.71E-07
4393	739035.66	4110698.22	5.96E-05	1.09E-04	5.96E-06	9.24E-06	1.78E-05	8.94E-07	8.98E-06	1.53E-05	1.14E-06	5.11E-06	8.45E-06	2.80E-07
4394	739027.87	4110654.1	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.78E-06	2.91E-07
4395	739020.07	4110609.97	6.45E-05	1.18E-04	6.45E-06	1.00E-05	1.93E-05	9.68E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
4396	739012.28	4110565.84	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.77E-06	9.54E-06	3.16E-07
4397	739004.49	4110521.71	7.00E-05	1.28E-04	7.01E-06	1.09E-05	2.09E-05	1.05E-06	1.06E-05	1.80E-05	1.33E-06	6.00E-06	9.93E-06	3.29E-07
4398	738996.7	4110477.59	7.25E-05	1.32E-04	7.26E-06	1.12E-05	2.17E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07

4399	738988.91	4110433.46	7.45E-05	1.36E-04	7.45E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
4400	738981.12	4110389.33	7.57E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
4401	738973.33	4110345.2	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
4402	738965.54	4110301.08	7.58E-05	1.38E-04	7.58E-06	1.18E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.50E-06	1.07E-05	3.56E-07
4403	738957.75	4110256.95	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
4404	738949.95	4110212.82	7.32E-05	1.33E-04	7.32E-06	1.14E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
4405	738942.16	4110168.69	7.13E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
4406	738934.37	4110124.57	6.92E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.93E-06	9.82E-06	3.25E-07
4407	738926.58	4110080.44	6.71E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.75E-06	9.51E-06	3.15E-07
4408	738922.68	4110058.37	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.36E-06	3.10E-07
4409	738914.89	4110014.25	6.38E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
4410	738907.1	4109970.12	6.17E-05	1.12E-04	6.18E-06	9.57E-06	1.84E-05	9.26E-07	9.31E-06	1.59E-05	1.18E-06	5.29E-06	8.75E-06	2.90E-07
4411	738899.31	4109925.99	5.97E-05	1.09E-04	5.97E-06	9.26E-06	1.78E-05	8.96E-07	9.00E-06	1.53E-05	1.14E-06	5.11E-06	8.46E-06	2.81E-07
4412	738891.52	4109881.86	5.77E-05	1.05E-04	5.78E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.95E-06	8.18E-06	2.71E-07
4413	738883.73	4109837.74	5.59E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.39E-07	8.43E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.63E-07
4414	738875.94	4109793.61	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
4415	738868.15	4109749.48	5.26E-05	9.59E-05	5.27E-06	8.16E-06	1.57E-05	7.90E-07	7.94E-06	1.35E-05	1.00E-06	4.51E-06	7.46E-06	2.47E-07
4416	738860.35	4109705.35	5.14E-05	9.36E-05	5.14E-06	7.96E-06	1.53E-05	7.71E-07	7.75E-06	1.32E-05	9.79E-07	4.40E-06	7.28E-06	2.41E-07
4417	738852.56	4109661.23	5.04E-05	9.18E-05	5.04E-06	7.81E-06	1.50E-05	7.56E-07	7.60E-06	1.29E-05	9.60E-07	4.32E-06	7.14E-06	2.37E-07
4418	738844.77	4109617.1	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.49E-06	1.28E-05	9.46E-07	4.26E-06	7.04E-06	2.33E-07
4419	738836.98	4109572.97	4.92E-05	8.97E-05	4.93E-06	7.64E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
4420	738829.19	4109528.84	4.91E-05	8.94E-05	4.91E-06	7.61E-06	1.47E-05	7.36E-07	7.40E-06	1.26E-05	9.35E-07	4.20E-06	6.96E-06	2.31E-07
4421	738821.4	4109484.72	4.91E-05	8.95E-05	4.92E-06	7.62E-06	1.47E-05	7.37E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.96E-06	2.31E-07
4422	738813.61	4109440.59	4.93E-05	8.99E-05	4.94E-06	7.65E-06	1.47E-05	7.40E-07	7.44E-06	1.27E-05	9.40E-07	4.23E-06	6.99E-06	2.32E-07
4423	738805.82	4109396.46	4.96E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.49E-06	1.28E-05	9.46E-07	4.25E-06	7.04E-06	2.33E-07
4424	738798.03	4109352.33	5.00E-05	9.10E-05	5.00E-06	7.75E-06	1.49E-05	7.50E-07	7.53E-06	1.28E-05	9.52E-07	4.28E-06	7.08E-06	2.35E-07
4425	738806.99	4109311.92	5.06E-05	9.22E-05	5.06E-06	7.85E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.34E-06	7.17E-06	2.38E-07
4426	738819.85	4109293.58	5.11E-05	9.30E-05	5.11E-06	7.92E-06	1.53E-05	7.66E-07	7.70E-06	1.31E-05	9.73E-07	4.38E-06	7.24E-06	2.40E-07
4427	738845.58	4109256.89	5.18E-05	9.44E-05	5.19E-06	8.04E-06	1.55E-05	7.78E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.35E-06	2.44E-07
4428	738858.44	4109238.54	5.21E-05	9.50E-05	5.22E-06	8.08E-06	1.56E-05	7.82E-07	7.86E-06	1.34E-05	9.93E-07	4.47E-06	7.39E-06	2.45E-07
4429	738884.16	4109201.85	5.25E-05	9.57E-05	5.25E-06	8.14E-06	1.57E-05	7.88E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.44E-06	2.47E-07
4430	738909.88	4109165.16	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
4431	738922.75	4109146.81	5.25E-05	9.56E-05	5.25E-06	8.14E-06	1.57E-05	7.87E-07	7.91E-06	1.35E-05	1.00E-06	4.50E-06	7.44E-06	2.47E-07
4432	738948.47	4109110.12	5.20E-05	9.48E-05	5.21E-06	8.07E-06	1.55E-05	7.81E-07	7.85E-06	1.34E-05	9.91E-07	4.46E-06	7.38E-06	2.45E-07
4433	738974.19	4109073.43	5.13E-05	9.34E-05	5.13E-06	7.95E-06	1.53E-05	7.70E-07	7.73E-06	1.32E-05	9.77E-07	4.39E-06	7.27E-06	2.41E-07
4434	738987.05	4109055.08	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
4435	739012.78	4109018.39	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.49E-06	1.28E-05	9.46E-07	4.26E-06	7.04E-06	2.33E-07
4436	739025.64	4109000.05	4.90E-05	8.93E-05	4.90E-06	7.60E-06	1.46E-05	7.35E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
4437	739051.36	4108963.35	4.75E-05	8.65E-05	4.75E-06	7.36E-06	1.42E-05	7.13E-07	7.16E-06	1.22E-05	9.05E-07	4.07E-06	6.73E-06	2.23E-07
4438	739077.08	4108926.66	4.58E-05	8.35E-05	4.58E-06	7.10E-06	1.37E-05	6.87E-07	6.91E-06	1.18E-05	8.73E-07	3.92E-06	6.49E-06	2.15E-07
4439	739089.95	4108908.32	4.49E-05	8.19E-05	4.50E-06	6.97E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.56E-07	3.85E-06	6.37E-06	2.11E-07
4440	739115.67	4108871.63	4.31E-05	7.86E-05	4.31E-06	6.69E-06	1.29E-05	6.47E-07	6.50E-06	1.11E-05	8.22E-07	3.69E-06	6.11E-06	2.03E-07
4441	739128.53	4108853.28	4.22E-05	7.69E-05	4.22E-06	6.54E-06	1.26E-05	6.33E-07	6.36E-06	1.08E-05	8.04E-07	3.62E-06	5.98E-06	1.98E-07
4442	739154.25	4108816.59	4.04E-05	7.36E-05	4.04E-06	6.27E-06	1.21E-05	6.06E-07	6.09E-06	1.04E-05	7.70E-07	3.46E-06	5.73E-06	1.90E-07
4443	739179.98	4108779.9	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.81E-07	5.84E-06	9.95E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
4444	739192.84	4108761.55	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.75E-06	7.23E-07	3.25E-06	5.38E-06	1.78E-07
4445	739218.56	4108724.86	3.65E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.50E-06	9.37E-06	6.95E-07	3.12E-06	5.17E-06	1.71E-07
4446	739244.29	4108688.17	3.52E-05	6.41E-05	3.52E-06	5.46E-06	1.05E-05	5.28E-07	5.31E-06	9.04E-06	6.70E-07	3.01E-06	4.99E-06	1.65E-07
4447	739257.15	4108669.82	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.19E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
4448	739282.87	4108633.13	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
4449	739295.73	4108614.78	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.89E-06	4.97E-07	4.99E-06	8.51E-06	6.31E-07	2.84E-06	4.69E-06	1.56E-07
4450	739321.45	4108578.09	3.22E-05	5.87E-05	3.22E-06	5.00E-06	9.62E-06	4.84E-07	4.86E-06	8.28E-06	6.14E-07	2.76E-06	4.57E-06	1.51E-07
4451	739347.18	4108541.4	3.13E-05	5.71E-05	3.14E-06	4.86E-06	9.36E-06	4.70E-07	4.73E-06	8.06E-06	5.97E-07	2.69E-06	4.44E-06	1.47E-07
4452	739360.04	4108523.06	3.09E-05	5.63E-05	3.09E-06	4.79E-06	9.23E-06	4.63E-07	4.66E-06	7.94E-06	5.88E-07	2.65E-06	4.38E-06	1.45E-07
4453	739385.76	4108486.36	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
4454	739411.49	4108449.67	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.63E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
4455	739424.35	4108431.33	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.47E-06	4.26E-07	4.28E-06	7.29E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
4456	739450.07	4108394.64	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.13E-06	4.09E-07	4.11E-06	7.00E-06	5.19E-07	2.33E-06	3.86E-06	1.28E-07
4457	739462.93	4108376.29	2.66E-05	4.86E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
4458	739488.66	4108339.6	2.55E-05	4.65E-05	2.55E-06	3.95E-06	7.62E-06	3.83E-07	3.85E-06	6.56E-06	4.86E-07	2.19E-06	3.62E-06	1.20E-07
4459	739514.38	4108302.91	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.29E-06	3.66E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
4460	739527.24	4108284.56	2.39E-05	4.36E-05	2.39E-06	3.71E-06	7.14E-06	3.59E-07	3.61E-06	6.15E-06	4.56E-07	2.05E-06	3.39E-06	1.12E-07
4461	739552.96	4108247.87	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
4462	739578.69	4108211.18	2.24E-05	4.07E-05	2.24E-06	3.47E-06	6.68E-06	3.35E-07	3.37E-06	5.75E-06	4.26E-07	1.92E-06	3.17E-06	1.05E-07
4463	739591.55	4108192.83	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.60E-06	3.32E-07	3.33E-06	5.68E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
4464	739617.27	4108156.14	2.18E-05	3.97E-05	2.18E-06	3.37E-06	6.50E-06	3.27E-07	3.28E-06	5.59E-06	4.15E-07	1.86E-06	3.09E-06	1.02E-07
4465	739630.13	4108137.8	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.48E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
4466	739655.86	4108101.1	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.48E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
4467	739681.58	4108064.41	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
4468	739694.44	4108046.07	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.57E-06	3.30E-07	3.32E-06	5.66E-06	4.19E-07	1.89E-06	3.12E-06	1.03E-07
4469	739720.16	4108009.38	2.24E-05	4.07E-05	2.24E-06	3.47E-06	6.68E-06	3.35E-07	3.37E-06	5.75E-06	4.26E-07	1.92E-06	3.17E-06	1.05E-07

4470	739733.03	4107991.03	2.26E-05	4.11E-05	2.26E-06	3.50E-06	6.74E-06	3.38E-07	3.40E-06	5.80E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
4471	739758.75	4107954.34	2.30E-05	4.19E-05	2.30E-06	3.56E-06	6.86E-06	3.45E-07	3.46E-06	5.91E-06	4.38E-07	1.97E-06	3.26E-06	1.08E-07
4472	739784.47	4107917.65	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
4473	739797.33	4107899.3	2.35E-05	4.29E-05	2.36E-06	3.65E-06	7.03E-06	3.53E-07	3.55E-06	6.05E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
4474	739823.06	4107862.61	2.38E-05	4.34E-05	2.39E-06	3.70E-06	7.12E-06	3.58E-07	3.60E-06	6.13E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
4475	739848.78	4107825.92	2.41E-05	4.39E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.19E-06	4.59E-07	2.06E-06	3.41E-06	1.13E-07
4476	739861.64	4107807.57	2.41E-05	4.40E-05	2.42E-06	3.74E-06	7.21E-06	3.62E-07	3.64E-06	6.21E-06	4.60E-07	2.07E-06	3.42E-06	1.13E-07
4477	739887.36	4107770.88	2.42E-05	4.42E-05	2.42E-06	3.76E-06	7.24E-06	3.64E-07	3.65E-06	6.23E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
4478	739900.23	4107752.53	2.43E-05	4.42E-05	2.43E-06	3.76E-06	7.25E-06	3.64E-07	3.66E-06	6.24E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
4479	739925.95	4107715.84	2.42E-05	4.42E-05	2.43E-06	3.76E-06	7.24E-06	3.64E-07	3.66E-06	6.23E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
4480	739951.67	4107679.15	2.42E-05	4.40E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.64E-06	6.21E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
4481	739964.53	4107660.81	2.41E-05	4.39E-05	2.41E-06	3.74E-06	7.20E-06	3.62E-07	3.63E-06	6.20E-06	4.59E-07	2.06E-06	3.42E-06	1.13E-07
4482	739990.26	4107624.11	2.39E-05	4.36E-05	2.40E-06	3.71E-06	7.15E-06	3.59E-07	3.61E-06	6.15E-06	4.56E-07	2.05E-06	3.39E-06	1.13E-07
4483	740015.98	4107587.42	2.37E-05	4.32E-05	2.37E-06	3.68E-06	7.09E-06	3.56E-07	3.58E-06	6.10E-06	4.52E-07	2.03E-06	3.36E-06	1.11E-07
4484	740028.84	4107569.08	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
4485	740054.57	4107532.39	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
4486	740067.43	4107514.04	2.31E-05	4.21E-05	2.31E-06	3.59E-06	6.91E-06	3.47E-07	3.49E-06	5.94E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
4487	740093.15	4107477.35	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.78E-06	3.41E-07	3.42E-06	5.84E-06	4.33E-07	1.95E-06	3.22E-06	1.07E-07
4488	740118.87	4107440.66	2.22E-05	4.05E-05	2.22E-06	3.44E-06	6.63E-06	3.33E-07	3.35E-06	5.71E-06	4.23E-07	1.90E-06	3.15E-06	1.04E-07
4489	740131.73	4107422.31	2.19E-05	4.00E-05	2.19E-06	3.40E-06	6.55E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
4490	739219.18	4111688.02	5.10E-05	9.30E-05	5.10E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
4491	739231.29	4111707.01	5.12E-05	9.32E-05	5.12E-06	7.93E-06	1.53E-05	7.68E-07	7.71E-06	1.32E-05	9.75E-07	4.38E-06	7.25E-06	2.40E-07
4492	739243.4	4111726	5.13E-05	9.35E-05	5.13E-06	7.96E-06	1.53E-05	7.70E-07	7.74E-06	1.32E-05	9.78E-07	4.40E-06	7.27E-06	2.41E-07
4493	739255.52	4111744.98	5.15E-05	9.38E-05	5.15E-06	7.98E-06	1.54E-05	7.72E-07	7.76E-06	1.32E-05	9.80E-07	4.41E-06	7.30E-06	2.42E-07
4494	739267.63	4111763.97	5.16E-05	9.41E-05	5.16E-06	8.00E-06	1.54E-05	7.75E-07	7.78E-06	1.33E-05	9.84E-07	4.42E-06	7.32E-06	2.43E-07
4495	739279.74	4111782.96	5.18E-05	9.44E-05	5.18E-06	8.03E-06	1.55E-05	7.77E-07	7.81E-06	1.33E-05	9.87E-07	4.44E-06	7.34E-06	2.43E-07
4496	739291.86	4111801.95	5.19E-05	9.46E-05	5.20E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.90E-07	4.45E-06	7.36E-06	2.44E-07
4497	739303.97	4111820.93	5.20E-05	9.48E-05	5.21E-06	8.07E-06	1.55E-05	7.81E-07	7.85E-06	1.34E-05	9.92E-07	4.46E-06	7.38E-06	2.45E-07
4498	739316.08	4111839.92	5.21E-05	9.50E-05	5.21E-06	8.08E-06	1.56E-05	7.82E-07	7.86E-06	1.34E-05	9.93E-07	4.47E-06	7.39E-06	2.45E-07
4499	741943.48	4110193.41	3.75E-03	6.83E-03	3.75E-04	5.81E-04	1.12E-03	5.63E-05	5.65E-04	9.64E-04	7.14E-05	3.21E-04	5.31E-04	1.76E-05
4500	741963.59	4110179.92	4.23E-03	7.71E-03	4.23E-04	6.56E-04	1.26E-03	6.35E-05	6.38E-04	1.09E-03	8.06E-05	3.63E-04	6.00E-04	1.99E-05
4501	741983.7	4110166.43	4.77E-03	8.70E-03	4.77E-04	7.40E-04	1.43E-03	7.16E-05	7.20E-04	1.23E-03	9.09E-05	4.09E-04	6.77E-04	2.24E-05
4502	742003.81	4110152.93	5.32E-03	9.69E-03	5.32E-04	8.25E-04	1.59E-03	7.98E-05	8.02E-04	1.37E-03	1.01E-04	4.56E-04	7.54E-04	2.50E-05
4503	742023.92	4110139.44	5.82E-03	1.06E-02	5.82E-04	9.03E-04	1.74E-03	8.73E-05	8.78E-04	1.50E-03	1.11E-04	4.99E-04	8.25E-04	2.74E-05
4504	742044.03	4110125.95	6.25E-03	1.14E-02	6.26E-04	9.70E-04	1.87E-03	9.39E-05	9.43E-04	1.61E-03	1.19E-04	5.36E-04	8.87E-04	2.94E-05
4505	742064.14	4110112.46	6.61E-03	1.20E-02	6.62E-04	1.03E-03	1.98E-03	9.92E-05	9.97E-04	1.70E-03	1.26E-04	5.67E-04	9.37E-04	3.11E-05
4506	742084.25	4110098.96	6.90E-03	1.26E-02	6.91E-04	1.07E-03	2.06E-03	1.04E-04	1.04E-03	1.77E-03	1.32E-04	5.91E-04	9.79E-04	3.24E-05
4507	742104.36	4110085.47	7.14E-03	1.30E-02	7.14E-04	1.11E-03	2.13E-03	1.07E-04	1.08E-03	1.83E-03	1.36E-04	6.12E-04	1.01E-03	3.35E-05
4508	742124.47	4110071.98	7.34E-03	1.34E-02	7.34E-04	1.14E-03	2.19E-03	1.10E-04	1.11E-03	1.89E-03	1.40E-04	6.29E-04	1.04E-03	3.45E-05
4509	742144.58	4110058.49	7.50E-03	1.37E-02	7.50E-04	1.16E-03	2.24E-03	1.13E-04	1.13E-03	1.93E-03	1.43E-04	6.42E-04	1.06E-03	3.52E-05
4510	742164.69	4110044.99	7.63E-03	1.39E-02	7.63E-04	1.18E-03	2.28E-03	1.14E-04	1.15E-03	1.96E-03	1.45E-04	6.53E-04	1.08E-03	3.58E-05
4511	742184.8	4110031.5	7.71E-03	1.41E-02	7.72E-04	1.20E-03	2.30E-03	1.16E-04	1.16E-03	1.98E-03	1.47E-04	6.61E-04	1.09E-03	3.62E-05
4512	742204.91	4110018.01	7.73E-03	1.41E-02	7.74E-04	1.20E-03	2.31E-03	1.16E-04	1.17E-03	1.99E-03	1.47E-04	6.62E-04	1.10E-03	3.63E-05
4513	741977.52	4110200.68	3.00E-03	5.46E-03	3.00E-04	4.65E-04	8.96E-04	4.50E-05	4.52E-04	7.71E-04	5.71E-05	2.57E-04	4.25E-04	1.41E-05
4514	741997.63	4110187.19	3.28E-03	5.97E-03	3.28E-04	5.08E-04	9.79E-04	4.92E-05	4.94E-04	8.42E-04	6.24E-05	2.81E-04	4.65E-04	1.54E-05
4515	742017.74	4110173.69	3.56E-03	6.49E-03	3.56E-04	5.52E-04	1.06E-03	5.35E-05	5.37E-04	9.16E-04	6.79E-05	3.05E-04	5.05E-04	1.67E-05
4516	742037.85	4110160.2	3.83E-03	6.98E-03	3.83E-04	5.94E-04	1.14E-03	5.75E-05	5.78E-04	9.85E-04	7.30E-05	3.28E-04	5.43E-04	1.80E-05
4517	742057.96	4110146.71	4.07E-03	7.42E-03	4.07E-04	6.31E-04	1.22E-03	6.11E-05	6.14E-04	1.05E-03	7.76E-05	3.49E-04	5.77E-04	1.91E-05
4518	742078.07	4110133.22	4.27E-03	7.79E-03	4.28E-04	6.63E-04	1.28E-03	6.41E-05	6.44E-04	1.10E-03	8.14E-05	3.66E-04	6.06E-04	2.01E-05
4519	742098.18	4110119.72	4.44E-03	8.09E-03	4.44E-04	6.89E-04	1.33E-03	6.67E-05	6.70E-04	1.14E-03	8.46E-05	3.81E-04	6.30E-04	2.09E-05
4520	742118.29	4110106.23	4.58E-03	8.35E-03	4.58E-04	7.10E-04	1.37E-03	6.88E-05	6.91E-04	1.18E-03	8.73E-05	3.93E-04	6.50E-04	2.15E-05
4521	742138.4	4110092.74	4.70E-03	8.56E-03	4.70E-04	7.29E-04	1.40E-03	7.05E-05	7.09E-04	1.21E-03	8.95E-05	4.03E-04	6.66E-04	2.21E-05
4522	742158.51	4110079.25	4.79E-03	8.73E-03	4.79E-04	7.43E-04	1.43E-03	7.19E-05	7.23E-04	1.23E-03	9.13E-05	4.11E-04	6.79E-04	2.25E-05
4523	742178.62	4110065.76	4.86E-03	8.85E-03	4.86E-04	7.53E-04	1.45E-03	7.29E-05	7.32E-04	1.25E-03	9.26E-05	4.16E-04	6.89E-04	2.28E-05
4524	742198.73	4110052.26	4.89E-03	8.91E-03	4.89E-04	7.59E-04	1.46E-03	7.34E-05	7.38E-04	1.26E-03	9.32E-05	4.19E-04	6.94E-04	2.30E-05
4525	741898.25	4110235.04	2.48E-03	4.52E-03	2.48E-04	3.85E-04	7.41E-04	3.72E-05	3.74E-04	6.38E-04	4.73E-05	2.13E-04	3.52E-04	1.17E-05
4526	741991.45	4110221.44	2.27E-03	4.14E-03	2.28E-04	3.53E-04	6.79E-04	3.41E-05	3.43E-04	5.85E-04	4.33E-05	1.95E-04	3.22E-04	1.07E-05
4527	742011.56	4110207.95	2.44E-03	4.44E-03	2.44E-04	3.78E-04	7.28E-04	3.66E-05	3.67E-04	6.26E-04	4.64E-05	2.09E-04	3.45E-04	1.14E-05
4528	742031.67	4110194.45	2.60E-03	4.74E-03	2.60E-04	4.04E-04	7.78E-04	3.91E-05	3.92E-04	6.69E-04	4.96E-05	2.23E-04	3.69E-04	1.22E-05
4529	742051.78	4110180.96	2.76E-03	5.03E-03	2.76E-04	4.28E-04	8.25E-04	4.15E-05	4.17E-04	7.10E-04	5.26E-05	2.37E-04	3.92E-04	1.30E-05
4530	742071.89	4110167.47	2.91E-03	5.30E-03	2.91E-04	4.51E-04	8.69E-04	4.36E-05	4.38E-04	7.47E-04	5.54E-05	2.49E-04	4.12E-04	1.37E-05
4531	742092	4110153.98	3.03E-03	5.53E-03	3.03E-04	4.70E-04	9.06E-04	4.55E-05	4.57E-04	7.80E-04	5.78E-05	2.60E-04	4.30E-04	1.43E-05
4532	742112.11	4110140.48	3.14E-03	5.72E-03	3.14E-04	4.86E-04	9.37E-04	4.71E-05	4.73E-04	8.06E-04	5.98E-05	2.69E-04	4.45E-04	1.47E-05
4533	742132.22	4110126.99	3.23E-03	5.88E-03	3.23E-04	5.00E-04	9.64E-04	4.84E-05	4.86E-04	8.29E-04	6.15E-05	2.76E-04	4.57E-04	1.52E-05
4534	742152.33	4110113.5	3.30E-03	6.02E-03	3.31E-04	5.12E-04	9.87E-04	4.96E-05	4.98E-04	8.49E-04	6.29E-05	2.83E-04	4.68E-04	1.55E-05
4535	742172.44	4110100.01	3.36E-03	6.13E-03	3.37E-04	5.22E-04	1.00E-03	5.05E-05	5.07E-04	8.65E-04	6.41E-05	2.88E-04	4.77E-04	1.58E-05
4536	742192.55	4110086.52	3.40E-03	6.20E-03	3.40E-04	5.28E-04	1.02E-03	5.11E-05	5.13E-04	8.74E-04	6.48E-05	2.91E-04	4.82E-04	1.60E-05
4537	742212.66	4110073.02	3.41E-03	6.22E-03	3.42E-04	5.30E-04	1.02E-03	5.13E-05	5.15E-04	8.78E-04	6.51E-05	2.93E-04	4.84E-04	1.60E-05
4538	742232.77	4110059.53	3.39E-03	6.18E-03	3.39E-04	5.26E-04	1.01E-03	5.09E-05	5.11E-04	8.71E-04	6.46E-05	2.90E-04	4.81E-04	1.59E-05
4539	741928.14	4110266.82	1.80E-03	3.27E-03	1.80E-04	2.79E-04	5.37E-04	2.70E-05	2.71E-04	4.62E-04	3.42E-05	1.54E-04	2.55E-04	8.44E-06
4540	741893.13	4110259.51	1.98E-03	3.61E-03	1.98E-04	3.07E-04	5.92E-04	2.98E-05	2.99E-04	5.10E-04	3.78E-05	1.70E-04	2.81E-04	9.32E-06

4541	742005.37	4110242.2	1.80E-03	3.27E-03	1.80E-04	2.79E-04	5.37E-04	2.70E-05	2.71E-04	4.62E-04	3.42E-05	1.54E-04	2.55E-04	8.44E-06
4542	742025.48	4110228.71	1.90E-03	3.46E-03	1.90E-04	2.94E-04	5.67E-04	2.85E-05	2.86E-04	4.88E-04	3.62E-05	1.63E-04	2.69E-04	8.92E-06
4543	742045.59	4110215.21	2.00E-03	3.65E-03	2.00E-04	3.11E-04	5.98E-04	3.01E-05	3.02E-04	5.15E-04	3.82E-05	1.72E-04	2.84E-04	9.41E-06
4544	742065.7	4110201.72	2.10E-03	3.83E-03	2.11E-04	3.26E-04	6.28E-04	3.16E-05	3.17E-04	5.41E-04	4.01E-05	1.80E-04	2.98E-04	9.89E-06
4545	742085.81	4110188.23	2.20E-03	4.01E-03	2.20E-04	3.41E-04	6.57E-04	3.30E-05	3.32E-04	5.65E-04	4.19E-05	1.88E-04	3.12E-04	1.03E-05
4546	742105.92	4110174.74	2.28E-03	4.16E-03	2.28E-04	3.54E-04	6.82E-04	3.42E-05	3.44E-04	5.87E-04	4.35E-05	1.95E-04	3.23E-04	1.07E-05
4547	742126.03	4110161.25	2.35E-03	4.28E-03	2.35E-04	3.64E-04	7.02E-04	3.53E-05	3.54E-04	6.04E-04	4.48E-05	2.01E-04	3.33E-04	1.10E-05
4548	742146.14	4110147.75	2.41E-03	4.39E-03	2.41E-04	3.74E-04	7.20E-04	3.62E-05	3.63E-04	6.19E-04	4.59E-05	2.06E-04	3.42E-04	1.13E-05
4549	742166.25	4110134.26	2.46E-03	4.48E-03	2.46E-04	3.82E-04	7.35E-04	3.69E-05	3.71E-04	6.33E-04	4.69E-05	2.11E-04	3.49E-04	1.16E-05
4550	742186.36	4110120.77	2.50E-03	4.56E-03	2.50E-04	3.88E-04	7.47E-04	3.75E-05	3.77E-04	6.43E-04	4.77E-05	2.14E-04	3.55E-04	1.18E-05
4551	742206.47	4110107.28	2.52E-03	4.60E-03	2.52E-04	3.91E-04	7.54E-04	3.79E-05	3.80E-04	6.49E-04	4.81E-05	2.16E-04	3.58E-04	1.19E-05
4552	742226.58	4110093.78	2.52E-03	4.59E-03	2.52E-04	3.91E-04	7.53E-04	3.78E-05	3.80E-04	6.48E-04	4.81E-05	2.16E-04	3.58E-04	1.19E-05
4553	741967.42	4110306.12	1.25E-03	2.27E-03	1.25E-04	1.94E-04	3.73E-04	1.87E-05	1.88E-04	3.21E-04	2.38E-05	1.07E-04	1.77E-04	5.86E-06
4554	741944.57	4110310.57	1.27E-03	2.32E-03	1.27E-04	1.97E-04	3.80E-04	1.91E-05	1.92E-04	3.27E-04	2.42E-05	1.09E-04	1.80E-04	5.98E-06
4555	741921.72	4110315.03	1.28E-03	2.33E-03	1.28E-04	1.99E-04	3.83E-04	1.92E-05	1.93E-04	3.29E-04	2.44E-05	1.10E-04	1.82E-04	6.02E-06
4556	741879.71	4110306.25	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.18E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.57E-06
4557	741860.56	4110293.02	1.53E-03	2.78E-03	1.53E-04	2.37E-04	4.56E-04	2.29E-05	2.30E-04	3.92E-04	2.91E-05	1.31E-04	2.16E-04	7.18E-06
4558	741841.4	4110279.79	1.66E-03	3.03E-03	1.66E-04	2.58E-04	4.96E-04	2.49E-05	2.51E-04	4.27E-04	3.17E-05	1.42E-04	2.36E-04	7.81E-06
4559	741822.25	4110266.56	1.81E-03	3.30E-03	1.81E-04	2.81E-04	5.40E-04	2.71E-05	2.73E-04	4.65E-04	3.45E-05	1.55E-04	2.56E-04	8.50E-06
4560	742013.12	4110297.21	1.17E-03	2.14E-03	1.17E-04	1.82E-04	3.51E-04	1.76E-05	1.77E-04	3.02E-04	2.24E-05	1.01E-04	1.66E-04	5.52E-06
4561	742033.23	4110283.72	1.21E-03	2.21E-03	1.21E-04	1.88E-04	3.62E-04	1.82E-05	1.83E-04	3.11E-04	2.31E-05	1.04E-04	1.72E-04	5.69E-06
4562	742053.34	4110270.23	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.75E-04	1.88E-05	1.89E-04	3.23E-04	2.39E-05	1.08E-04	1.78E-04	5.90E-06
4563	742073.45	4110256.74	1.30E-03	2.38E-03	1.30E-04	2.02E-04	3.89E-04	1.96E-05	1.97E-04	3.35E-04	2.48E-05	1.12E-04	1.85E-04	6.13E-06
4564	742093.56	4110243.24	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.03E-05	2.04E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.35E-06
4565	742113.67	4110229.75	1.40E-03	2.54E-03	1.40E-04	2.16E-04	4.17E-04	2.09E-05	2.10E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.56E-06
4566	742133.78	4110216.26	1.44E-03	2.62E-03	1.44E-04	2.23E-04	4.29E-04	2.15E-05	2.16E-04	3.69E-04	2.73E-05	1.23E-04	2.03E-04	6.74E-06
4567	742153.89	4110202.77	1.47E-03	2.67E-03	1.47E-04	2.28E-04	4.39E-04	2.20E-05	2.21E-04	3.77E-04	2.80E-05	1.26E-04	2.08E-04	6.90E-06
4568	742174	4110189.27	1.50E-03	2.72E-03	1.50E-04	2.32E-04	4.47E-04	2.24E-05	2.25E-04	3.84E-04	2.85E-05	1.28E-04	2.12E-04	7.03E-06
4569	742194.11	4110175.78	1.52E-03	2.77E-03	1.52E-04	2.36E-04	4.54E-04	2.28E-05	2.29E-04	3.91E-04	2.90E-05	1.30E-04	2.16E-04	7.14E-06
4570	742214.22	4110162.29	1.54E-03	2.81E-03	1.54E-04	2.39E-04	4.60E-04	2.31E-05	2.32E-04	3.96E-04	2.93E-05	1.32E-04	2.18E-04	7.24E-06
4571	742234.33	4110148.8	1.55E-03	2.82E-03	1.55E-04	2.40E-04	4.63E-04	2.33E-05	2.34E-04	3.98E-04	2.95E-05	1.33E-04	2.20E-04	7.28E-06
4572	742254.44	4110135.3	1.55E-03	2.82E-03	1.55E-04	2.40E-04	4.63E-04	2.32E-05	2.34E-04	3.98E-04	2.95E-05	1.33E-04	2.20E-04	7.28E-06
4573	742274.55	4110121.81	1.54E-03	2.81E-03	1.54E-04	2.39E-04	4.60E-04	2.31E-05	2.32E-04	3.96E-04	2.93E-05	1.32E-04	2.18E-04	7.24E-06
4574	741975.69	4110351.46	9.39E-04	1.71E-03	9.40E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.41E-04	1.79E-05	8.05E-05	1.33E-04	4.41E-06
4575	741932.17	4110359.94	9.70E-04	1.77E-03	9.70E-05	1.50E-04	2.90E-04	1.46E-05	1.46E-04	2.49E-04	1.85E-05	8.31E-05	1.38E-04	4.56E-06
4576	741870.4	4110355.82	1.04E-03	1.89E-03	1.04E-04	1.61E-04	3.10E-04	1.56E-05	1.56E-04	2.67E-04	1.98E-05	8.89E-05	1.47E-04	4.87E-06
4577	741833.91	4110330.62	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.53E-04	1.77E-05	1.78E-04	3.04E-04	2.25E-05	1.01E-04	1.68E-04	5.56E-06
4578	741797.43	4110305.42	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.02E-05	2.03E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.34E-06
4579	742061.09	4110325.24	8.74E-04	1.59E-03	8.74E-05	1.36E-04	2.61E-04	1.31E-05	1.32E-04	2.25E-04	1.67E-05	7.49E-05	1.24E-04	4.11E-06
4580	742081.2	4110311.75	8.94E-04	1.63E-03	8.95E-05	1.39E-04	2.67E-04	1.34E-05	1.35E-04	2.30E-04	1.70E-05	7.66E-05	1.27E-04	4.20E-06
4581	742101.31	4110298.26	9.18E-04	1.67E-03	9.19E-05	1.42E-04	2.74E-04	1.38E-05	1.38E-04	2.36E-04	1.75E-05	7.87E-05	1.30E-04	4.31E-06
4582	742121.42	4110284.76	9.42E-04	1.72E-03	9.43E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.42E-04	1.80E-05	8.07E-05	1.34E-04	4.43E-06
4583	742141.53	4110271.27	9.64E-04	1.76E-03	9.65E-05	1.50E-04	2.88E-04	1.45E-05	1.45E-04	2.48E-04	1.84E-05	8.26E-05	1.37E-04	4.53E-06
4584	742161.64	4110257.78	9.83E-04	1.79E-03	9.84E-05	1.52E-04	2.94E-04	1.48E-05	1.48E-04	2.53E-04	1.87E-05	8.42E-05	1.39E-04	4.62E-06
4585	742181.75	4110244.29	9.98E-04	1.82E-03	9.99E-05	1.55E-04	2.98E-04	1.50E-05	1.51E-04	2.57E-04	1.90E-05	8.56E-05	1.42E-04	4.69E-06
4586	742201.86	4110230.79	1.01E-03	1.84E-03	1.01E-04	1.57E-04	3.02E-04	1.52E-05	1.53E-04	2.60E-04	1.93E-05	8.67E-05	1.44E-04	4.76E-06
4587	742221.97	4110217.3	1.03E-03	1.87E-03	1.03E-04	1.59E-04	3.07E-04	1.54E-05	1.55E-04	2.64E-04	1.96E-05	8.80E-05	1.46E-04	4.82E-06
4588	742242.08	4110203.81	1.04E-03	1.89E-03	1.04E-04	1.61E-04	3.11E-04	1.56E-05	1.57E-04	2.67E-04	1.98E-05	8.91E-05	1.47E-04	4.89E-06
4589	742262.19	4110190.32	1.05E-03	1.91E-03	1.05E-04	1.63E-04	3.13E-04	1.57E-05	1.58E-04	2.70E-04	2.00E-05	8.99E-05	1.49E-04	4.93E-06
4590	742282.3	4110176.83	1.05E-03	1.92E-03	1.06E-04	1.64E-04	3.15E-04	1.58E-05	1.59E-04	2.71E-04	2.01E-05	9.04E-05	1.50E-04	4.96E-06
4591	742302.41	4110163.33	1.06E-03	1.92E-03	1.06E-04	1.64E-04	3.15E-04	1.58E-05	1.59E-04	2.71E-04	2.01E-05	9.04E-05	1.50E-04	4.96E-06
4592	742005.36	4110392.62	7.19E-04	1.31E-03	7.20E-05	1.12E-04	2.15E-04	1.08E-05	1.08E-04	1.85E-04	1.37E-05	6.16E-05	1.02E-04	3.38E-06
4593	741963.05	4110400.87	7.54E-04	1.37E-03	7.54E-05	1.17E-04	2.25E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.46E-05	1.07E-04	3.54E-06
4594	741920.73	4110409.12	7.69E-04	1.40E-03	7.70E-05	1.19E-04	2.30E-04	1.15E-05	1.16E-04	1.98E-04	1.47E-05	6.59E-05	1.09E-04	3.62E-06
4595	741860.68	4110405.11	8.10E-04	1.48E-03	8.11E-05	1.26E-04	2.42E-04	1.22E-05	1.22E-04	2.08E-04	1.54E-05	6.94E-05	1.15E-04	3.81E-06
4596	741825.21	4110380.61	9.00E-04	1.64E-03	9.01E-05	1.40E-04	2.69E-04	1.35E-05	1.36E-04	2.31E-04	1.72E-05	7.72E-05	1.28E-04	4.23E-06
4597	741789.73	4110356.11	9.96E-04	1.82E-03	9.97E-05	1.55E-04	2.98E-04	1.50E-05	1.50E-04	2.56E-04	1.90E-05	8.54E-05	1.41E-04	4.68E-06
4598	741754.26	4110331.61	1.12E-03	2.03E-03	1.12E-04	1.73E-04	3.33E-04	1.67E-05	1.68E-04	2.87E-04	2.13E-05	9.56E-05	1.58E-04	5.24E-06
4599	742088.95	4110366.76	6.58E-04	1.20E-03	6.59E-05	1.02E-04	1.97E-04	9.88E-06	9.93E-05	1.69E-04	1.25E-05	5.64E-05	9.33E-05	3.09E-06
4600	742109.06	4110353.27	6.66E-04	1.21E-03	6.67E-05	1.03E-04	1.99E-04	1.00E-05	1.00E-04	1.71E-04	1.27E-05	5.71E-05	9.45E-05	3.13E-06
4601	742129.17	4110339.78	6.78E-04	1.24E-03	6.78E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.81E-05	9.61E-05	3.19E-06
4602	742149.28	4110326.28	6.91E-04	1.26E-03	6.91E-05	1.07E-04	2.06E-04	1.04E-05	1.04E-04	1.78E-04	1.32E-05	5.92E-05	9.80E-05	3.25E-06
4603	742169.39	4110312.79	7.03E-04	1.28E-03	7.04E-05	1.09E-04	2.10E-04	1.06E-05	1.06E-04	1.81E-04	1.34E-05	6.03E-05	9.97E-05	3.31E-06
4604	742189.5	4110299.3	7.14E-04	1.30E-03	7.14E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.83E-04	1.36E-05	6.12E-05	1.01E-04	3.35E-06
4605	742209.61	4110285.81	7.22E-04	1.31E-03	7.22E-05	1.12E-04	2.16E-04	1.08E-05	1.09E-04	1.85E-04	1.37E-05	6.18E-05	1.02E-04	3.39E-06
4606	742229.72	4110272.32	7.29E-04	1.33E-03	7.29E-05	1.13E-04	2.18E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.24E-05	1.03E-04	3.42E-06
4607	742249.83	4110258.82	7.36E-04	1.34E-03	7.37E-05	1.14E-04	2.20E-04	1.11E-05	1.11E-04	1.89E-04	1.40E-05	6.31E-05	1.04E-04	3.46E-06
4608	742269.94	4110245.33	7.46E-04	1.36E-03	7.47E-05	1.16E-04	2.23E-04	1.12E-05	1.13E-04	1.92E-04	1.42E-05	6.39E-05	1.06E-04	3.51E-06
4609	742290.05	4110231.84	7.57E-04	1.38E-03	7.57E-05	1.17E-04	2.26E-04	1.14E-05	1.14E-04	1.95E-04	1.44E-05	6.49E-05	1.07E-04	3.56E-06
4610	742310.16	4110218.35	7.67E-04	1.40E-03	7.67E-05	1.19E-04	2.29E-04	1.15E-05	1.16E-04	1.97E-04	1.46E-05	6.57E-05	1.09E-04	3.60E-06
4611	742330.27	4110204.85	7.73E-04	1.41E-03	7.73E-05	1.20E-04	2.31E-04	1.16E-05	1.17E-04	1.99E-04	1.47E-05	6.62E-05	1.10E-04	3.63E-06

4612	742050.99	4110430.68	5.51E-04	1.00E-03	5.51E-05	8.54E-05	1.64E-04	8.26E-06	8.30E-05	1.42E-04	1.05E-05	4.72E-05	7.81E-05	2.59E-06
4613	742028.14	4110435.13	5.70E-04	1.04E-03	5.71E-05	8.84E-05	1.70E-04	8.56E-06	8.60E-05	1.47E-04	1.09E-05	4.89E-05	8.09E-05	2.68E-06
4614	742005.29	4110439.59	5.89E-04	1.07E-03	5.90E-05	9.14E-05	1.76E-04	8.85E-06	8.89E-05	1.52E-04	1.12E-05	5.05E-05	8.36E-05	2.77E-06
4615	741982.44	4110444.04	6.06E-04	1.10E-03	6.06E-05	9.39E-05	1.81E-04	9.09E-06	9.14E-05	1.56E-04	1.15E-05	5.19E-05	8.59E-05	2.85E-06
4616	741959.59	4110448.49	6.18E-04	1.13E-03	6.18E-05	9.58E-05	1.85E-04	9.27E-06	9.31E-05	1.59E-04	1.18E-05	5.29E-05	8.76E-05	2.90E-06
4617	741936.74	4110452.95	6.25E-04	1.14E-03	6.25E-05	9.69E-05	1.87E-04	9.38E-06	9.43E-05	1.61E-04	1.19E-05	5.36E-05	8.86E-05	2.94E-06
4618	741913.89	4110457.4	6.29E-04	1.15E-03	6.29E-05	9.75E-05	1.88E-04	9.43E-06	9.48E-05	1.62E-04	1.20E-05	5.39E-05	8.91E-05	2.95E-06
4619	741891.04	4110461.85	6.29E-04	1.15E-03	6.29E-05	9.75E-05	1.88E-04	9.43E-06	9.48E-05	1.62E-04	1.20E-05	5.39E-05	8.91E-05	2.95E-06
4620	741849.03	4110453.08	6.60E-04	1.20E-03	6.60E-05	1.02E-04	1.97E-04	9.90E-06	9.95E-05	1.70E-04	1.26E-05	5.65E-05	9.35E-05	3.10E-06
4621	741829.88	4110439.85	6.93E-04	1.26E-03	6.94E-05	1.07E-04	2.07E-04	1.04E-05	1.05E-04	1.78E-04	1.32E-05	5.94E-05	9.83E-05	3.26E-06
4622	741810.72	4110426.61	7.25E-04	1.32E-03	7.26E-05	1.12E-04	2.17E-04	1.09E-05	1.09E-04	1.86E-04	1.38E-05	6.21E-05	1.03E-04	3.41E-06
4623	741791.57	4110413.38	7.57E-04	1.38E-03	7.57E-05	1.17E-04	2.26E-04	1.14E-05	1.14E-04	1.95E-04	1.44E-05	6.49E-05	1.07E-04	3.56E-06
4624	741772.41	4110400.15	7.92E-04	1.44E-03	7.93E-05	1.23E-04	2.37E-04	1.19E-05	1.19E-04	2.04E-04	1.51E-05	6.79E-05	1.12E-04	3.72E-06
4625	741753.26	4110386.92	8.33E-04	1.52E-03	8.34E-05	1.29E-04	2.49E-04	1.25E-05	1.26E-04	2.14E-04	1.59E-05	7.14E-05	1.18E-04	3.92E-06
4626	741734.1	4110373.69	8.81E-04	1.60E-03	8.81E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.54E-05	1.25E-04	4.14E-06
4627	741714.94	4110360.46	9.32E-04	1.70E-03	9.32E-05	1.45E-04	2.78E-04	1.40E-05	1.41E-04	2.40E-04	1.78E-05	7.99E-05	1.32E-04	4.38E-06
4628	741695.79	4110347.23	9.85E-04	1.79E-03	9.85E-05	1.53E-04	2.94E-04	1.48E-05	1.48E-04	2.53E-04	1.88E-05	8.44E-05	1.40E-04	4.63E-06
4629	742096.69	4110421.77	5.10E-04	9.30E-04	5.11E-05	7.91E-05	1.52E-04	7.66E-06	7.69E-05	1.31E-04	9.72E-06	4.37E-05	7.23E-05	2.40E-06
4630	742116.8	4110408.28	5.11E-04	9.31E-04	5.11E-05	7.92E-05	1.53E-04	7.67E-06	7.70E-05	1.31E-04	9.74E-06	4.38E-05	7.24E-05	2.40E-06
4631	742136.91	4110394.79	5.13E-04	9.35E-04	5.13E-05	7.96E-05	1.53E-04	7.70E-06	7.74E-05	1.32E-04	9.78E-06	4.40E-05	7.27E-05	2.41E-06
4632	742157.02	4110381.3	5.18E-04	9.45E-04	5.19E-05	8.04E-05	1.55E-04	7.78E-06	7.82E-05	1.33E-04	9.88E-06	4.44E-05	7.35E-05	2.44E-06
4633	742177.13	4110367.81	5.26E-04	9.59E-04	5.26E-05	8.16E-05	1.57E-04	7.90E-06	7.93E-05	1.35E-04	1.00E-05	4.51E-05	7.46E-05	2.47E-06
4634	742197.24	4110354.31	5.34E-04	9.74E-04	5.35E-05	8.29E-05	1.60E-04	8.02E-06	8.06E-05	1.37E-04	1.02E-05	4.58E-05	7.58E-05	2.51E-06
4635	742217.35	4110340.82	5.41E-04	9.86E-04	5.42E-05	8.40E-05	1.62E-04	8.13E-06	8.16E-05	1.39E-04	1.03E-05	4.64E-05	7.68E-05	2.54E-06
4636	742237.46	4110327.33	5.47E-04	9.96E-04	5.47E-05	8.48E-05	1.63E-04	8.20E-06	8.24E-05	1.41E-04	1.04E-05	4.68E-05	7.75E-05	2.57E-06
4637	742257.57	4110313.84	5.50E-04	1.00E-03	5.51E-05	8.53E-05	1.64E-04	8.26E-06	8.30E-05	1.41E-04	1.05E-05	4.71E-05	7.80E-05	2.59E-06
4638	742277.68	4110300.34	5.55E-04	1.01E-03	5.55E-05	8.61E-05	1.66E-04	8.33E-06	8.37E-05	1.43E-04	1.06E-05	4.76E-05	7.87E-05	2.61E-06
4639	742297.79	4110286.85	5.62E-04	1.02E-03	5.63E-05	8.72E-05	1.68E-04	8.44E-06	8.48E-05	1.45E-04	1.07E-05	4.82E-05	7.97E-05	2.64E-06
4640	742317.9	4110273.36	5.72E-04	1.04E-03	5.72E-05	8.87E-05	1.71E-04	8.58E-06	8.62E-05	1.47E-04	1.09E-05	4.90E-05	8.11E-05	2.69E-06
4641	742338.01	4110259.87	5.82E-04	1.06E-03	5.82E-05	9.02E-05	1.74E-04	8.73E-06	8.77E-05	1.50E-04	1.11E-05	4.99E-05	8.25E-05	2.73E-06
4642	742358.12	4110246.37	5.90E-04	1.08E-03	5.91E-05	9.16E-05	1.76E-04	8.86E-06	8.90E-05	1.52E-04	1.13E-05	5.06E-05	8.37E-05	2.77E-06
4643	742105.54	4110513.95	3.61E-04	6.58E-04	3.61E-05	5.60E-05	1.08E-04	5.42E-06	5.45E-05	9.28E-05	6.88E-06	3.09E-05	5.12E-05	1.70E-06
4644	742082.1	4110518.52	3.74E-04	6.82E-04	3.75E-05	5.81E-05	1.12E-04	5.62E-06	5.65E-05	9.63E-05	7.14E-06	3.21E-05	5.31E-05	1.76E-06
4645	742058.66	4110523.09	3.89E-04	7.08E-04	3.89E-05	6.03E-05	1.16E-04	5.83E-06	5.86E-05	9.99E-05	7.41E-06	3.33E-05	5.51E-05	1.83E-06
4646	742035.23	4110527.65	4.04E-04	7.35E-04	4.04E-05	6.26E-05	1.21E-04	6.06E-06	6.08E-05	1.04E-04	7.69E-06	3.46E-05	5.72E-05	1.90E-06
4647	742011.79	4110532.22	4.18E-04	7.61E-04	4.18E-05	6.48E-05	1.25E-04	6.27E-06	6.30E-05	1.07E-04	7.96E-06	3.58E-05	5.92E-05	1.96E-06
4648	741988.35	4110536.79	4.30E-04	7.83E-04	4.30E-05	6.66E-05	1.28E-04	6.45E-06	6.48E-05	1.10E-04	8.19E-06	3.68E-05	6.09E-05	2.02E-06
4649	741964.92	4110541.36	4.38E-04	7.99E-04	4.39E-05	6.80E-05	1.31E-04	6.58E-06	6.61E-05	1.13E-04	8.36E-06	3.76E-05	6.22E-05	2.06E-06
4650	741941.48	4110545.92	4.44E-04	8.10E-04	4.45E-05	6.89E-05	1.33E-04	6.67E-06	6.70E-05	1.14E-04	8.47E-06	3.81E-05	6.30E-05	2.09E-06
4651	741918.04	4110550.49	4.48E-04	8.16E-04	4.48E-05	6.95E-05	1.34E-04	6.72E-06	6.75E-05	1.15E-04	8.54E-06	3.84E-05	6.35E-05	2.11E-06
4652	741894.61	4110555.06	4.49E-04	8.19E-04	4.50E-05	6.97E-05	1.34E-04	6.75E-06	6.78E-05	1.16E-04	8.57E-06	3.85E-05	6.37E-05	2.11E-06
4653	741871.17	4110559.63	4.49E-04	8.18E-04	4.49E-05	6.96E-05	1.34E-04	6.73E-06	6.77E-05	1.15E-04	8.55E-06	3.84E-05	6.36E-05	2.11E-06
4654	741828.09	4110550.62	4.65E-04	8.48E-04	4.65E-05	7.21E-05	1.39E-04	6.98E-06	7.02E-05	1.20E-04	8.87E-06	3.99E-05	6.60E-05	2.19E-06
4655	741808.44	4110537.05	4.84E-04	8.81E-04	4.84E-05	7.50E-05	1.44E-04	7.26E-06	7.29E-05	1.24E-04	9.22E-06	4.14E-05	6.86E-05	2.27E-06
4656	741788.79	4110523.48	5.01E-04	9.13E-04	5.01E-05	7.77E-05	1.50E-04	7.52E-06	7.55E-05	1.29E-04	9.55E-06	4.29E-05	7.10E-05	2.35E-06
4657	741769.15	4110509.91	5.17E-04	9.42E-04	5.17E-05	8.02E-05	1.54E-04	7.76E-06	7.80E-05	1.33E-04	9.85E-06	4.43E-05	7.33E-05	2.43E-06
4658	741749.5	4110496.34	5.33E-04	9.71E-04	5.33E-05	8.26E-05	1.59E-04	8.00E-06	8.04E-05	1.37E-04	1.02E-05	4.57E-05	7.56E-05	2.50E-06
4659	741729.85	4110482.77	5.51E-04	1.00E-03	5.51E-05	8.54E-05	1.65E-04	8.27E-06	8.31E-05	1.42E-04	1.05E-05	4.72E-05	7.81E-05	2.59E-06
4660	741710.21	4110469.2	5.73E-04	1.04E-03	5.73E-05	8.88E-05	1.71E-04	8.59E-06	8.64E-05	1.47E-04	1.09E-05	4.91E-05	8.12E-05	2.69E-06
4661	741690.56	4110455.63	5.99E-04	1.09E-03	5.99E-05	9.29E-05	1.79E-04	8.99E-06	9.03E-05	1.54E-04	1.14E-05	5.13E-05	8.49E-05	2.81E-06
4662	741670.91	4110442.06	6.29E-04	1.15E-03	6.29E-05	9.75E-05	1.88E-04	9.44E-06	9.48E-05	1.62E-04	1.20E-05	5.39E-05	8.92E-05	2.96E-06
4663	741651.27	4110428.49	6.62E-04	1.21E-03	6.63E-05	1.03E-04	1.98E-04	9.94E-06	9.99E-05	1.70E-04	1.26E-05	5.68E-05	9.39E-05	3.11E-06
4664	741631.62	4110414.92	6.98E-04	1.27E-03	6.99E-05	1.08E-04	2.09E-04	1.05E-05	1.05E-04	1.80E-04	1.33E-05	5.98E-05	9.90E-05	3.28E-06
4665	741611.98	4110401.35	7.33E-04	1.34E-03	7.34E-05	1.14E-04	2.19E-04	1.10E-05	1.11E-04	1.89E-04	1.40E-05	6.28E-05	1.04E-04	3.45E-06
4666	742152.41	4110504.82	3.34E-04	6.08E-04	3.34E-05	5.17E-05	9.97E-05	5.01E-06	5.03E-05	8.58E-05	6.36E-06	2.86E-05	4.73E-05	1.57E-06
4667	742172.52	4110491.32	3.30E-04	6.02E-04	3.31E-05	5.12E-05	9.87E-05	4.96E-06	4.98E-05	8.49E-05	6.30E-06	2.83E-05	4.68E-05	1.55E-06
4668	742192.63	4110477.83	3.28E-04	5.98E-04	3.28E-05	5.09E-05	9.80E-05	4.92E-06	4.95E-05	8.43E-05	6.25E-06	2.81E-05	4.65E-05	1.54E-06
4669	742212.74	4110464.34	3.28E-04	5.98E-04	3.29E-05	5.09E-05	9.81E-05	4.93E-06	4.95E-05	8.44E-05	6.26E-06	2.81E-05	4.66E-05	1.54E-06
4670	742232.85	4110450.85	3.32E-04	6.05E-04	3.32E-05	5.15E-05	9.91E-05	4.98E-06	5.00E-05	8.53E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
4671	742252.96	4110437.35	3.38E-04	6.15E-04	3.38E-05	5.24E-05	1.01E-04	5.07E-06	5.09E-05	8.68E-05	6.43E-06	2.89E-05	4.79E-05	1.59E-06
4672	742273.07	4110423.86	3.44E-04	6.26E-04	3.44E-05	5.33E-05	1.03E-04	5.16E-06	5.18E-05	8.83E-05	6.55E-06	2.94E-05	4.87E-05	1.61E-06
4673	742293.18	4110410.37	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.95E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
4674	742313.29	4110396.88	3.51E-04	6.40E-04	3.51E-05	5.44E-05	1.05E-04	5.27E-06	5.29E-05	9.02E-05	6.69E-06	3.01E-05	4.98E-05	1.65E-06
4675	742333.4	4110383.39	3.53E-04	6.44E-04	3.53E-05	5.48E-05	1.06E-04	5.30E-06	5.33E-05	9.08E-05	6.73E-06	3.03E-05	5.01E-05	1.66E-06
4676	742353.51	4110369.89	3.56E-04	6.49E-04	3.56E-05	5.52E-05	1.06E-04	5.35E-06	5.37E-05	9.16E-05	6.79E-06	3.05E-05	5.05E-05	1.67E-06
4677	742373.62	4110356.4	3.61E-04	6.58E-04	3.61E-05	5.60E-05	1.08E-04	5.42E-06	5.44E-05	9.28E-05	6.88E-06	3.09E-05	5.12E-05	1.70E-06
4678	742393.73	4110342.91	3.68E-04	6.70E-04	3.68E-05	5.70E-05	1.10E-04	5.52E-06	5.54E-05	9.45E-05	7.01E-06	3.15E-05	5.21E-05	1.73E-06
4679	742413.84	4110329.42	3.75E-04	6.84E-04	3.75E-05	5.82E-05	1.12E-04	5.63E-06	5.66E-05	9.64E-05	7.15E-06	3.21E-05	5.32E-05	1.76E-06
4680	742163.32	4110596.59	2.53E-04	4.60E-04	2.53E-05	3.92E-05	7.55E-05	3.79E-06	3.81E-05	6.49E-05	4.81E-06	2.16E-05	3.58E-05	1.19E-06
4681	742140.92	4110600.96	2.61E-04	4.76E-04	2.61E-05	4.05E-05	7.81E-05	3.92E-06	3.94E-05	6.72E-05	4.98E-06	2.24E-05	3.70E-05	1.23E-06
4682	742118.51	4110605.32	2.70E-04	4.92E-04	2.70E-05	4.19E-05	8.06E-05	4.05E-06	4.07E-05	6.94E-05	5.14E-06	2.31E-05	3.83E-05	1.27E-06

4683	742096.11	4110609.69	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.33E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
4684	742073.71	4110614.05	2.89E-04	5.26E-04	2.89E-05	4.48E-05	8.63E-05	4.34E-06	4.36E-05	7.42E-05	5.50E-06	2.47E-05	4.10E-05	1.36E-06
4685	742051.3	4110618.42	2.99E-04	5.45E-04	2.99E-05	4.64E-05	8.94E-05	4.49E-06	4.51E-05	7.69E-05	5.70E-06	2.56E-05	4.24E-05	1.41E-06
4686	742028.9	4110622.79	3.09E-04	5.64E-04	3.10E-05	4.80E-05	9.24E-05	4.64E-06	4.67E-05	7.95E-05	5.90E-06	2.65E-05	4.39E-05	1.45E-06
4687	742006.5	4110627.15	3.18E-04	5.80E-04	3.19E-05	4.94E-05	9.51E-05	4.78E-06	4.80E-05	8.18E-05	6.07E-06	2.73E-05	4.51E-05	1.50E-06
4688	741984.1	4110631.52	3.26E-04	5.94E-04	3.26E-05	5.05E-05	9.73E-05	4.89E-06	4.91E-05	8.37E-05	6.21E-06	2.79E-05	4.62E-05	1.53E-06
4689	741961.69	4110635.88	3.32E-04	6.04E-04	3.32E-05	5.14E-05	9.90E-05	4.98E-06	5.00E-05	8.52E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
4690	741939.29	4110640.25	3.36E-04	6.12E-04	3.36E-05	5.21E-05	1.00E-04	5.04E-06	5.07E-05	8.64E-05	6.40E-06	2.88E-05	4.76E-05	1.58E-06
4691	741916.89	4110644.62	3.39E-04	6.19E-04	3.40E-05	5.26E-05	1.01E-04	5.10E-06	5.12E-05	8.73E-05	6.47E-06	2.91E-05	4.81E-05	1.60E-06
4692	741894.49	4110648.98	3.42E-04	6.23E-04	3.42E-05	5.30E-05	1.02E-04	5.13E-06	5.15E-05	8.78E-05	6.51E-06	2.93E-05	4.85E-05	1.61E-06
4693	741872.08	4110653.35	3.42E-04	6.24E-04	3.43E-05	5.31E-05	1.02E-04	5.14E-06	5.16E-05	8.80E-05	6.52E-06	2.93E-05	4.85E-05	1.61E-06
4694	741849.68	4110657.71	3.41E-04	6.22E-04	3.42E-05	5.29E-05	1.02E-04	5.12E-06	5.15E-05	8.78E-05	6.51E-06	2.93E-05	4.84E-05	1.60E-06
4695	741808.5	4110649.11	3.50E-04	6.38E-04	3.50E-05	5.43E-05	1.05E-04	5.25E-06	5.28E-05	9.00E-05	6.67E-06	3.00E-05	4.96E-05	1.65E-06
4696	741789.72	4110636.14	3.61E-04	6.57E-04	3.61E-05	5.59E-05	1.08E-04	5.41E-06	5.44E-05	9.27E-05	6.87E-06	3.09E-05	5.11E-05	1.69E-06
4697	741770.94	4110623.16	3.70E-04	6.75E-04	3.71E-05	5.74E-05	1.11E-04	5.56E-06	5.58E-05	9.52E-05	7.06E-06	3.17E-05	5.25E-05	1.74E-06
4698	741752.16	4110610.19	3.79E-04	6.91E-04	3.80E-05	5.88E-05	1.13E-04	5.70E-06	5.72E-05	9.75E-05	7.23E-06	3.25E-05	5.38E-05	1.78E-06
4699	741733.38	4110597.22	3.88E-04	7.07E-04	3.88E-05	6.01E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
4700	741714.6	4110584.25	3.96E-04	7.22E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.55E-06	3.39E-05	5.62E-05	1.86E-06
4701	741695.82	4110571.28	4.05E-04	7.38E-04	4.05E-05	6.28E-05	1.21E-04	6.08E-06	6.11E-05	1.04E-04	7.72E-06	3.47E-05	5.74E-05	1.90E-06
4702	741677.04	4110558.31	4.16E-04	7.58E-04	4.16E-05	6.45E-05	1.24E-04	6.24E-06	6.27E-05	1.07E-04	7.92E-06	3.56E-05	5.89E-05	1.95E-06
4703	741658.26	4110545.34	4.29E-04	7.82E-04	4.29E-05	6.65E-05	1.28E-04	6.44E-06	6.47E-05	1.10E-04	8.18E-06	3.68E-05	6.08E-05	2.02E-06
4704	741639.48	4110532.36	4.45E-04	8.11E-04	4.45E-05	6.90E-05	1.33E-04	6.68E-06	6.71E-05	1.14E-04	8.48E-06	3.81E-05	6.31E-05	2.09E-06
4705	741620.7	4110519.39	4.63E-04	8.44E-04	4.64E-05	7.19E-05	1.38E-04	6.95E-06	6.99E-05	1.19E-04	8.83E-06	3.97E-05	6.57E-05	2.18E-06
4706	741601.92	4110506.42	4.84E-04	8.82E-04	4.85E-05	7.51E-05	1.45E-04	7.27E-06	7.30E-05	1.24E-04	9.23E-06	4.15E-05	6.87E-05	2.28E-06
4707	741583.14	4110493.45	5.07E-04	9.24E-04	5.08E-05	7.87E-05	1.52E-04	7.61E-06	7.65E-05	1.30E-04	9.67E-06	4.35E-05	7.19E-05	2.38E-06
4708	741564.36	4110480.48	5.32E-04	9.69E-04	5.32E-05	8.25E-05	1.59E-04	7.98E-06	8.02E-05	1.37E-04	1.01E-05	4.56E-05	7.54E-05	2.50E-06
4709	741545.58	4110467.51	5.56E-04	1.01E-03	5.56E-05	8.62E-05	1.66E-04	8.34E-06	8.38E-05	1.43E-04	1.06E-05	4.76E-05	7.88E-05	2.61E-06
4710	741526.8	4110454.54	5.77E-04	1.05E-03	5.77E-05	8.94E-05	1.72E-04	8.66E-06	8.70E-05	1.48E-04	1.10E-05	4.94E-05	8.18E-05	2.71E-06
4711	742208.12	4110587.86	2.33E-04	4.25E-04	2.33E-05	3.62E-05	6.97E-05	3.50E-06	3.52E-05	5.99E-05	4.44E-06	2.00E-05	3.31E-05	1.10E-06
4712	742228.23	4110574.36	2.29E-04	4.18E-04	2.30E-05	3.56E-05	6.85E-05	3.44E-06	3.46E-05	5.90E-05	4.37E-06	1.97E-05	3.25E-05	1.08E-06
4713	742248.34	4110560.87	2.27E-04	4.13E-04	2.27E-05	3.52E-05	6.77E-05	3.40E-06	3.42E-05	5.83E-05	4.32E-06	1.94E-05	3.22E-05	1.07E-06
4714	742268.45	4110547.38	2.27E-04	4.13E-04	2.27E-05	3.51E-05	6.77E-05	3.40E-06	3.42E-05	5.82E-05	4.32E-06	1.94E-05	3.21E-05	1.06E-06
4715	742288.56	4110533.89	2.29E-04	4.18E-04	2.29E-05	3.56E-05	6.85E-05	3.44E-06	3.46E-05	5.90E-05	4.37E-06	1.97E-05	3.25E-05	1.08E-06
4716	742308.67	4110520.4	2.34E-04	4.27E-04	2.34E-05	3.63E-05	7.00E-05	3.52E-06	3.53E-05	6.02E-05	4.46E-06	2.01E-05	3.32E-05	1.10E-06
4717	742328.78	4110506.9	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.61E-05	6.16E-05	4.56E-06	2.05E-05	3.40E-05	1.13E-06
4718	742348.89	4110493.41	2.44E-04	4.44E-04	2.44E-05	3.78E-05	7.28E-05	3.66E-06	3.67E-05	6.26E-05	4.64E-06	2.09E-05	3.45E-05	1.14E-06
4719	742369	4110479.92	2.46E-04	4.49E-04	2.46E-05	3.82E-05	7.35E-05	3.69E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
4720	742389.11	4110466.43	2.48E-04	4.52E-04	2.48E-05	3.84E-05	7.40E-05	3.72E-06	3.74E-05	6.37E-05	4.72E-06	2.12E-05	3.51E-05	1.16E-06
4721	742409.22	4110452.93	2.50E-04	4.55E-04	2.50E-05	3.87E-05	7.46E-05	3.75E-06	3.76E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
4722	742429.33	4110439.44	2.53E-04	4.61E-04	2.53E-05	3.92E-05	7.55E-05	3.79E-06	3.81E-05	6.50E-05	4.82E-06	2.17E-05	3.58E-05	1.19E-06
4723	742449.44	4110425.95	2.57E-04	4.69E-04	2.57E-05	3.99E-05	7.69E-05	3.86E-06	3.88E-05	6.62E-05	4.90E-06	2.21E-05	3.65E-05	1.21E-06
4724	742469.55	4110412.46	2.63E-04	4.79E-04	2.63E-05	4.08E-05	7.85E-05	3.94E-06	3.96E-05	6.76E-05	5.01E-06	2.25E-05	3.73E-05	1.23E-06
4725	742218.14	4110679.81	1.86E-04	3.39E-04	1.86E-05	2.89E-05	5.57E-05	2.80E-06	2.81E-05	4.79E-05	3.55E-06	1.60E-05	2.64E-05	8.76E-07
4726	742195.29	4110684.26	1.93E-04	3.52E-04	1.93E-05	2.99E-05	5.77E-05	2.90E-06	2.91E-05	4.96E-05	3.68E-06	1.65E-05	2.74E-05	9.08E-07
4727	742172.44	4110688.71	2.00E-04	3.64E-04	2.00E-05	3.10E-05	5.96E-05	3.00E-06	3.01E-05	5.13E-05	3.80E-06	1.71E-05	2.83E-05	9.38E-07
4728	742149.58	4110693.17	2.06E-04	3.76E-04	2.06E-05	3.20E-05	6.16E-05	3.09E-06	3.11E-05	5.30E-05	3.93E-06	1.77E-05	2.92E-05	9.69E-07
4729	742126.73	4110697.62	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.19E-06	3.21E-05	5.47E-05	4.06E-06	1.82E-05	3.02E-05	1.00E-06
4730	742103.88	4110702.07	2.20E-04	4.01E-04	2.20E-05	3.41E-05	6.57E-05	3.30E-06	3.32E-05	5.66E-05	4.19E-06	1.89E-05	3.12E-05	1.03E-06
4731	742081.03	4110706.53	2.28E-04	4.15E-04	2.28E-05	3.53E-05	6.80E-05	3.42E-06	3.43E-05	5.85E-05	4.34E-06	1.95E-05	3.23E-05	1.07E-06
4732	742058.18	4110710.98	2.36E-04	4.29E-04	2.36E-05	3.65E-05	7.04E-05	3.53E-06	3.55E-05	6.05E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
4733	742035.33	4110715.43	2.43E-04	4.43E-04	2.43E-05	3.77E-05	7.26E-05	3.64E-06	3.66E-05	6.24E-05	4.63E-06	2.08E-05	3.44E-05	1.14E-06
4734	742012.48	4110719.89	2.49E-04	4.54E-04	2.49E-05	3.87E-05	7.45E-05	3.74E-06	3.76E-05	6.41E-05	4.75E-06	2.14E-05	3.53E-05	1.17E-06
4735	741989.63	4110724.34	2.55E-04	4.64E-04	2.55E-05	3.95E-05	7.61E-05	3.82E-06	3.84E-05	6.55E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
4736	741966.78	4110728.79	2.59E-04	4.73E-04	2.59E-05	4.02E-05	7.75E-05	3.89E-06	3.91E-05	6.67E-05	4.94E-06	2.22E-05	3.68E-05	1.22E-06
4737	741943.93	4110733.24	2.63E-04	4.80E-04	2.64E-05	4.08E-05	7.87E-05	3.95E-06	3.97E-05	6.77E-05	5.02E-06	2.26E-05	3.73E-05	1.24E-06
4738	741921.08	4110737.7	2.67E-04	4.86E-04	2.67E-05	4.14E-05	7.98E-05	4.01E-06	4.03E-05	6.86E-05	5.09E-06	2.29E-05	3.79E-05	1.25E-06
4739	741898.23	4110742.15	2.70E-04	4.92E-04	2.70E-05	4.18E-05	8.06E-05	4.05E-06	4.07E-05	6.94E-05	5.14E-06	2.31E-05	3.83E-05	1.27E-06
4740	741875.38	4110746.6	2.72E-04	4.95E-04	2.72E-05	4.21E-05	8.12E-05	4.08E-06	4.10E-05	6.98E-05	5.18E-06	2.33E-05	3.85E-05	1.28E-06
4741	741852.53	4110751.06	2.72E-04	4.96E-04	2.72E-05	4.22E-05	8.13E-05	4.09E-06	4.10E-05	7.00E-05	5.19E-06	2.33E-05	3.86E-05	1.28E-06
4742	741829.68	4110755.51	2.71E-04	4.95E-04	2.72E-05	4.21E-05	8.11E-05	4.07E-06	4.09E-05	6.98E-05	5.17E-06	2.33E-05	3.85E-05	1.28E-06
4743	741787.67	4110746.73	2.77E-04	5.05E-04	2.77E-05	4.29E-05	8.27E-05	4.16E-06	4.18E-05	7.12E-05	5.28E-06	2.37E-05	3.93E-05	1.30E-06
4744	741768.51	4110733.5	2.84E-04	5.17E-04	2.84E-05	4.40E-05	8.48E-05	4.26E-06	4.28E-05	7.29E-05	5.41E-06	2.43E-05	4.02E-05	1.33E-06
4745	741749.36	4110720.27	2.90E-04	5.29E-04	2.90E-05	4.50E-05	8.67E-05	4.35E-06	4.38E-05	7.46E-05	5.53E-06	2.49E-05	4.11E-05	1.36E-06
4746	741730.2	4110707.04	2.96E-04	5.39E-04	2.96E-05	4.59E-05	8.84E-05	4.44E-06	4.46E-05	7.61E-05	5.64E-06	2.54E-05	4.20E-05	1.39E-06
4747	741711.05	4110693.81	3.01E-04	5.49E-04	3.01E-05	4.67E-05	9.00E-05	4.52E-06	4.54E-05	7.74E-05	5.74E-06	2.58E-05	4.27E-05	1.42E-06
4748	741691.89	4110680.58	3.06E-04	5.57E-04	3.06E-05	4.74E-05	9.14E-05	4.59E-06	4.61E-05	7.86E-05	5.83E-06	2.62E-05	4.34E-05	1.44E-06
4749	741672.74	4110667.35	3.11E-04	5.66E-04	3.11E-05	4.82E-05	9.28E-05	4.66E-06	4.69E-05	7.99E-05	5.92E-06	2.66E-05	4.41E-05	1.46E-06
4750	741653.58	4110654.12	3.16E-04	5.76E-04	3.16E-05	4.90E-05	9.45E-05	4.75E-06	4.77E-05	8.13E-05	6.03E-06	2.71E-05	4.48E-05	1.49E-06
4751	741634.43	4110640.89	3.23E-04	5.89E-04	3.23E-05	5.01E-05	9.65E-05	4.85E-06	4.87E-05	8.30E-05	6.15E-06	2.77E-05	4.58E-05	1.52E-06
4752	741615.27	4110627.66	3.32E-04	6.04E-04	3.32E-05	5.14E-05	9.91E-05	4.98E-06	5.00E-05	8.52E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
4753	741596.12	4110614.43	3.42E-04	6.23E-04	3.42E-05	5.31E-05	1.02E-04	5.13E-06	5.16E-05	8.79E-05	6.52E-06	2.93E-05	4.85E-05	1.61E-06

4754	741576.96	4110601.19	3.54E-04	6.46E-04	3.55E-05	5.50E-05	1.06E-04	5.32E-06	5.34E-05	9.11E-05	6.75E-06	3.04E-05	5.03E-05	1.67E-06
4755	741557.81	4110587.96	3.68E-04	6.71E-04	3.69E-05	5.71E-05	1.10E-04	5.53E-06	5.56E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
4756	741538.65	4110574.73	3.84E-04	7.00E-04	3.84E-05	5.96E-05	1.15E-04	5.77E-06	5.79E-05	9.87E-05	7.32E-06	3.29E-05	5.45E-05	1.81E-06
4757	741519.49	4110561.5	4.01E-04	7.31E-04	4.02E-05	6.22E-05	1.20E-04	6.02E-06	6.05E-05	1.03E-04	7.65E-06	3.44E-05	5.69E-05	1.89E-06
4758	741500.34	4110548.27	4.19E-04	7.64E-04	4.20E-05	6.50E-05	1.25E-04	6.29E-06	6.32E-05	1.08E-04	7.99E-06	3.59E-05	5.95E-05	1.97E-06
4759	741481.18	4110535.04	4.37E-04	7.97E-04	4.37E-05	6.78E-05	1.31E-04	6.56E-06	6.59E-05	1.12E-04	8.33E-06	3.75E-05	6.20E-05	2.05E-06
4760	741462.03	4110521.81	4.54E-04	8.27E-04	4.54E-05	7.03E-05	1.36E-04	6.81E-06	6.84E-05	1.17E-04	8.64E-06	3.89E-05	6.43E-05	2.13E-06
4761	741442.87	4110508.58	4.67E-04	8.52E-04	4.68E-05	7.25E-05	1.40E-04	7.01E-06	7.05E-05	1.20E-04	8.91E-06	4.00E-05	6.63E-05	2.20E-06
4762	742263.84	4110670.9	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.09E-07
4763	742283.95	4110657.41	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.06E-05	2.54E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.40E-05	7.97E-07
4764	742304.06	4110643.91	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.20E-06	1.44E-05	2.38E-05	7.89E-07
4765	742324.17	4110630.42	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.20E-06	1.44E-05	2.38E-05	7.88E-07
4766	742344.28	4110616.93	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.40E-05	7.97E-07
4767	742364.39	4110603.44	1.73E-04	3.16E-04	1.73E-05	2.69E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.46E-05	8.14E-07
4768	742384.5	4110589.94	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.30E-05	2.66E-06	2.67E-05	4.56E-05	3.38E-06	1.52E-05	2.51E-05	8.33E-07
4769	742404.61	4110576.45	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.50E-07
4770	742424.72	4110562.96	1.84E-04	3.35E-04	1.84E-05	2.85E-05	5.49E-05	2.76E-06	2.77E-05	4.72E-05	3.50E-06	1.57E-05	2.60E-05	8.63E-07
4771	742444.83	4110549.47	1.86E-04	3.38E-04	1.86E-05	2.88E-05	5.54E-05	2.78E-06	2.80E-05	4.77E-05	3.54E-06	1.59E-05	2.63E-05	8.72E-07
4772	742464.94	4110535.98	1.87E-04	3.42E-04	1.88E-05	2.91E-05	5.60E-05	2.81E-06	2.83E-05	4.82E-05	3.57E-06	1.61E-05	2.66E-05	8.81E-07
4773	742485.05	4110522.48	1.90E-04	3.46E-04	1.90E-05	2.95E-05	5.68E-05	2.85E-06	2.87E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.93E-07
4774	742505.16	4110508.99	1.93E-04	3.53E-04	1.94E-05	3.00E-05	5.78E-05	2.90E-06	2.92E-05	4.97E-05	3.69E-06	1.66E-05	2.74E-05	9.09E-07
4775	742525.27	4110495.5	1.98E-04	3.60E-04	1.98E-05	3.06E-05	5.90E-05	2.96E-06	2.98E-05	5.08E-05	3.76E-06	1.69E-05	2.80E-05	9.28E-07
4776	742273.19	4110762.98	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.73E-07
4777	742250.01	4110767.49	1.48E-04	2.70E-04	1.48E-05	2.30E-05	4.43E-05	2.23E-06	2.24E-05	3.81E-05	2.83E-06	1.27E-05	2.10E-05	6.97E-07
4778	742226.83	4110772.01	1.53E-04	2.79E-04	1.53E-05	2.38E-05	4.58E-05	2.30E-06	2.31E-05	3.94E-05	2.92E-06	1.31E-05	2.17E-05	7.21E-07
4779	742203.64	4110776.53	1.58E-04	2.89E-04	1.58E-05	2.46E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.25E-05	7.44E-07
4780	742180.46	4110781.05	1.63E-04	2.98E-04	1.64E-05	2.54E-05	4.88E-05	2.45E-06	2.47E-05	4.20E-05	3.11E-06	1.40E-05	2.32E-05	7.68E-07
4781	742157.28	4110785.57	1.69E-04	3.07E-04	1.69E-05	2.62E-05	5.04E-05	2.53E-06	2.54E-05	4.34E-05	3.21E-06	1.45E-05	2.39E-05	7.93E-07
4782	742134.1	4110790.08	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.63E-05	4.48E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
4783	742110.92	4110794.6	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.37E-05	2.70E-06	2.71E-05	4.62E-05	3.43E-06	1.54E-05	2.55E-05	8.45E-07
4784	742087.73	4110799.12	1.86E-04	3.39E-04	1.86E-05	2.88E-05	5.55E-05	2.79E-06	2.80E-05	4.78E-05	3.54E-06	1.59E-05	2.64E-05	8.73E-07
4785	742064.55	4110803.64	1.92E-04	3.49E-04	1.92E-05	2.97E-05	5.73E-05	2.88E-06	2.89E-05	4.93E-05	3.65E-06	1.64E-05	2.72E-05	9.01E-07
4786	742041.37	4110808.15	1.97E-04	3.59E-04	1.97E-05	3.05E-05	5.88E-05	2.96E-06	2.97E-05	5.06E-05	3.75E-06	1.69E-05	2.79E-05	9.25E-07
4787	742018.19	4110812.67	2.02E-04	3.67E-04	2.02E-05	3.13E-05	6.02E-05	3.03E-06	3.04E-05	5.18E-05	3.84E-06	1.73E-05	2.86E-05	9.47E-07
4788	741995.01	4110817.19	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.14E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.66E-07
4789	741971.83	4110821.71	2.09E-04	3.81E-04	2.09E-05	3.25E-05	6.25E-05	3.14E-06	3.16E-05	5.38E-05	3.99E-06	1.79E-05	2.97E-05	9.84E-07
4790	741948.64	4110826.23	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.19E-06	3.21E-05	5.47E-05	4.05E-06	1.82E-05	3.02E-05	1.00E-06
4791	741925.46	4110830.74	2.16E-04	3.94E-04	2.16E-05	3.35E-05	6.45E-05	3.24E-06	3.26E-05	5.55E-05	4.12E-06	1.85E-05	3.06E-05	1.02E-06
4792	741902.28	4110835.26	2.19E-04	3.99E-04	2.19E-05	3.39E-05	6.54E-05	3.29E-06	3.30E-05	5.63E-05	4.17E-06	1.88E-05	3.10E-05	1.03E-06
4793	741879.1	4110839.78	2.21E-04	4.03E-04	2.21E-05	3.43E-05	6.61E-05	3.32E-06	3.34E-05	5.69E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
4794	741855.92	4110844.3	2.23E-04	4.06E-04	2.23E-05	3.45E-05	6.65E-05	3.34E-06	3.36E-05	5.72E-05	4.24E-06	1.91E-05	3.16E-05	1.05E-06
4795	741832.73	4110848.81	2.23E-04	4.07E-04	2.23E-05	3.46E-05	6.67E-05	3.35E-06	3.36E-05	5.74E-05	4.25E-06	1.91E-05	3.16E-05	1.05E-06
4796	741809.55	4110853.33	2.23E-04	4.06E-04	2.23E-05	3.45E-05	6.65E-05	3.34E-06	3.36E-05	5.72E-05	4.24E-06	1.91E-05	3.16E-05	1.05E-06
4797	741766.94	4110844.43	2.26E-04	4.13E-04	2.27E-05	3.51E-05	6.77E-05	3.40E-06	3.42E-05	5.82E-05	4.32E-06	1.94E-05	3.21E-05	1.06E-06
4798	741747.5	4110831.01	2.31E-04	4.22E-04	2.31E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.95E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
4799	741728.07	4110817.58	2.36E-04	4.30E-04	2.36E-05	3.66E-05	7.04E-05	3.54E-06	3.55E-05	6.06E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
4800	741708.64	4110804.16	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.61E-05	6.16E-05	4.57E-06	2.05E-05	3.40E-05	1.13E-06
4801	741689.21	4110790.74	2.43E-04	4.43E-04	2.43E-05	3.77E-05	7.26E-05	3.65E-06	3.67E-05	6.25E-05	4.63E-06	2.08E-05	3.45E-05	1.14E-06
4802	741669.77	4110777.31	2.46E-04	4.49E-04	2.46E-05	3.82E-05	7.36E-05	3.70E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
4803	741650.34	4110763.89	2.49E-04	4.54E-04	2.49E-05	3.86E-05	7.44E-05	3.74E-06	3.76E-05	6.40E-05	4.75E-06	2.13E-05	3.53E-05	1.17E-06
4804	741630.91	4110750.47	2.52E-04	4.59E-04	2.52E-05	3.91E-05	7.53E-05	3.78E-06	3.80E-05	6.48E-05	4.80E-06	2.16E-05	3.57E-05	1.18E-06
4805	741611.47	4110737.05	2.56E-04	4.66E-04	2.56E-05	3.96E-05	7.64E-05	3.84E-06	3.85E-05	6.57E-05	4.87E-06	2.19E-05	3.62E-05	1.20E-06
4806	741592.04	4110723.62	2.60E-04	4.74E-04	2.60E-05	4.03E-05	7.77E-05	3.90E-06	3.92E-05	6.68E-05	4.96E-06	2.23E-05	3.69E-05	1.22E-06
4807	741572.61	4110710.2	2.66E-04	4.84E-04	2.66E-05	4.12E-05	7.94E-05	3.99E-06	4.01E-05	6.83E-05	5.07E-06	2.28E-05	3.77E-05	1.25E-06
4808	741553.18	4110696.78	2.73E-04	4.98E-04	2.73E-05	4.24E-05	8.16E-05	4.10E-06	4.12E-05	7.02E-05	5.21E-06	2.34E-05	3.87E-05	1.28E-06
4809	741533.74	4110683.36	2.82E-04	5.14E-04	2.82E-05	4.37E-05	8.42E-05	4.23E-06	4.25E-05	7.25E-05	5.37E-06	2.42E-05	4.00E-05	1.32E-06
4810	741514.31	4110669.93	2.92E-04	5.32E-04	2.92E-05	4.52E-05	8.72E-05	4.38E-06	4.40E-05	7.50E-05	5.56E-06	2.50E-05	4.14E-05	1.37E-06
4811	741494.88	4110656.51	3.03E-04	5.52E-04	3.03E-05	4.69E-05	9.04E-05	4.54E-06	4.57E-05	7.78E-05	5.77E-06	2.59E-05	4.29E-05	1.42E-06
4812	741475.44	4110643.09	3.15E-04	5.73E-04	3.15E-05	4.88E-05	9.40E-05	4.72E-06	4.75E-05	8.09E-05	6.00E-06	2.70E-05	4.46E-05	1.48E-06
4813	741456.01	4110629.67	3.28E-04	5.97E-04	3.28E-05	5.08E-05	9.79E-05	4.92E-06	4.94E-05	8.42E-05	6.24E-06	2.81E-05	4.65E-05	1.54E-06
4814	741436.58	4110616.24	3.41E-04	6.22E-04	3.41E-05	5.29E-05	1.02E-04	5.12E-06	5.14E-05	8.77E-05	6.50E-06	2.92E-05	4.84E-05	1.60E-06
4815	741417.14	4110602.82	3.55E-04	6.46E-04	3.55E-05	5.50E-05	1.06E-04	5.32E-06	5.35E-05	9.12E-05	6.76E-06	3.04E-05	5.03E-05	1.67E-06
4816	741397.71	4110589.4	3.68E-04	6.70E-04	3.68E-05	5.70E-05	1.10E-04	5.52E-06	5.54E-05	9.45E-05	7.00E-06	3.15E-05	5.21E-05	1.73E-06
4817	741378.28	4110575.98	3.79E-04	6.91E-04	3.79E-05	5.88E-05	1.13E-04	5.69E-06	5.72E-05	9.74E-05	7.22E-06	3.25E-05	5.37E-05	1.78E-06
4818	741358.85	4110562.55	3.89E-04	7.08E-04	3.89E-05	6.03E-05	1.16E-04	5.84E-06	5.86E-05	9.99E-05	7.41E-06	3.33E-05	5.51E-05	1.83E-06
4819	742319.55	4110753.94	1.34E-04	2.43E-04	1.34E-05	2.07E-05	3.99E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
4820	742339.66	4110740.45	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
4821	742359.77	4110726.96	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.90E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.14E-07
4822	742379.88	4110713.46	1.30E-04	2.38E-04	1.31E-05	2.02E-05	3.90E-05	1.96E-06	1.97E-05	3.35E-05	2.49E-06	1.12E-05	1.85E-05	6.13E-07
4823	742399.99	4110699.97	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.97E-06	1.98E-05	3.38E-05	2.51E-06	1.13E-05	1.86E-05	6.18E-07
4824	742420.1	4110686.48	1.34E-04	2.44E-04	1.34E-05	2.07E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07

4825	742440.21	4110672.99	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
4826	742460.32	4110659.49	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.60E-05	2.67E-06	1.20E-05	1.99E-05	6.58E-07
4827	742480.43	4110646	1.43E-04	2.60E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.67E-05	2.72E-06	1.22E-05	2.03E-05	6.72E-07
4828	742500.54	4110632.51	1.45E-04	2.65E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.74E-05	2.77E-06	1.25E-05	2.06E-05	6.83E-07
4829	742520.65	4110619.02	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.93E-07
4830	742540.76	4110605.52	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.48E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.04E-07
4831	742560.87	4110592.03	1.53E-04	2.78E-04	1.53E-05	2.37E-05	4.56E-05	2.29E-06	2.30E-05	3.92E-05	2.91E-06	1.31E-05	2.16E-05	7.17E-07
4832	742580.98	4110578.54	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.31E-07
4833	742383.7	4110929.24	9.44E-05	1.72E-04	9.44E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.43E-05	1.80E-06	8.09E-06	1.34E-05	4.43E-07
4834	742360.07	4110933.84	9.68E-05	1.76E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
4835	742336.43	4110938.45	9.94E-05	1.81E-04	9.95E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.56E-05	1.89E-06	8.52E-06	1.41E-05	4.67E-07
4836	742312.79	4110943.06	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
4837	742289.15	4110947.66	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.59E-05	2.70E-05	2.00E-06	9.01E-06	1.49E-05	4.94E-07
4838	742265.51	4110952.27	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.24E-05	1.63E-06	1.63E-05	2.79E-05	2.06E-06	9.28E-06	1.54E-05	5.09E-07
4839	742241.87	4110956.88	1.12E-04	2.04E-04	1.12E-05	1.73E-05	3.34E-05	1.68E-06	1.68E-05	2.87E-05	2.13E-06	9.57E-06	1.58E-05	5.25E-07
4840	742218.23	4110961.48	1.15E-04	2.10E-04	1.15E-05	1.79E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.87E-06	1.63E-05	5.41E-07
4841	742194.6	4110966.09	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
4842	742170.96	4110970.7	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
4843	742147.32	4110975.31	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.23E-05	2.40E-06	1.08E-05	1.78E-05	5.91E-07
4844	742123.68	4110979.91	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.08E-07
4845	742100.04	4110984.52	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.96E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.23E-07
4846	742076.4	4110989.13	1.36E-04	2.47E-04	1.36E-05	2.11E-05	4.06E-05	2.04E-06	2.05E-05	3.49E-05	2.59E-06	1.16E-05	1.93E-05	6.38E-07
4847	742052.76	4110993.73	1.39E-04	2.53E-04	1.39E-05	2.15E-05	4.14E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.97E-05	6.52E-07
4848	742029.13	4110998.34	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
4849	742005.49	4111002.95	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.30E-05	2.16E-06	2.17E-05	3.70E-05	2.74E-06	1.23E-05	2.04E-05	6.76E-07
4850	741981.85	4111007.55	1.46E-04	2.67E-04	1.46E-05	2.27E-05	4.37E-05	2.20E-06	2.21E-05	3.76E-05	2.79E-06	1.25E-05	2.08E-05	6.88E-07
4851	741958.21	4111012.16	1.49E-04	2.71E-04	1.49E-05	2.31E-05	4.45E-05	2.23E-06	2.24E-05	3.83E-05	2.84E-06	1.28E-05	2.11E-05	6.99E-07
4852	741934.57	4111016.77	1.51E-04	2.76E-04	1.51E-05	2.35E-05	4.52E-05	2.27E-06	2.28E-05	3.89E-05	2.88E-06	1.30E-05	2.14E-05	7.11E-07
4853	741910.93	4111021.37	1.54E-04	2.80E-04	1.54E-05	2.38E-05	4.59E-05	2.31E-06	2.32E-05	3.95E-05	2.93E-06	1.32E-05	2.18E-05	7.22E-07
4854	741887.29	4111025.98	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.32E-07
4855	741863.66	4111030.59	1.57E-04	2.87E-04	1.58E-05	2.44E-05	4.70E-05	2.36E-06	2.37E-05	4.05E-05	3.00E-06	1.35E-05	2.23E-05	7.40E-07
4856	741840.02	4111035.19	1.59E-04	2.89E-04	1.59E-05	2.46E-05	4.74E-05	2.38E-06	2.39E-05	4.08E-05	3.03E-06	1.36E-05	2.25E-05	7.46E-07
4857	741816.38	4111039.8	1.60E-04	2.91E-04	1.60E-05	2.47E-05	4.77E-05	2.39E-06	2.41E-05	4.10E-05	3.04E-06	1.37E-05	2.26E-05	7.50E-07
4858	741792.74	4111044.41	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.11E-05	3.05E-06	1.37E-05	2.27E-05	7.51E-07
4859	741769.1	4111049.02	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.77E-05	2.40E-06	2.41E-05	4.10E-05	3.04E-06	1.37E-05	2.26E-05	7.50E-07
4860	741725.65	4111039.94	1.62E-04	2.96E-04	1.62E-05	2.52E-05	4.85E-05	2.44E-06	2.45E-05	4.17E-05	3.09E-06	1.39E-05	2.30E-05	7.63E-07
4861	741705.83	4111026.25	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.94E-05	2.48E-06	2.49E-05	4.25E-05	3.15E-06	1.42E-05	2.34E-05	7.77E-07
4862	741686.01	4111012.56	1.68E-04	3.06E-04	1.68E-05	2.61E-05	5.02E-05	2.52E-06	2.53E-05	4.32E-05	3.20E-06	1.44E-05	2.38E-05	7.90E-07
4863	741666.2	4110998.87	1.70E-04	3.10E-04	1.70E-05	2.64E-05	5.09E-05	2.56E-06	2.57E-05	4.38E-05	3.24E-06	1.46E-05	2.41E-05	8.00E-07
4864	741646.38	4110985.19	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.09E-07
4865	741626.57	4110971.5	1.74E-04	3.16E-04	1.74E-05	2.69E-05	5.19E-05	2.61E-06	2.62E-05	4.46E-05	3.31E-06	1.49E-05	2.46E-05	8.16E-07
4866	741606.75	4110957.81	1.75E-04	3.19E-04	1.75E-05	2.71E-05	5.22E-05	2.62E-06	2.64E-05	4.50E-05	3.33E-06	1.50E-05	2.48E-05	8.22E-07
4867	741586.94	4110944.13	1.76E-04	3.20E-04	1.76E-05	2.73E-05	5.25E-05	2.64E-06	2.65E-05	4.52E-05	3.35E-06	1.51E-05	2.49E-05	8.26E-07
4868	741567.12	4110930.44	1.77E-04	3.22E-04	1.77E-05	2.74E-05	5.28E-05	2.65E-06	2.66E-05	4.54E-05	3.37E-06	1.51E-05	2.51E-05	8.30E-07
4869	741547.3	4110916.75	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.35E-07
4870	741527.49	4110903.06	1.79E-04	3.27E-04	1.79E-05	2.78E-05	5.36E-05	2.69E-06	2.70E-05	4.61E-05	3.42E-06	1.54E-05	2.54E-05	8.42E-07
4871	741507.67	4110889.38	1.81E-04	3.31E-04	1.82E-05	2.81E-05	5.42E-05	2.72E-06	2.74E-05	4.66E-05	3.46E-06	1.55E-05	2.57E-05	8.53E-07
4872	741487.86	4110875.69	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.51E-05	2.77E-06	2.78E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.68E-07
4873	741468.04	4110862	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
4874	741448.22	4110848.32	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.11E-07
4875	741428.41	4110834.63	2.00E-04	3.64E-04	2.00E-05	3.10E-05	5.96E-05	3.00E-06	3.01E-05	5.13E-05	3.80E-06	1.71E-05	2.83E-05	9.38E-07
4876	741408.59	4110820.94	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
4877	741388.78	4110807.25	2.12E-04	3.87E-04	2.12E-05	3.29E-05	6.34E-05	3.19E-06	3.20E-05	5.46E-05	4.05E-06	1.82E-05	3.01E-05	9.98E-07
4878	741368.96	4110793.57	2.19E-04	3.99E-04	2.19E-05	3.40E-05	6.54E-05	3.29E-06	3.30E-05	5.63E-05	4.17E-06	1.88E-05	3.11E-05	1.03E-06
4879	741349.14	4110779.88	2.26E-04	4.12E-04	2.26E-05	3.51E-05	6.75E-05	3.39E-06	3.41E-05	5.81E-05	4.31E-06	1.94E-05	3.21E-05	1.06E-06
4880	741329.33	4110766.19	2.34E-04	4.26E-04	2.34E-05	3.62E-05	6.98E-05	3.51E-06	3.52E-05	6.00E-05	4.45E-06	2.00E-05	3.31E-05	1.10E-06
4881	741309.51	4110752.51	2.41E-04	4.40E-04	2.42E-05	3.74E-05	7.21E-05	3.62E-06	3.64E-05	6.21E-05	4.60E-06	2.07E-05	3.42E-05	1.13E-06
4882	741289.7	4110738.82	2.50E-04	4.55E-04	2.50E-05	3.87E-05	7.46E-05	3.75E-06	3.76E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
4883	741269.88	4110725.13	2.58E-04	4.70E-04	2.58E-05	4.00E-05	7.71E-05	3.87E-06	3.89E-05	6.63E-05	4.92E-06	2.21E-05	3.66E-05	1.21E-06
4884	741250.07	4110711.44	2.66E-04	4.85E-04	2.66E-05	4.13E-05	7.96E-05	4.00E-06	4.02E-05	6.85E-05	5.08E-06	2.28E-05	3.78E-05	1.25E-06
4885	741230.25	4110697.76	2.74E-04	4.99E-04	2.74E-05	4.25E-05	8.18E-05	4.11E-06	4.13E-05	7.04E-05	5.22E-06	2.35E-05	3.88E-05	1.29E-06
4886	741210.43	4110684.07	2.80E-04	5.11E-04	2.80E-05	4.35E-05	8.37E-05	4.21E-06	4.23E-05	7.21E-05	5.34E-06	2.40E-05	3.97E-05	1.32E-06
4887	741190.62	4110670.38	2.85E-04	5.20E-04	2.85E-05	4.42E-05	8.52E-05	4.28E-06	4.30E-05	7.33E-05	5.43E-06	2.44E-05	4.04E-05	1.34E-06
4888	742430.98	4110920.02	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
4889	742451.09	4110906.53	8.81E-05	1.60E-04	8.81E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
4890	742471.2	4110893.04	8.70E-05	1.59E-04	8.71E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.46E-06	1.23E-05	4.09E-07
4891	742491.31	4110879.55	8.65E-05	1.58E-04	8.65E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.65E-06	7.41E-06	1.23E-05	4.06E-07
4892	742511.42	4110866.05	8.66E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.42E-06	1.23E-05	4.07E-07
4893	742531.53	4110852.56	8.76E-05	1.60E-04	8.77E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.25E-05	1.67E-06	7.51E-06	1.24E-05	4.12E-07
4894	742551.64	4110839.07	8.94E-05	1.63E-04	8.95E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.66E-06	1.27E-05	4.20E-07
4895	742571.75	4110825.58	9.18E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07

4896	742591.86	4110812.08	9.45E-05	1.72E-04	9.45E-06	1.47E-05	2.82E-05	1.42E-06	1.42E-05	2.43E-05	1.80E-06	8.10E-06	1.34E-05	4.44E-07
4897	742611.97	4110798.59	9.71E-05	1.77E-04	9.72E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.50E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
4898	742632.08	4110785.1	9.96E-05	1.81E-04	9.96E-06	1.54E-05	2.98E-05	1.49E-06	1.50E-05	2.56E-05	1.90E-06	8.53E-06	1.41E-05	4.68E-07
4899	742652.19	4110771.61	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
4900	742672.3	4110758.12	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4901	742692.41	4110744.62	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.17E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.08E-06	1.50E-05	4.98E-07
4902	742519.14	4111090.64	6.63E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.68E-06	9.41E-06	3.12E-07
4903	742495.86	4111095.18	6.80E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.64E-06	3.19E-07
4904	742472.59	4111099.71	6.95E-05	1.27E-04	6.95E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.95E-06	9.85E-06	3.27E-07
4905	742449.32	4111104.25	7.10E-05	1.29E-04	7.10E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.82E-05	1.35E-06	6.08E-06	1.01E-05	3.34E-07
4906	742426.04	4111108.78	7.25E-05	1.32E-04	7.25E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.40E-07
4907	742402.77	4111113.32	7.40E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.34E-06	1.05E-05	3.48E-07
4908	742379.49	4111117.86	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
4909	742356.22	4111122.39	7.77E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
4910	742332.95	4111126.93	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.39E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
4911	742309.67	4111131.46	8.21E-05	1.50E-04	8.21E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.03E-06	1.16E-05	3.86E-07
4912	742286.4	4111136	8.44E-05	1.54E-04	8.45E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.24E-06	1.20E-05	3.97E-07
4913	742263.13	4111140.54	8.68E-05	1.58E-04	8.69E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
4914	742239.85	4111145.07	8.92E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.19E-07
4915	742216.58	4111149.61	9.16E-05	1.67E-04	9.17E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.85E-06	1.30E-05	4.31E-07
4916	742193.3	4111154.14	9.40E-05	1.71E-04	9.40E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.05E-06	1.33E-05	4.42E-07
4917	742170.03	4111158.68	9.62E-05	1.75E-04	9.62E-06	1.49E-05	2.87E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.24E-06	1.36E-05	4.52E-07
4918	742146.76	4111163.21	9.82E-05	1.79E-04	9.83E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.42E-06	1.39E-05	4.62E-07
4919	742123.48	4111167.75	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.58E-06	1.42E-05	4.70E-07
4920	742100.21	4111172.29	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.53E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
4921	742076.93	4111176.82	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
4922	742053.66	4111181.36	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.58E-05	2.70E-05	2.00E-06	8.99E-06	1.49E-05	4.93E-07
4923	742030.39	4111185.89	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
4924	742007.11	4111190.43	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.28E-06	1.53E-05	5.09E-07
4925	741983.84	4111194.96	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.29E-05	1.65E-06	1.66E-05	2.83E-05	2.10E-06	9.43E-06	1.56E-05	5.17E-07
4926	741960.57	4111199.5	1.12E-04	2.04E-04	1.12E-05	1.74E-05	3.34E-05	1.68E-06	1.69E-05	2.88E-05	2.13E-06	9.59E-06	1.59E-05	5.26E-07
4927	741937.29	4111204.04	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.40E-05	1.71E-06	1.71E-05	2.92E-05	2.17E-06	9.74E-06	1.61E-05	5.34E-07
4928	741914.02	4111208.57	1.15E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.89E-06	1.64E-05	5.43E-07
4929	741890.74	4111213.11	1.17E-04	2.13E-04	1.17E-05	1.82E-05	3.50E-05	1.76E-06	1.77E-05	3.01E-05	2.23E-06	1.00E-05	1.66E-05	5.50E-07
4930	741867.47	4111217.64	1.18E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
4931	741844.2	4111222.18	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.57E-05	1.80E-06	1.80E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.62E-07
4932	741820.92	4111226.71	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.60E-05	1.81E-06	1.82E-05	3.10E-05	2.30E-06	1.03E-05	1.71E-05	5.67E-07
4933	741797.65	4111231.25	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.62E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
4934	741774.38	4111235.79	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.83E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.72E-07
4935	741751.1	4111240.32	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.73E-07
4936	741727.83	4111244.86	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.72E-07
4937	741685.04	4111235.92	1.24E-04	2.25E-04	1.24E-05	1.92E-05	3.70E-05	1.86E-06	1.87E-05	3.18E-05	2.36E-06	1.06E-05	1.75E-05	5.81E-07
4938	741665.53	4111222.44	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.23E-05	2.40E-06	1.08E-05	1.78E-05	5.91E-07
4939	741646.02	4111208.97	1.28E-04	2.33E-04	1.28E-05	1.98E-05	3.81E-05	1.92E-06	1.93E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	6.00E-07
4940	741626.51	4111195.49	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
4941	741607	4111182.01	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.15E-07
4942	741587.49	4111168.54	1.32E-04	2.40E-04	1.32E-05	2.05E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.20E-07
4943	741567.98	4111155.06	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.42E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
4944	741548.47	4111141.59	1.33E-04	2.43E-04	1.34E-05	2.07E-05	3.99E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
4945	741528.96	4111128.11	1.34E-04	2.44E-04	1.34E-05	2.07E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
4946	741509.45	4111114.64	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
4947	741489.94	4111101.16	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.30E-07
4948	741470.43	4111087.68	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.30E-07
4949	741450.92	4111074.21	1.34E-04	2.45E-04	1.35E-05	2.08E-05	4.02E-05	2.02E-06	2.03E-05	3.46E-05	2.56E-06	1.15E-05	1.91E-05	6.32E-07
4950	741431.41	4111060.73	1.35E-04	2.46E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.36E-07
4951	741411.9	4111047.26	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.94E-05	6.42E-07
4952	741392.39	4111033.78	1.39E-04	2.53E-04	1.39E-05	2.15E-05	4.15E-05	2.08E-06	2.09E-05	3.57E-05	2.65E-06	1.19E-05	1.97E-05	6.53E-07
4953	741372.88	4111020.3	1.42E-04	2.58E-04	1.42E-05	2.20E-05	4.23E-05	2.13E-06	2.14E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.66E-07
4954	741353.37	4111006.83	1.45E-04	2.65E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.73E-05	2.77E-06	1.24E-05	2.06E-05	6.83E-07
4955	741333.86	4110993.35	1.49E-04	2.72E-04	1.49E-05	2.31E-05	4.46E-05	2.24E-06	2.25E-05	3.84E-05	2.84E-06	1.28E-05	2.12E-05	7.01E-07
4956	741314.35	4110979.88	1.53E-04	2.80E-04	1.54E-05	2.38E-05	4.59E-05	2.30E-06	2.31E-05	3.95E-05	2.92E-06	1.32E-05	2.18E-05	7.21E-07
4957	741294.84	4110966.4	1.58E-04	2.87E-04	1.58E-05	2.45E-05	4.71E-05	2.37E-06	2.38E-05	4.05E-05	3.01E-06	1.35E-05	2.24E-05	7.41E-07
4958	741275.33	4110952.92	1.62E-04	2.95E-04	1.62E-05	2.51E-05	4.83E-05	2.43E-06	2.44E-05	4.16E-05	3.08E-06	1.39E-05	2.29E-05	7.61E-07
4959	741255.82	4110939.45	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
4960	741236.31	4110925.97	1.70E-04	3.10E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.37E-05	3.24E-06	1.46E-05	2.41E-05	7.98E-07
4961	741216.8	4110912.5	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.31E-06	1.49E-05	2.47E-05	8.18E-07
4962	741197.29	4110899.02	1.78E-04	3.25E-04	1.79E-05	2.77E-05	5.33E-05	2.68E-06	2.69E-05	4.59E-05	3.40E-06	1.53E-05	2.53E-05	8.39E-07
4963	741177.78	4110885.55	1.83E-04	3.34E-04	1.83E-05	2.84E-05	5.48E-05	2.75E-06	2.77E-05	4.71E-05	3.49E-06	1.57E-05	2.60E-05	8.62E-07
4964	741158.27	4110872.07	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
4965	741138.76	4110858.59	1.94E-04	3.54E-04	1.95E-05	3.02E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.71E-06	1.67E-05	2.76E-05	9.14E-07
4966	741119.25	4110845.12	2.00E-04	3.65E-04	2.00E-05	3.10E-05	5.98E-05	3.01E-06	3.02E-05	5.15E-05	3.82E-06	1.72E-05	2.84E-05	9.41E-07

4967	741099.74	4110831.64	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
4968	741080.23	4110818.17	2.11E-04	3.84E-04	2.11E-05	3.27E-05	6.30E-05	3.16E-06	3.18E-05	5.42E-05	4.02E-06	1.81E-05	2.99E-05	9.90E-07
4969	741060.72	4110804.69	2.15E-04	3.91E-04	2.15E-05	3.33E-05	6.42E-05	3.22E-06	3.24E-05	5.52E-05	4.09E-06	1.84E-05	3.05E-05	1.01E-06
4970	741041.21	4110791.21	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.51E-05	3.27E-06	3.29E-05	5.61E-05	4.15E-06	1.87E-05	3.09E-05	1.02E-06
4971	741021.7	4110777.74	2.20E-04	4.01E-04	2.20E-05	3.41E-05	6.58E-05	3.30E-06	3.32E-05	5.66E-05	4.19E-06	1.89E-05	3.12E-05	1.03E-06
4972	742542.41	4111086.11	6.47E-05	1.18E-04	6.48E-06	1.00E-05	1.93E-05	9.71E-07	9.76E-06	1.66E-05	1.23E-06	5.55E-06	9.18E-06	3.04E-07
4973	742562.52	4111072.61	6.39E-05	1.16E-04	6.39E-06	9.91E-06	1.91E-05	9.59E-07	9.64E-06	1.64E-05	1.22E-06	5.48E-06	9.06E-06	3.00E-07
4974	742582.63	4111059.12	6.32E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.20E-06	5.42E-06	8.97E-06	2.97E-07
4975	742602.74	4111045.63	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.43E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
4976	742622.85	4111032.14	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.44E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
4977	742642.96	4111018.64	6.34E-05	1.15E-04	6.34E-06	9.83E-06	1.89E-05	9.51E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.98E-06	2.98E-07
4978	742663.07	4111005.15	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.71E-06	1.65E-05	1.23E-06	5.52E-06	9.13E-06	3.03E-07
4979	742683.18	4110991.66	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
4980	742703.29	4110978.17	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
4981	742723.4	4110964.68	6.98E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.98E-06	9.90E-06	3.28E-07
4982	742743.51	4110951.18	7.21E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
4983	742763.62	4110937.69	7.43E-05	1.35E-04	7.43E-06	1.15E-05	2.22E-05	1.11E-06	1.12E-05	1.91E-05	1.42E-06	6.36E-06	1.05E-05	3.49E-07
4984	742783.73	4110924.2	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.15E-06	1.15E-05	1.96E-05	1.45E-06	6.54E-06	1.08E-05	3.59E-07
4985	742803.84	4110910.71	7.82E-05	1.42E-04	7.82E-06	1.21E-05	2.34E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.67E-07
4986	742630.26	4111256.78	5.10E-05	9.29E-05	5.10E-06	7.90E-06	1.52E-05	7.65E-07	7.68E-06	1.31E-05	9.71E-07	4.37E-06	7.23E-06	2.39E-07
4987	742606.69	4111261.38	5.20E-05	9.47E-05	5.20E-06	8.06E-06	1.55E-05	7.80E-07	7.84E-06	1.34E-05	9.90E-07	4.45E-06	7.37E-06	2.44E-07
4988	742583.11	4111265.97	5.29E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.95E-07	7.98E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
4989	742559.54	4111270.57	5.39E-05	9.82E-05	5.39E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
4990	742535.96	4111275.16	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.27E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
4991	742512.38	4111279.76	5.58E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.38E-07	8.42E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.62E-07
4992	742488.81	4111284.35	5.69E-05	1.04E-04	5.69E-06	8.82E-06	1.70E-05	8.54E-07	8.58E-06	1.46E-05	1.08E-06	4.88E-06	8.07E-06	2.67E-07
4993	742465.23	4111288.95	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.23E-06	2.73E-07
4994	742441.66	4111293.54	5.94E-05	1.08E-04	5.95E-06	9.22E-06	1.78E-05	8.92E-07	8.96E-06	1.53E-05	1.13E-06	5.09E-06	8.43E-06	2.79E-07
4995	742418.08	4111298.14	6.09E-05	1.11E-04	6.10E-06	9.45E-06	1.82E-05	9.14E-07	9.19E-06	1.57E-05	1.16E-06	5.22E-06	8.64E-06	2.86E-07
4996	742394.5	4111302.73	6.26E-05	1.14E-04	6.26E-06	9.70E-06	1.87E-05	9.39E-07	9.43E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
4997	742370.93	4111307.32	6.43E-05	1.17E-04	6.43E-06	9.97E-06	1.92E-05	9.65E-07	9.70E-06	1.65E-05	1.23E-06	5.51E-06	9.12E-06	3.02E-07
4998	742347.35	4111311.92	6.61E-05	1.20E-04	6.61E-06	1.03E-05	1.97E-05	9.92E-07	9.97E-06	1.70E-05	1.26E-06	5.66E-06	9.37E-06	3.11E-07
4999	742323.78	4111316.51	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
5000	742300.2	4111321.11	6.97E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.97E-06	9.88E-06	3.28E-07
5001	742276.62	4111325.7	7.15E-05	1.30E-04	7.15E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.13E-06	1.01E-05	3.36E-07
5002	742253.05	4111330.3	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
5003	742229.47	4111334.89	7.48E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.43E-06	6.41E-06	1.06E-05	3.51E-07
5004	742205.9	4111339.49	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.53E-06	1.08E-05	3.58E-07
5005	742182.32	4111344.08	7.76E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
5006	742158.74	4111348.68	7.87E-05	1.43E-04	7.88E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
5007	742135.17	4111353.27	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
5008	742111.59	4111357.87	8.07E-05	1.47E-04	8.07E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.07E-05	1.54E-06	6.91E-06	1.14E-05	3.79E-07
5009	742088.01	4111362.46	8.16E-05	1.49E-04	8.16E-06	1.27E-05	2.44E-05	1.22E-06	1.23E-05	2.10E-05	1.55E-06	6.99E-06	1.16E-05	3.83E-07
5010	742064.44	4111367.06	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
5011	742040.86	4111371.65	8.36E-05	1.52E-04	8.37E-06	1.30E-05	2.50E-05	1.26E-06	1.26E-05	2.15E-05	1.59E-06	7.17E-06	1.19E-05	3.93E-07
5012	742017.29	4111376.25	8.48E-05	1.55E-04	8.49E-06	1.32E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
5013	741993.71	4111380.84	8.62E-05	1.57E-04	8.62E-06	1.34E-05	2.58E-05	1.29E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.05E-07
5014	741970.13	4111385.43	8.76E-05	1.60E-04	8.77E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.25E-05	1.67E-06	7.51E-06	1.24E-05	4.12E-07
5015	741946.56	4111390.03	8.91E-05	1.62E-04	8.92E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.63E-06	1.26E-05	4.19E-07
5016	741922.98	4111394.62	9.05E-05	1.65E-04	9.06E-06	1.40E-05	2.70E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.76E-06	1.28E-05	4.25E-07
5017	741899.41	4111399.22	9.19E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
5018	741875.83	4111403.81	9.31E-05	1.70E-04	9.32E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.98E-06	1.32E-05	4.38E-07
5019	741852.25	4111408.41	9.42E-05	1.72E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.07E-06	1.34E-05	4.43E-07
5020	741828.68	4111413	9.51E-05	1.73E-04	9.51E-06	1.47E-05	2.84E-05	1.43E-06	1.43E-05	2.44E-05	1.81E-06	8.15E-06	1.35E-05	4.47E-07
5021	741805.1	4111417.6	9.58E-05	1.75E-04	9.59E-06	1.49E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.83E-06	8.21E-06	1.36E-05	4.50E-07
5022	741781.53	4111422.19	9.63E-05	1.76E-04	9.64E-06	1.49E-05	2.88E-05	1.45E-06	1.45E-05	2.48E-05	1.84E-06	8.26E-06	1.37E-05	4.53E-07
5023	741757.95	4111426.79	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
5024	741734.37	4111431.38	9.70E-05	1.77E-04	9.70E-06	1.50E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.31E-06	1.37E-05	4.56E-07
5025	741710.8	4111435.98	9.70E-05	1.77E-04	9.71E-06	1.50E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
5026	741687.22	4111440.57	9.70E-05	1.77E-04	9.71E-06	1.50E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.31E-06	1.38E-05	4.56E-07
5027	741643.88	4111431.51	9.84E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.88E-06	8.43E-06	1.40E-05	4.62E-07
5028	741624.12	4111417.86	9.99E-05	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.70E-07
5029	741604.36	4111404.21	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.76E-07
5030	741584.59	4111390.56	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.07E-05	1.54E-06	1.55E-05	2.64E-05	1.96E-06	8.80E-06	1.46E-05	4.83E-07
5031	741564.83	4111376.91	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
5032	741545.07	4111363.26	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.58E-05	2.70E-05	2.00E-06	8.99E-06	1.49E-05	4.93E-07
5033	741525.3	4111349.61	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.07E-06	1.50E-05	4.97E-07
5034	741505.54	4111335.96	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
5035	741485.77	4111322.31	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.61E-05	2.75E-05	2.04E-06	9.17E-06	1.52E-05	5.03E-07
5036	741466.01	4111308.66	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.04E-07
5037	741446.25	4111295.01	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.03E-07

5038	741426.48	4111281.35	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.19E-05	1.60E-06	1.61E-05	2.75E-05	2.04E-06	9.16E-06	1.52E-05	5.02E-07
5039	741406.72	4111267.7	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
5040	741386.96	4111254.05	1.06E-04	1.94E-04	1.06E-05	1.65E-05	3.17E-05	1.60E-06	1.60E-05	2.73E-05	2.03E-06	9.11E-06	1.51E-05	4.99E-07
5041	741367.19	4111240.4	1.06E-04	1.93E-04	1.06E-05	1.65E-05	3.17E-05	1.59E-06	1.60E-05	2.73E-05	2.02E-06	9.10E-06	1.51E-05	4.99E-07
5042	741347.43	4111226.75	1.06E-04	1.94E-04	1.06E-05	1.65E-05	3.18E-05	1.60E-06	1.60E-05	2.73E-05	2.03E-06	9.12E-06	1.51E-05	5.00E-07
5043	741327.67	4111213.1	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.61E-05	2.75E-05	2.04E-06	9.17E-06	1.52E-05	5.03E-07
5044	741307.9	4111199.45	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.24E-05	1.63E-06	1.63E-05	2.79E-05	2.07E-06	9.29E-06	1.54E-05	5.09E-07
5045	741288.14	4111185.8	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.66E-05	2.84E-05	2.10E-06	9.45E-06	1.56E-05	5.18E-07
5046	741268.38	4111172.15	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.67E-06	1.60E-05	5.30E-07
5047	741248.61	4111158.5	1.16E-04	2.11E-04	1.16E-05	1.80E-05	3.46E-05	1.74E-06	1.75E-05	2.98E-05	2.21E-06	9.92E-06	1.64E-05	5.44E-07
5048	741228.85	4111144.85	1.19E-04	2.17E-04	1.19E-05	1.85E-05	3.56E-05	1.79E-06	1.79E-05	3.06E-05	2.27E-06	1.02E-05	1.69E-05	5.59E-07
5049	741209.09	4111131.2	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.84E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.75E-07
5050	741189.32	4111117.54	1.25E-04	2.29E-04	1.25E-05	1.94E-05	3.75E-05	1.88E-06	1.89E-05	3.22E-05	2.39E-06	1.07E-05	1.78E-05	5.89E-07
5051	741169.56	4111103.89	1.28E-04	2.34E-04	1.28E-05	1.99E-05	3.83E-05	1.93E-06	1.93E-05	3.30E-05	2.44E-06	1.10E-05	1.82E-05	6.03E-07
5052	741149.8	4111090.24	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.86E-05	6.15E-07
5053	741130.03	4111076.59	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.98E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
5054	741110.27	4111062.94	1.36E-04	2.47E-04	1.36E-05	2.11E-05	4.06E-05	2.04E-06	2.05E-05	3.49E-05	2.59E-06	1.16E-05	1.93E-05	6.38E-07
5055	741090.51	4111049.29	1.38E-04	2.52E-04	1.38E-05	2.15E-05	4.13E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.50E-07
5056	741070.74	4111035.64	1.41E-04	2.58E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
5057	741050.98	4111021.99	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
5058	741031.22	4111008.34	1.48E-04	2.70E-04	1.48E-05	2.30E-05	4.43E-05	2.23E-06	2.24E-05	3.81E-05	2.83E-06	1.27E-05	2.10E-05	6.97E-07
5059	741011.45	4110994.69	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
5060	740991.69	4110981.04	1.57E-04	2.85E-04	1.57E-05	2.43E-05	4.68E-05	2.35E-06	2.36E-05	4.03E-05	2.98E-06	1.34E-05	2.22E-05	7.36E-07
5061	740971.92	4110967.38	1.61E-04	2.93E-04	1.61E-05	2.50E-05	4.81E-05	2.41E-06	2.43E-05	4.14E-05	3.07E-06	1.38E-05	2.28E-05	7.56E-07
5062	740952.16	4110953.73	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.75E-07
5063	740932.4	4110940.08	1.69E-04	3.07E-04	1.69E-05	2.61E-05	5.04E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.92E-07
5064	740912.63	4110926.43	1.72E-04	3.13E-04	1.72E-05	2.66E-05	5.13E-05	2.58E-06	2.59E-05	4.41E-05	3.27E-06	1.47E-05	2.43E-05	8.06E-07
5065	740892.87	4110912.78	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.31E-06	1.49E-05	2.47E-05	8.17E-07
5066	740873.11	4110899.13	1.75E-04	3.20E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.49E-05	8.24E-07
5067	740853.34	4110885.48	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.26E-05	2.64E-06	2.66E-05	4.53E-05	3.36E-06	1.51E-05	2.50E-05	8.27E-07
5068	742653.84	4111252.19	5.00E-05	9.11E-05	5.00E-06	7.75E-06	1.49E-05	7.50E-07	7.54E-06	1.29E-05	9.53E-07	4.28E-06	7.09E-06	2.35E-07
5069	742673.95	4111238.7	4.95E-05	9.03E-05	4.96E-06	7.68E-06	1.48E-05	7.44E-07	7.47E-06	1.27E-05	9.44E-07	4.25E-06	7.03E-06	2.33E-07
5070	742694.06	4111225.2	4.91E-05	8.96E-05	4.92E-06	7.62E-06	1.47E-05	7.38E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.97E-06	2.31E-07
5071	742714.17	4111211.71	4.89E-05	8.90E-05	4.89E-06	7.58E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
5072	742734.28	4111198.22	4.88E-05	8.88E-05	4.88E-06	7.56E-06	1.46E-05	7.32E-07	7.35E-06	1.25E-05	9.29E-07	4.18E-06	6.91E-06	2.29E-07
5073	742754.39	4111184.73	4.89E-05	8.91E-05	4.89E-06	7.58E-06	1.46E-05	7.34E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
5074	742774.5	4111171.23	4.93E-05	8.99E-05	4.93E-06	7.65E-06	1.47E-05	7.40E-07	7.44E-06	1.27E-05	9.40E-07	4.23E-06	6.99E-06	2.32E-07
5075	742794.61	4111157.74	5.01E-05	9.13E-05	5.01E-06	7.77E-06	1.50E-05	7.52E-07	7.55E-06	1.29E-05	9.55E-07	4.29E-06	7.10E-06	2.35E-07
5076	742814.72	4111144.25	5.13E-05	9.34E-05	5.13E-06	7.95E-06	1.53E-05	7.69E-07	7.73E-06	1.32E-05	9.77E-07	4.39E-06	7.27E-06	2.41E-07
5077	742834.83	4111130.76	5.28E-05	9.61E-05	5.28E-06	8.18E-06	1.58E-05	7.92E-07	7.96E-06	1.36E-05	1.01E-06	4.52E-06	7.48E-06	2.48E-07
5078	742854.94	4111117.27	5.45E-05	9.93E-05	5.45E-06	8.45E-06	1.63E-05	8.18E-07	8.22E-06	1.40E-05	1.04E-06	4.67E-06	7.73E-06	2.56E-07
5079	742875.05	4111103.77	5.64E-05	1.03E-04	5.65E-06	8.75E-06	1.69E-05	8.47E-07	8.51E-06	1.45E-05	1.08E-06	4.84E-06	8.00E-06	2.65E-07
5080	742895.16	4111090.28	5.84E-05	1.06E-04	5.84E-06	9.05E-06	1.74E-05	8.76E-07	8.80E-06	1.50E-05	1.11E-06	5.00E-06	8.28E-06	2.74E-07
5081	742915.27	4111076.79	6.03E-05	1.10E-04	6.03E-06	9.34E-06	1.80E-05	9.04E-07	9.09E-06	1.55E-05	1.15E-06	5.16E-06	8.54E-06	2.83E-07
5082	742741.95	4111422.82	4.12E-05	7.50E-05	4.12E-06	6.39E-06	1.23E-05	6.18E-07	6.21E-06	1.06E-05	7.85E-07	3.53E-06	5.84E-06	1.94E-07
5083	742718.64	4111427.36	4.18E-05	7.61E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.96E-07	3.58E-06	5.92E-06	1.96E-07
5084	742695.32	4111431.9	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.63E-06	6.00E-06	1.99E-07
5085	742672	4111436.45	4.29E-05	7.81E-05	4.29E-06	6.65E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.17E-07	3.67E-06	6.08E-06	2.01E-07
5086	742648.68	4111440.99	4.34E-05	7.91E-05	4.34E-06	6.73E-06	1.30E-05	6.51E-07	6.54E-06	1.12E-05	8.27E-07	3.72E-06	6.15E-06	2.04E-07
5087	742625.37	4111445.54	4.40E-05	8.01E-05	4.40E-06	6.82E-06	1.31E-05	6.60E-07	6.63E-06	1.13E-05	8.38E-07	3.77E-06	6.23E-06	2.07E-07
5088	742602.05	4111450.08	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
5089	742578.73	4111454.63	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
5090	742555.42	4111459.17	4.60E-05	8.39E-05	4.61E-06	7.14E-06	1.38E-05	6.91E-07	6.94E-06	1.18E-05	8.77E-07	3.95E-06	6.53E-06	2.16E-07
5091	742532.1	4111463.71	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.02E-06	6.66E-06	2.21E-07
5092	742508.78	4111468.26	4.80E-05	8.75E-05	4.80E-06	7.45E-06	1.43E-05	7.21E-07	7.24E-06	1.23E-05	9.15E-07	4.11E-06	6.81E-06	2.26E-07
5093	742485.47	4111472.8	4.92E-05	8.97E-05	4.92E-06	7.63E-06	1.47E-05	7.38E-07	7.42E-06	1.26E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
5094	742462.15	4111477.35	5.05E-05	9.20E-05	5.05E-06	7.83E-06	1.51E-05	7.58E-07	7.61E-06	1.30E-05	9.62E-07	4.33E-06	7.16E-06	2.37E-07
5095	742438.83	4111481.89	5.19E-05	9.45E-05	5.19E-06	8.04E-06	1.55E-05	7.79E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.36E-06	2.44E-07
5096	742415.51	4111486.43	5.33E-05	9.71E-05	5.33E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.50E-07
5097	742392.2	4111490.98	5.47E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
5098	742368.88	4111495.52	5.62E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.81E-06	7.97E-06	2.64E-07
5099	742345.56	4111500.07	5.76E-05	1.05E-04	5.76E-06	8.93E-06	1.72E-05	8.64E-07	8.68E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.71E-07
5100	742322.25	4111504.61	5.89E-05	1.07E-04	5.90E-06	9.14E-06	1.76E-05	8.84E-07	8.89E-06	1.51E-05	1.12E-06	5.05E-06	8.35E-06	2.77E-07
5101	742298.93	4111509.16	6.02E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.08E-06	1.55E-05	1.15E-06	5.16E-06	8.53E-06	2.83E-07
5102	742275.61	4111513.7	6.13E-05	1.12E-04	6.14E-06	9.51E-06	1.83E-05	9.21E-07	9.25E-06	1.58E-05	1.17E-06	5.26E-06	8.70E-06	2.88E-07
5103	742252.3	4111518.24	6.24E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
5104	742228.98	4111522.79	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
5105	742205.66	4111527.33	6.41E-05	1.17E-04	6.41E-06	9.94E-06	1.91E-05	9.62E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5106	742182.34	4111531.88	6.47E-05	1.18E-04	6.48E-06	1.00E-05	1.93E-05	9.71E-07	9.76E-06	1.66E-05	1.23E-06	5.55E-06	9.18E-06	3.04E-07
5107	742159.03	4111536.42	6.52E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.79E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.25E-06	3.07E-07
5108	742135.71	4111540.96	6.57E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.91E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07

5109	742112.39	4111545.51	6.63E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.68E-06	9.40E-06	3.11E-07
5110	742089.08	4111550.05	6.68E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
5111	742065.76	4111554.6	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
5112	742042.44	4111559.14	6.83E-05	1.24E-04	6.84E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.85E-06	9.69E-06	3.21E-07
5113	742019.13	4111563.69	6.92E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.93E-06	9.82E-06	3.25E-07
5114	741995.81	4111568.23	7.03E-05	1.28E-04	7.03E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.81E-05	1.34E-06	6.02E-06	9.96E-06	3.30E-07
5115	741972.49	4111572.77	7.14E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.83E-05	1.36E-06	6.12E-06	1.01E-05	3.35E-07
5116	741949.18	4111577.32	7.25E-05	1.32E-04	7.26E-06	1.12E-05	2.17E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
5117	741925.86	4111581.86	7.37E-05	1.34E-04	7.37E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.89E-05	1.40E-06	6.31E-06	1.04E-05	3.46E-07
5118	741902.54	4111586.41	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
5119	741879.22	4111590.95	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
5120	741855.91	4111595.49	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
5121	741832.59	4111600.04	7.74E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.63E-06	1.10E-05	3.64E-07
5122	741809.27	4111604.58	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
5123	741785.96	4111609.13	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
5124	741762.64	4111613.67	7.91E-05	1.44E-04	7.91E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.77E-06	1.12E-05	3.72E-07
5125	741739.32	4111618.22	7.94E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
5126	741716.01	4111622.76	7.96E-05	1.45E-04	7.97E-06	1.23E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
5127	741692.69	4111627.3	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
5128	741669.37	4111631.85	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
5129	741646.05	4111636.39	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
5130	741603.19	4111627.44	8.08E-05	1.47E-04	8.09E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
5131	741583.65	4111613.94	8.19E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
5132	741564.1	4111600.43	8.30E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.25E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
5133	741544.55	4111586.93	8.40E-05	1.53E-04	8.40E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.19E-06	1.19E-05	3.95E-07
5134	741525.01	4111573.43	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
5135	741505.46	4111559.93	8.58E-05	1.56E-04	8.59E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.03E-07
5136	741485.91	4111546.43	8.67E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.07E-07
5137	741466.37	4111532.93	8.74E-05	1.59E-04	8.74E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
5138	741446.82	4111519.43	8.80E-05	1.60E-04	8.81E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
5139	741427.27	4111505.93	8.85E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.69E-06	7.58E-06	1.25E-05	4.16E-07
5140	741407.73	4111492.43	8.87E-05	1.62E-04	8.88E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
5141	741388.18	4111478.93	8.88E-05	1.62E-04	8.89E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.61E-06	1.26E-05	4.17E-07
5142	741368.64	4111465.43	8.87E-05	1.62E-04	8.87E-06	1.37E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
5143	741349.09	4111451.92	8.83E-05	1.61E-04	8.84E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
5144	741329.54	4111438.42	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
5145	741310	4111424.92	8.74E-05	1.59E-04	8.74E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
5146	741290.45	4111411.42	8.70E-05	1.58E-04	8.70E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.45E-06	1.23E-05	4.09E-07
5147	741270.9	4111397.92	8.68E-05	1.58E-04	8.68E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
5148	741251.36	4111384.42	8.69E-05	1.58E-04	8.70E-06	1.35E-05	2.60E-05	1.30E-06	1.31E-05	2.23E-05	1.66E-06	7.45E-06	1.23E-05	4.08E-07
5149	741231.81	4111370.92	8.75E-05	1.59E-04	8.75E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
5150	741212.27	4111357.42	8.85E-05	1.61E-04	8.86E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.69E-06	7.58E-06	1.25E-05	4.16E-07
5151	741192.72	4111343.92	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.71E-06	1.28E-05	4.23E-07
5152	741173.17	4111330.42	9.20E-05	1.68E-04	9.20E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.88E-06	1.30E-05	4.32E-07
5153	741153.63	4111316.92	9.43E-05	1.72E-04	9.44E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.42E-05	1.80E-06	8.08E-06	1.34E-05	4.43E-07
5154	741134.08	4111303.42	9.69E-05	1.76E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
5155	741114.53	4111289.91	9.95E-05	1.81E-04	9.95E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.56E-05	1.90E-06	8.52E-06	1.41E-05	4.67E-07
5156	741094.99	4111276.41	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.74E-06	1.45E-05	4.79E-07
5157	741075.44	4111262.91	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.56E-06	1.57E-05	2.68E-05	1.99E-06	8.93E-06	1.48E-05	4.90E-07
5158	741055.9	4111249.41	1.06E-04	1.94E-04	1.06E-05	1.65E-05	3.18E-05	1.60E-06	1.60E-05	2.73E-05	2.03E-06	9.11E-06	1.51E-05	5.00E-07
5159	741036.35	4111235.91	1.08E-04	1.97E-04	1.08E-05	1.67E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.25E-06	1.53E-05	5.07E-07
5160	741016.8	4111222.41	1.10E-04	2.00E-04	1.10E-05	1.70E-05	3.27E-05	1.64E-06	1.65E-05	2.82E-05	2.09E-06	9.39E-06	1.55E-05	5.15E-07
5161	740997.26	4111208.91	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.67E-05	2.85E-05	2.12E-06	9.51E-06	1.57E-05	5.22E-07
5162	740977.71	4111195.41	1.13E-04	2.05E-04	1.13E-05	1.74E-05	3.36E-05	1.69E-06	1.70E-05	2.89E-05	2.14E-06	9.64E-06	1.60E-05	5.29E-07
5163	740958.16	4111181.91	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.94E-05	2.18E-06	9.79E-06	1.62E-05	5.37E-07
5164	740938.62	4111168.41	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.99E-05	2.21E-06	9.96E-06	1.65E-05	5.46E-07
5165	740919.07	4111154.91	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
5166	740899.53	4111141.4	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.62E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
5167	740879.98	4111127.9	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
5168	740860.43	4111114.4	1.28E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	5.99E-07
5169	740840.89	4111100.9	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.15E-07
5170	740821.34	4111087.4	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
5171	740801.79	4111073.9	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
5172	740782.25	4111060.4	1.39E-04	2.54E-04	1.39E-05	2.16E-05	4.16E-05	2.09E-06	2.10E-05	3.58E-05	2.65E-06	1.19E-05	1.97E-05	6.54E-07
5173	740762.7	4111046.9	1.41E-04	2.58E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
5174	740743.15	4111033.4	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.72E-07
5175	740723.61	4111019.9	1.44E-04	2.63E-04	1.44E-05	2.24E-05	4.31E-05	2.16E-06	2.17E-05	3.71E-05	2.75E-06	1.24E-05	2.04E-05	6.77E-07
5176	740704.06	4111006.4	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
5177	740684.52	4110992.9	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
5178	742765.27	4111418.27	4.06E-05	7.39E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.73E-07	3.48E-06	5.75E-06	1.91E-07
5179	742785.38	4111404.78	4.03E-05	7.34E-05	4.03E-06	6.25E-06	1.20E-05	6.05E-07	6.08E-06	1.04E-05	7.68E-07	3.45E-06	5.71E-06	1.89E-07

5180	742805.49	4111391.29	4.00E-05	7.29E-05	4.00E-06	6.20E-06	1.19E-05	6.00E-07	6.03E-06	1.03E-05	7.62E-07	3.43E-06	5.67E-06	1.88E-07
5181	742825.6	4111377.79	3.97E-05	7.23E-05	3.97E-06	6.16E-06	1.19E-05	5.96E-07	5.99E-06	1.02E-05	7.57E-07	3.40E-06	5.63E-06	1.87E-07
5182	742845.71	4111364.3	3.95E-05	7.20E-05	3.95E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.38E-06	5.60E-06	1.86E-07
5183	742865.82	4111350.81	3.94E-05	7.18E-05	3.94E-06	6.11E-06	1.18E-05	5.91E-07	5.94E-06	1.01E-05	7.51E-07	3.38E-06	5.59E-06	1.85E-07
5184	742885.93	4111337.32	3.95E-05	7.20E-05	3.95E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.38E-06	5.60E-06	1.86E-07
5185	742906.04	4111323.83	3.98E-05	7.26E-05	3.99E-06	6.18E-06	1.19E-05	5.98E-07	6.01E-06	1.02E-05	7.59E-07	3.41E-06	5.65E-06	1.87E-07
5186	742926.15	4111310.33	4.05E-05	7.38E-05	4.05E-06	6.28E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.74E-06	1.90E-07
5187	742946.26	4111296.84	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
5188	742966.37	4111283.35	4.27E-05	7.79E-05	4.28E-06	6.63E-06	1.28E-05	6.41E-07	6.45E-06	1.10E-05	8.14E-07	3.66E-06	6.06E-06	2.01E-07
5189	742986.48	4111269.86	4.42E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
5190	743006.59	4111256.36	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
5191	743026.7	4111242.87	4.76E-05	8.68E-05	4.77E-06	7.39E-06	1.42E-05	7.15E-07	7.18E-06	1.22E-05	9.08E-07	4.08E-06	6.75E-06	2.24E-07
5192	742964.4	4111755.06	2.96E-05	5.40E-05	2.97E-06	4.60E-06	8.85E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
5193	742940.68	4111759.68	2.99E-05	5.46E-05	3.00E-06	4.64E-06	8.95E-06	4.49E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
5194	742916.95	4111764.31	3.02E-05	5.50E-05	3.02E-06	4.68E-06	9.02E-06	4.53E-07	4.55E-06	7.76E-06	5.75E-07	2.59E-06	4.28E-06	1.42E-07
5195	742893.23	4111768.93	3.04E-05	5.54E-05	3.04E-06	4.71E-06	9.08E-06	4.56E-07	4.58E-06	7.81E-06	5.79E-07	2.60E-06	4.31E-06	1.43E-07
5196	742869.5	4111773.56	3.05E-05	5.57E-05	3.06E-06	4.74E-06	9.13E-06	4.58E-07	4.61E-06	7.85E-06	5.82E-07	2.62E-06	4.33E-06	1.44E-07
5197	742845.78	4111778.18	3.07E-05	5.59E-05	3.07E-06	4.76E-06	9.17E-06	4.60E-07	4.63E-06	7.89E-06	5.85E-07	2.63E-06	4.35E-06	1.44E-07
5198	742822.05	4111782.8	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.20E-06	4.62E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
5199	742798.33	4111787.43	3.09E-05	5.64E-05	3.10E-06	4.80E-06	9.24E-06	4.64E-07	4.67E-06	7.95E-06	5.90E-07	2.65E-06	4.39E-06	1.45E-07
5200	742774.61	4111792.05	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
5201	742750.88	4111796.67	3.14E-05	5.71E-05	3.14E-06	4.86E-06	9.37E-06	4.71E-07	4.73E-06	8.06E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
5202	742727.16	4111801.3	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.47E-06	4.76E-07	4.78E-06	8.15E-06	6.04E-07	2.72E-06	4.49E-06	1.49E-07
5203	742703.43	4111805.92	3.21E-05	5.86E-05	3.22E-06	4.98E-06	9.60E-06	4.82E-07	4.85E-06	8.26E-06	6.12E-07	2.75E-06	4.56E-06	1.51E-07
5204	742679.71	4111810.54	3.27E-05	5.95E-05	3.27E-06	5.07E-06	9.76E-06	4.90E-07	4.93E-06	8.40E-06	6.23E-07	2.80E-06	4.63E-06	1.54E-07
5205	742655.98	4111815.17	3.33E-05	6.07E-05	3.33E-06	5.17E-06	9.95E-06	5.00E-07	5.02E-06	8.57E-06	6.35E-07	2.86E-06	4.72E-06	1.57E-07
5206	742632.26	4111819.79	3.41E-05	6.21E-05	3.41E-06	5.28E-06	1.02E-05	5.11E-07	5.14E-06	8.76E-06	6.49E-07	2.92E-06	4.83E-06	1.60E-07
5207	742608.53	4111824.42	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
5208	742584.81	4111829.04	3.58E-05	6.53E-05	3.59E-06	5.56E-06	1.07E-05	5.38E-07	5.41E-06	9.22E-06	6.83E-07	3.07E-06	5.08E-06	1.68E-07
5209	742561.08	4111833.66	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.53E-07	5.55E-06	9.47E-06	7.02E-07	3.16E-06	5.22E-06	1.73E-07
5210	742537.36	4111838.29	3.79E-05	6.90E-05	3.79E-06	5.87E-06	1.13E-05	5.68E-07	5.71E-06	9.73E-06	7.22E-07	3.24E-06	5.37E-06	1.78E-07
5211	742513.63	4111842.91	3.89E-05	7.09E-05	3.89E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
5212	742489.91	4111847.53	4.00E-05	7.29E-05	4.00E-06	6.20E-06	1.19E-05	6.00E-07	6.03E-06	1.03E-05	7.62E-07	3.43E-06	5.67E-06	1.88E-07
5213	742466.18	4111852.16	4.10E-05	7.48E-05	4.11E-06	6.37E-06	1.23E-05	6.16E-07	6.19E-06	1.06E-05	7.82E-07	3.52E-06	5.82E-06	1.93E-07
5214	742442.46	4111856.78	4.21E-05	7.67E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
5215	742418.73	4111861.41	4.30E-05	7.84E-05	4.31E-06	6.67E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.20E-07	3.69E-06	6.10E-06	2.02E-07
5216	742395.01	4111866.03	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.37E-07	3.76E-06	6.22E-06	2.06E-07
5217	742371.29	4111870.65	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.33E-05	6.71E-07	6.74E-06	1.15E-05	8.51E-07	3.83E-06	6.33E-06	2.10E-07
5218	742347.56	4111875.28	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
5219	742323.84	4111879.9	4.59E-05	8.36E-05	4.59E-06	7.11E-06	1.37E-05	6.88E-07	6.92E-06	1.18E-05	8.74E-07	3.93E-06	6.50E-06	2.16E-07
5220	742300.11	4111884.52	4.63E-05	8.43E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.82E-07	3.97E-06	6.56E-06	2.18E-07
5221	742276.39	4111889.15	4.66E-05	8.49E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.88E-07	3.99E-06	6.60E-06	2.19E-07
5222	742252.66	4111893.77	4.68E-05	8.53E-05	4.68E-06	7.26E-06	1.40E-05	7.02E-07	7.06E-06	1.20E-05	8.92E-07	4.01E-06	6.63E-06	2.20E-07
5223	742228.94	4111898.39	4.69E-05	8.55E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.94E-07	4.02E-06	6.66E-06	2.21E-07
5224	742205.21	4111903.02	4.71E-05	8.57E-05	4.71E-06	7.30E-06	1.41E-05	7.06E-07	7.10E-06	1.21E-05	8.97E-07	4.03E-06	6.67E-06	2.21E-07
5225	742181.49	4111907.64	4.72E-05	8.59E-05	4.72E-06	7.31E-06	1.41E-05	7.08E-07	7.11E-06	1.21E-05	8.99E-07	4.04E-06	6.69E-06	2.22E-07
5226	742157.76	4111912.27	4.73E-05	8.62E-05	4.73E-06	7.34E-06	1.41E-05	7.10E-07	7.14E-06	1.22E-05	9.02E-07	4.05E-06	6.71E-06	2.22E-07
5227	742134.04	4111916.89	4.75E-05	8.66E-05	4.76E-06	7.37E-06	1.42E-05	7.13E-07	7.17E-06	1.22E-05	9.06E-07	4.07E-06	6.74E-06	2.23E-07
5228	742110.31	4111921.51	4.78E-05	8.71E-05	4.78E-06	7.41E-06	1.43E-05	7.18E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
5229	742086.59	4111926.14	4.82E-05	8.78E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.26E-06	1.24E-05	9.18E-07	4.13E-06	6.83E-06	2.26E-07
5230	742062.86	4111930.76	4.86E-05	8.86E-05	4.87E-06	7.54E-06	1.45E-05	7.30E-07	7.33E-06	1.25E-05	9.27E-07	4.17E-06	6.90E-06	2.29E-07
5231	742039.14	4111935.38	4.92E-05	8.96E-05	4.92E-06	7.62E-06	1.47E-05	7.38E-07	7.41E-06	1.26E-05	9.37E-07	4.21E-06	6.97E-06	2.31E-07
5232	742015.41	4111940.01	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
5233	741991.69	4111944.63	5.05E-05	9.19E-05	5.05E-06	7.83E-06	1.51E-05	7.57E-07	7.61E-06	1.30E-05	9.62E-07	4.32E-06	7.15E-06	2.37E-07
5234	741967.97	4111949.25	5.12E-05	9.33E-05	5.12E-06	7.94E-06	1.53E-05	7.68E-07	7.72E-06	1.32E-05	9.76E-07	4.39E-06	7.26E-06	2.41E-07
5235	741944.24	4111953.88	5.20E-05	9.47E-05	5.20E-06	8.06E-06	1.55E-05	7.80E-07	7.83E-06	1.34E-05	9.90E-07	4.45E-06	7.37E-06	2.44E-07
5236	741920.52	4111958.5	5.27E-05	9.60E-05	5.27E-06	8.17E-06	1.57E-05	7.91E-07	7.95E-06	1.35E-05	1.00E-06	4.52E-06	7.47E-06	2.48E-07
5237	741896.79	4111963.13	5.34E-05	9.73E-05	5.35E-06	8.28E-06	1.60E-05	8.02E-07	8.06E-06	1.37E-05	1.02E-06	4.58E-06	7.57E-06	2.51E-07
5238	741873.07	4111967.75	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
5239	741849.34	4111972.37	5.48E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
5240	741825.62	4111977	5.53E-05	1.01E-04	5.54E-06	8.58E-06	1.65E-05	8.31E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.85E-06	2.60E-07
5241	741801.89	4111981.62	5.58E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.38E-07	8.42E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.62E-07
5242	741778.17	4111986.24	5.63E-05	1.03E-04	5.63E-06	8.73E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.82E-06	7.98E-06	2.65E-07
5243	741754.44	4111990.87	5.67E-05	1.03E-04	5.67E-06	8.79E-06	1.69E-05	8.51E-07	8.55E-06	1.46E-05	1.08E-06	4.86E-06	8.04E-06	2.66E-07
5244	741730.72	4111995.49	5.70E-05	1.04E-04	5.71E-06	8.84E-06	1.70E-05	8.56E-07	8.60E-06	1.47E-05	1.09E-06	4.89E-06	8.09E-06	2.68E-07
5245	741706.99	4112000.11	5.74E-05	1.05E-04	5.74E-06	8.89E-06	1.71E-05	8.61E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.70E-07
5246	741683.27	4112004.74	5.77E-05	1.05E-04	5.77E-06	8.94E-06	1.72E-05	8.65E-07	8.70E-06	1.48E-05	1.10E-06	4.94E-06	8.18E-06	2.71E-07
5247	741659.54	4112009.36	5.79E-05	1.05E-04	5.79E-06	8.97E-06	1.73E-05	8.68E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.20E-06	2.72E-07
5248	741635.82	4112013.99	5.80E-05	1.06E-04	5.80E-06	9.00E-06	1.73E-05	8.71E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.22E-06	2.73E-07
5249	741612.1	4112018.61	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
5250	741588.37	4112023.23	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.23E-06	2.73E-07

5251	741564.65	4112027.86	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
5252	741521.03	4112018.74	5.87E-05	1.07E-04	5.87E-06	9.10E-06	1.75E-05	8.81E-07	8.85E-06	1.51E-05	1.12E-06	5.03E-06	8.32E-06	2.76E-07
5253	741501.14	4112005.01	5.93E-05	1.08E-04	5.93E-06	9.19E-06	1.77E-05	8.90E-07	8.94E-06	1.52E-05	1.13E-06	5.08E-06	8.41E-06	2.79E-07
5254	741481.26	4111991.27	5.99E-05	1.09E-04	5.99E-06	9.28E-06	1.79E-05	8.98E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.81E-07
5255	741461.37	4111977.53	6.04E-05	1.10E-04	6.05E-06	9.37E-06	1.81E-05	9.07E-07	9.11E-06	1.55E-05	1.15E-06	5.18E-06	8.57E-06	2.84E-07
5256	741441.48	4111963.8	6.10E-05	1.11E-04	6.10E-06	9.46E-06	1.82E-05	9.15E-07	9.20E-06	1.57E-05	1.16E-06	5.23E-06	8.65E-06	2.87E-07
5257	741421.59	4111950.06	6.16E-05	1.12E-04	6.16E-06	9.55E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.73E-06	2.89E-07
5258	741401.7	4111936.32	6.21E-05	1.13E-04	6.22E-06	9.63E-06	1.86E-05	9.32E-07	9.37E-06	1.60E-05	1.18E-06	5.32E-06	8.81E-06	2.92E-07
5259	741381.82	4111922.58	6.27E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.41E-07	9.46E-06	1.61E-05	1.20E-06	5.37E-06	8.89E-06	2.95E-07
5260	741361.93	4111908.85	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.98E-06	2.98E-07
5261	741342.04	4111895.11	6.39E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.59E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.06E-06	3.00E-07
5262	741322.15	4111881.37	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.71E-06	1.65E-05	1.23E-06	5.52E-06	9.13E-06	3.03E-07
5263	741302.26	4111867.64	6.48E-05	1.18E-04	6.48E-06	1.00E-05	1.94E-05	9.72E-07	9.77E-06	1.67E-05	1.23E-06	5.55E-06	9.18E-06	3.04E-07
5264	741282.38	4111853.9	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
5265	741262.49	4111840.16	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.78E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
5266	741242.6	4111826.43	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.79E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
5267	741222.71	4111812.69	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
5268	741202.82	4111798.95	6.48E-05	1.18E-04	6.48E-06	1.00E-05	1.94E-05	9.72E-07	9.77E-06	1.67E-05	1.23E-06	5.55E-06	9.19E-06	3.04E-07
5269	741182.94	4111785.21	6.44E-05	1.17E-04	6.44E-06	9.99E-06	1.92E-05	9.66E-07	9.71E-06	1.66E-05	1.23E-06	5.52E-06	9.13E-06	3.03E-07
5270	741163.05	4111771.48	6.39E-05	1.16E-04	6.39E-06	9.91E-06	1.91E-05	9.59E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.06E-06	3.00E-07
5271	741143.16	4111757.74	6.34E-05	1.15E-04	6.34E-06	9.83E-06	1.89E-05	9.51E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.98E-06	2.98E-07
5272	741123.27	4111744	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.44E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
5273	741103.38	4111730.27	6.24E-05	1.14E-04	6.25E-06	9.68E-06	1.87E-05	9.37E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
5274	741083.5	4111716.53	6.22E-05	1.13E-04	6.23E-06	9.65E-06	1.86E-05	9.34E-07	9.38E-06	1.60E-05	1.19E-06	5.33E-06	8.82E-06	2.92E-07
5275	741063.61	4111702.79	6.23E-05	1.13E-04	6.23E-06	9.66E-06	1.86E-05	9.34E-07	9.39E-06	1.60E-05	1.19E-06	5.34E-06	8.83E-06	2.93E-07
5276	741043.72	4111689.06	6.26E-05	1.14E-04	6.26E-06	9.71E-06	1.87E-05	9.39E-07	9.44E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
5277	741023.83	4111675.32	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
5278	741003.94	4111661.58	6.43E-05	1.17E-04	6.43E-06	9.97E-06	1.92E-05	9.65E-07	9.69E-06	1.65E-05	1.22E-06	5.51E-06	9.11E-06	3.02E-07
5279	740984.05	4111647.85	6.56E-05	1.20E-04	6.56E-06	1.02E-05	1.96E-05	9.84E-07	9.89E-06	1.69E-05	1.25E-06	5.62E-06	9.30E-06	3.08E-07
5280	740964.17	4111634.11	6.72E-05	1.22E-04	6.72E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.76E-06	9.53E-06	3.16E-07
5281	740944.28	4111620.37	6.90E-05	1.26E-04	6.90E-06	1.07E-05	2.06E-05	1.04E-06	1.04E-05	1.77E-05	1.31E-06	5.91E-06	9.78E-06	3.24E-07
5282	740924.39	4111606.63	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
5283	740904.5	4111592.9	7.27E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.23E-06	1.03E-05	3.42E-07
5284	740884.61	4111579.16	7.44E-05	1.36E-04	7.45E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
5285	740864.73	4111565.42	7.60E-05	1.38E-04	7.60E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.95E-05	1.45E-06	6.51E-06	1.08E-05	3.57E-07
5286	740844.84	4111551.69	7.73E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.47E-06	6.62E-06	1.10E-05	3.63E-07
5287	740824.95	4111537.95	7.83E-05	1.43E-04	7.84E-06	1.21E-05	2.34E-05	1.18E-06	1.18E-05	2.01E-05	1.49E-06	6.71E-06	1.11E-05	3.68E-07
5288	740805.06	4111524.21	7.92E-05	1.44E-04	7.92E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
5289	740785.17	4111510.48	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
5290	740765.29	4111496.74	8.03E-05	1.46E-04	8.04E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.06E-05	1.53E-06	6.88E-06	1.14E-05	3.77E-07
5291	740745.4	4111483	8.09E-05	1.47E-04	8.09E-06	1.25E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.93E-06	1.15E-05	3.80E-07
5292	740725.51	4111469.27	8.15E-05	1.49E-04	8.16E-06	1.26E-05	2.44E-05	1.22E-06	1.23E-05	2.10E-05	1.55E-06	6.98E-06	1.16E-05	3.83E-07
5293	740705.62	4111455.53	8.23E-05	1.50E-04	8.24E-06	1.28E-05	2.46E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.05E-06	1.17E-05	3.87E-07
5294	740685.73	4111441.79	8.33E-05	1.52E-04	8.34E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.14E-06	1.18E-05	3.92E-07
5295	740665.85	4111428.05	8.46E-05	1.54E-04	8.47E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.25E-06	1.20E-05	3.98E-07
5296	740645.96	4111414.32	8.62E-05	1.57E-04	8.62E-06	1.34E-05	2.57E-05	1.29E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.05E-07
5297	740626.07	4111400.58	8.80E-05	1.60E-04	8.80E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
5298	740606.18	4111386.84	9.00E-05	1.64E-04	9.00E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.71E-06	1.28E-05	4.23E-07
5299	740586.29	4111373.11	9.20E-05	1.68E-04	9.21E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.75E-06	7.89E-06	1.30E-05	4.33E-07
5300	740566.41	4111359.37	9.41E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
5301	740546.52	4111345.63	9.61E-05	1.75E-04	9.61E-06	1.49E-05	2.87E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.23E-06	1.36E-05	4.51E-07
5302	740526.63	4111331.9	9.79E-05	1.78E-04	9.80E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.39E-06	1.39E-05	4.60E-07
5303	740506.74	4111318.16	9.96E-05	1.82E-04	9.97E-06	1.54E-05	2.98E-05	1.50E-06	1.50E-05	2.56E-05	1.90E-06	8.54E-06	1.41E-05	4.68E-07
5304	740486.85	4111304.42	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
5305	740466.96	4111290.68	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.76E-06	1.45E-05	4.80E-07
5306	740447.08	4111276.95	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
5307	740427.19	4111263.21	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
5308	740407.3	4111249.47	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
5309	740387.41	4111235.74	1.05E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
5310	740367.52	4111222	1.05E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
5311	740347.64	4111208.26	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.56E-06	1.57E-05	2.68E-05	1.99E-06	8.93E-06	1.48E-05	4.90E-07
5312	742988.13	4111750.44	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
5313	743008.24	4111736.95	2.90E-05	5.29E-05	2.91E-06	4.50E-06	8.68E-06	4.36E-07	4.38E-06	7.47E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
5314	743028.35	4111723.45	2.88E-05	5.24E-05	2.88E-06	4.46E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.48E-07	2.47E-06	4.08E-06	1.35E-07
5315	743048.46	4111709.96	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.27E-07	4.29E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
5316	743068.57	4111696.47	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
5317	743088.68	4111682.98	2.79E-05	5.09E-05	2.80E-06	4.33E-06	8.35E-06	4.19E-07	4.21E-06	7.18E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
5318	743108.79	4111669.48	2.78E-05	5.06E-05	2.78E-06	4.31E-06	8.30E-06	4.17E-07	4.19E-06	7.14E-06	5.29E-07	2.38E-06	3.94E-06	1.31E-07
5319	743128.9	4111655.99	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.28E-06	4.16E-07	4.18E-06	7.13E-06	5.28E-07	2.38E-06	3.93E-06	1.30E-07
5320	743149.01	4111642.5	2.79E-05	5.08E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
5321	743169.12	4111629.01	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07

5322	743189.23	4111615.51	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.57E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
5323	743209.34	4111602.02	2.94E-05	5.37E-05	2.95E-06	4.57E-06	8.80E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
5324	743229.45	4111588.53	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.57E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
5325	743249.56	4111575.04	3.16E-05	5.76E-05	3.16E-06	4.90E-06	9.44E-06	4.74E-07	4.76E-06	8.12E-06	6.02E-07	2.71E-06	4.48E-06	1.48E-07
5326	743187.31	4112087.22	2.30E-05	4.19E-05	2.30E-06	3.56E-06	6.87E-06	3.45E-07	3.47E-06	5.91E-06	4.38E-07	1.97E-06	3.26E-06	1.08E-07
5327	743163.64	4112091.83	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.94E-06	3.48E-07	3.50E-06	5.97E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
5328	743139.96	4112096.44	2.34E-05	4.27E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
5329	743116.29	4112101.06	2.35E-05	4.29E-05	2.36E-06	3.65E-06	7.03E-06	3.53E-07	3.55E-06	6.05E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
5330	743092.62	4112105.67	2.36E-05	4.31E-05	2.37E-06	3.67E-06	7.06E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.35E-06	1.11E-07
5331	743068.94	4112110.29	2.37E-05	4.32E-05	2.37E-06	3.67E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
5332	743045.27	4112114.9	2.37E-05	4.32E-05	2.37E-06	3.68E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.52E-07	2.03E-06	3.36E-06	1.11E-07
5333	743021.59	4112119.51	2.37E-05	4.32E-05	2.37E-06	3.67E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
5334	742997.92	4112124.13	2.37E-05	4.31E-05	2.37E-06	3.67E-06	7.07E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.35E-06	1.11E-07
5335	742974.25	4112128.74	2.36E-05	4.31E-05	2.36E-06	3.66E-06	7.06E-06	3.55E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5336	742950.57	4112133.35	2.36E-05	4.31E-05	2.36E-06	3.66E-06	7.06E-06	3.55E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5337	742926.9	4112137.97	2.37E-05	4.31E-05	2.37E-06	3.67E-06	7.07E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
5338	742903.22	4112142.58	2.37E-05	4.33E-05	2.38E-06	3.68E-06	7.09E-06	3.56E-07	3.58E-06	6.10E-06	4.52E-07	2.03E-06	3.37E-06	1.12E-07
5339	742879.55	4112147.2	2.39E-05	4.35E-05	2.39E-06	3.70E-06	7.14E-06	3.59E-07	3.60E-06	6.14E-06	4.55E-07	2.05E-06	3.39E-06	1.12E-07
5340	742855.87	4112151.81	2.41E-05	4.39E-05	2.41E-06	3.74E-06	7.20E-06	3.62E-07	3.64E-06	6.20E-06	4.59E-07	2.07E-06	3.42E-06	1.13E-07
5341	742832.2	4112156.42	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.30E-06	3.67E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
5342	742808.53	4112161.04	2.48E-05	4.52E-05	2.48E-06	3.84E-06	7.41E-06	3.72E-07	3.74E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.17E-07
5343	742784.85	4112165.65	2.52E-05	4.60E-05	2.53E-06	3.92E-06	7.54E-06	3.79E-07	3.81E-06	6.49E-06	4.81E-07	2.16E-06	3.58E-06	1.19E-07
5344	742761.18	4112170.27	2.58E-05	4.69E-05	2.58E-06	3.99E-06	7.70E-06	3.87E-07	3.88E-06	6.62E-06	4.91E-07	2.21E-06	3.65E-06	1.21E-07
5345	742737.5	4112174.88	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
5346	742713.83	4112179.49	2.70E-05	4.92E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.94E-06	5.14E-07	2.31E-06	3.83E-06	1.27E-07
5347	742690.16	4112184.11	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.27E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
5348	742666.48	4112188.72	2.84E-05	5.18E-05	2.84E-06	4.41E-06	8.49E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
5349	742642.81	4112193.33	2.92E-05	5.32E-05	2.92E-06	4.53E-06	8.73E-06	4.38E-07	4.40E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
5350	742619.13	4112197.95	3.00E-05	5.47E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.72E-07	2.57E-06	4.25E-06	1.41E-07
5351	742595.46	4112202.56	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.21E-06	4.62E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
5352	742571.79	4112207.18	3.16E-05	5.76E-05	3.16E-06	4.90E-06	9.45E-06	4.75E-07	4.77E-06	8.13E-06	6.03E-07	2.71E-06	4.48E-06	1.49E-07
5353	742548.11	4112211.79	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.68E-06	4.87E-07	4.89E-06	8.33E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
5354	742524.44	4112216.4	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.71E-06	1.56E-07
5355	742500.76	4112221.02	3.39E-05	6.18E-05	3.39E-06	5.26E-06	1.01E-05	5.09E-07	5.11E-06	8.71E-06	6.46E-07	2.90E-06	4.80E-06	1.59E-07
5356	742477.09	4112225.63	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.20E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
5357	742453.42	4112230.24	3.51E-05	6.39E-05	3.51E-06	5.44E-06	1.05E-05	5.26E-07	5.29E-06	9.01E-06	6.68E-07	3.00E-06	4.97E-06	1.65E-07
5358	742429.74	4112234.86	3.55E-05	6.47E-05	3.55E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.13E-06	6.77E-07	3.04E-06	5.04E-06	1.67E-07
5359	742406.07	4112239.47	3.59E-05	6.54E-05	3.59E-06	5.56E-06	1.07E-05	5.39E-07	5.41E-06	9.22E-06	6.84E-07	3.07E-06	5.09E-06	1.69E-07
5360	742382.39	4112244.09	3.61E-05	6.58E-05	3.61E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.88E-07	3.10E-06	5.12E-06	1.70E-07
5361	742358.72	4112248.7	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.47E-06	9.33E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
5362	742335.05	4112253.31	3.64E-05	6.63E-05	3.64E-06	5.65E-06	1.09E-05	5.46E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
5363	742311.37	4112257.93	3.64E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.50E-06	9.37E-06	6.95E-07	3.12E-06	5.17E-06	1.71E-07
5364	742287.7	4112262.54	3.64E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.49E-06	9.37E-06	6.94E-07	3.12E-06	5.17E-06	1.71E-07
5365	742264.02	4112267.15	3.64E-05	6.64E-05	3.64E-06	5.65E-06	1.09E-05	5.47E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
5366	742240.35	4112271.77	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.49E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
5367	742216.67	4112276.38	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
5368	742193	4112281	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
5369	742169.33	4112285.61	3.64E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.50E-06	9.37E-06	6.95E-07	3.12E-06	5.17E-06	1.71E-07
5370	742145.65	4112290.22	3.66E-05	6.67E-05	3.66E-06	5.68E-06	1.09E-05	5.49E-07	5.52E-06	9.41E-06	6.98E-07	3.14E-06	5.19E-06	1.72E-07
5371	742121.98	4112294.84	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.52E-07	5.55E-06	9.46E-06	7.01E-07	3.15E-06	5.22E-06	1.73E-07
5372	742098.3	4112299.45	3.70E-05	6.75E-05	3.71E-06	5.74E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
5373	742074.63	4112304.06	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.12E-07	3.20E-06	5.29E-06	1.75E-07
5374	742050.96	4112308.68	3.77E-05	6.87E-05	3.77E-06	5.85E-06	1.13E-05	5.66E-07	5.68E-06	9.69E-06	7.18E-07	3.23E-06	5.34E-06	1.77E-07
5375	742027.28	4112313.29	3.81E-05	6.94E-05	3.81E-06	5.91E-06	1.14E-05	5.72E-07	5.74E-06	9.79E-06	7.26E-07	3.26E-06	5.40E-06	1.79E-07
5376	742003.61	4112317.91	3.85E-05	7.02E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.81E-06	9.90E-06	7.34E-07	3.30E-06	5.46E-06	1.81E-07
5377	741979.93	4112322.52	3.89E-05	7.10E-05	3.90E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
5378	741956.26	4112327.13	3.94E-05	7.18E-05	3.94E-06	6.11E-06	1.18E-05	5.92E-07	5.94E-06	1.01E-05	7.51E-07	3.38E-06	5.59E-06	1.85E-07
5379	741932.59	4112331.75	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
5380	741908.91	4112336.36	4.04E-05	7.36E-05	4.04E-06	6.27E-06	1.21E-05	6.07E-07	6.09E-06	1.04E-05	7.70E-07	3.46E-06	5.73E-06	1.90E-07
5381	741885.24	4112340.98	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
5382	741861.56	4112345.59	4.13E-05	7.53E-05	4.14E-06	6.41E-06	1.24E-05	6.21E-07	6.24E-06	1.06E-05	7.88E-07	3.54E-06	5.86E-06	1.94E-07
5383	741837.89	4112350.2	4.18E-05	7.61E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.96E-07	3.58E-06	5.92E-06	1.96E-07
5384	741814.22	4112354.82	4.22E-05	7.68E-05	4.22E-06	6.54E-06	1.26E-05	6.33E-07	6.36E-06	1.08E-05	8.04E-07	3.61E-06	5.98E-06	1.98E-07
5385	741790.54	4112359.43	4.25E-05	7.75E-05	4.26E-06	6.60E-06	1.27E-05	6.38E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.03E-06	2.00E-07
5386	741766.87	4112364.04	4.29E-05	7.81E-05	4.29E-06	6.65E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.17E-07	3.67E-06	6.08E-06	2.01E-07
5387	741743.19	4112368.66	4.32E-05	7.87E-05	4.32E-06	6.69E-06	1.29E-05	6.48E-07	6.51E-06	1.11E-05	8.23E-07	3.70E-06	6.12E-06	2.03E-07
5388	741719.52	4112373.27	4.35E-05	7.92E-05	4.35E-06	6.74E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.28E-07	3.72E-06	6.16E-06	2.04E-07
5389	741695.85	4112377.89	4.37E-05	7.97E-05	4.37E-06	6.78E-06	1.31E-05	6.56E-07	6.59E-06	1.12E-05	8.33E-07	3.75E-06	6.20E-06	2.05E-07
5390	741672.17	4112382.5	4.40E-05	8.01E-05	4.40E-06	6.82E-06	1.31E-05	6.60E-07	6.63E-06	1.13E-05	8.38E-07	3.77E-06	6.23E-06	2.07E-07
5391	741648.5	4112387.11	4.42E-05	8.05E-05	4.42E-06	6.85E-06	1.32E-05	6.63E-07	6.67E-06	1.14E-05	8.42E-07	3.79E-06	6.27E-06	2.08E-07
5392	741624.82	4112391.73	4.44E-05	8.09E-05	4.44E-06	6.89E-06	1.33E-05	6.67E-07	6.70E-06	1.14E-05	8.47E-07	3.81E-06	6.30E-06	2.09E-07

5393	741601.15	4112396.34	4.46E-05	8.13E-05	4.46E-06	6.92E-06	1.33E-05	6.70E-07	6.73E-06	1.15E-05	8.50E-07	3.82E-06	6.33E-06	2.10E-07
5394	741577.47	4112400.95	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
5395	741553.8	4112405.57	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.56E-07	3.85E-06	6.37E-06	2.11E-07
5396	741530.13	4112410.18	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.86E-06	6.38E-06	2.11E-07
5397	741506.45	4112414.8	4.50E-05	8.20E-05	4.51E-06	6.98E-06	1.35E-05	6.76E-07	6.79E-06	1.16E-05	8.58E-07	3.86E-06	6.38E-06	2.12E-07
5398	741482.78	4112419.41	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.76E-07	6.79E-06	1.16E-05	8.58E-07	3.86E-06	6.38E-06	2.12E-07
5399	741439.26	4112410.32	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
5400	741419.41	4112396.61	4.57E-05	8.32E-05	4.57E-06	7.08E-06	1.36E-05	6.85E-07	6.89E-06	1.17E-05	8.70E-07	3.91E-06	6.48E-06	2.15E-07
5401	741399.57	4112382.9	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
5402	741379.72	4112369.19	4.63E-05	8.44E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
5403	741359.88	4112355.48	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
5404	741340.03	4112341.78	4.69E-05	8.55E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.94E-07	4.02E-06	6.66E-06	2.21E-07
5405	741320.18	4112328.07	4.73E-05	8.62E-05	4.73E-06	7.33E-06	1.41E-05	7.10E-07	7.13E-06	1.22E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
5406	741300.34	4112314.36	4.77E-05	8.68E-05	4.77E-06	7.39E-06	1.42E-05	7.15E-07	7.19E-06	1.22E-05	9.08E-07	4.08E-06	6.76E-06	2.24E-07
5407	741280.49	4112300.65	4.81E-05	8.76E-05	4.81E-06	7.45E-06	1.44E-05	7.21E-07	7.25E-06	1.24E-05	9.16E-07	4.12E-06	6.81E-06	2.26E-07
5408	741260.65	4112286.95	4.85E-05	8.83E-05	4.85E-06	7.52E-06	1.45E-05	7.28E-07	7.31E-06	1.25E-05	9.24E-07	4.15E-06	6.87E-06	2.28E-07
5409	741240.8	4112273.24	4.89E-05	8.91E-05	4.90E-06	7.59E-06	1.46E-05	7.34E-07	7.38E-06	1.26E-05	9.32E-07	4.19E-06	6.94E-06	2.30E-07
5410	741220.96	4112259.53	4.94E-05	9.00E-05	4.94E-06	7.66E-06	1.48E-05	7.41E-07	7.45E-06	1.27E-05	9.41E-07	4.23E-06	7.00E-06	2.32E-07
5411	741201.11	4112245.82	4.98E-05	9.08E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.52E-06	1.28E-05	9.50E-07	4.27E-06	7.07E-06	2.34E-07
5412	741181.27	4112232.12	5.02E-05	9.15E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.57E-06	1.29E-05	9.57E-07	4.30E-06	7.12E-06	2.36E-07
5413	741161.42	4112218.41	5.06E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.33E-06	7.17E-06	2.38E-07
5414	741141.57	4112204.7	5.08E-05	9.26E-05	5.09E-06	7.88E-06	1.52E-05	7.63E-07	7.67E-06	1.31E-05	9.69E-07	4.36E-06	7.21E-06	2.39E-07
5415	741121.73	4112190.99	5.10E-05	9.30E-05	5.10E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
5416	741101.88	4112177.29	5.11E-05	9.31E-05	5.11E-06	7.92E-06	1.53E-05	7.67E-07	7.70E-06	1.31E-05	9.73E-07	4.38E-06	7.24E-06	2.40E-07
5417	741082.04	4112163.58	5.10E-05	9.30E-05	5.11E-06	7.92E-06	1.53E-05	7.66E-07	7.70E-06	1.31E-05	9.73E-07	4.37E-06	7.24E-06	2.40E-07
5418	741062.19	4112149.87	5.09E-05	9.27E-05	5.09E-06	7.89E-06	1.52E-05	7.64E-07	7.67E-06	1.31E-05	9.70E-07	4.36E-06	7.22E-06	2.39E-07
5419	741042.35	4112136.16	5.06E-05	9.23E-05	5.07E-06	7.85E-06	1.51E-05	7.60E-07	7.64E-06	1.30E-05	9.65E-07	4.34E-06	7.18E-06	2.38E-07
5420	741022.5	4112122.46	5.02E-05	9.15E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.58E-06	1.29E-05	9.57E-07	4.30E-06	7.12E-06	2.36E-07
5421	741002.65	4112108.75	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
5422	740982.81	4112095.04	4.93E-05	8.98E-05	4.93E-06	7.64E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
5423	740962.96	4112081.33	4.88E-05	8.89E-05	4.88E-06	7.57E-06	1.46E-05	7.33E-07	7.36E-06	1.25E-05	9.30E-07	4.18E-06	6.92E-06	2.29E-07
5424	740943.12	4112067.62	4.84E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.26E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.86E-06	2.27E-07
5425	740923.27	4112053.92	4.80E-05	8.74E-05	4.80E-06	7.44E-06	1.43E-05	7.20E-07	7.23E-06	1.23E-05	9.14E-07	4.11E-06	6.80E-06	2.25E-07
5426	740903.43	4112040.21	4.77E-05	8.70E-05	4.78E-06	7.40E-06	1.43E-05	7.16E-07	7.20E-06	1.23E-05	9.10E-07	4.09E-06	6.77E-06	2.24E-07
5427	740883.58	4112026.5	4.77E-05	8.69E-05	4.77E-06	7.39E-06	1.42E-05	7.16E-07	7.19E-06	1.23E-05	9.08E-07	4.09E-06	6.76E-06	2.24E-07
5428	740863.74	4112012.79	4.78E-05	8.71E-05	4.78E-06	7.41E-06	1.43E-05	7.17E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
5429	740843.89	4111999.09	4.81E-05	8.77E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.26E-06	1.24E-05	9.17E-07	4.13E-06	6.83E-06	2.26E-07
5430	740824.04	4111985.38	4.87E-05	8.88E-05	4.88E-06	7.56E-06	1.46E-05	7.31E-07	7.35E-06	1.25E-05	9.28E-07	4.17E-06	6.91E-06	2.29E-07
5431	740804.2	4111971.67	4.95E-05	9.02E-05	4.96E-06	7.68E-06	1.48E-05	7.43E-07	7.47E-06	1.27E-05	9.44E-07	4.24E-06	7.02E-06	2.33E-07
5432	740784.35	4111957.96	5.05E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.58E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
5433	740764.51	4111944.26	5.17E-05	9.43E-05	5.18E-06	8.02E-06	1.55E-05	7.77E-07	7.80E-06	1.33E-05	9.86E-07	4.43E-06	7.34E-06	2.43E-07
5434	740744.66	4111930.55	5.31E-05	9.67E-05	5.31E-06	8.23E-06	1.59E-05	7.96E-07	8.00E-06	1.36E-05	1.01E-06	4.55E-06	7.52E-06	2.49E-07
5435	740724.82	4111916.84	5.45E-05	9.93E-05	5.45E-06	8.45E-06	1.63E-05	8.17E-07	8.21E-06	1.40E-05	1.04E-06	4.67E-06	7.72E-06	2.56E-07
5436	740704.97	4111903.13	5.59E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.39E-07	8.43E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.63E-07
5437	740685.12	4111889.43	5.72E-05	1.04E-04	5.72E-06	8.87E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
5438	740665.28	4111875.72	5.84E-05	1.06E-04	5.85E-06	9.06E-06	1.75E-05	8.77E-07	8.81E-06	1.50E-05	1.11E-06	5.01E-06	8.28E-06	2.75E-07
5439	740645.43	4111862.01	5.95E-05	1.08E-04	5.95E-06	9.22E-06	1.78E-05	8.93E-07	8.97E-06	1.53E-05	1.13E-06	5.10E-06	8.43E-06	2.79E-07
5440	740625.59	4111848.3	6.03E-05	1.10E-04	6.04E-06	9.36E-06	1.80E-05	9.06E-07	9.10E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.84E-07
5441	740605.74	4111834.59	6.10E-05	1.11E-04	6.11E-06	9.46E-06	1.82E-05	9.16E-07	9.20E-06	1.57E-05	1.16E-06	5.23E-06	8.65E-06	2.87E-07
5442	740585.9	4111820.89	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.23E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
5443	740566.05	4111807.18	6.19E-05	1.13E-04	6.19E-06	9.59E-06	1.85E-05	9.28E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
5444	740546.2	4111793.47	6.21E-05	1.13E-04	6.21E-06	9.62E-06	1.85E-05	9.31E-07	9.36E-06	1.60E-05	1.18E-06	5.32E-06	8.80E-06	2.92E-07
5445	740526.36	4111779.76	6.22E-05	1.13E-04	6.23E-06	9.65E-06	1.86E-05	9.34E-07	9.38E-06	1.60E-05	1.19E-06	5.33E-06	8.82E-06	2.92E-07
5446	740506.51	4111766.06	6.24E-05	1.14E-04	6.24E-06	9.68E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
5447	740486.67	4111752.35	6.26E-05	1.14E-04	6.27E-06	9.71E-06	1.87E-05	9.40E-07	9.44E-06	1.61E-05	1.19E-06	5.37E-06	8.88E-06	2.94E-07
5448	740466.82	4111738.64	6.29E-05	1.15E-04	6.30E-06	9.76E-06	1.88E-05	9.45E-07	9.49E-06	1.62E-05	1.20E-06	5.39E-06	8.92E-06	2.96E-07
5449	740446.98	4111724.93	6.34E-05	1.15E-04	6.34E-06	9.83E-06	1.89E-05	9.51E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.99E-06	2.98E-07
5450	740427.13	4111711.23	6.40E-05	1.17E-04	6.40E-06	9.93E-06	1.91E-05	9.61E-07	9.65E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5451	740407.29	4111697.52	6.48E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.78E-06	1.67E-05	1.24E-06	5.55E-06	9.19E-06	3.05E-07
5452	740387.44	4111683.81	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
5453	740367.59	4111670.1	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
5454	740347.75	4111656.4	6.83E-05	1.24E-04	6.83E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.85E-06	9.68E-06	3.21E-07
5455	740327.9	4111642.69	6.96E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.33E-06	5.96E-06	9.87E-06	3.27E-07
5456	740308.06	4111628.98	7.10E-05	1.29E-04	7.10E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.35E-06	6.08E-06	1.01E-05	3.34E-07
5457	740288.21	4111615.27	7.24E-05	1.32E-04	7.25E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
5458	740268.37	4111601.56	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
5459	740248.52	4111587.86	7.50E-05	1.37E-04	7.51E-06	1.16E-05	2.24E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.43E-06	1.06E-05	3.53E-07
5460	740228.67	4111574.15	7.62E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.53E-06	1.08E-05	3.58E-07
5461	740208.83	4111560.44	7.71E-05	1.41E-04	7.72E-06	1.20E-05	2.30E-05	1.16E-06	1.16E-05	1.98E-05	1.47E-06	6.61E-06	1.09E-05	3.62E-07
5462	740188.98	4111546.73	7.79E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.66E-07
5463	740169.14	4111533.03	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07

5464	740149.29	4111519.32	7.92E-05	1.44E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.19E-05	2.04E-05	1.51E-06	6.79E-06	1.12E-05	3.72E-07
5465	740129.45	4111505.61	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.74E-07
5466	740109.6	4111491.9	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
5467	740089.76	4111478.2	8.01E-05	1.46E-04	8.02E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
5468	740069.91	4111464.49	8.02E-05	1.46E-04	8.03E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
5469	740050.06	4111450.78	8.02E-05	1.46E-04	8.02E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
5470	740030.22	4111437.07	8.00E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.86E-06	1.13E-05	3.76E-07
5471	740010.37	4111423.37	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
5472	743210.99	4112082.6	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.78E-06	3.41E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.22E-06	1.07E-07
5473	743231.1	4112069.11	2.25E-05	4.10E-05	2.25E-06	3.49E-06	6.71E-06	3.37E-07	3.39E-06	5.78E-06	4.28E-07	1.93E-06	3.19E-06	1.06E-07
5474	743251.21	4112055.62	2.22E-05	4.05E-05	2.22E-06	3.45E-06	6.64E-06	3.34E-07	3.35E-06	5.71E-06	4.24E-07	1.90E-06	3.15E-06	1.04E-07
5475	743271.32	4112042.13	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
5476	743291.43	4112028.63	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.47E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
5477	743311.54	4112015.14	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.23E-06	5.50E-06	4.08E-07	1.83E-06	3.03E-06	1.01E-07
5478	743331.65	4112001.65	2.12E-05	3.86E-05	2.12E-06	3.28E-06	6.32E-06	3.18E-07	3.19E-06	5.44E-06	4.03E-07	1.81E-06	3.00E-06	9.94E-08
5479	743351.76	4111988.16	2.10E-05	3.82E-05	2.10E-06	3.25E-06	6.27E-06	3.15E-07	3.16E-06	5.39E-06	4.00E-07	1.80E-06	2.97E-06	9.86E-08
5480	743371.87	4111974.66	2.09E-05	3.81E-05	2.09E-06	3.24E-06	6.24E-06	3.14E-07	3.15E-06	5.37E-06	3.98E-07	1.79E-06	2.96E-06	9.82E-08
5481	743391.98	4111961.17	2.09E-05	3.81E-05	2.09E-06	3.24E-06	6.25E-06	3.14E-07	3.15E-06	5.38E-06	3.99E-07	1.79E-06	2.97E-06	9.83E-08
5482	743412.09	4111947.68	2.11E-05	3.84E-05	2.11E-06	3.27E-06	6.30E-06	3.16E-07	3.18E-06	5.42E-06	4.02E-07	1.81E-06	2.99E-06	9.91E-08
5483	743432.2	4111934.19	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.23E-06	5.50E-06	4.08E-07	1.83E-06	3.03E-06	1.01E-07
5484	743452.31	4111920.7	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
5485	743472.42	4111907.2	2.25E-05	4.11E-05	2.26E-06	3.50E-06	6.73E-06	3.38E-07	3.40E-06	5.79E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
5486	743410.21	4112419.38	1.86E-05	3.40E-05	1.87E-06	2.89E-06	5.57E-06	2.80E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.76E-08
5487	743386.57	4112423.98	1.89E-05	3.44E-05	1.89E-06	2.93E-06	5.64E-06	2.83E-07	2.84E-06	4.85E-06	3.59E-07	1.62E-06	2.67E-06	8.87E-08
5488	743362.93	4112428.59	1.90E-05	3.47E-05	1.91E-06	2.95E-06	5.69E-06	2.86E-07	2.87E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.95E-08
5489	743339.29	4112433.2	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.73E-06	2.88E-07	2.89E-06	4.93E-06	3.65E-07	1.64E-06	2.72E-06	9.01E-08
5490	743315.65	4112437.8	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.95E-06	3.67E-07	1.65E-06	2.73E-06	9.05E-08
5491	743292.01	4112442.41	1.93E-05	3.52E-05	1.93E-06	3.00E-06	5.77E-06	2.90E-07	2.91E-06	4.97E-06	3.68E-07	1.66E-06	2.74E-06	9.08E-08
5492	743268.37	4112447.02	1.93E-05	3.52E-05	1.93E-06	3.00E-06	5.78E-06	2.90E-07	2.92E-06	4.97E-06	3.68E-07	1.66E-06	2.74E-06	9.09E-08
5493	743244.74	4112451.62	1.93E-05	3.52E-05	1.93E-06	2.99E-06	5.77E-06	2.90E-07	2.91E-06	4.96E-06	3.68E-07	1.65E-06	2.74E-06	9.08E-08
5494	743221.1	4112456.23	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.95E-06	3.67E-07	1.65E-06	2.73E-06	9.05E-08
5495	743197.46	4112460.84	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.73E-06	2.88E-07	2.89E-06	4.93E-06	3.65E-07	1.64E-06	2.72E-06	9.01E-08
5496	743173.82	4112465.44	1.91E-05	3.48E-05	1.91E-06	2.96E-06	5.71E-06	2.87E-07	2.88E-06	4.91E-06	3.64E-07	1.64E-06	2.71E-06	8.98E-08
5497	743150.18	4112470.05	1.90E-05	3.46E-05	1.90E-06	2.95E-06	5.68E-06	2.85E-07	2.87E-06	4.88E-06	3.62E-07	1.63E-06	2.69E-06	8.93E-08
5498	743126.54	4112474.66	1.89E-05	3.45E-05	1.89E-06	2.93E-06	5.65E-06	2.84E-07	2.85E-06	4.86E-06	3.61E-07	1.62E-06	2.68E-06	8.89E-08
5499	743102.9	4112479.27	1.87E-05	3.41E-05	1.87E-06	2.90E-06	5.60E-06	2.81E-07	2.82E-06	4.82E-06	3.57E-07	1.61E-06	2.66E-06	8.80E-08
5500	743079.27	4112483.87	1.89E-05	3.44E-05	1.89E-06	2.93E-06	5.64E-06	2.83E-07	2.85E-06	4.86E-06	3.60E-07	1.62E-06	2.68E-06	8.88E-08
5501	743055.63	4112488.48	1.89E-05	3.45E-05	1.90E-06	2.94E-06	5.66E-06	2.84E-07	2.86E-06	4.87E-06	3.61E-07	1.62E-06	2.69E-06	8.90E-08
5502	743031.99	4112493.09	1.90E-05	3.47E-05	1.90E-06	2.95E-06	5.68E-06	2.85E-07	2.87E-06	4.89E-06	3.62E-07	1.63E-06	2.70E-06	8.94E-08
5503	743008.35	4112497.69	1.91E-05	3.49E-05	1.92E-06	2.97E-06	5.72E-06	2.87E-07	2.89E-06	4.92E-06	3.65E-07	1.64E-06	2.71E-06	9.00E-08
5504	742984.71	4112502.3	1.93E-05	3.52E-05	1.93E-06	3.00E-06	5.77E-06	2.90E-07	2.91E-06	4.97E-06	3.68E-07	1.66E-06	2.74E-06	9.08E-08
5505	742961.07	4112506.91	1.95E-05	3.56E-05	1.96E-06	3.03E-06	5.84E-06	2.93E-07	2.95E-06	5.02E-06	3.72E-07	1.67E-06	2.77E-06	9.19E-08
5506	742937.43	4112511.51	1.98E-05	3.61E-05	1.98E-06	3.07E-06	5.92E-06	2.97E-07	2.99E-06	5.09E-06	3.78E-07	1.70E-06	2.81E-06	9.31E-08
5507	742913.8	4112516.12	2.01E-05	3.67E-05	2.01E-06	3.12E-06	6.02E-06	3.02E-07	3.04E-06	5.18E-06	3.84E-07	1.73E-06	2.85E-06	9.46E-08
5508	742890.16	4112520.73	2.05E-05	3.74E-05	2.05E-06	3.18E-06	6.13E-06	3.08E-07	3.09E-06	5.27E-06	3.91E-07	1.76E-06	2.91E-06	9.64E-08
5509	742866.52	4112525.33	2.09E-05	3.81E-05	2.09E-06	3.24E-06	6.25E-06	3.14E-07	3.15E-06	5.38E-06	3.99E-07	1.79E-06	2.97E-06	9.83E-08
5510	742842.88	4112529.94	2.14E-05	3.89E-05	2.14E-06	3.31E-06	6.38E-06	3.21E-07	3.22E-06	5.49E-06	4.07E-07	1.83E-06	3.03E-06	1.00E-07
5511	742819.24	4112534.55	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
5512	742795.6	4112539.15	2.24E-05	4.09E-05	2.25E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.05E-07
5513	742771.96	4112543.76	2.30E-05	4.19E-05	2.30E-06	3.57E-06	6.88E-06	3.45E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.26E-06	1.08E-07
5514	742748.33	4112548.37	2.36E-05	4.31E-05	2.36E-06	3.66E-06	7.06E-06	3.55E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5515	742724.69	4112552.98	2.43E-05	4.42E-05	2.43E-06	3.76E-06	7.25E-06	3.64E-07	3.66E-06	6.24E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
5516	742701.05	4112557.58	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.44E-06	3.74E-07	3.75E-06	6.40E-06	4.74E-07	2.13E-06	3.53E-06	1.17E-07
5517	742677.41	4112562.19	2.55E-05	4.65E-05	2.55E-06	3.96E-06	7.62E-06	3.83E-07	3.85E-06	6.56E-06	4.86E-07	2.19E-06	3.62E-06	1.20E-07
5518	742653.77	4112566.8	2.61E-05	4.76E-05	2.62E-06	4.05E-06	7.81E-06	3.92E-07	3.94E-06	6.72E-06	4.98E-07	2.24E-06	3.71E-06	1.23E-07
5519	742630.13	4112571.4	2.68E-05	4.88E-05	2.68E-06	4.15E-06	7.99E-06	4.02E-07	4.04E-06	6.88E-06	5.10E-07	2.29E-06	3.79E-06	1.26E-07
5520	742606.49	4112576.01	2.74E-05	4.98E-05	2.74E-06	4.24E-06	8.17E-06	4.11E-07	4.12E-06	7.03E-06	5.21E-07	2.34E-06	3.88E-06	1.29E-07
5521	742582.86	4112580.62	2.79E-05	5.09E-05	2.79E-06	4.33E-06	8.34E-06	4.19E-07	4.21E-06	7.17E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
5522	742559.22	4112585.22	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.03E-06	1.33E-07
5523	742535.58	4112589.83	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.61E-06	4.33E-07	4.35E-06	7.41E-06	5.49E-07	2.47E-06	4.09E-06	1.35E-07
5524	742511.94	4112594.44	2.92E-05	5.32E-05	2.92E-06	4.52E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
5525	742488.3	4112599.04	2.94E-05	5.37E-05	2.95E-06	4.57E-06	8.80E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
5526	742464.66	4112603.65	2.96E-05	5.40E-05	2.97E-06	4.60E-06	8.85E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
5527	742441.02	4112608.26	2.98E-05	5.42E-05	2.98E-06	4.61E-06	8.89E-06	4.47E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
5528	742417.39	4112612.86	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.90E-06	4.47E-07	4.49E-06	7.66E-06	5.68E-07	2.55E-06	4.23E-06	1.40E-07
5529	742393.75	4112617.47	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.90E-06	4.47E-07	4.49E-06	7.66E-06	5.68E-07	2.55E-06	4.22E-06	1.40E-07
5530	742370.11	4112622.08	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.88E-06	4.46E-07	4.48E-06	7.64E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
5531	742346.47	4112626.68	2.97E-05	5.40E-05	2.97E-06	4.60E-06	8.86E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
5532	742322.83	4112631.29	2.96E-05	5.39E-05	2.96E-06	4.58E-06	8.83E-06	4.44E-07	4.46E-06	7.60E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
5533	742299.19	4112635.9	2.95E-05	5.37E-05	2.95E-06	4.57E-06	8.80E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.18E-06	1.38E-07
5534	742275.55	4112640.51	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.16E-06	1.38E-07

5535	742251.92	4112645.11	2.93E-05	5.34E-05	2.93E-06	4.54E-06	8.75E-06	4.40E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
5536	742228.28	4112649.72	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
5537	742204.64	4112654.33	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
5538	742181	4112658.93	2.93E-05	5.34E-05	2.93E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.53E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
5539	742157.36	4112663.54	2.94E-05	5.36E-05	2.94E-06	4.56E-06	8.78E-06	4.41E-07	4.43E-06	7.56E-06	5.60E-07	2.52E-06	4.17E-06	1.38E-07
5540	742133.72	4112668.15	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
5541	742110.08	4112672.75	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
5542	742086.45	4112677.36	2.99E-05	5.45E-05	2.99E-06	4.64E-06	8.93E-06	4.49E-07	4.51E-06	7.68E-06	5.70E-07	2.56E-06	4.24E-06	1.40E-07
5543	742062.81	4112681.97	3.01E-05	5.49E-05	3.02E-06	4.67E-06	9.00E-06	4.52E-07	4.54E-06	7.75E-06	5.74E-07	2.58E-06	4.27E-06	1.42E-07
5544	742039.17	4112686.57	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.56E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
5545	742015.53	4112691.18	3.07E-05	5.60E-05	3.07E-06	4.76E-06	9.18E-06	4.61E-07	4.63E-06	7.90E-06	5.85E-07	2.63E-06	4.36E-06	1.44E-07
5546	741991.89	4112695.79	3.10E-05	5.66E-05	3.11E-06	4.81E-06	9.28E-06	4.66E-07	4.68E-06	7.98E-06	5.92E-07	2.66E-06	4.40E-06	1.46E-07
5547	741968.25	4112700.39	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.38E-06	4.71E-07	4.73E-06	8.07E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
5548	741944.61	4112705	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.48E-06	4.76E-07	4.78E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
5549	741920.98	4112709.61	3.21E-05	5.85E-05	3.21E-06	4.98E-06	9.59E-06	4.82E-07	4.84E-06	8.25E-06	6.11E-07	2.75E-06	4.55E-06	1.51E-07
5550	741897.34	4112714.22	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
5551	741873.7	4112718.82	3.28E-05	5.97E-05	3.28E-06	5.08E-06	9.78E-06	4.92E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.64E-06	1.54E-07
5552	741850.06	4112723.43	3.31E-05	6.02E-05	3.31E-06	5.13E-06	9.87E-06	4.96E-07	4.98E-06	8.50E-06	6.30E-07	2.83E-06	4.69E-06	1.55E-07
5553	741826.42	4112728.04	3.34E-05	6.08E-05	3.34E-06	5.17E-06	9.96E-06	5.01E-07	5.03E-06	8.57E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
5554	741802.78	4112732.64	3.36E-05	6.13E-05	3.37E-06	5.22E-06	1.00E-05	5.05E-07	5.07E-06	8.65E-06	6.41E-07	2.88E-06	4.77E-06	1.58E-07
5555	741779.14	4112737.25	3.39E-05	6.17E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.11E-06	8.71E-06	6.46E-07	2.90E-06	4.80E-06	1.59E-07
5556	741755.51	4112741.86	3.41E-05	6.22E-05	3.41E-06	5.29E-06	1.02E-05	5.12E-07	5.15E-06	8.77E-06	6.50E-07	2.92E-06	4.84E-06	1.60E-07
5557	741731.87	4112746.46	3.43E-05	6.26E-05	3.44E-06	5.33E-06	1.03E-05	5.15E-07	5.18E-06	8.83E-06	6.54E-07	2.94E-06	4.87E-06	1.61E-07
5558	741708.23	4112751.07	3.45E-05	6.29E-05	3.46E-06	5.36E-06	1.03E-05	5.18E-07	5.21E-06	8.88E-06	6.58E-07	2.96E-06	4.90E-06	1.62E-07
5559	741684.59	4112755.68	3.48E-05	6.33E-05	3.48E-06	5.39E-06	1.04E-05	5.22E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.93E-06	1.63E-07
5560	741660.95	4112760.28	3.49E-05	6.37E-05	3.50E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
5561	741637.31	4112764.89	3.51E-05	6.40E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.03E-06	6.70E-07	3.01E-06	4.98E-06	1.65E-07
5562	741613.67	4112769.5	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
5563	741590.04	4112774.1	3.56E-05	6.48E-05	3.56E-06	5.51E-06	1.06E-05	5.34E-07	5.36E-06	9.14E-06	6.78E-07	3.05E-06	5.04E-06	1.67E-07
5564	741566.4	4112778.71	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.39E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
5565	741542.76	4112783.32	3.60E-05	6.55E-05	3.60E-06	5.58E-06	1.07E-05	5.40E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.10E-06	1.69E-07
5566	741519.12	4112787.93	3.61E-05	6.58E-05	3.62E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.12E-06	1.70E-07
5567	741495.48	4112792.53	3.63E-05	6.61E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.47E-06	9.33E-06	6.91E-07	3.11E-06	5.14E-06	1.71E-07
5568	741471.84	4112797.14	3.64E-05	6.63E-05	3.64E-06	5.65E-06	1.09E-05	5.46E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
5569	741448.2	4112801.75	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.50E-06	9.38E-06	6.95E-07	3.13E-06	5.17E-06	1.71E-07
5570	741424.56	4112806.35	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.51E-06	9.39E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
5571	741400.93	4112810.96	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.51E-06	9.39E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
5572	741357.47	4112801.88	3.67E-05	6.68E-05	3.67E-06	5.69E-06	1.10E-05	5.51E-07	5.53E-06	9.43E-06	6.99E-07	3.14E-06	5.20E-06	1.72E-07
5573	741337.66	4112788.19	3.69E-05	6.72E-05	3.69E-06	5.72E-06	1.10E-05	5.54E-07	5.56E-06	9.48E-06	7.03E-07	3.16E-06	5.23E-06	1.73E-07
5574	741317.84	4112774.51	3.71E-05	6.75E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
5575	741298.02	4112760.82	3.72E-05	6.78E-05	3.72E-06	5.77E-06	1.11E-05	5.59E-07	5.61E-06	9.57E-06	7.09E-07	3.19E-06	5.28E-06	1.75E-07
5576	741278.21	4112747.13	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.12E-07	3.20E-06	5.30E-06	1.76E-07
5577	741258.39	4112733.44	3.75E-05	6.84E-05	3.76E-06	5.82E-06	1.12E-05	5.63E-07	5.66E-06	9.65E-06	7.15E-07	3.22E-06	5.32E-06	1.76E-07
5578	741238.58	4112719.76	3.77E-05	6.88E-05	3.78E-06	5.85E-06	1.13E-05	5.66E-07	5.69E-06	9.70E-06	7.19E-07	3.23E-06	5.35E-06	1.77E-07
5579	741218.76	4112706.07	3.79E-05	6.91E-05	3.80E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.75E-06	7.23E-07	3.25E-06	5.38E-06	1.78E-07
5580	741198.94	4112692.38	3.82E-05	6.96E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.76E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
5581	741179.13	4112678.7	3.85E-05	7.01E-05	3.85E-06	5.96E-06	1.15E-05	5.77E-07	5.80E-06	9.89E-06	7.33E-07	3.30E-06	5.45E-06	1.81E-07
5582	741159.31	4112665.01	3.88E-05	7.06E-05	3.88E-06	6.01E-06	1.16E-05	5.82E-07	5.84E-06	9.96E-06	7.39E-07	3.32E-06	5.49E-06	1.82E-07
5583	741139.5	4112651.32	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
5584	741119.68	4112637.63	3.95E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.52E-07	3.38E-06	5.59E-06	1.85E-07
5585	741099.87	4112623.95	3.98E-05	7.26E-05	3.98E-06	6.18E-06	1.19E-05	5.98E-07	6.01E-06	1.02E-05	7.59E-07	3.41E-06	5.65E-06	1.87E-07
5586	741080.05	4112610.26	4.02E-05	7.32E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
5587	741060.23	4112596.57	4.05E-05	7.38E-05	4.05E-06	6.28E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.74E-06	1.90E-07
5588	741040.42	4112582.89	4.08E-05	7.44E-05	4.09E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
5589	741020.6	4112569.2	4.11E-05	7.49E-05	4.11E-06	6.37E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.83E-07	3.52E-06	5.83E-06	1.93E-07
5590	741000.79	4112555.51	4.13E-05	7.53E-05	4.14E-06	6.41E-06	1.23E-05	6.20E-07	6.23E-06	1.06E-05	7.88E-07	3.54E-06	5.86E-06	1.94E-07
5591	740980.97	4112541.82	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
5592	740961.15	4112528.14	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
5593	740941.34	4112514.45	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.93E-07	3.56E-06	5.90E-06	1.95E-07
5594	740921.52	4112500.76	4.15E-05	7.57E-05	4.16E-06	6.44E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
5595	740901.71	4112487.08	4.14E-05	7.54E-05	4.14E-06	6.42E-06	1.24E-05	6.21E-07	6.24E-06	1.06E-05	7.89E-07	3.55E-06	5.87E-06	1.95E-07
5596	740881.89	4112473.39	4.12E-05	7.51E-05	4.12E-06	6.39E-06	1.23E-05	6.18E-07	6.21E-06	1.06E-05	7.85E-07	3.53E-06	5.84E-06	1.94E-07
5597	740862.07	4112459.7	4.09E-05	7.46E-05	4.10E-06	6.35E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.80E-07	3.51E-06	5.80E-06	1.92E-07
5598	740842.26	4112446.01	4.06E-05	7.40E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.74E-07	3.48E-06	5.76E-06	1.91E-07
5599	740822.44	4112432.33	4.02E-05	7.33E-05	4.02E-06	6.24E-06	1.20E-05	6.04E-07	6.07E-06	1.03E-05	7.67E-07	3.45E-06	5.70E-06	1.89E-07
5600	740802.63	4112418.64	3.98E-05	7.26E-05	3.99E-06	6.18E-06	1.19E-05	5.98E-07	6.01E-06	1.02E-05	7.59E-07	3.41E-06	5.65E-06	1.87E-07
5601	740782.81	4112404.95	3.94E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.51E-07	3.38E-06	5.59E-06	1.85E-07
5602	740763	4112391.27	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.86E-07	5.89E-06	1.00E-05	7.44E-07	3.35E-06	5.54E-06	1.84E-07
5603	740743.18	4112377.58	3.87E-05	7.06E-05	3.88E-06	6.01E-06	1.16E-05	5.81E-07	5.84E-06	9.96E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
5604	740723.36	4112363.89	3.85E-05	7.02E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.81E-06	9.90E-06	7.34E-07	3.30E-06	5.46E-06	1.81E-07
5605	740703.55	4112350.21	3.84E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.78E-06	9.86E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07

5606	740683.73	4112336.52	3.84E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.78E-06	9.86E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07
5607	740663.92	4112322.83	3.85E-05	7.01E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.80E-06	9.89E-06	7.33E-07	3.30E-06	5.46E-06	1.81E-07
5608	740644.1	4112309.14	3.88E-05	7.07E-05	3.88E-06	6.02E-06	1.16E-05	5.82E-07	5.85E-06	9.97E-06	7.39E-07	3.32E-06	5.50E-06	1.82E-07
5609	740624.28	4112295.46	3.93E-05	7.16E-05	3.93E-06	6.09E-06	1.17E-05	5.89E-07	5.92E-06	1.01E-05	7.48E-07	3.36E-06	5.57E-06	1.85E-07
5610	740604.47	4112281.77	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.60E-07	3.42E-06	5.66E-06	1.88E-07
5611	740584.65	4112268.08	4.07E-05	7.41E-05	4.07E-06	6.31E-06	1.22E-05	6.11E-07	6.14E-06	1.05E-05	7.75E-07	3.49E-06	5.77E-06	1.91E-07
5612	740564.84	4112254.4	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.25E-07	6.28E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
5613	740545.02	4112240.71	4.26E-05	7.77E-05	4.26E-06	6.61E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.12E-07	3.65E-06	6.04E-06	2.00E-07
5614	740525.2	4112227.02	4.37E-05	7.96E-05	4.37E-06	6.78E-06	1.31E-05	6.56E-07	6.59E-06	1.12E-05	8.33E-07	3.74E-06	6.20E-06	2.05E-07
5615	740505.39	4112213.33	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
5616	740485.57	4112199.65	4.58E-05	8.35E-05	4.59E-06	7.11E-06	1.37E-05	6.88E-07	6.91E-06	1.18E-05	8.73E-07	3.93E-06	6.50E-06	2.15E-07
5617	740465.76	4112185.96	4.68E-05	8.52E-05	4.68E-06	7.26E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.92E-07	4.01E-06	6.63E-06	2.20E-07
5618	740445.94	4112172.27	4.77E-05	8.68E-05	4.77E-06	7.39E-06	1.42E-05	7.15E-07	7.19E-06	1.22E-05	9.08E-07	4.08E-06	6.76E-06	2.24E-07
5619	740426.13	4112158.59	4.84E-05	8.82E-05	4.84E-06	7.51E-06	1.45E-05	7.27E-07	7.30E-06	1.24E-05	9.23E-07	4.15E-06	6.87E-06	2.28E-07
5620	740406.31	4112144.9	4.91E-05	8.94E-05	4.91E-06	7.61E-06	1.47E-05	7.36E-07	7.40E-06	1.26E-05	9.35E-07	4.20E-06	6.96E-06	2.31E-07
5621	740386.49	4112131.21	4.96E-05	9.04E-05	4.96E-06	7.69E-06	1.48E-05	7.44E-07	7.48E-06	1.27E-05	9.45E-07	4.25E-06	7.03E-06	2.33E-07
5622	740366.68	4112117.52	4.99E-05	9.10E-05	5.00E-06	7.74E-06	1.49E-05	7.49E-07	7.53E-06	1.28E-05	9.51E-07	4.28E-06	7.08E-06	2.35E-07
5623	740346.86	4112103.84	5.01E-05	9.13E-05	5.01E-06	7.77E-06	1.50E-05	7.52E-07	7.56E-06	1.29E-05	9.55E-07	4.29E-06	7.11E-06	2.36E-07
5624	740327.05	4112090.15	5.02E-05	9.15E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.57E-06	1.29E-05	9.57E-07	4.30E-06	7.12E-06	2.36E-07
5625	740307.23	4112076.46	5.03E-05	9.16E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.58E-06	1.29E-05	9.58E-07	4.31E-06	7.13E-06	2.36E-07
5626	740287.41	4112062.78	5.03E-05	9.16E-05	5.03E-06	7.80E-06	1.50E-05	7.54E-07	7.58E-06	1.29E-05	9.58E-07	4.31E-06	7.13E-06	2.36E-07
5627	740267.6	4112049.09	5.03E-05	9.16E-05	5.03E-06	7.80E-06	1.50E-05	7.54E-07	7.58E-06	1.29E-05	9.58E-07	4.31E-06	7.13E-06	2.36E-07
5628	740247.78	4112035.4	5.03E-05	9.17E-05	5.03E-06	7.80E-06	1.50E-05	7.55E-07	7.59E-06	1.29E-05	9.59E-07	4.31E-06	7.13E-06	2.36E-07
5629	740227.97	4112021.72	5.04E-05	9.19E-05	5.04E-06	7.82E-06	1.51E-05	7.57E-07	7.60E-06	1.30E-05	9.61E-07	4.32E-06	7.15E-06	2.37E-07
5630	740208.15	4112008.03	5.06E-05	9.22E-05	5.06E-06	7.85E-06	1.51E-05	7.60E-07	7.63E-06	1.30E-05	9.65E-07	4.34E-06	7.18E-06	2.38E-07
5631	740188.33	4111994.34	5.09E-05	9.28E-05	5.09E-06	7.90E-06	1.52E-05	7.64E-07	7.68E-06	1.31E-05	9.70E-07	4.36E-06	7.22E-06	2.39E-07
5632	740168.52	4111980.65	5.13E-05	9.35E-05	5.14E-06	7.96E-06	1.53E-05	7.71E-07	7.74E-06	1.32E-05	9.78E-07	4.40E-06	7.28E-06	2.41E-07
5633	740148.7	4111966.97	5.19E-05	9.46E-05	5.19E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.89E-07	4.45E-06	7.36E-06	2.44E-07
5634	740128.89	4111953.28	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
5635	740109.07	4111939.59	5.34E-05	9.72E-05	5.34E-06	8.27E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
5636	740089.25	4111925.91	5.42E-05	9.88E-05	5.43E-06	8.41E-06	1.62E-05	8.14E-07	8.18E-06	1.39E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
5637	740069.44	4111912.22	5.52E-05	1.01E-04	5.52E-06	8.56E-06	1.65E-05	8.28E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.83E-06	2.59E-07
5638	740049.62	4111898.53	5.62E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.82E-06	7.97E-06	2.64E-07
5639	740029.81	4111884.84	5.72E-05	1.04E-04	5.72E-06	8.87E-06	1.71E-05	8.58E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
5640	740009.99	4111871.16	5.82E-05	1.06E-04	5.82E-06	9.03E-06	1.74E-05	8.73E-07	8.78E-06	1.50E-05	1.11E-06	4.99E-06	8.25E-06	2.74E-07
5641	739990.18	4111857.47	5.91E-05	1.08E-04	5.92E-06	9.17E-06	1.77E-05	8.88E-07	8.92E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
5642	739970.36	4111843.78	6.00E-05	1.09E-04	6.01E-06	9.31E-06	1.79E-05	9.01E-07	9.05E-06	1.54E-05	1.14E-06	5.14E-06	8.51E-06	2.82E-07
5643	739950.54	4111830.1	6.08E-05	1.11E-04	6.09E-06	9.43E-06	1.82E-05	9.13E-07	9.17E-06	1.56E-05	1.16E-06	5.21E-06	8.62E-06	2.86E-07
5644	739930.73	4111816.41	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.23E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
5645	739910.91	4111802.72	6.21E-05	1.13E-04	6.22E-06	9.63E-06	1.86E-05	9.32E-07	9.37E-06	1.60E-05	1.18E-06	5.32E-06	8.81E-06	2.92E-07
5646	739891.1	4111789.03	6.27E-05	1.14E-04	6.27E-06	9.72E-06	1.87E-05	9.40E-07	9.45E-06	1.61E-05	1.19E-06	5.37E-06	8.88E-06	2.94E-07
5647	739871.28	4111775.35	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.96E-07
5648	739851.46	4111761.66	6.34E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.52E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	9.00E-06	2.98E-07
5649	739831.65	4111747.97	6.37E-05	1.16E-04	6.38E-06	9.88E-06	1.90E-05	9.56E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
5650	739811.83	4111734.29	6.39E-05	1.16E-04	6.40E-06	9.91E-06	1.91E-05	9.59E-07	9.64E-06	1.64E-05	1.22E-06	5.48E-06	9.06E-06	3.00E-07
5651	739792.02	4111720.6	6.41E-05	1.17E-04	6.41E-06	9.94E-06	1.91E-05	9.62E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5652	739772.2	4111706.91	6.42E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.67E-06	1.65E-05	1.22E-06	5.50E-06	9.10E-06	3.02E-07
5653	739752.38	4111693.23	6.42E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.68E-06	1.65E-05	1.22E-06	5.50E-06	9.10E-06	3.02E-07
5654	739732.57	4111679.54	6.41E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.67E-06	1.65E-05	1.22E-06	5.50E-06	9.09E-06	3.01E-07
5655	739712.75	4111665.85	6.40E-05	1.17E-04	6.41E-06	9.93E-06	1.91E-05	9.61E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5656	739692.94	4111652.16	6.39E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
5657	739673.12	4111638.48	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.55E-07	9.59E-06	1.64E-05	1.21E-06	5.45E-06	9.02E-06	2.99E-07
5658	743433.84	4112414.77	1.84E-05	3.35E-05	1.84E-06	2.85E-06	5.49E-06	2.76E-07	2.77E-06	4.73E-06	3.50E-07	1.58E-06	2.61E-06	8.64E-08
5659	743453.95	4112401.28	1.82E-05	3.31E-05	1.82E-06	2.82E-06	5.43E-06	2.73E-07	2.74E-06	4.67E-06	3.46E-07	1.56E-06	2.58E-06	8.54E-08
5660	743474.06	4112387.78	1.79E-05	3.27E-05	1.79E-06	2.78E-06	5.35E-06	2.69E-07	2.70E-06	4.61E-06	3.41E-07	1.54E-06	2.54E-06	8.42E-08
5661	743494.17	4112374.29	1.77E-05	3.22E-05	1.77E-06	2.74E-06	5.28E-06	2.65E-07	2.67E-06	4.54E-06	3.37E-07	1.51E-06	2.51E-06	8.31E-08
5662	743514.28	4112360.8	1.74E-05	3.17E-05	1.74E-06	2.70E-06	5.20E-06	2.61E-07	2.62E-06	4.47E-06	3.32E-07	1.49E-06	2.47E-06	8.18E-08
5663	743534.39	4112347.31	1.72E-05	3.13E-05	1.72E-06	2.66E-06	5.13E-06	2.58E-07	2.59E-06	4.41E-06	3.27E-07	1.47E-06	2.43E-06	8.06E-08
5664	743554.5	4112333.82	1.69E-05	3.08E-05	1.69E-06	2.62E-06	5.06E-06	2.54E-07	2.55E-06	4.35E-06	3.23E-07	1.45E-06	2.40E-06	7.96E-08
5665	743574.61	4112320.32	1.67E-05	3.05E-05	1.67E-06	2.59E-06	5.00E-06	2.51E-07	2.52E-06	4.30E-06	3.19E-07	1.43E-06	2.37E-06	7.86E-08
5666	743594.72	4112306.83	1.62E-05	2.95E-05	1.62E-06	2.51E-06	4.84E-06	2.43E-07	2.44E-06	4.17E-06	3.09E-07	1.39E-06	2.30E-06	7.61E-08
5667	743614.83	4112293.34	1.60E-05	2.92E-05	1.61E-06	2.49E-06	4.79E-06	2.41E-07	2.42E-06	4.13E-06	3.06E-07	1.38E-06	2.28E-06	7.54E-08
5668	743634.94	4112279.85	1.60E-05	2.91E-05	1.60E-06	2.48E-06	4.77E-06	2.40E-07	2.41E-06	4.11E-06	3.05E-07	1.37E-06	2.27E-06	7.51E-08
5669	743655.05	4112266.35	1.60E-05	2.92E-05	1.60E-06	2.49E-06	4.79E-06	2.41E-07	2.42E-06	4.12E-06	3.06E-07	1.37E-06	2.27E-06	7.54E-08
5670	743675.16	4112252.86	1.62E-05	2.96E-05	1.63E-06	2.52E-06	4.85E-06	2.44E-07	2.45E-06	4.18E-06	3.10E-07	1.39E-06	2.30E-06	7.64E-08
5671	743695.27	4112239.37	1.66E-05	3.02E-05	1.66E-06	2.57E-06	4.95E-06	2.49E-07	2.50E-06	4.26E-06	3.16E-07	1.42E-06	2.35E-06	7.79E-08
5672	743633.09	4112751.54	1.57E-05	2.86E-05	1.57E-06	2.43E-06	4.69E-06	2.36E-07	2.37E-06	4.03E-06	2.99E-07	1.34E-06	2.22E-06	7.37E-08
5673	743609.48	4112756.14	1.59E-05	2.90E-05	1.59E-06	2.47E-06	4.75E-06	2.39E-07	2.40E-06	4.09E-06	3.03E-07	1.36E-06	2.26E-06	7.48E-08
5674	743585.87	4112760.74	1.61E-05	2.94E-05	1.61E-06	2.50E-06	4.81E-06	2.42E-07	2.43E-06	4.14E-06	3.07E-07	1.38E-06	2.28E-06	7.57E-08
5675	743562.25	4112765.34	1.63E-05	2.96E-05	1.63E-06	2.52E-06	4.86E-06	2.44E-07	2.45E-06	4.18E-06	3.10E-07	1.39E-06	2.31E-06	7.64E-08
5676	743538.64	4112769.94	1.63E-05	2.98E-05	1.64E-06	2.54E-06	4.88E-06	2.45E-07	2.47E-06	4.20E-06	3.12E-07	1.40E-06	2.32E-06	7.68E-08

5677	743515.03	4112774.55	1.64E-05	2.99E-05	1.64E-06	2.54E-06	4.90E-06	2.46E-07	2.47E-06	4.22E-06	3.13E-07	1.41E-06	2.33E-06	7.71E-08
5678	743491.42	4112779.15	1.64E-05	2.99E-05	1.64E-06	2.55E-06	4.90E-06	2.46E-07	2.48E-06	4.22E-06	3.13E-07	1.41E-06	2.33E-06	7.71E-08
5679	743467.8	4112783.75	1.64E-05	2.99E-05	1.64E-06	2.54E-06	4.89E-06	2.46E-07	2.47E-06	4.21E-06	3.12E-07	1.40E-06	2.32E-06	7.70E-08
5680	743444.19	4112788.35	1.63E-05	2.97E-05	1.63E-06	2.53E-06	4.87E-06	2.45E-07	2.46E-06	4.19E-06	3.11E-07	1.40E-06	2.31E-06	7.66E-08
5681	743420.58	4112792.95	1.62E-05	2.95E-05	1.62E-06	2.51E-06	4.84E-06	2.43E-07	2.44E-06	4.17E-06	3.09E-07	1.39E-06	2.30E-06	7.61E-08
5682	743396.97	4112797.55	1.61E-05	2.93E-05	1.61E-06	2.49E-06	4.80E-06	2.41E-07	2.42E-06	4.13E-06	3.06E-07	1.38E-06	2.28E-06	7.55E-08
5683	743373.36	4112802.16	1.60E-05	2.91E-05	1.60E-06	2.48E-06	4.78E-06	2.40E-07	2.41E-06	4.11E-06	3.05E-07	1.37E-06	2.27E-06	7.52E-08
5684	743349.74	4112806.76	1.59E-05	2.90E-05	1.59E-06	2.46E-06	4.75E-06	2.39E-07	2.40E-06	4.09E-06	3.03E-07	1.36E-06	2.25E-06	7.47E-08
5685	743326.13	4112811.36	1.58E-05	2.88E-05	1.58E-06	2.45E-06	4.72E-06	2.37E-07	2.38E-06	4.06E-06	3.01E-07	1.35E-06	2.24E-06	7.43E-08
5686	743302.52	4112815.96	1.57E-05	2.86E-05	1.57E-06	2.44E-06	4.69E-06	2.36E-07	2.37E-06	4.04E-06	2.99E-07	1.35E-06	2.23E-06	7.38E-08
5687	743278.91	4112820.56	1.56E-05	2.85E-05	1.57E-06	2.43E-06	4.67E-06	2.35E-07	2.36E-06	4.02E-06	2.98E-07	1.34E-06	2.22E-06	7.35E-08
5688	743255.29	4112825.16	1.56E-05	2.84E-05	1.56E-06	2.42E-06	4.66E-06	2.34E-07	2.35E-06	4.01E-06	2.97E-07	1.34E-06	2.21E-06	7.33E-08
5689	743231.68	4112829.77	1.56E-05	2.84E-05	1.56E-06	2.42E-06	4.66E-06	2.34E-07	2.35E-06	4.01E-06	2.97E-07	1.34E-06	2.21E-06	7.33E-08
5690	743208.07	4112834.37	1.56E-05	2.84E-05	1.56E-06	2.42E-06	4.66E-06	2.34E-07	2.35E-06	4.01E-06	2.97E-07	1.34E-06	2.21E-06	7.33E-08
5691	743184.46	4112838.97	1.56E-05	2.85E-05	1.57E-06	2.43E-06	4.67E-06	2.35E-07	2.36E-06	4.02E-06	2.98E-07	1.34E-06	2.22E-06	7.35E-08
5692	743160.84	4112843.57	1.57E-05	2.87E-05	1.57E-06	2.44E-06	4.70E-06	2.36E-07	2.37E-06	4.04E-06	3.00E-07	1.35E-06	2.23E-06	7.39E-08
5693	743137.23	4112848.17	1.58E-05	2.89E-05	1.58E-06	2.46E-06	4.73E-06	2.38E-07	2.39E-06	4.07E-06	3.02E-07	1.36E-06	2.25E-06	7.44E-08
5694	743113.62	4112852.78	1.60E-05	2.91E-05	1.60E-06	2.48E-06	4.77E-06	2.40E-07	2.41E-06	4.11E-06	3.05E-07	1.37E-06	2.27E-06	7.51E-08
5695	743090.01	4112857.38	1.61E-05	2.94E-05	1.62E-06	2.50E-06	4.82E-06	2.42E-07	2.44E-06	4.15E-06	3.08E-07	1.38E-06	2.29E-06	7.59E-08
5696	743066.39	4112861.98	1.63E-05	2.98E-05	1.64E-06	2.54E-06	4.88E-06	2.45E-07	2.47E-06	4.20E-06	3.12E-07	1.40E-06	2.32E-06	7.68E-08
5697	743042.78	4112866.58	1.66E-05	3.02E-05	1.66E-06	2.57E-06	4.95E-06	2.49E-07	2.50E-06	4.26E-06	3.16E-07	1.42E-06	2.35E-06	7.79E-08
5698	743019.17	4112871.18	1.68E-05	3.07E-05	1.69E-06	2.61E-06	5.03E-06	2.53E-07	2.54E-06	4.33E-06	3.21E-07	1.44E-06	2.39E-06	7.92E-08
5699	742995.56	4112875.78	1.71E-05	3.12E-05	1.71E-06	2.66E-06	5.12E-06	2.57E-07	2.58E-06	4.41E-06	3.27E-07	1.47E-06	2.43E-06	8.05E-08
5700	742971.95	4112880.39	1.75E-05	3.18E-05	1.75E-06	2.71E-06	5.22E-06	2.62E-07	2.63E-06	4.49E-06	3.33E-07	1.50E-06	2.48E-06	8.21E-08
5701	742948.33	4112884.99	1.78E-05	3.25E-05	1.78E-06	2.76E-06	5.32E-06	2.67E-07	2.69E-06	4.58E-06	3.40E-07	1.53E-06	2.53E-06	8.37E-08
5702	742924.72	4112889.59	1.82E-05	3.32E-05	1.82E-06	2.82E-06	5.44E-06	2.73E-07	2.75E-06	4.68E-06	3.47E-07	1.56E-06	2.58E-06	8.56E-08
5703	742901.11	4112894.19	1.86E-05	3.39E-05	1.86E-06	2.89E-06	5.56E-06	2.79E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.75E-08
5704	742877.5	4112898.79	1.91E-05	3.47E-05	1.91E-06	2.96E-06	5.70E-06	2.86E-07	2.88E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.96E-08
5705	742853.88	4112903.39	1.95E-05	3.56E-05	1.95E-06	3.03E-06	5.84E-06	2.93E-07	2.95E-06	5.02E-06	3.72E-07	1.67E-06	2.77E-06	9.18E-08
5706	742830.27	4112908	2.00E-05	3.65E-05	2.00E-06	3.11E-06	5.99E-06	3.01E-07	3.02E-06	5.15E-06	3.82E-07	1.72E-06	2.84E-06	9.42E-08
5707	742806.66	4112912.6	2.06E-05	3.75E-05	2.06E-06	3.19E-06	6.14E-06	3.09E-07	3.10E-06	5.28E-06	3.92E-07	1.76E-06	2.91E-06	9.66E-08
5708	742783.05	4112917.2	2.11E-05	3.84E-05	2.11E-06	3.27E-06	6.30E-06	3.16E-07	3.18E-06	5.42E-06	4.02E-07	1.81E-06	2.99E-06	9.91E-08
5709	742759.43	4112921.8	2.16E-05	3.94E-05	2.16E-06	3.35E-06	6.46E-06	3.24E-07	3.26E-06	5.56E-06	4.12E-07	1.85E-06	3.06E-06	1.02E-07
5710	742735.82	4112926.4	2.22E-05	4.04E-05	2.22E-06	3.43E-06	6.62E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
5711	742712.21	4112931	2.27E-05	4.13E-05	2.27E-06	3.51E-06	6.77E-06	3.40E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.21E-06	1.07E-07
5712	742688.6	4112935.61	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.47E-07	3.49E-06	5.95E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
5713	742664.99	4112940.21	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5714	742641.37	4112944.81	2.40E-05	4.37E-05	2.40E-06	3.72E-06	7.17E-06	3.60E-07	3.62E-06	6.17E-06	4.57E-07	2.06E-06	3.40E-06	1.13E-07
5715	742617.76	4112949.41	2.43E-05	4.44E-05	2.44E-06	3.78E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
5716	742594.15	4112954.01	2.46E-05	4.49E-05	2.46E-06	3.82E-06	7.36E-06	3.70E-07	3.71E-06	6.33E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
5717	742570.54	4112958.62	2.48E-05	4.53E-05	2.49E-06	3.85E-06	7.42E-06	3.73E-07	3.75E-06	6.39E-06	4.73E-07	2.13E-06	3.52E-06	1.17E-07
5718	742546.92	4112963.22	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.43E-06	4.76E-07	2.14E-06	3.54E-06	1.17E-07
5719	742523.31	4112967.82	2.51E-05	4.58E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.46E-06	4.79E-07	2.15E-06	3.56E-06	1.18E-07
5720	742499.7	4112972.42	2.52E-05	4.58E-05	2.52E-06	3.90E-06	7.52E-06	3.78E-07	3.79E-06	6.47E-06	4.79E-07	2.16E-06	3.57E-06	1.18E-07
5721	742476.09	4112977.02	2.51E-05	4.58E-05	2.52E-06	3.90E-06	7.51E-06	3.77E-07	3.79E-06	6.46E-06	4.79E-07	2.15E-06	3.57E-06	1.18E-07
5722	742452.47	4112981.62	2.51E-05	4.57E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.45E-06	4.78E-07	2.15E-06	3.56E-06	1.18E-07
5723	742428.86	4112986.23	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.48E-06	3.76E-07	3.78E-06	6.44E-06	4.77E-07	2.15E-06	3.55E-06	1.18E-07
5724	742405.25	4112990.83	2.49E-05	4.54E-05	2.49E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07
5725	742381.64	4112995.43	2.48E-05	4.53E-05	2.48E-06	3.85E-06	7.42E-06	3.73E-07	3.74E-06	6.38E-06	4.73E-07	2.13E-06	3.52E-06	1.17E-07
5726	742358.03	4113000.03	2.47E-05	4.50E-05	2.47E-06	3.83E-06	7.39E-06	3.71E-07	3.73E-06	6.36E-06	4.71E-07	2.12E-06	3.51E-06	1.16E-07
5727	742334.41	4113004.63	2.46E-05	4.49E-05	2.46E-06	3.82E-06	7.36E-06	3.70E-07	3.71E-06	6.33E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
5728	742310.8	4113009.23	2.45E-05	4.47E-05	2.45E-06	3.80E-06	7.33E-06	3.68E-07	3.70E-06	6.30E-06	4.67E-07	2.10E-06	3.48E-06	1.15E-07
5729	742287.19	4113013.84	2.44E-05	4.45E-05	2.45E-06	3.79E-06	7.30E-06	3.67E-07	3.69E-06	6.28E-06	4.66E-07	2.09E-06	3.47E-06	1.15E-07
5730	742263.58	4113018.44	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.29E-06	3.66E-07	3.68E-06	6.27E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
5731	742239.96	4113023.04	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.15E-07
5732	742216.35	4113027.64	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
5733	742192.74	4113032.24	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.68E-06	6.27E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
5734	742169.13	4113036.84	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.30E-06	3.67E-07	3.68E-06	6.28E-06	4.66E-07	2.09E-06	3.46E-06	1.15E-07
5735	742145.51	4113041.45	2.45E-05	4.47E-05	2.45E-06	3.80E-06	7.33E-06	3.68E-07	3.70E-06	6.30E-06	4.67E-07	2.10E-06	3.48E-06	1.15E-07
5736	742121.9	4113046.05	2.46E-05	4.49E-05	2.46E-06	3.82E-06	7.36E-06	3.70E-07	3.71E-06	6.33E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
5737	742098.29	4113050.65	2.48E-05	4.52E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.74E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
5738	742074.68	4113055.25	2.49E-05	4.55E-05	2.50E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07
5739	742051.07	4113059.85	2.51E-05	4.58E-05	2.52E-06	3.90E-06	7.51E-06	3.77E-07	3.79E-06	6.46E-06	4.79E-07	2.15E-06	3.57E-06	1.18E-07
5740	742027.45	4113064.46	2.54E-05	4.62E-05	2.54E-06	3.93E-06	7.58E-06	3.81E-07	3.82E-06	6.52E-06	4.83E-07	2.17E-06	3.60E-06	1.19E-07
5741	742003.84	4113069.06	2.56E-05	4.66E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
5742	741980.23	4113073.66	2.58E-05	4.71E-05	2.59E-06	4.01E-06	7.72E-06	3.88E-07	3.90E-06	6.64E-06	4.92E-07	2.21E-06	3.66E-06	1.21E-07
5743	741956.62	4113078.26	2.61E-05	4.75E-05	2.61E-06	4.05E-06	7.80E-06	3.92E-07	3.93E-06	6.71E-06	4.97E-07	2.24E-06	3.70E-06	1.23E-07
5744	741933	4113082.86	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
5745	741909.39	4113087.46	2.66E-05	4.85E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
5746	741885.78	4113092.07	2.68E-05	4.89E-05	2.69E-06	4.16E-06	8.02E-06	4.03E-07	4.05E-06	6.90E-06	5.11E-07	2.30E-06	3.81E-06	1.26E-07
5747	741862.17	4113096.67	2.71E-05	4.93E-05	2.71E-06	4.20E-06	8.09E-06	4.06E-07	4.08E-06	6.96E-06	5.16E-07	2.32E-06	3.84E-06	1.27E-07

5748	741838.55	4113101.27	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.15E-06	4.10E-07	4.12E-06	7.02E-06	5.20E-07	2.34E-06	3.87E-06	1.28E-07
5749	741814.94	4113105.87	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.13E-07	4.15E-06	7.07E-06	5.24E-07	2.36E-06	3.90E-06	1.29E-07
5750	741791.33	4113110.47	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.27E-06	4.16E-07	4.17E-06	7.12E-06	5.28E-07	2.37E-06	3.93E-06	1.30E-07
5751	741767.72	4113115.07	2.79E-05	5.08E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
5752	741744.11	4113119.68	2.80E-05	5.11E-05	2.80E-06	4.35E-06	8.37E-06	4.21E-07	4.23E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
5753	741720.49	4113124.28	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
5754	741696.88	4113128.88	2.83E-05	5.16E-05	2.83E-06	4.39E-06	8.46E-06	4.25E-07	4.27E-06	7.28E-06	5.39E-07	2.43E-06	4.01E-06	1.33E-07
5755	741673.27	4113133.48	2.84E-05	5.18E-05	2.85E-06	4.41E-06	8.50E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
5756	741649.66	4113138.08	2.86E-05	5.21E-05	2.86E-06	4.43E-06	8.54E-06	4.29E-07	4.31E-06	7.35E-06	5.45E-07	2.45E-06	4.05E-06	1.34E-07
5757	741626.04	4113142.68	2.87E-05	5.24E-05	2.88E-06	4.46E-06	8.59E-06	4.31E-07	4.33E-06	7.39E-06	5.48E-07	2.46E-06	4.08E-06	1.35E-07
5758	741602.43	4113147.29	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
5759	741578.82	4113151.89	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.69E-06	4.36E-07	4.38E-06	7.47E-06	5.54E-07	2.49E-06	4.12E-06	1.37E-07
5760	741555.21	4113156.49	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.74E-06	4.39E-07	4.41E-06	7.52E-06	5.57E-07	2.51E-06	4.15E-06	1.37E-07
5761	741531.59	4113161.09	2.94E-05	5.37E-05	2.95E-06	4.57E-06	8.80E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
5762	741507.98	4113165.69	2.96E-05	5.40E-05	2.97E-06	4.60E-06	8.85E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
5763	741484.37	4113170.3	2.98E-05	5.44E-05	2.99E-06	4.63E-06	8.91E-06	4.48E-07	4.50E-06	7.67E-06	5.69E-07	2.56E-06	4.23E-06	1.40E-07
5764	741460.76	4113174.9	3.00E-05	5.47E-05	3.00E-06	4.65E-06	8.97E-06	4.50E-07	4.53E-06	7.72E-06	5.72E-07	2.57E-06	4.26E-06	1.41E-07
5765	741437.15	4113179.5	3.02E-05	5.50E-05	3.02E-06	4.68E-06	9.02E-06	4.53E-07	4.55E-06	7.76E-06	5.75E-07	2.59E-06	4.28E-06	1.42E-07
5766	741413.53	4113184.1	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.79E-06	5.78E-07	2.60E-06	4.30E-06	1.42E-07
5767	741389.92	4113188.7	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.56E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
5768	741366.31	4113193.3	3.05E-05	5.55E-05	3.05E-06	4.73E-06	9.11E-06	4.57E-07	4.60E-06	7.84E-06	5.81E-07	2.61E-06	4.32E-06	1.43E-07
5769	741342.7	4113197.91	3.05E-05	5.56E-05	3.05E-06	4.73E-06	9.12E-06	4.58E-07	4.60E-06	7.85E-06	5.82E-07	2.62E-06	4.33E-06	1.43E-07
5770	741319.08	4113202.51	3.05E-05	5.56E-05	3.05E-06	4.73E-06	9.12E-06	4.58E-07	4.60E-06	7.84E-06	5.81E-07	2.61E-06	4.33E-06	1.43E-07
5771	741275.68	4113193.44	3.06E-05	5.58E-05	3.06E-06	4.75E-06	9.15E-06	4.59E-07	4.62E-06	7.87E-06	5.83E-07	2.62E-06	4.34E-06	1.44E-07
5772	741255.88	4113179.77	3.07E-05	5.60E-05	3.08E-06	4.77E-06	9.18E-06	4.61E-07	4.63E-06	7.90E-06	5.86E-07	2.63E-06	4.36E-06	1.44E-07
5773	741236.09	4113166.09	3.08E-05	5.62E-05	3.08E-06	4.78E-06	9.21E-06	4.63E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
5774	741216.3	4113152.42	3.09E-05	5.63E-05	3.09E-06	4.79E-06	9.24E-06	4.64E-07	4.66E-06	7.95E-06	5.89E-07	2.65E-06	4.38E-06	1.45E-07
5775	741196.5	4113138.75	3.10E-05	5.65E-05	3.10E-06	4.80E-06	9.26E-06	4.65E-07	4.67E-06	7.96E-06	5.90E-07	2.65E-06	4.39E-06	1.46E-07
5776	741176.71	4113125.08	3.11E-05	5.66E-05	3.11E-06	4.82E-06	9.28E-06	4.66E-07	4.68E-06	7.98E-06	5.92E-07	2.66E-06	4.40E-06	1.46E-07
5777	741156.91	4113111.41	3.11E-05	5.67E-05	3.12E-06	4.83E-06	9.30E-06	4.67E-07	4.70E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
5778	741137.12	4113097.73	3.12E-05	5.69E-05	3.13E-06	4.85E-06	9.34E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
5779	741117.33	4113084.06	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.38E-06	4.71E-07	4.73E-06	8.07E-06	5.98E-07	2.69E-06	4.45E-06	1.48E-07
5780	741097.53	4113070.39	3.15E-05	5.75E-05	3.16E-06	4.89E-06	9.43E-06	4.74E-07	4.76E-06	8.11E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
5781	741077.74	4113056.72	3.17E-05	5.78E-05	3.18E-06	4.92E-06	9.48E-06	4.76E-07	4.79E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
5782	741057.94	4113043.05	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
5783	741038.15	4113029.38	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.86E-06	8.28E-06	6.14E-07	2.76E-06	4.57E-06	1.51E-07
5784	741018.36	4113015.7	3.25E-05	5.92E-05	3.25E-06	5.04E-06	9.70E-06	4.87E-07	4.90E-06	8.35E-06	6.19E-07	2.78E-06	4.60E-06	1.53E-07
5785	740998.56	4113002.03	3.28E-05	5.97E-05	3.28E-06	5.08E-06	9.79E-06	4.92E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.65E-06	1.54E-07
5786	740978.77	4112988.36	3.31E-05	6.02E-05	3.31E-06	5.13E-06	9.88E-06	4.96E-07	4.99E-06	8.50E-06	6.30E-07	2.83E-06	4.69E-06	1.55E-07
5787	740958.98	4112974.69	3.34E-05	6.08E-05	3.34E-06	5.18E-06	9.97E-06	5.01E-07	5.03E-06	8.58E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
5788	740939.18	4112961.02	3.37E-05	6.13E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.65E-06	6.42E-07	2.88E-06	4.77E-06	1.58E-07
5789	740919.39	4112947.34	3.39E-05	6.18E-05	3.40E-06	5.26E-06	1.01E-05	5.09E-07	5.12E-06	8.72E-06	6.47E-07	2.91E-06	4.81E-06	1.59E-07
5790	740899.59	4112933.67	3.42E-05	6.23E-05	3.42E-06	5.30E-06	1.02E-05	5.13E-07	5.15E-06	8.79E-06	6.51E-07	2.93E-06	4.85E-06	1.61E-07
5791	740879.8	4112920	3.44E-05	6.27E-05	3.44E-06	5.33E-06	1.03E-05	5.16E-07	5.19E-06	8.84E-06	6.56E-07	2.95E-06	4.88E-06	1.62E-07
5792	740860.01	4112906.33	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.22E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
5793	740840.21	4112892.66	3.47E-05	6.33E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.92E-06	1.63E-07
5794	740820.42	4112878.98	3.48E-05	6.35E-05	3.48E-06	5.40E-06	1.04E-05	5.23E-07	5.25E-06	8.95E-06	6.64E-07	2.98E-06	4.94E-06	1.64E-07
5795	740800.62	4112865.31	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
5796	740780.83	4112851.64	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
5797	740761.04	4112837.97	3.48E-05	6.34E-05	3.48E-06	5.40E-06	1.04E-05	5.22E-07	5.25E-06	8.95E-06	6.63E-07	2.98E-06	4.93E-06	1.64E-07
5798	740741.24	4112824.3	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.23E-06	8.92E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
5799	740721.45	4112810.63	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.21E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
5800	740701.65	4112796.95	3.43E-05	6.25E-05	3.43E-06	5.32E-06	1.03E-05	5.15E-07	5.18E-06	8.82E-06	6.54E-07	2.94E-06	4.87E-06	1.61E-07
5801	740681.86	4112783.28	3.41E-05	6.21E-05	3.41E-06	5.28E-06	1.02E-05	5.11E-07	5.14E-06	8.76E-06	6.49E-07	2.92E-06	4.83E-06	1.60E-07
5802	740662.07	4112769.61	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.07E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.79E-06	1.59E-07
5803	740642.27	4112755.94	3.35E-05	6.10E-05	3.35E-06	5.19E-06	1.00E-05	5.03E-07	5.05E-06	8.61E-06	6.38E-07	2.87E-06	4.75E-06	1.57E-07
5804	740622.48	4112742.27	3.32E-05	6.04E-05	3.32E-06	5.14E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.70E-06	1.56E-07
5805	740602.69	4112728.59	3.28E-05	5.98E-05	3.29E-06	5.09E-06	9.81E-06	4.93E-07	4.95E-06	8.44E-06	6.26E-07	2.81E-06	4.66E-06	1.54E-07
5806	740582.89	4112714.92	3.25E-05	5.93E-05	3.26E-06	5.05E-06	9.72E-06	4.88E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.61E-06	1.53E-07
5807	740563.1	4112701.25	3.23E-05	5.88E-05	3.23E-06	5.00E-06	9.64E-06	4.84E-07	4.87E-06	8.29E-06	6.15E-07	2.76E-06	4.57E-06	1.52E-07
5808	740543.3	4112687.58	3.20E-05	5.84E-05	3.21E-06	4.97E-06	9.57E-06	4.81E-07	4.83E-06	8.24E-06	6.11E-07	2.75E-06	4.54E-06	1.51E-07
5809	740523.51	4112673.91	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
5810	740503.72	4112660.23	3.18E-05	5.80E-05	3.18E-06	4.93E-06	9.50E-06	4.77E-07	4.80E-06	8.18E-06	6.06E-07	2.73E-06	4.51E-06	1.49E-07
5811	740483.92	4112646.56	3.18E-05	5.80E-05	3.19E-06	4.94E-06	9.51E-06	4.78E-07	4.80E-06	8.18E-06	6.07E-07	2.73E-06	4.51E-06	1.50E-07
5812	740464.13	4112632.89	3.20E-05	5.83E-05	3.20E-06	4.96E-06	9.56E-06	4.80E-07	4.82E-06	8.22E-06	6.10E-07	2.74E-06	4.54E-06	1.50E-07
5813	740444.33	4112619.22	3.23E-05	5.88E-05	3.23E-06	5.00E-06	9.64E-06	4.84E-07	4.87E-06	8.29E-06	6.15E-07	2.76E-06	4.57E-06	1.52E-07
5814	740424.54	4112605.55	3.27E-05	5.95E-05	3.27E-06	5.07E-06	9.76E-06	4.90E-07	4.93E-06	8.40E-06	6.22E-07	2.80E-06	4.63E-06	1.54E-07
5815	740404.75	4112591.87	3.32E-05	6.05E-05	3.32E-06	5.14E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.70E-06	1.56E-07
5816	740384.95	4112578.2	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.07E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.79E-06	1.59E-07
5817	740365.16	4112564.53	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.21E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
5818	740345.37	4112550.86	3.53E-05	6.43E-05	3.53E-06	5.48E-06	1.05E-05	5.30E-07	5.33E-06	9.08E-06	6.73E-07	3.03E-06	5.01E-06	1.66E-07

5819	740325.57	4112537.19	3.62E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.45E-06	9.30E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
5820	740305.78	4112523.52	3.70E-05	6.75E-05	3.71E-06	5.74E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
5821	740285.98	4112509.84	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.74E-06	7.22E-07	3.25E-06	5.37E-06	1.78E-07
5822	740266.19	4112496.17	3.87E-05	7.06E-05	3.88E-06	6.01E-06	1.16E-05	5.81E-07	5.84E-06	9.96E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
5823	740246.4	4112482.5	3.95E-05	7.20E-05	3.95E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.39E-06	5.60E-06	1.86E-07
5824	740226.6	4112468.83	4.02E-05	7.32E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
5825	740206.81	4112455.16	4.08E-05	7.43E-05	4.08E-06	6.32E-06	1.22E-05	6.12E-07	6.15E-06	1.05E-05	7.77E-07	3.49E-06	5.78E-06	1.92E-07
5826	740187.01	4112441.48	4.12E-05	7.52E-05	4.13E-06	6.40E-06	1.23E-05	6.19E-07	6.22E-06	1.06E-05	7.86E-07	3.53E-06	5.85E-06	1.94E-07
5827	740167.22	4112427.81	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
5828	740147.43	4112414.14	4.19E-05	7.63E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.97E-07	3.59E-06	5.93E-06	1.97E-07
5829	740127.63	4112400.47	4.20E-05	7.65E-05	4.20E-06	6.51E-06	1.25E-05	6.30E-07	6.33E-06	1.08E-05	8.00E-07	3.60E-06	5.96E-06	1.97E-07
5830	740107.84	4112386.8	4.21E-05	7.67E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
5831	740088.04	4112373.12	4.21E-05	7.67E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
5832	740068.25	4112359.45	4.20E-05	7.66E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.01E-07	3.60E-06	5.96E-06	1.98E-07
5833	740048.46	4112345.78	4.20E-05	7.65E-05	4.20E-06	6.51E-06	1.25E-05	6.30E-07	6.33E-06	1.08E-05	8.00E-07	3.60E-06	5.95E-06	1.97E-07
5834	740028.66	4112332.11	4.19E-05	7.64E-05	4.19E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.99E-07	3.59E-06	5.94E-06	1.97E-07
5835	740008.87	4112318.44	4.19E-05	7.63E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.98E-07	3.59E-06	5.94E-06	1.97E-07
5836	739989.08	4112304.77	4.19E-05	7.63E-05	4.19E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.98E-07	3.59E-06	5.94E-06	1.97E-07
5837	739969.28	4112291.09	4.19E-05	7.64E-05	4.20E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.99E-07	3.59E-06	5.95E-06	1.97E-07
5838	739949.49	4112277.42	4.21E-05	7.67E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
5839	739929.69	4112263.75	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.62E-06	6.00E-06	1.99E-07
5840	739909.9	4112250.08	4.26E-05	7.76E-05	4.26E-06	6.60E-06	1.27E-05	6.39E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.04E-06	2.00E-07
5841	739890.11	4112236.41	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
5842	739870.31	4112222.73	4.34E-05	7.91E-05	4.35E-06	6.74E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.28E-07	3.72E-06	6.16E-06	2.04E-07
5843	739850.52	4112209.06	4.40E-05	8.01E-05	4.40E-06	6.82E-06	1.31E-05	6.60E-07	6.63E-06	1.13E-05	8.38E-07	3.77E-06	6.23E-06	2.07E-07
5844	739830.72	4112195.39	4.46E-05	8.13E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.50E-07	3.82E-06	6.32E-06	2.10E-07
5845	739810.93	4112181.72	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
5846	739791.14	4112168.05	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
5847	739771.34	4112154.37	4.68E-05	8.52E-05	4.68E-06	7.26E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.92E-07	4.01E-06	6.63E-06	2.20E-07
5848	739751.55	4112140.7	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.17E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
5849	739731.76	4112127.03	4.83E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.25E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.85E-06	2.27E-07
5850	739711.96	4112113.36	4.90E-05	8.93E-05	4.91E-06	7.60E-06	1.46E-05	7.36E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
5851	739692.17	4112099.69	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.04E-06	2.33E-07
5852	739672.37	4112086.02	5.03E-05	9.16E-05	5.03E-06	7.80E-06	1.50E-05	7.55E-07	7.58E-06	1.29E-05	9.58E-07	4.31E-06	7.13E-06	2.36E-07
5853	739652.58	4112072.34	5.08E-05	9.25E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
5854	739632.79	4112058.67	5.12E-05	9.33E-05	5.13E-06	7.94E-06	1.53E-05	7.69E-07	7.72E-06	1.32E-05	9.76E-07	4.39E-06	7.26E-06	2.41E-07
5855	739612.99	4112045	5.16E-05	9.40E-05	5.16E-06	8.00E-06	1.54E-05	7.75E-07	7.78E-06	1.33E-05	9.83E-07	4.42E-06	7.32E-06	2.43E-07
5856	739593.2	4112031.33	5.19E-05	9.46E-05	5.19E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.89E-07	4.45E-06	7.36E-06	2.44E-07
5857	739573.4	4112017.66	5.22E-05	9.51E-05	5.22E-06	8.09E-06	1.56E-05	7.83E-07	7.87E-06	1.34E-05	9.94E-07	4.47E-06	7.40E-06	2.45E-07
5858	739553.61	4112003.98	5.24E-05	9.55E-05	5.24E-06	8.12E-06	1.57E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.43E-06	2.46E-07
5859	739533.82	4111990.31	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.51E-06	7.45E-06	2.47E-07
5860	739514.02	4111976.64	5.27E-05	9.61E-05	5.28E-06	8.18E-06	1.57E-05	7.91E-07	7.95E-06	1.36E-05	1.00E-06	4.52E-06	7.48E-06	2.48E-07
5861	739494.23	4111962.97	5.28E-05	9.62E-05	5.29E-06	8.19E-06	1.58E-05	7.93E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.49E-06	2.48E-07
5862	739474.43	4111949.3	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
5863	739454.64	4111935.62	5.30E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
5864	739434.85	4111921.95	5.30E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
5865	739415.05	4111908.28	5.29E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.54E-06	7.50E-06	2.49E-07
5866	739395.26	4111894.61	5.29E-05	9.63E-05	5.29E-06	8.20E-06	1.58E-05	7.93E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.48E-07
5867	739375.47	4111880.94	5.27E-05	9.61E-05	5.28E-06	8.18E-06	1.58E-05	7.92E-07	7.95E-06	1.36E-05	1.01E-06	4.52E-06	7.48E-06	2.48E-07
5868	739355.67	4111867.27	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.51E-06	7.45E-06	2.47E-07
5869	739335.88	4111853.59	5.24E-05	9.54E-05	5.24E-06	8.12E-06	1.56E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.43E-06	2.46E-07
5870	743656.7	4112746.93	1.54E-05	2.81E-05	1.54E-06	2.39E-06	4.61E-06	2.31E-07	2.33E-06	3.96E-06	2.94E-07	1.32E-06	2.19E-06	7.25E-08
5871	743676.81	4112733.44	1.52E-05	2.77E-05	1.52E-06	2.35E-06	4.53E-06	2.28E-07	2.29E-06	3.90E-06	2.89E-07	1.30E-06	2.15E-06	7.13E-08
5872	743696.92	4112719.95	1.49E-05	2.72E-05	1.49E-06	2.31E-06	4.46E-06	2.24E-07	2.25E-06	3.84E-06	2.84E-07	1.28E-06	2.12E-06	7.01E-08
5873	743717.03	4112706.46	1.47E-05	2.68E-05	1.47E-06	2.28E-06	4.40E-06	2.21E-07	2.22E-06	3.78E-06	2.81E-07	1.26E-06	2.09E-06	6.92E-08
5874	743737.14	4112692.97	1.45E-05	2.64E-05	1.45E-06	2.25E-06	4.33E-06	2.17E-07	2.18E-06	3.72E-06	2.76E-07	1.24E-06	2.05E-06	6.80E-08
5875	743757.25	4112679.47	1.40E-05	2.56E-05	1.41E-06	2.18E-06	4.20E-06	2.11E-07	2.12E-06	3.61E-06	2.68E-07	1.20E-06	1.99E-06	6.60E-08
5876	743777.36	4112665.98	1.38E-05	2.51E-05	1.38E-06	2.14E-06	4.12E-06	2.07E-07	2.08E-06	3.54E-06	2.63E-07	1.18E-06	1.95E-06	6.47E-08
5877	743797.47	4112652.49	1.35E-05	2.46E-05	1.35E-06	2.10E-06	4.04E-06	2.03E-07	2.04E-06	3.48E-06	2.58E-07	1.16E-06	1.92E-06	6.35E-08
5878	743817.58	4112639	1.33E-05	2.42E-05	1.33E-06	2.06E-06	3.97E-06	2.00E-07	2.01E-06	3.42E-06	2.53E-07	1.14E-06	1.89E-06	6.25E-08
5879	743837.69	4112625.5	1.31E-05	2.39E-05	1.31E-06	2.04E-06	3.93E-06	1.97E-07	1.98E-06	3.38E-06	2.50E-07	1.13E-06	1.86E-06	6.18E-08
5880	743857.8	4112612.01	1.30E-05	2.38E-05	1.30E-06	2.02E-06	3.90E-06	1.96E-07	1.97E-06	3.35E-06	2.48E-07	1.12E-06	1.85E-06	6.13E-08
5881	743877.91	4112598.52	1.30E-05	2.37E-05	1.30E-06	2.02E-06	3.89E-06	1.95E-07	1.96E-06	3.34E-06	2.48E-07	1.11E-06	1.84E-06	6.11E-08
5882	743898.02	4112585.03	1.31E-05	2.38E-05	1.31E-06	2.03E-06	3.90E-06	1.96E-07	1.97E-06	3.36E-06	2.49E-07	1.12E-06	1.85E-06	6.14E-08
5883	743918.13	4112571.53	1.32E-05	2.40E-05	1.32E-06	2.05E-06	3.94E-06	1.98E-07	1.99E-06	3.39E-06	2.51E-07	1.13E-06	1.87E-06	6.20E-08

			T2			5		T2L3				T4I				T4F			
			1	742157.60	4109901.96														
						6.02E-07				9.66E-08				8.80E-08				4.79E-08
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	742157.6	4109901.96	2.06E-07	3.76E-07	2.06E-08	6.02E-07	3.20E-08	6.16E-08	3.09E-09	9.66E-08	3.11E-08	5.30E-08	3.93E-09	8.80E-08	1.77E-08	2.92E-08	9.69E-10	4.79E-08
2	742144.05	4109881.59	1.71E-07	3.12E-07	1.71E-08	5.00E-07	2.66E-08	5.12E-08	2.57E-09	8.03E-08	2.58E-08	4.40E-08	3.26E-09	7.31E-08	1.47E-08	2.43E-08	8.05E-10	3.98E-08
3	742130.5	4109861.23	1.47E-07	2.69E-07	1.48E-08	4.31E-07	2.29E-08	4.41E-08	2.21E-09	6.91E-08	2.22E-08	3.79E-08	2.81E-09	6.29E-08	1.26E-08	2.09E-08	6.93E-10	3.42E-08
4	742116.95	4109840.87	1.20E-07	2.19E-07	1.20E-08	3.51E-07	1.86E-08	3.58E-08	1.80E-09	5.62E-08	1.81E-08	3.08E-08	2.29E-09	5.12E-08	1.03E-08	1.70E-08	5.64E-10	2.78E-08
5	742236.31	4109988.28	1.15E-07	2.09E-07	1.15E-08	3.36E-07	1.78E-08	3.43E-08	1.73E-09	5.39E-08	1.73E-08	2.95E-08	2.19E-09	4.91E-08	9.85E-09	1.63E-08	5.40E-10	2.67E-08
6	742229.43	4110022.89	7.04E-08	1.28E-07	7.04E-09	2.06E-07	1.09E-08	2.10E-08	1.06E-09	3.30E-08	1.06E-08	1.81E-08	1.34E-09	3.01E-08	6.03E-09	9.98E-09	3.31E-10	1.63E-08
7	742178.41	4109888.11	1.72E-07	3.14E-07	1.72E-08	5.04E-07	2.67E-08	5.15E-08	2.59E-09	8.08E-08	2.60E-08	4.43E-08	3.28E-09	7.36E-08	1.48E-08	2.44E-08	8.10E-10	4.00E-08
8	742164.86	4109867.74	1.35E-07	2.46E-07	1.35E-08	3.95E-07	2.10E-08	4.04E-08	2.03E-09	6.34E-08	2.04E-08	3.48E-08	2.58E-09	5.77E-08	1.16E-08	1.92E-08	6.36E-10	3.14E-08
9	742151.31	4109847.38	1.13E-07	2.07E-07	1.13E-08	3.31E-07	1.76E-08	3.39E-08	1.70E-09	5.32E-08	1.71E-08	2.91E-08	2.16E-09	4.84E-08	9.71E-09	1.61E-08	5.33E-10	2.63E-08
10	742137.77	4109827.02	9.23E-08	1.68E-07	9.23E-09	2.70E-07	1.43E-08	2.76E-08	1.38E-09	4.33E-08	1.39E-08	2.37E-08	1.76E-09	3.94E-08	7.91E-09	1.31E-08	4.34E-10	2.14E-08
11	742257.13	4109974.43	1.12E-07	2.03E-07	1.12E-08	3.26E-07	1.73E-08	3.33E-08	1.67E-09	5.23E-08	1.68E-08	2.87E-08	2.13E-09	4.76E-08	9.56E-09	1.58E-08	5.24E-10	2.59E-08
12	742253.95	4110027.77	5.22E-08	9.52E-08	5.23E-09	1.53E-07	8.10E-09	1.56E-08	7.84E-10	2.45E-08	7.88E-09	1.34E-08	9.95E-10	2.23E-08	4.48E-09	7.41E-09	2.45E-10	1.21E-08
13	742199.22	4109874.26	1.47E-07	2.68E-07	1.47E-08	4.30E-07	2.28E-08	4.39E-08	2.21E-09	6.89E-08	2.22E-08	3.78E-08	2.80E-09	6.28E-08	1.26E-08	2.08E-08	6.91E-10	3.41E-08
14	742185.68	4109853.9	1.11E-07	2.02E-07	1.11E-08	3.24E-07	1.72E-08	3.31E-08	1.66E-09	5.20E-08	1.67E-08	2.85E-08	2.11E-09	4.73E-08	9.50E-09	1.57E-08	5.21E-10	2.57E-08
15	742172.13	4109833.53	9.16E-08	1.67E-07	9.16E-09	2.68E-07	1.42E-08	2.74E-08	1.37E-09	4.29E-08	1.38E-08	2.35E-08	1.74E-09	3.91E-08	7.85E-09	1.30E-08	4.30E-10	2.13E-08
16	742158.58	4109813.17	7.50E-08	1.37E-07	7.51E-09	2.19E-07	1.16E-08	2.24E-08	1.13E-09	3.52E-08	1.13E-08	1.93E-08	1.43E-09	3.20E-08	6.43E-09	1.06E-08	3.53E-10	1.74E-08
17	742277.94	4109960.58	1.06E-07	1.93E-07	1.06E-08	3.10E-07	1.64E-08	3.17E-08	1.59E-09	4.97E-08	1.60E-08	2.72E-08	2.02E-09	4.53E-08	9.08E-09	1.50E-08	4.98E-10	2.46E-08
18	742285.35	4109998.03	5.47E-08	9.96E-08	5.47E-09	1.60E-07	8.48E-09	1.63E-08	8.20E-10	2.56E-08	8.24E-09	1.41E-08	1.04E-09	2.33E-08	4.68E-09	7.75E-09	2.57E-10	1.27E-08
19	742278.47	4110032.64	4.01E-08	7.31E-08	4.01E-09	1.17E-07	6.22E-09	1.20E-08	6.02E-10	1.88E-08	6.05E-09	1.03E-08	7.64E-10	1.71E-08	3.44E-09	5.69E-09	1.89E-10	9.31E-09
20	742257.29	4110064.41	3.48E-08	6.34E-08	3.48E-09	1.02E-07	5.39E-09	1.04E-08	5.22E-10	1.63E-08	5.24E-09	8.94E-09	6.63E-10	1.48E-08	2.98E-09	4.93E-09	1.63E-10	8.08E-09
21	742220.04	4109860.41	1.25E-07	2.28E-07	1.25E-08	3.65E-07	1.94E-08	3.74E-08	1.88E-09	5.86E-08	1.89E-08	3.21E-08	2.38E-09	5.34E-08	1.07E-08	1.77E-08	5.88E-10	2.90E-08
22	742206.49	4109840.05	9.29E-08	1.69E-07	9.30E-09	2.72E-07	1.44E-08	2.78E-08	1.39E-09	4.36E-08	1.40E-08	2.39E-08	1.77E-09	3.97E-08	7.96E-09	1.32E-08	4.37E-10	2.16E-08
23	742192.94	4109819.68	7.65E-08	1.39E-07	7.66E-09	2.24E-07	1.19E-08	2.29E-08	1.15E-09	3.59E-08	1.15E-08	1.97E-08	1.46E-09	3.27E-08	6.56E-09	1.09E-08	3.60E-10	1.78E-08
24	742179.39	4109799.32	6.32E-08	1.15E-07	6.33E-09	1.85E-07	9.80E-09	1.89E-08	9.49E-10	2.96E-08	9.53E-09	1.63E-08	1.20E-09	2.70E-08	5.42E-09	8.96E-09	2.97E-10	1.47E-08
25	742320.31	4109936.63	8.16E-08	1.49E-07	8.16E-09	2.38E-07	1.27E-08	2.44E-08	1.22E-09	3.83E-08	1.23E-08	2.10E-08	1.55E-09	3.48E-08	6.99E-09	1.16E-08	3.83E-10	1.89E-08
26	742324.75	4109959.1	5.67E-08	1.03E-07	5.67E-09	1.66E-07	8.79E-09	1.69E-08	8.50E-10	2.66E-08	8.54E-09	1.46E-08	1.08E-09	2.42E-08	4.85E-09	8.03E-09	2.66E-10	1.32E-08
27	742329.2	4109981.57	4.25E-08	7.75E-08	4.26E-09	1.24E-07	6.59E-09	1.27E-08	6.38E-10	1.99E-08	6.41E-09	1.09E-08	8.10E-10	1.82E-08	3.64E-09	6.03E-09	2.00E-10	9.87E-09
28	742333.65	4110004.04	3.35E-08	6.11E-08	3.35E-09	9.80E-08	5.20E-09	1.00E-08	5.03E-10	1.57E-08	5.06E-09	8.62E-09	6.39E-10	1.43E-08	2.87E-09	4.75E-09	1.58E-10	7.78E-09
29	742325.39	4110045.57	2.57E-08	4.68E-08	2.57E-09	7.50E-08	3.98E-09	7.67E-09	3.85E-10	1.20E-08	3.87E-09	6.60E-09	4.89E-10	1.10E-08	2.20E-09	3.64E-09	1.21E-10	5.96E-09
30	742312.68	4110064.63	2.41E-08	4.40E-08	2.41E-09	7.05E-08	3.74E-09	7.21E-09	3.62E-10	1.13E-08	3.64E-09	6.20E-09	4.60E-10	1.03E-08	2.07E-09	3.42E-09	1.13E-10	5.60E-09
31	742299.97	4110083.69	2.26E-08	4.12E-08	2.26E-09	6.61E-08	3.51E-09	6.76E-09	3.40E-10	1.06E-08	3.41E-09	5.82E-09	4.31E-10	9.66E-09	1.94E-09	3.21E-09	1.06E-10	5.25E-09
32	742287.26	4110102.75	2.12E-08	3.87E-08	2.12E-09	6.20E-08	3.29E-09	6.34E-09	3.19E-10	9.95E-09	3.20E-09	5.46E-09	4.05E-10	9.06E-09	1.82E-09	3.01E-09	9.98E-11	4.93E-09
33	742319.5	4109887.29	1.48E-07	2.70E-07	1.49E-08	4.34E-07	2.30E-08	4.43E-08	2.23E-09	6.96E-08	2.24E-08	3.82E-08	2.83E-09	6.34E-08	1.27E-08	2.10E-08	6.97E-10	3.45E-08
34	742305.95	4109866.93	1.57E-07	2.86E-07	1.57E-08	4.58E-07	2.43E-08	4.68E-08	2.35E-09	7.35E-08	2.36E-08	4.03E-08	2.99E-09	6.69E-08	1.34E-08	2.22E-08	7.37E-10	3.64E-08
35	742285.44	4109848.89	1.38E-07	2.51E-07	1.38E-08	4.03E-07	2.14E-08	4.12E-08	2.07E-09	6.46E-08	2.08E-08	3.54E-08	2.63E-09	5.88E-08	1.18E-08	1.95E-08	6.47E-10	3.20E-08
36	742271.89	4109828.53	8.84E-08	1.61E-07	8.85E-09	2.58E-07	1.37E-08	2.64E-08	1.33E-09	4.15E-08	1.33E-08	2.27E-08	1.69E-09	3.78E-08	7.58E-09	1.25E-08	4.16E-10	2.05E-08
37	742258.34	4109808.16	6.64E-08	1.21E-07	6.65E-09	1.94E-07	1.03E-08	1.98E-08	9.97E-10	3.11E-08	1.00E-08	1.71E-08	1.27E-09	2.84E-08	5.69E-09	9.42E-09	3.12E-10	1.54E-08
38	742234.57	4109791.99	5.71E-08	1.04E-07	5.71E-09	1.67E-07	8.85E-09	1.70E-08	8.56E-10	2.67E-08	8.60E-09	1.47E-08	1.09E-09	2.44E-08	4.89E-09	8.09E-09	2.68E-10	1.32E-08
39	742221.02	4109771.62	4.77E-08	8.70E-08	4.78E-09	1.40E-07	7.40E-09	1.43E-08	7.17E-10	2.24E-08	7.20E-09	1.23E-08	9.10E-10	2.04E-08	4.09E-09	6.77E-09	2.24E-10	1.11E-08
40	742207.47	4109751.26	3.94E-08	7.17E-08	3.94E-09	1.15E-07	6.10E-09	1.18E-08	5.91E-10	1.84E-08	5.93E-09	1.01E-08	7.50E-10	1.68E-08	3.37E-09	5.58E-09	1.85E-10	9.14E-09
41	742361.72	4109907.86	6.06E-08	1.10E-07	6.07E-09	1.77E-07	9.40E-09	1.81E-08	9.10E-10	2.84E-08	9.14E-09	1.56E-08	1.16E-09	2.59E-08	5.20E-09	8.60E-09	2.85E-10	1.41E-08
42	742370.19	4109950.66	3.83E-08	6.98E-08	3.83E-09	1.12E-07	5.94E-09	1.14E-08	5.75E-10	1.80E-08	5.78E-09	9.85E-09	7.30E-10	1.64E-08	3.28E-09	5.43E-09	1.80E-10	8.89E-09
43	742378.67	4109993.47	2.62E-08	4.78E-08	2.63E-09	7.67E-08	4.07E-09	7.84E-09	3.94E-10	1.23E-08	3.96E-09	6.75E-09	5.00E-10	1.12E-08	2.25E-09	3.72E-09	1.23E-10	6.09E-09
44	742375.03	4110054.42	1.83E-08	3.34E-08	1.83E-09	5.36E-08	2.84E-09	5.48E-09	2.75E-10	8.60E-09	2.76E-09	4.71E-09	3.49E-10	7.83E-09	1.57E-09	2.60E-09	8.62E-11	4.26E-09
45	742350.82	4110090.73	1.66E-08	3.03E-08	1.66E-09	4.86E-08	2.58E-09	4.97E-09	2.50E-10	7.80E-09	2.51E-09	4.28E-09	3.17E-10	7.10E-09	1.43E-09	2.36E-09	7.82E-11	3.86E-09
46	742326.62	4110127.03	1.51E-08	2.75E-08	1.51E-09	4.40E-08	2.34E-09	4.50E-09	2.26E-10	7.07E-09	2.27E-09	3.87E-09	2.87E-10	6.44E-09	1.29E-09	2.14E-09	7.08E-11	3.50E-09
47	742343.94	4109866.09	9.30E-08	1.69E-07	9.31E-09	2.72E-07	1.44E-08	2.78E-08	1.40E-09	4.36E-08	1.40E-08	2.39E-08	1.77E-09	3.97E-08	7.97E-09	1.32E-08	4.37E-10	2.16E-08
48	742330.39	4109845.73	9.61E-08	1.75E-07	9.61E-09	2.81E-07	1.49E-08	2.87E-08	1.44E-09	4.50E-08	1.45E-08	2.47E-08	1.83E-09	4.10E-08	8.23E-09	1.36E-08	4.51E-10	2.23E-08
49	742316.84	4109825.37	8.34E-08	1.52E-07	8.34E-09	2.44E-07	1.29E-08	2.49E-08	1.25E-09	3.91E-08	1.26E-08	2.14E-08	1.59E-09	3.56E-08	7.15E-09	1.18E-08	3.92E-10	1.94E-08
50	742303.29	4109805.01	6.58E-08	1.20E-07	6.58E-09	1.92E-07	1.02E-08	1.96E-08	9.87E-10	3.08E-08	9.92E-09	1.69E-08	1.25E-09	2.81E-08	5.64E-09	9.33E-09	3.09E-10	1.53E-08
51	742289.74	4109784.65	5.29E-08	9.64E-08	5.30E-09	1.55E-07	8.21E-09	1.58E-08	7.94E-10	2.48E-08	7.98E-09	1.36E-08	1.01E-09	2.26E-08	4.53E-09	7.50E-09	2.49E-10	1.23E-08
52	742276.19	4109764.29	4.44E-08	8.09E-08	4.45E-09	1.30E-07	6.89E-09	1.33E-08	6.67E-10	2.08E-08	6.70E-09	1.14E-08	8.47E-10	1.90E-08	3.81E-09	6.30E-09	2.09E-10	1.03E-08
53	742262.64	4109743.93	3.78E-08	6.88E-08	3.78E-09	1.10E-07	5.86E-09	1.13E-08	5.67E-10	1.77E-08	5.70E-09	9.71E-09	7.20E-10	1.61E-08	3.24E-09	5.36E-09	1.77E-10	8.77E-09
54	742249.1	4109723.56	3.19E-08	5.82E-08	3.19E-09	9.33E-08	4.95E-09	9.54E-09	4.79E-10	1.50E-08	4.81E-09	8.21E-09	6.08E-10	1.36E-08	2.74E-09	4.53E-09	1.50E-10	7.41E-09
55	742403.75	4109882.16	4.27E-08	7.77E-08	4.27E-09	1.25E-07	6.61E-09	1.27E-08	6.40E-10	2.00E-08	6.43E-09	1.10E-08	8.13E-10	1.82E-08	3.65E-09	6.05E-09	2.00E-10	9.90E-09
56	742408.38	4109905.57	3.62E-08	6.60E-08	3.63E-09	1.06E-07	5.62E-09	1.08E-08	5.44E-10	1.70E-08	5.46E-09	9.31E-09	6.90E-10	1.55E-08	3.10E-09	5.14E-09	1.70E-10	8.41E-09
57	742413.01	4109928.98	3.04E-08	5.53E-08	3.04E-09	8.88E-08	4.71E-09	9.07E-09	4.56E-10	1.42E-08	4.58E-09	7.81E-09	5.79E-10	1.30E-08	2.60E-09	4.31E-09	1.43E-10	7.05E-09
58	742417.64	4109952.39	2.56E-08	4.66E-08	2.56E-09	7.48E-08	3.97E-09	7.65E-09	3.84E-10	1.20E-08	3.86E-09	6.58E-09	4.88E-10	1.09E-08	2.19E-09	3.63E-09	1.20E-10	5.94E-09
59	742422.28	4109975.8	2.18E-08	3.97E-08	2.18E-09	6.37E-08	3.38E-09	6.51E-09	3.27E-10	1.02E-08	3.29E-09	5.60E-09	4.15E-10	9.30E-09	1.87E-09	3.09E-09	1.02E-10	5.06E-09
60	742426.91	4109999.21	1.87E-08	3.41E-08	1.87E-09	5.47E-08	2.90E-09	5.60E-09	2.81E-10	8.78E-09	2.82E-09	4.81E-09	3.57E-10	8.00E-09	1.60E-09	2.66E-09	8.80E-11	4.35E-09
61	742431.54	4110022.62	1.63E-08	2.96E-08	1.63E-09	4.75E-08	2.52E-09	4.86E-09	2.44E-10	7.62E-09	2.45E-09	4.18E-09	3.10E-10	6.94E-09	1.39E-09	2.31E-09	7.64E-11	3.78E-09
62	742422.94	4110065.88	1.38E-08	2.51E-08	1.38E-09	4.03E-08	2.14E-09	4.12E-09	2.07E-10	6.47E-09	2.08E-09	3.55E-09	2.63E-10	5.89E-09	1.18E-09	1.96E-09	6.48E-11	3.20E-09
63	742409.7	4110085.73	1.32E-08	2.41E-08	1.33E-09	3.87E-08	2.05E-09	3.96E-09	1.99E-10	6.21E-09	2.00E-09	3.41E-09	2.52E-10	5.66E-09	1.14E-09	1.88E-09	6.23E-11	3.08E-09
64	742396.46	4110105.59	1.27E-08	2.31E-08	1.27E-09	3.70E-08	1.96E-09	3.78E-09	1.90E-10	5.94E-09	1.91E-09	3.26E-09	2.41E-10	5.41E-09	1.09E-09	1.80E-09	5.95E-11	2.94E-09
65	742383.22	4110125.44	1.21E-08	2.20E-08	1.21E-09	3.53E-08	1.88E-09	3.61E-09	1.82E-10	5.67E-09	1.82E-09	3.11E-09	2.30E-10	5.16E-09	1.04E-09	1.71E-09	5.68E-11	2.81E-09
66	742369.98	4110145.29	1.16E-08	2.11E-08	1.16E-09	3.38E-08	1.79E-09	3.45E-09	1.73E-10	5.42E-09	1.74E-09	2.97E-09	2.20E-10	4.93E-09	9.90E-10	1.64E-09	5.43E-11	2.68E-09
67	742356.74	4110165.15	1.10E-08	2.01E-08	1.10E-09	3.23E-08	1.71E-09	3.30E-09	1.66E-10	5.18E-09	1.67E-09	2.84E-09	2.10E-10	4.71E-09	9.46E-10	1.57E-09	5.19E-11	2.56E-09
68	742343.51	4110185	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.02E-10	1.49E-09	4.95E-11	2.44E-09
69	742399.11	4109858.75	4.83E-08	8.81E-08	4.84E-09	1.41E-07	7.49E-09	1.44E-08	7.25E-10	2.27E-08	7.29E-09	1.24E-08	9.21E-10	2.06E-08	4.14E-09	6.85E-09	2.27E-10	1.12E-08
70	742385.56	4109838.39	5.56E-08	1.01E-07	5.57E-09	1.63E-07	8.63E-09	1.66E-08	8.35E-10	2.61E-08	8.39E-09	1.43E-08	1.06E-09	2.37E-08	4.77E-09	7.89E-09	2.61E-10	1.29E-08
71	742372.01	4109818.03	5.80E-08	1.06E-07	5.80E-09	1.69E-07	8.99E-09	1.73E-08	8.70E-10	2.72E-08	8.74E-09	1.49E-08	1.10E-09	2.48E-08	4.97E-09	8.22E-09	2.73E-10	1.35E-08
72	742358.47	4109797.67	5.45E-08	9.94E-08	5.46E-09	1.59E-07	8.46E-09	1.63E-08	8.18E-10	2.56E-08	8.22E-09	1.40E-08	1.04E-09	2.33E-08	4.67E-09	7.73E-09	2.56E-10	1.27E-08
73	742344.92	4109777.31	4.79E-08	8.72E-08	4.79E-09	1.40E-07	7.42E-09	1.43E-08	7.18E-10	2.24E-08	7.22E-09	1.23E-08	9.12E-10	2.04E-08	4.10E-09	6.79E-09	2.25E-10	1.11E-08
74	742331.37	4109756.95	4.11E-08	7.48E-08	4.11E-09	1.20E-07	6.37E-09	1.23E-08	6.16E-10	1.93E-08	6.19E-09	1.06E-08	7.83E-10	1.75E-08	3.52E-09	5.82E-09	1.93E-10	9.53E-09
75	742317.82	4109736.59	3.54E-08	6.45E-08	3.54E-09	1.03E-07	5.49E-09	1.06E-08	5.31E-10	1.66E-08	5.34E-09	9.09E-09	6.74E-10	1.51E-08	3.03E-09	5.02E-09	1.66E-10	8.21E-09
76	742304.27	4109716.23	3.06E-08	5.58E-08	3.06E-09	8.95E-08	4.75E-09	9.15E-09	4.60E-10	1.44E-08	4.62E-09	7.87E-09	5.84E-10	1.31E-08	2.62E-09	4.34E-09	1.44E-10	7.11E-09
77	742290.72	4109695.86	2.64E-08	4.81E-08	2.64E-09	7.72E-08	4.09E-09	7.89E-09	3.96E-10	1.24E-08	3.98E-09	6.79E-09	5.03E-10	1.13E-08	2.26E-09	3.74E-09	1.24E-10	6.13E-09
78	742445.19	4109853.53	3.22E-08	5.86E-08	3.22E-09	9.40E-08	4.99E-09	9.61E-09	4.83E-10	1.51E-08	4.85E-09	8.27E-09	6.13E-10	1.37E-08	2.76E-09	4.56E-09	1.51E-10	7.47E-09
79	742449.63	4109876	2.89E-08	5.26E-08	2.89E-09	8.44E-08	4.48E-09	8.63E-09	4.33E-10	1.35E-08	4.35E-09	7.42E-09	5.50E-10	1.23E-08	2.47E-09	4.09E-09	1.36E-10	6.70E-09
80	742454.08	4109898.47	2.55E-08	4.65E-08	2.55E-09	7.45E-08	3.96E-09	7.62E-09	3.83E-10	1.20E-08	3.85E-09	6.56E-09	4.86E-10	1.09E-08	2.19E-09	3.62E-09	1.20E-10	5.92E-09
81	742458.53	4109920.95	2.24E-08	4.07E-08	2.24E-09	6.53E-08	3.47E-09	6.68E-09	3.36E-10	1.05E-08	3.37E-09	5.75E-09	4.26E-10	9.55E-09	1.92E-09	3.17E-09	1.05E-10	5.19E-09
82	742462.98	4109943.42	1.96E-08	3.57E-08	1.96E-09	5.73E-08	3.04E-09	5.86E-09	2.94E-10	9.19E-09	2.96E-09	5.04E-09	3.74E-10	8.37E-09	1.68E-09	2.78E-09	9.21E-11	4.55E-09
83	742467.42	4109965.89	1.73E-08	3.15E-08	1.73E-09	5.05E-08	2.68E-09	5.17E-09	2.60E-10	8.11E-09	2.61E-09	4.44E-09	3.29E-10	7.38E-09	1.48E-09	2.45E-09	8.13E-11	4.01E-09
84	742471.87	4109988.36	1.53E-08	2.79E-08	1.53E-09	4.48E-08	2.38E-09	4.58E-09	2.30E-10	7.19E-09	2.31E-09	3.94E-09	2.92E-10	6.54E-09	1.31E-09	2.17E-09	7.20E-11	3.56E-09
85	742476.32	4110010.83	1.37E-08	2.49E-08	1.37E-09	3.99E-08	2.12E-09	4.08E-09	2.05E-10	6.41E-09	2.06E-09	3.51E-09	2.60E-10	5.83E-09	1.17E-09	1.94E-09	6.42E-11	3.17E-09
86	742480.77	4110033.31	1.22E-08	2.23E-08	1.22E-09	3.57E-08	1.90E-09	3.65E-09	1.83E-10	5.73E-09	1.84E-09	3.14E-09	2.33E-10	5.22E-09	1.05E-09	1.73E-09	5.74E-11	2.84E-09
87	742472.51	4110074.84	1.08E-08	1.97E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.06E-09	1.63E-09	2.77E-09	2.06E-10	4.61E-09	9.25E-10	1.53E-09	5.07E-11	2.51E-09
88	742459.8	4110093.9	1.05E-08	1.92E-08	1.05E-09	3.08E-08	1.63E-09	3.15E-09	1.58E-10	4.94E-09	1.59E-09	2.71E-09	2.01E-10	4.50E-09	9.02E-10	1.49E-09	4.95E-11	2.45E-09
89	742447.09	4110112.96	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.78E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.74E-10	1.45E-09	4.79E-11	2.37E-09
90	742434.38	4110132.02	9.82E-09	1.79E-08	9.83E-10	2.87E-08	1.52E-09	2.93E-09	1.47E-10	4.61E-09	1.48E-09	2.53E-09	1.87E-10	4.19E-09	8.42E-10	1.39E-09	4.62E-11	2.28E-09
91	742421.67	4110151.08	9.46E-09	1.72E-08	9.46E-10	2.76E-08	1.47E-09	2.83E-09	1.42E-10	4.43E-09	1.43E-09	2.43E-09	1.80E-10	4.04E-09	8.10E-10	1.34E-09	4.44E-11	2.20E-09
92	742408.96	4110170.14	9.11E-09	1.66E-08	9.11E-10	2.66E-08	1.41E-09	2.72E-09	1.37E-10	4.27E-09	1.37E-09	2.34E-09	1.74E-10	3.89E-09	7.80E-10	1.29E-09	4.28E-11	2.11E-09

93	742396.25	4110189.2	8.76E-09	1.60E-08	8.77E-10	2.56E-08	1.36E-09	2.62E-09	1.32E-10	4.11E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.51E-10	1.24E-09	4.12E-11	2.03E-09
94	742383.54	4110208.26	8.41E-09	1.53E-08	8.42E-10	2.46E-08	1.30E-09	2.51E-09	1.26E-10	3.94E-09	1.27E-09	2.16E-09	1.60E-10	3.59E-09	7.21E-10	1.19E-09	3.95E-11	1.95E-09
95	742370.83	4110227.31	8.03E-09	1.46E-08	8.04E-10	2.35E-08	1.25E-09	2.40E-09	1.21E-10	3.77E-09	1.21E-09	2.07E-09	1.53E-10	3.43E-09	6.88E-10	1.14E-09	3.78E-11	1.87E-09
96	742440.74	4109831.06	3.49E-08	6.35E-08	3.49E-09	1.02E-07	5.41E-09	1.04E-08	5.23E-10	1.63E-08	5.26E-09	8.96E-09	6.64E-10	1.49E-08	2.99E-09	4.94E-09	1.64E-10	8.10E-09
97	742427.19	4109810.69	3.87E-08	7.05E-08	3.87E-09	1.13E-07	6.00E-09	1.16E-08	5.81E-10	1.81E-08	5.84E-09	9.95E-09	7.37E-10	1.65E-08	3.32E-09	5.49E-09	1.82E-10	8.98E-09
98	742413.64	4109790.33	4.03E-08	7.34E-08	4.03E-09	1.18E-07	6.25E-09	1.20E-08	6.04E-10	1.89E-08	6.07E-09	1.04E-08	7.67E-10	1.72E-08	3.45E-09	5.71E-09	1.89E-10	9.35E-09
99	742400.09	4109769.97	3.92E-08	7.15E-08	3.93E-09	1.15E-07	6.08E-09	1.17E-08	5.89E-10	1.84E-08	5.92E-09	1.01E-08	7.48E-10	1.67E-08	3.36E-09	5.56E-09	1.84E-10	9.11E-09
100	742386.54	4109749.61	3.63E-08	6.61E-08	3.63E-09	1.06E-07	5.63E-09	1.08E-08	5.45E-10	1.70E-08	5.47E-09	9.33E-09	6.91E-10	1.55E-08	3.11E-09	5.14E-09	1.71E-10	8.42E-09
101	742373	4109729.25	3.25E-08	5.92E-08	3.25E-09	9.50E-08	5.04E-09	9.71E-09	4.88E-10	1.52E-08	4.90E-09	8.36E-09	6.19E-10	1.39E-08	2.79E-09	4.61E-09	1.53E-10	7.55E-09
102	742359.45	4109708.89	2.87E-08	5.23E-08	2.87E-09	8.39E-08	4.45E-09	8.58E-09	4.31E-10	1.35E-08	4.33E-09	7.38E-09	5.47E-10	1.23E-08	2.46E-09	4.07E-09	1.35E-10	6.67E-09
103	742345.9	4109688.53	2.53E-08	4.60E-08	2.53E-09	7.38E-08	3.92E-09	7.54E-09	3.79E-10	1.18E-08	3.81E-09	6.49E-09	4.81E-10	1.08E-08	2.16E-09	3.58E-09	1.19E-10	5.86E-09
104	742332.35	4109668.17	2.21E-08	4.04E-08	2.22E-09	6.47E-08	3.43E-09	6.62E-09	3.32E-10	1.04E-08	3.34E-09	5.69E-09	4.22E-10	9.46E-09	1.90E-09	3.14E-09	1.04E-10	5.14E-09
105	742528.55	4109798.71	2.03E-08	3.69E-08	2.03E-09	5.92E-08	3.14E-09	6.05E-09	3.04E-10	9.50E-09	3.06E-09	5.21E-09	3.86E-10	8.65E-09	1.74E-09	2.87E-09	9.52E-11	4.70E-09
106	742533.12	4109821.75	1.89E-08	3.44E-08	1.89E-09	5.52E-08	2.93E-09	5.64E-09	2.83E-10	8.85E-09	2.85E-09	4.85E-09	3.60E-10	8.06E-09	1.62E-09	2.68E-09	8.87E-11	4.38E-09
107	742537.68	4109844.8	1.74E-08	3.18E-08	1.75E-09	5.10E-08	2.71E-09	5.21E-09	2.62E-10	8.18E-09	2.63E-09	4.48E-09	3.32E-10	7.45E-09	1.49E-09	2.47E-09	8.20E-11	4.05E-09
108	742542.24	4109867.85	1.60E-08	2.92E-08	1.61E-09	4.69E-08	2.49E-09	4.79E-09	2.41E-10	7.52E-09	2.42E-09	4.12E-09	3.06E-10	6.85E-09	1.37E-09	2.27E-09	7.54E-11	3.72E-09
109	742546.8	4109890.9	1.47E-08	2.67E-08	1.47E-09	4.29E-08	2.28E-09	4.39E-09	2.20E-10	6.88E-09	2.21E-09	3.77E-09	2.80E-10	6.27E-09	1.26E-09	2.08E-09	6.90E-11	3.41E-09
110	742551.36	4109913.95	1.34E-08	2.43E-08	1.34E-09	3.90E-08	2.07E-09	3.99E-09	2.01E-10	6.26E-09	2.02E-09	3.44E-09	2.55E-10	5.70E-09	1.15E-09	1.89E-09	6.28E-11	3.10E-09
111	742555.92	4109937	1.21E-08	2.21E-08	1.21E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.70E-11	2.82E-09
112	742560.49	4109960.05	1.10E-08	2.01E-08	1.10E-09	3.22E-08	1.71E-09	3.30E-09	1.66E-10	5.17E-09	1.66E-09	2.84E-09	2.10E-10	4.71E-09	9.46E-10	1.56E-09	5.19E-11	2.56E-09
113	742565.05	4109983.09	1.01E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.01E-09	1.51E-10	4.72E-09	1.52E-09	2.59E-09	1.92E-10	4.30E-09	8.62E-10	1.43E-09	4.73E-11	2.34E-09
114	742569.61	4110006.14	9.21E-09	1.68E-08	9.22E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.32E-09	1.39E-09	2.37E-09	1.76E-10	3.93E-09	7.89E-10	1.31E-09	4.33E-11	2.14E-09
115	742574.17	4110029.19	8.46E-09	1.54E-08	8.47E-10	2.47E-08	1.31E-09	2.53E-09	1.27E-10	3.97E-09	1.28E-09	2.18E-09	1.61E-10	3.61E-09	7.25E-10	1.20E-09	3.98E-11	1.96E-09
116	742578.73	4110052.24	7.80E-09	1.42E-08	7.80E-10	2.28E-08	1.21E-09	2.33E-09	1.17E-10	3.66E-09	1.18E-09	2.01E-09	1.49E-10	3.33E-09	6.68E-10	1.11E-09	3.67E-11	1.81E-09
117	742570.26	4110094.84	7.15E-09	1.30E-08	7.15E-10	2.09E-08	1.11E-09	2.14E-09	1.07E-10	3.35E-09	1.08E-09	1.84E-09	1.36E-10	3.05E-09	6.12E-10	1.01E-09	3.36E-11	1.66E-09
118	742557.22	4110114.39	7.06E-09	1.29E-08	7.06E-10	2.06E-08	1.09E-09	2.11E-09	1.06E-10	3.31E-09	1.06E-09	1.81E-09	1.34E-10	3.01E-09	6.05E-10	1.00E-09	3.32E-11	1.64E-09
119	742544.19	4110133.93	6.95E-09	1.27E-08	6.95E-10	2.03E-08	1.08E-09	2.08E-09	1.04E-10	3.26E-09	1.05E-09	1.79E-09	1.32E-10	2.97E-09	5.95E-10	9.85E-10	3.26E-11	1.61E-09
120	742531.15	4110153.48	6.81E-09	1.24E-08	6.81E-10	1.99E-08	1.06E-09	2.03E-09	1.02E-10	3.19E-09	1.03E-09	1.75E-09	1.30E-10	2.91E-09	5.83E-10	9.65E-10	3.20E-11	1.58E-09
121	742518.12	4110173.03	6.64E-09	1.21E-08	6.65E-10	1.94E-08	1.03E-09	1.98E-09	9.97E-11	3.11E-09	1.00E-09	1.71E-09	1.27E-10	2.84E-09	5.69E-10	9.42E-10	3.12E-11	1.54E-09
122	742505.08	4110192.58	6.45E-09	1.18E-08	6.46E-10	1.89E-08	1.00E-09	1.93E-09	9.68E-11	3.03E-09	9.73E-10	1.66E-09	1.23E-10	2.75E-09	5.53E-10	9.15E-10	3.03E-11	1.50E-09
123	742492.05	4110212.13	6.25E-09	1.14E-08	6.26E-10	1.83E-08	9.70E-10	1.87E-09	9.38E-11	2.93E-09	9.43E-10	1.61E-09	1.19E-10	2.67E-09	5.36E-10	8.87E-10	2.94E-11	1.45E-09
124	742479.01	4110231.67	6.05E-09	1.10E-08	6.06E-10	1.77E-08	9.39E-10	1.81E-09	9.08E-11	2.84E-09	9.13E-10	1.56E-09	1.15E-10	2.58E-09	5.19E-10	8.58E-10	2.84E-11	1.41E-09
125	742465.98	4110251.22	5.84E-09	1.06E-08	5.84E-10	1.71E-08	9.06E-10	1.74E-09	8.76E-11	2.74E-09	8.81E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.28E-10	2.74E-11	1.36E-09
126	742452.94	4110270.77	5.62E-09	1.02E-08	5.62E-10	1.64E-08	8.71E-10	1.68E-09	8.43E-11	2.63E-09	8.47E-10	1.44E-09	1.07E-10	2.40E-09	4.81E-10	7.96E-10	2.64E-11	1.30E-09
127	742439.91	4110290.32	5.37E-09	9.79E-09	5.38E-10	1.57E-08	8.33E-10	1.61E-09	8.06E-11	2.52E-09	8.10E-10	1.38E-09	1.02E-10	2.29E-09	4.60E-10	7.62E-10	2.53E-11	1.25E-09
128	742426.87	4110309.87	5.11E-09	9.32E-09	5.12E-10	1.49E-08	7.93E-10	1.53E-09	7.67E-11	2.40E-09	7.71E-10	1.31E-09	9.74E-11	2.18E-09	4.38E-10	7.25E-10	2.40E-11	1.19E-09
129	742523.99	4109775.66	2.14E-08	3.89E-08	2.14E-09	6.24E-08	3.31E-09	6.38E-09	3.20E-10	1.00E-08	3.22E-09	5.49E-09	4.07E-10	9.11E-09	1.83E-09	3.03E-09	1.00E-10	4.96E-09
130	742510.44	4109755.3	2.29E-08	4.17E-08	2.29E-09	6.69E-08	3.55E-09	6.84E-09	3.44E-10	1.07E-08	3.45E-09	5.89E-09	4.36E-10	9.77E-09	1.96E-09	3.25E-09	1.08E-10	5.32E-09
131	742496.89	4109734.94	2.37E-08	4.31E-08	2.37E-09	6.92E-08	3.67E-09	7.07E-09	3.55E-10	1.11E-08	3.57E-09	6.09E-09	4.51E-10	1.01E-08	2.03E-09	3.36E-09	1.11E-10	5.50E-09
132	742483.35	4109714.57	2.36E-08	4.31E-08	2.37E-09	6.91E-08	3.67E-09	7.06E-09	3.55E-10	1.11E-08	3.57E-09	6.08E-09	4.50E-10	1.01E-08	2.03E-09	3.35E-09	1.11E-10	5.49E-09
133	742469.8	4109694.21	2.29E-08	4.17E-08	2.29E-09	6.69E-08	3.55E-09	6.84E-09	3.44E-10	1.07E-08	3.45E-09	5.89E-09	4.36E-10	9.78E-09	1.96E-09	3.25E-09	1.08E-10	5.32E-09
134	742456.25	4109673.85	2.16E-08	3.93E-08	2.16E-09	6.31E-08	3.35E-09	6.45E-09	3.24E-10	1.01E-08	3.25E-09	5.55E-09	4.11E-10	9.21E-09	1.85E-09	3.06E-09	1.01E-10	5.01E-09
135	742442.7	4109653.49	1.99E-08	3.62E-08	1.99E-09	5.81E-08	3.08E-09	5.94E-09	2.99E-10	9.33E-09	3.00E-09	5.11E-09	3.79E-10	8.49E-09	1.70E-09	2.82E-09	9.35E-11	4.62E-09
136	742429.15	4109633.13	1.80E-08	3.29E-08	1.81E-09	5.27E-08	2.80E-09	5.39E-09	2.71E-10	8.46E-09	2.72E-09	4.64E-09	3.44E-10	7.70E-09	1.55E-09	2.56E-09	8.48E-11	4.19E-09
137	742415.6	4109612.77	1.62E-08	2.95E-08	1.62E-09	4.74E-08	2.51E-09	4.84E-09	2.43E-10	7.60E-09	2.45E-09	4.17E-09	3.09E-10	6.92E-09	1.39E-09	2.30E-09	7.62E-11	3.76E-09
138	742611.88	4109743.67	1.42E-08	2.59E-08	1.42E-09	4.15E-08	2.20E-09	4.25E-09	2.13E-10	6.67E-09	2.14E-09	3.65E-09	2.71E-10	6.07E-09	1.22E-09	2.02E-09	6.68E-11	3.30E-09
139	742616.51	4109767.08	1.35E-08	2.45E-08	1.35E-09	3.93E-08	2.09E-09	4.02E-09	2.02E-10	6.31E-09	2.03E-09	3.46E-09	2.56E-10	5.75E-09	1.15E-09	1.91E-09	6.32E-11	3.12E-09
140	742621.14	4109790.49	1.26E-08	2.30E-08	1.26E-09	3.69E-08	1.96E-09	3.77E-09	1.90E-10	5.92E-09	1.90E-09	3.25E-09	2.41E-10	5.39E-09	1.08E-09	1.79E-09	5.93E-11	2.93E-09
141	742625.78	4109813.89	1.18E-08	2.16E-08	1.18E-09	3.46E-08	1.84E-09	3.54E-09	1.78E-10	5.55E-09	1.78E-09	3.04E-09	2.26E-10	5.05E-09	1.01E-09	1.68E-09	5.56E-11	2.75E-09
142	742630.41	4109837.3	1.11E-08	2.02E-08	1.11E-09	3.25E-08	1.72E-09	3.32E-09	1.67E-10	5.21E-09	1.68E-09	2.86E-09	2.12E-10	4.74E-09	9.52E-10	1.58E-09	5.22E-11	2.58E-09
143	742635.04	4109860.71	1.04E-08	1.90E-08	1.04E-09	3.04E-08	1.61E-09	3.11E-09	1.56E-10	4.88E-09	1.57E-09	2.68E-09	1.98E-10	4.45E-09	8.92E-10	1.48E-09	4.89E-11	2.42E-09
144	742639.68	4109884.12	9.72E-09	1.77E-08	9.73E-10	2.84E-08	1.51E-09	2.90E-09	1.46E-10	4.56E-09	1.47E-09	2.50E-09	1.85E-10	4.15E-09	8.33E-10	1.38E-09	4.57E-11	2.26E-09
145	742644.31	4109907.53	9.03E-09	1.65E-08	9.03E-10	2.64E-08	1.40E-09	2.70E-09	1.36E-10	4.23E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.74E-10	1.28E-09	4.24E-11	2.10E-09
146	742648.94	4109930.94	8.36E-09	1.52E-08	8.37E-10	2.44E-08	1.30E-09	2.50E-09	1.25E-10	3.92E-09	1.26E-09	2.15E-09	1.59E-10	3.57E-09	7.16E-10	1.19E-09	3.93E-11	1.94E-09
147	742653.57	4109954.35	7.73E-09	1.41E-08	7.74E-10	2.26E-08	1.20E-09	2.31E-09	1.16E-10	3.63E-09	1.17E-09	1.99E-09	1.47E-10	3.30E-09	6.63E-10	1.10E-09	3.63E-11	1.80E-09
148	742658.21	4109977.76	7.16E-09	1.30E-08	7.16E-10	2.09E-08	1.11E-09	2.14E-09	1.07E-10	3.36E-09	1.08E-09	1.84E-09	1.36E-10	3.06E-09	6.13E-10	1.01E-09	3.36E-11	1.66E-09
149	742662.84	4110001.16	6.65E-09	1.21E-08	6.65E-10	1.94E-08	1.03E-09	1.99E-09	9.97E-11	3.12E-09	1.00E-09	1.71E-09	1.27E-10	2.84E-09	5.69E-10	9.42E-10	3.12E-11	1.54E-09
150	742667.47	4110024.57	6.20E-09	1.13E-08	6.20E-10	1.81E-08	9.61E-10	1.85E-09	9.30E-11	2.91E-09	9.35E-10	1.59E-09	1.18E-10	2.65E-09	5.31E-10	8.79E-10	2.91E-11	1.44E-09
151	742672.11	4110047.98	5.81E-09	1.06E-08	5.81E-10	1.70E-08	9.01E-10	1.74E-09	8.72E-11	2.72E-09	8.76E-10	1.49E-09	1.11E-10	2.48E-09	4.98E-10	8.24E-10	2.73E-11	1.35E-09
152	742676.74	4110071.39	5.47E-09	9.96E-09	5.47E-10	1.60E-08	8.48E-10	1.63E-09	8.21E-11	2.56E-09	8.24E-10	1.41E-09	1.04E-10	2.33E-09	4.68E-10	7.75E-10	2.57E-11	1.27E-09
153	742668.13	4110114.65	5.15E-09	9.38E-09	5.15E-10	1.50E-08	7.98E-10	1.54E-09	7.73E-11	2.41E-09	7.76E-10	1.32E-09	9.81E-11	2.20E-09	4.41E-10	7.30E-10	2.42E-11	1.20E-09
154	742654.89	4110134.51	5.12E-09	9.33E-09	5.12E-10	1.50E-08	7.94E-10	1.53E-09	7.68E-11	2.40E-09	7.72E-10	1.32E-09	9.76E-11	2.19E-09	4.39E-10	7.26E-10	2.41E-11	1.19E-09
155	742641.66	4110154.36	5.07E-09	9.25E-09	5.08E-10	1.48E-08	7.87E-10	1.52E-09	7.62E-11	2.38E-09	7.65E-10	1.30E-09	9.67E-11	2.17E-09	4.35E-10	7.19E-10	2.38E-11	1.18E-09
156	742628.42	4110174.21	5.01E-09	9.13E-09	5.01E-10	1.46E-08	7.77E-10	1.50E-09	7.52E-11	2.35E-09	7.56E-10	1.29E-09	9.55E-11	2.14E-09	4.29E-10	7.11E-10	2.36E-11	1.16E-09
157	742615.18	4110194.07	4.94E-09	8.99E-09	4.94E-10	1.44E-08	7.65E-10	1.47E-09	7.41E-11	2.31E-09	7.44E-10	1.27E-09	9.40E-11	2.11E-09	4.23E-10	7.00E-10	2.32E-11	1.15E-09
158	742601.94	4110213.92	4.85E-09	8.84E-09	4.85E-10	1.42E-08	7.52E-10	1.45E-09	7.28E-11	2.27E-09	7.32E-10	1.25E-09	9.24E-11	2.07E-09	4.16E-10	6.88E-10	2.28E-11	1.13E-09
159	742588.7	4110233.77	4.76E-09	8.67E-09	4.76E-10	1.39E-08	7.38E-10	1.42E-09	7.14E-11	2.23E-09	7.17E-10	1.22E-09	9.06E-11	2.03E-09	4.08E-10	6.74E-10	2.24E-11	1.10E-09
160	742575.46	4110253.63	4.64E-09	8.46E-09	4.65E-10	1.36E-08	7.20E-10	1.39E-09	6.97E-11	2.18E-09	7.00E-10	1.19E-09	8.85E-11	1.98E-09	3.98E-10	6.58E-10	2.18E-11	1.08E-09
161	742562.22	4110273.48	4.51E-09	8.21E-09	4.51E-10	1.32E-08	6.99E-10	1.35E-09	6.77E-11	2.11E-09	6.80E-10	1.16E-09	8.59E-11	1.92E-09	3.86E-10	6.39E-10	2.12E-11	1.05E-09
162	742548.99	4110293.34	4.36E-09	7.94E-09	4.36E-10	1.27E-08	6.76E-10	1.30E-09	6.54E-11	2.04E-09	6.57E-10	1.12E-09	8.31E-11	1.86E-09	3.73E-10	6.18E-10	2.05E-11	1.01E-09
163	742535.75	4110313.19	4.20E-09	7.66E-09	4.20E-10	1.23E-08	6.52E-10	1.26E-09	6.31E-11	1.97E-09	6.34E-10	1.08E-09	8.01E-11	1.79E-09	3.60E-10	5.96E-10	1.97E-11	9.76E-10
164	742522.51	4110333.04	4.04E-09	7.37E-09	4.05E-10	1.18E-08	6.27E-10	1.21E-09	6.07E-11	1.90E-09	6.10E-10	1.04E-09	7.71E-11	1.73E-09	3.46E-10	5.73E-10	1.90E-11	9.39E-10
165	742509.27	4110352.9	3.88E-09	7.08E-09	3.89E-10	1.14E-08	6.02E-10	1.16E-09	5.83E-11	1.82E-09	5.86E-10	9.99E-10	7.40E-11	1.66E-09	3.33E-10	5.51E-10	1.83E-11	9.02E-10
166	742496.03	4110372.75	3.72E-09	6.78E-09	3.73E-10	1.09E-08	5.77E-10	1.11E-09	5.59E-11	1.75E-09	5.61E-10	9.57E-10	7.10E-11	1.59E-09	3.19E-10	5.28E-10	1.75E-11	8.64E-10
167	742482.79	4110392.6	3.56E-09	6.49E-09	3.56E-10	1.04E-08	5.52E-10	1.06E-09	5.34E-11	1.67E-09	5.37E-10	9.15E-10	6.78E-11	1.52E-09	3.05E-10	5.05E-10	1.67E-11	8.26E-10
168	742607.24	4109720.26	1.48E-08	2.69E-08	1.48E-09	4.32E-08	2.29E-09	4.41E-09	2.22E-10	6.93E-09	2.23E-09	3.80E-09	2.82E-10	6.31E-09	1.27E-09	2.09E-09	6.94E-11	3.43E-09
169	742593.7	4109699.9	1.56E-08	2.84E-08	1.56E-09	4.55E-08	2.41E-09	4.65E-09	2.34E-10	7.30E-09	2.35E-09	4.00E-09	2.97E-10	6.65E-09	1.33E-09	2.21E-09	7.32E-11	3.61E-09
170	742580.15	4109679.54	1.60E-08	2.92E-08	1.60E-09	4.68E-08	2.48E-09	4.78E-09	2.40E-10	7.50E-09	2.41E-09	4.11E-09	3.05E-10	6.83E-09	1.37E-09	2.27E-09	7.52E-11	3.72E-09
171	742566.6	4109659.18	1.61E-08	2.93E-08	1.61E-09	4.70E-08	2.49E-09	4.80E-09	2.41E-10	7.53E-09	2.42E-09	4.13E-09	3.06E-10	6.86E-09	1.38E-09	2.28E-09	7.55E-11	3.73E-09
172	742553.05	4109638.81	1.58E-08	2.88E-08	1.58E-09	4.61E-08	2.45E-09	4.72E-09	2.37E-10	7.40E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.67E-09
173	742539.5	4109618.45	1.52E-08	2.77E-08	1.52E-09	4.45E-08	2.36E-09	4.55E-09	2.28E-10	7.14E-09	2.30E-09	3.91E-09	2.90E-10	6.50E-09	1.30E-09	2.16E-09	7.15E-11	3.53E-09
174	742525.95	4109598.09	1.44E-08	2.63E-08	1.44E-09	4.21E-08	2.24E-09	4.31E-09	2.16E-10	6.76E-09	2.17E-09	3.71E-09	2.75E-10	6.16E-09	1.24E-09	2.04E-09	6.78E-11	3.35E-09
175	742512.4	4109577.73	1.35E-08	2.45E-08	1.35E-09	3.94E-08	2.09E-09	4.02E-09	2.02E-10	6.31E-09	2.03E-09	3.46E-09	2.57E-10	5.75E-09	1.15E-09	1.91E-09	6.33E-11	3.13E-09
176	742498.85	4109557.37	1.24E-08	2.26E-08	1.24E-09	3.63E-08	1.93E-09	3.71E-09	1.86E-10	5.82E-09	1.87E-09	3.19E-09	2.37E-10	5.30E-09	1.06E-09	1.76E-09	5.84E-11	2.88E-09
177	742695.18	4109688.52	1.07E-08	1.94E-08	1.07E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	5.00E-09	1.61E-09	2.74E-09	2.03E-10	4.55E-09	9.13E-10	1.51E-09	5.01E-11	2.47E-09
178	742699.86	4109712.17	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.78E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.73E-10	1.45E-09	4.79E-11	2.37E-09
179	742704.54	4109735.83	9.65E-09	1.76E-08	9.66E-10	2.82E-08	1.50E-09	2.88E-09	1.45E-10	4.52E-09	1.46E-09	2.48E-09	1.84E-10	4.12E-09	8.27E-10	1.37E-09	4.53E-11	2.24E-09
180	742709.22	4109759.48	9.10E-09	1.66E-08	9.11E-10	2.66E-08	1.41E-09	2.72E-09	1.37E-10	4.27E-09	1.37E-09	2.34E-09	1.73E-10	3.89E-09	7.80E-10	1.29E-09	4.28E-11	2.11E-09
181	742713.91	4109783.14	8.61E-09	1.57E-08	8.61E-10	2.51E-08	1.33E-09	2.57E-09	1.29E-10	4.03E-09	1.30E-09	2.21E-09	1.64E-10	3.67E-09	7.37E-10	1.22E-09	4.04E-11	2.00E-09
182	742718.59	4109806.79	8.18E-09	1.49E-08	8.18E-10	2.39E-08	1.27E-09	2.44E-09	1.23E-10	3.83E-09	1.23E-09	2.10E-09	1.56E-10	3.49E-09	7.01E-10	1.16E-09	3.84E-11	1.90E-09
183	742723.27	4109830.45	7.78E-09	1.42E-08	7.79E-10	2.27E-08	1.21E-09	2.33E-09	1.17E-10	3.65E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.67E-10	1.10E-09	3.66E-11	1.81E-09
184	742727.95	4109854.1	7.39E-09	1.35E-08	7.39E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.46E-09	1.11E-09	1.90E-09	1.41E-10	3.15E-09	6.33E-10	1.05E-09	3.47E-11	1.72E-09
185	742732.63	4109877.76	6.98E-09	1.27E-08	6.99E-10	2.04E-08	1.08E-09	2.09E-09	1.05E-10	3.27E-09	1.05E-09	1.80E-09	1.33E-10	2.98E-09	5.98E-10	9.90E-10	3.28E-11	1.62E-09
186	742737.31	4109901.41	6.57E-09	1.20E-08	6.57E-10	1.92E-08	1.02E-09	1.96E-09	9.86E-11	3.08E-09	9.90E-10	1.69E-09	1.25E-10	2.80E-09	5.63E-10	9.31E-10	3.09E-11	1.52E-09
187	742742	4109925.07	6.15E-09	1.12E-08	6.16E-10	1.80E-08	9.54E-10	1.84E-09	9.23E-11	2.88E-09	9.28E-10	1.58E-09	1.17E-10	2.63E-09	5.27E-10	8.72E-10	2.89E-11	1.43E-09
188	742746.68	4109948.72	5.75E-09	1.05E-08	5.76E-10	1.68E-08	8.92E-10	1.72E-09	8.63E-11	2.70E-09	8.68E-10	1.48E-09	1.10E-10	2.46E-09	4.93E-10	8.16E-10	2.70E-11	1.34E-09

189	742751.36	4109972.38	5.38E-09	9.81E-09	5.38E-10	1.57E-08	8.34E-10	1.61E-09	8.08E-11	2.52E-09	8.11E-10	1.38E-09	1.03E-10	2.30E-09	4.61E-10	7.63E-10	2.53E-11	1.25E-09
190	742756.04	4109996.03	5.04E-09	9.19E-09	5.05E-10	1.47E-08	7.82E-10	1.51E-09	7.57E-11	2.36E-09	7.61E-10	1.30E-09	9.61E-11	2.15E-09	4.32E-10	7.15E-10	2.37E-11	1.17E-09
191	742760.72	4110019.69	4.75E-09	8.65E-09	4.75E-10	1.39E-08	7.36E-10	1.42E-09	7.12E-11	2.23E-09	7.16E-10	1.22E-09	9.04E-11	2.03E-09	4.07E-10	6.73E-10	2.23E-11	1.10E-09
192	742765.41	4110043.34	4.49E-09	8.18E-09	4.49E-10	1.31E-08	6.96E-10	1.34E-09	6.74E-11	2.10E-09	6.77E-10	1.15E-09	8.55E-11	1.92E-09	3.85E-10	6.36E-10	2.11E-11	1.04E-09
193	742770.09	4110067	4.27E-09	7.78E-09	4.27E-10	1.25E-08	6.62E-10	1.27E-09	6.41E-11	2.00E-09	6.44E-10	1.10E-09	8.13E-11	1.82E-09	3.66E-10	6.05E-10	2.01E-11	9.91E-10
194	742774.77	4110090.65	4.07E-09	7.42E-09	4.08E-10	1.19E-08	6.32E-10	1.22E-09	6.12E-11	1.91E-09	6.14E-10	1.05E-09	7.76E-11	1.74E-09	3.49E-10	5.78E-10	1.91E-11	9.46E-10
195	742766.07	4110134.37	3.91E-09	7.13E-09	3.92E-10	1.14E-08	6.07E-10	1.17E-09	5.87E-11	1.83E-09	5.90E-10	1.01E-09	7.46E-11	1.67E-09	3.35E-10	5.55E-10	1.84E-11	9.08E-10
196	742752.69	4110154.43	3.91E-09	7.13E-09	3.92E-10	1.14E-08	6.07E-10	1.17E-09	5.87E-11	1.83E-09	5.90E-10	1.01E-09	7.46E-11	1.67E-09	3.35E-10	5.55E-10	1.84E-11	9.09E-10
197	742739.32	4110174.5	3.90E-09	7.11E-09	3.90E-10	1.14E-08	6.05E-10	1.17E-09	5.86E-11	1.83E-09	5.88E-10	1.00E-09	7.43E-11	1.67E-09	3.34E-10	5.53E-10	1.83E-11	9.06E-10
198	742725.94	4110194.56	3.88E-09	7.06E-09	3.88E-10	1.13E-08	6.01E-10	1.16E-09	5.82E-11	1.82E-09	5.85E-10	9.97E-10	7.39E-11	1.66E-09	3.32E-10	5.50E-10	1.82E-11	9.00E-10
199	742712.56	4110214.62	3.84E-09	6.99E-09	3.84E-10	1.12E-08	5.95E-10	1.15E-09	5.76E-11	1.80E-09	5.78E-10	9.86E-10	7.31E-11	1.64E-09	3.29E-10	5.44E-10	1.80E-11	8.90E-10
200	742699.18	4110234.68	3.78E-09	6.90E-09	3.79E-10	1.11E-08	5.87E-10	1.13E-09	5.68E-11	1.77E-09	5.71E-10	9.73E-10	7.21E-11	1.62E-09	3.24E-10	5.37E-10	1.78E-11	8.79E-10
201	742685.8	4110254.75	3.73E-09	6.79E-09	3.73E-10	1.09E-08	5.78E-10	1.11E-09	5.60E-11	1.75E-09	5.62E-10	9.58E-10	7.10E-11	1.59E-09	3.19E-10	5.29E-10	1.75E-11	8.66E-10
202	742672.43	4110274.81	3.67E-09	6.69E-09	3.67E-10	1.07E-08	5.69E-10	1.10E-09	5.51E-11	1.72E-09	5.53E-10	9.43E-10	6.99E-11	1.57E-09	3.14E-10	5.20E-10	1.72E-11	8.52E-10
203	742659.05	4110294.87	3.60E-09	6.57E-09	3.61E-10	1.05E-08	5.59E-10	1.08E-09	5.41E-11	1.69E-09	5.43E-10	9.26E-10	6.87E-11	1.54E-09	3.09E-10	5.11E-10	1.69E-11	8.37E-10
204	742645.67	4110314.93	3.52E-09	6.41E-09	3.52E-10	1.03E-08	5.46E-10	1.05E-09	5.28E-11	1.65E-09	5.31E-10	9.05E-10	6.71E-11	1.50E-09	3.02E-10	4.99E-10	1.65E-11	8.17E-10
205	742632.29	4110335	3.42E-09	6.23E-09	3.42E-10	9.99E-09	5.30E-10	1.02E-09	5.13E-11	1.60E-09	5.15E-10	8.79E-10	6.51E-11	1.46E-09	2.93E-10	4.85E-10	1.61E-11	7.94E-10
206	742618.91	4110355.06	3.30E-09	6.02E-09	3.30E-10	9.65E-09	5.12E-10	9.86E-10	4.96E-11	1.55E-09	4.98E-10	8.49E-10	6.29E-11	1.41E-09	2.83E-10	4.68E-10	1.55E-11	7.67E-10
207	742605.54	4110375.12	3.18E-09	5.80E-09	3.18E-10	9.30E-09	4.94E-10	9.51E-10	4.78E-11	1.49E-09	4.80E-10	8.18E-10	6.06E-11	1.36E-09	2.73E-10	4.51E-10	1.50E-11	7.39E-10
208	742592.16	4110395.19	3.07E-09	5.59E-09	3.07E-10	8.97E-09	4.76E-10	9.17E-10	4.61E-11	1.44E-09	4.63E-10	7.89E-10	5.85E-11	1.31E-09	2.63E-10	4.35E-10	1.44E-11	7.13E-10
209	742578.78	4110415.25	2.97E-09	5.40E-09	2.97E-10	8.66E-09	4.60E-10	8.86E-10	4.45E-11	1.39E-09	4.47E-10	7.62E-10	5.65E-11	1.27E-09	2.54E-10	4.20E-10	1.39E-11	6.88E-10
210	742565.4	4110435.31	2.87E-09	5.22E-09	2.87E-10	8.38E-09	4.44E-10	8.56E-10	4.30E-11	1.34E-09	4.32E-10	7.37E-10	5.46E-11	1.22E-09	2.46E-10	4.06E-10	1.35E-11	6.65E-10
211	742552.02	4110455.37	2.77E-09	5.04E-09	2.77E-10	8.08E-09	4.29E-10	8.26E-10	4.15E-11	1.30E-09	4.17E-10	7.11E-10	5.27E-11	1.18E-09	2.37E-10	3.92E-10	1.30E-11	6.42E-10
212	742538.65	4110475.44	2.66E-09	4.85E-09	2.66E-10	7.77E-09	4.13E-10	7.95E-10	3.99E-11	1.25E-09	4.01E-10	6.84E-10	5.07E-11	1.14E-09	2.28E-10	3.77E-10	1.25E-11	6.18E-10
213	742690.5	4109664.86	1.10E-08	2.00E-08	1.10E-09	3.21E-08	1.70E-09	3.28E-09	1.65E-10	5.14E-09	1.65E-09	2.82E-09	2.09E-10	4.68E-09	9.40E-10	1.56E-09	5.16E-11	2.55E-09
214	742676.95	4109644.5	1.14E-08	2.08E-08	1.14E-09	3.34E-08	1.77E-09	3.42E-09	1.72E-10	5.36E-09	1.72E-09	2.94E-09	2.18E-10	4.88E-09	9.80E-10	1.62E-09	5.37E-11	2.65E-09
215	742663.4	4109624.14	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.81E-09	3.49E-09	1.76E-10	5.48E-09	1.76E-09	3.01E-09	2.23E-10	4.99E-09	1.00E-09	1.66E-09	5.50E-11	2.72E-09
216	742649.85	4109603.78	1.17E-08	2.14E-08	1.18E-09	3.43E-08	1.82E-09	3.51E-09	1.76E-10	5.51E-09	1.77E-09	3.02E-09	2.24E-10	5.02E-09	1.01E-09	1.67E-09	5.52E-11	2.73E-09
217	742636.3	4109583.42	1.16E-08	2.12E-08	1.16E-09	3.39E-08	1.80E-09	3.47E-09	1.74E-10	5.44E-09	1.75E-09	2.99E-09	2.21E-10	4.96E-09	9.95E-10	1.65E-09	5.46E-11	2.70E-09
218	742622.75	4109563.06	1.13E-08	2.06E-08	1.13E-09	3.31E-08	1.76E-09	3.38E-09	1.70E-10	5.31E-09	1.71E-09	2.91E-09	2.16E-10	4.83E-09	9.70E-10	1.60E-09	5.32E-11	2.63E-09
219	742609.21	4109542.69	1.09E-08	1.98E-08	1.09E-09	3.18E-08	1.69E-09	3.25E-09	1.63E-10	5.11E-09	1.64E-09	2.80E-09	2.08E-10	4.65E-09	9.33E-10	1.54E-09	5.12E-11	2.53E-09
220	742595.66	4109522.33	1.04E-08	1.89E-08	1.04E-09	3.03E-08	1.61E-09	3.10E-09	1.56E-10	4.86E-09	1.56E-09	2.66E-09	1.97E-10	4.42E-09	8.88E-10	1.47E-09	4.87E-11	2.41E-09
221	742582.11	4109501.97	9.75E-09	1.78E-08	9.76E-10	2.85E-08	1.51E-09	2.91E-09	1.46E-10	4.57E-09	1.47E-09	2.51E-09	1.86E-10	4.16E-09	8.36E-10	1.38E-09	4.58E-11	2.26E-09
222	742778.47	4109633.3	8.34E-09	1.52E-08	8.35E-10	2.44E-08	1.29E-09	2.49E-09	1.25E-10	3.91E-09	1.26E-09	2.15E-09	1.59E-10	3.56E-09	7.15E-10	1.18E-09	3.92E-11	1.94E-09
223	742783.19	4109657.13	8.05E-09	1.47E-08	8.05E-10	2.35E-08	1.25E-09	2.40E-09	1.21E-10	3.77E-09	1.21E-09	2.07E-09	1.53E-10	3.44E-09	6.90E-10	1.14E-09	3.78E-11	1.87E-09
224	742787.9	4109680.97	7.68E-09	1.40E-08	7.68E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.60E-09	1.16E-09	1.97E-09	1.46E-10	3.28E-09	6.58E-10	1.09E-09	3.61E-11	1.78E-09
225	742792.62	4109704.8	7.28E-09	1.33E-08	7.28E-10	2.13E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.39E-10	3.11E-09	6.24E-10	1.03E-09	3.42E-11	1.69E-09
226	742797.34	4109728.64	6.89E-09	1.26E-08	6.90E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.91E-10	9.77E-10	3.24E-11	1.60E-09
227	742802.05	4109752.47	6.56E-09	1.20E-08	6.57E-10	1.92E-08	1.02E-09	1.96E-09	9.85E-11	3.08E-09	9.90E-10	1.69E-09	1.25E-10	2.80E-09	5.62E-10	9.30E-10	3.08E-11	1.52E-09
228	742806.77	4109776.3	6.29E-09	1.15E-08	6.29E-10	1.84E-08	9.75E-10	1.88E-09	9.44E-11	2.95E-09	9.48E-10	1.62E-09	1.20E-10	2.68E-09	5.39E-10	8.92E-10	2.96E-11	1.46E-09
229	742811.49	4109800.14	6.05E-09	1.10E-08	6.06E-10	1.77E-08	9.39E-10	1.81E-09	9.08E-11	2.84E-09	9.13E-10	1.56E-09	1.15E-10	2.58E-09	5.19E-10	8.58E-10	2.84E-11	1.41E-09
230	742816.21	4109823.97	5.82E-09	1.06E-08	5.83E-10	1.70E-08	9.03E-10	1.74E-09	8.74E-11	2.73E-09	8.78E-10	1.50E-09	1.11E-10	2.49E-09	4.99E-10	8.26E-10	2.74E-11	1.35E-09
231	742820.92	4109847.81	5.58E-09	1.02E-08	5.59E-10	1.63E-08	8.66E-10	1.67E-09	8.38E-11	2.62E-09	8.42E-10	1.44E-09	1.06E-10	2.38E-09	4.78E-10	7.92E-10	2.62E-11	1.30E-09
232	742825.64	4109871.64	5.32E-09	9.69E-09	5.32E-10	1.55E-08	8.25E-10	1.59E-09	7.98E-11	2.49E-09	8.02E-10	1.37E-09	1.01E-10	2.27E-09	4.56E-10	7.54E-10	2.50E-11	1.24E-09
233	742830.36	4109895.48	5.04E-09	9.18E-09	5.04E-10	1.47E-08	7.82E-10	1.51E-09	7.56E-11	2.36E-09	7.60E-10	1.30E-09	9.60E-11	2.15E-09	4.32E-10	7.15E-10	2.37E-11	1.17E-09
234	742835.07	4109919.31	4.76E-09	8.67E-09	4.76E-10	1.39E-08	7.38E-10	1.42E-09	7.14E-11	2.23E-09	7.17E-10	1.22E-09	9.06E-11	2.03E-09	4.08E-10	6.74E-10	2.24E-11	1.10E-09
235	742839.79	4109943.14	4.48E-09	8.16E-09	4.48E-10	1.31E-08	6.95E-10	1.34E-09	6.72E-11	2.10E-09	6.76E-10	1.15E-09	8.54E-11	1.91E-09	3.84E-10	6.35E-10	2.11E-11	1.04E-09
236	742844.51	4109966.98	4.22E-09	7.69E-09	4.22E-10	1.23E-08	6.55E-10	1.26E-09	6.33E-11	1.98E-09	6.36E-10	1.08E-09	8.04E-11	1.80E-09	3.62E-10	5.98E-10	1.98E-11	9.80E-10
237	742849.23	4109990.81	3.98E-09	7.26E-09	3.99E-10	1.16E-08	6.18E-10	1.19E-09	5.98E-11	1.87E-09	6.01E-10	1.02E-09	7.59E-11	1.70E-09	3.41E-10	5.65E-10	1.87E-11	9.25E-10
238	742853.94	4110014.65	3.77E-09	6.88E-09	3.78E-10	1.10E-08	5.85E-10	1.13E-09	5.66E-11	1.77E-09	5.69E-10	9.70E-10	7.19E-11	1.61E-09	3.23E-10	5.35E-10	1.77E-11	8.76E-10
239	742858.66	4110038.48	3.59E-09	6.54E-09	3.59E-10	1.05E-08	5.57E-10	1.07E-09	5.39E-11	1.68E-09	5.41E-10	9.23E-10	6.84E-11	1.53E-09	3.08E-10	5.09E-10	1.69E-11	8.33E-10
240	742863.38	4110062.32	3.43E-09	6.25E-09	3.43E-10	1.00E-08	5.32E-10	1.02E-09	5.15E-11	1.61E-09	5.17E-10	8.82E-10	6.54E-11	1.46E-09	2.94E-10	4.86E-10	1.61E-11	7.96E-10
241	742868.09	4110086.15	3.29E-09	6.00E-09	3.30E-10	9.63E-09	5.11E-10	9.84E-10	4.94E-11	1.54E-09	4.97E-10	8.47E-10	6.28E-11	1.41E-09	2.82E-10	4.67E-10	1.55E-11	7.65E-10
242	742872.81	4110109.98	3.18E-09	5.79E-09	3.18E-10	9.28E-09	4.93E-10	9.49E-10	4.77E-11	1.49E-09	4.79E-10	8.17E-10	6.05E-11	1.36E-09	2.72E-10	4.51E-10	1.49E-11	7.38E-10
243	742864.05	4110154.03	3.10E-09	5.64E-09	3.10E-10	9.05E-09	4.80E-10	9.25E-10	4.65E-11	1.45E-09	4.67E-10	7.96E-10	5.90E-11	1.32E-09	2.65E-10	4.39E-10	1.46E-11	7.19E-10
244	742850.57	4110174.25	3.11E-09	5.67E-09	3.11E-10	9.09E-09	4.83E-10	9.30E-10	4.67E-11	1.46E-09	4.69E-10	8.00E-10	5.93E-11	1.33E-09	2.67E-10	4.41E-10	1.46E-11	7.23E-10
245	742837.09	4110194.46	3.12E-09	5.68E-09	3.12E-10	9.11E-09	4.83E-10	9.31E-10	4.68E-11	1.46E-09	4.70E-10	8.01E-10	5.94E-11	1.33E-09	2.67E-10	4.42E-10	1.46E-11	7.23E-10
246	742823.61	4110214.68	3.11E-09	5.66E-09	3.11E-10	9.08E-09	4.82E-10	9.28E-10	4.66E-11	1.46E-09	4.69E-10	7.99E-10	5.92E-11	1.33E-09	2.66E-10	4.41E-10	1.46E-11	7.21E-10
247	742810.13	4110234.89	3.09E-09	5.63E-09	3.09E-10	9.02E-09	4.79E-10	9.22E-10	4.63E-11	1.45E-09	4.66E-10	7.94E-10	5.88E-11	1.32E-09	2.65E-10	4.38E-10	1.45E-11	7.17E-10
248	742796.65	4110255.11	3.06E-09	5.57E-09	3.06E-10	8.93E-09	4.74E-10	9.13E-10	4.59E-11	1.43E-09	4.61E-10	7.86E-10	5.83E-11	1.31E-09	2.62E-10	4.33E-10	1.44E-11	7.10E-10
249	742783.17	4110275.32	3.02E-09	5.50E-09	3.02E-10	8.82E-09	4.68E-10	9.02E-10	4.53E-11	1.42E-09	4.55E-10	7.76E-10	5.75E-11	1.29E-09	2.59E-10	4.28E-10	1.42E-11	7.01E-10
250	742769.69	4110295.54	2.98E-09	5.42E-09	2.98E-10	8.70E-09	4.62E-10	8.89E-10	4.47E-11	1.40E-09	4.49E-10	7.65E-10	5.67E-11	1.27E-09	2.55E-10	4.22E-10	1.40E-11	6.91E-10
251	742756.21	4110315.75	2.93E-09	5.34E-09	2.93E-10	8.57E-09	4.55E-10	8.76E-10	4.40E-11	1.37E-09	4.42E-10	7.54E-10	5.59E-11	1.25E-09	2.51E-10	4.16E-10	1.38E-11	6.81E-10
252	742742.73	4110335.96	2.88E-09	5.25E-09	2.89E-10	8.43E-09	4.47E-10	8.61E-10	4.33E-11	1.35E-09	4.35E-10	7.41E-10	5.49E-11	1.23E-09	2.47E-10	4.09E-10	1.36E-11	6.69E-10
253	742729.26	4110356.18	2.83E-09	5.15E-09	2.83E-10	8.26E-09	4.39E-10	8.45E-10	4.24E-11	1.33E-09	4.26E-10	7.27E-10	5.39E-11	1.21E-09	2.42E-10	4.01E-10	1.33E-11	6.57E-10
254	742715.78	4110376.39	2.76E-09	5.03E-09	2.76E-10	8.07E-09	4.28E-10	8.25E-10	4.14E-11	1.29E-09	4.16E-10	7.10E-10	5.26E-11	1.18E-09	2.37E-10	3.91E-10	1.30E-11	6.41E-10
255	742702.3	4110396.61	2.68E-09	4.89E-09	2.68E-10	7.84E-09	4.16E-10	8.01E-10	4.02E-11	1.26E-09	4.04E-10	6.89E-10	5.11E-11	1.14E-09	2.30E-10	3.80E-10	1.26E-11	6.23E-10
256	742688.82	4110416.82	2.59E-09	4.73E-09	2.60E-10	7.58E-09	4.02E-10	7.75E-10	3.89E-11	1.22E-09	3.91E-10	6.67E-10	4.94E-11	1.11E-09	2.22E-10	3.68E-10	1.22E-11	6.02E-10
257	742675.34	4110437.04	2.51E-09	4.57E-09	2.51E-10	7.33E-09	3.89E-10	7.50E-10	3.77E-11	1.18E-09	3.78E-10	6.45E-10	4.78E-11	1.07E-09	2.15E-10	3.56E-10	1.18E-11	5.83E-10
258	742661.86	4110457.25	2.43E-09	4.43E-09	2.43E-10	7.11E-09	3.77E-10	7.27E-10	3.65E-11	1.14E-09	3.67E-10	6.25E-10	4.63E-11	1.04E-09	2.08E-10	3.45E-10	1.14E-11	5.65E-10
259	742648.38	4110477.47	2.36E-09	4.31E-09	2.37E-10	6.91E-09	3.67E-10	7.06E-10	3.55E-11	1.11E-09	3.56E-10	6.08E-10	4.50E-11	1.01E-09	2.03E-10	3.35E-10	1.11E-11	5.49E-10
260	742634.9	4110497.68	2.30E-09	4.19E-09	2.30E-10	6.72E-09	3.57E-10	6.87E-10	3.45E-11	1.08E-09	3.47E-10	5.91E-10	4.38E-11	9.82E-10	1.97E-10	3.26E-10	1.08E-11	5.34E-10
261	742621.42	4110517.9	2.24E-09	4.08E-09	2.24E-10	6.54E-09	3.47E-10	6.68E-10	3.36E-11	1.05E-09	3.37E-10	5.75E-10	4.26E-11	9.55E-10	1.92E-10	3.17E-10	1.05E-11	5.19E-10
262	742607.94	4110538.11	2.17E-09	3.95E-09	2.17E-10	6.33E-09	3.36E-10	6.47E-10	3.25E-11	1.02E-09	3.27E-10	5.57E-10	4.13E-11	9.25E-10	1.86E-10	3.07E-10	1.02E-11	5.03E-10
263	742594.46	4110558.33	2.09E-09	3.81E-09	2.09E-10	6.11E-09	3.24E-10	6.24E-10	3.14E-11	9.79E-10	3.15E-10	5.37E-10	3.98E-11	8.92E-10	1.79E-10	2.96E-10	9.82E-12	4.85E-10
264	742773.75	4109609.46	8.53E-09	1.56E-08	8.54E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	4.00E-09	1.29E-09	2.19E-09	1.63E-10	3.64E-09	7.31E-10	1.21E-09	4.01E-11	1.98E-09
265	742760.2	4109589.1	8.82E-09	1.61E-08	8.82E-10	2.58E-08	1.37E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.27E-09	1.68E-10	3.77E-09	7.56E-10	1.25E-09	4.14E-11	2.05E-09
266	742746.65	4109568.74	8.98E-09	1.64E-08	8.98E-10	2.62E-08	1.39E-09	2.68E-09	1.35E-10	4.21E-09	1.35E-09	2.31E-09	1.71E-10	3.83E-09	7.69E-10	1.27E-09	4.22E-11	2.08E-09
267	742733.1	4109548.38	9.02E-09	1.64E-08	9.02E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.23E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.73E-10	1.28E-09	4.24E-11	2.09E-09
268	742719.56	4109528.02	8.94E-09	1.63E-08	8.94E-10	2.61E-08	1.39E-09	2.67E-09	1.34E-10	4.19E-09	1.35E-09	2.30E-09	1.70E-10	3.82E-09	7.66E-10	1.27E-09	4.20E-11	2.08E-09
269	742706.01	4109507.66	8.77E-09	1.60E-08	8.77E-10	2.56E-08	1.36E-09	2.62E-09	1.32E-10	4.11E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.51E-10	1.24E-09	4.12E-11	2.04E-09
270	742692.46	4109487.3	8.51E-09	1.55E-08	8.52E-10	2.49E-08	1.32E-09	2.54E-09	1.28E-10	3.99E-09	1.28E-09	2.19E-09	1.62E-10	3.63E-09	7.29E-10	1.21E-09	4.00E-11	1.98E-09
271	742678.91	4109466.93	8.20E-09	1.49E-08	8.20E-10	2.40E-08	1.27E-09	2.45E-09	1.23E-10	3.84E-09	1.24E-09	2.11E-09	1.56E-10	3.50E-09	7.02E-10	1.16E-09	3.85E-11	1.90E-09
272	742665.36	4109446.57	7.83E-09	1.43E-08	7.83E-10	2.29E-08	1.21E-09	2.34E-09	1.18E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.71E-10	1.11E-09	3.68E-11	1.82E-09
273	742944.86	4109521.91	5.62E-09	1.02E-08	5.62E-10	1.64E-08	8.71E-10	1.68E-09	8.43E-11	2.63E-09	8.47E-10	1.44E-09	1.07E-10	2.40E-09	4.81E-10	7.96E-10	2.64E-11	1.30E-09
274	742949.46	4109545.16	5.50E-09	1.00E-08	5.50E-10	1.61E-08	8.52E-10	1.64E-09	8.25E-11	2.58E-09	8.29E-10	1.41E-09	1.05E-10	2.35E-09	4.71E-10	7.79E-10	2.58E-11	1.28E-09
275	742954.06	4109568.41	5.33E-09	9.71E-09	5.33E-10	1.56E-08	8.26E-10	1.59E-09	8.00E-11	2.50E-09	8.04E-10	1.37E-09	1.02E-10	2.27E-09	4.57E-10	7.56E-10	2.50E-11	1.24E-09
276	742958.66	4109591.66	5.12E-09	9.33E-09	5.12E-10	1.50E-08	7.94E-10	1.53E-09	7.69E-11	2.40E-09	7.72E-10	1.32E-09	9.76E-11	2.19E-09	4.39E-10	7.26E-10	2.41E-11	1.19E-09
277	742963.26	4109614.9	4.89E-09	8.91E-09	4.89E-10	1.43E-08	7.59E-10	1.46E-09	7.34E-11	2.29E-09	7.38E-10	1.26E-09	9.32E-11	2.09E-09	4.19E-10	6.94E-10	2.30E-11	1.14E-09
278	742967.86	4109638.15	4.66E-09	8.49E-09	4.66E-10	1.36E-08	7.23E-10	1.39E-09	6.99E-11	2.18E-09	7.03E-10	1.20E-09	8.88E-11	1.99E-09	3.99E-10	6.61E-10	2.19E-11	1.08E-09
279	742972.46	4109661.4	4.45E-09	8.10E-09	4.45E-10	1.30E-08	6.90E-10	1.33E-09	6.67E-11	2.08E-09	6.71E-10	1.14E-09	8.47E-11	1.90E-09	3.81E-10	6.31E-10	2.09E-11	1.03E-09
280	742977.06	4109684.65	4.27E-09	7.77E-09	4.27E-10	1.25E-08	6.62E-10	1.27E-09	6.40E-11	2.00E-09	6.43E-10	1.10E-09	8.13E-11	1.82E-09	3.66E-10	6.05E-10	2.00E-11	9.90E-10
281	742981.67	4109707.89	4.12E-09	7.51E-09	4.13E-10	1.20E-08	6.39E-10	1.23E-09	6.19E-11	1.93E-09	6.22E-10	1.06E-09	7.86E-11	1.76E-09	3.53E-10	5.85E-10	1.94E-11	9.57E-10
282	742986.27	4109731.14	4.01E-09	7.31E-09	4.02E-10	1.17E-08	6.23E-10	1.20E-09	6.02E-11	1.88E-09	6.05E-10	1.03E-09	7.65E-11	1.71E-09	3.44E-10	5.69E-10	1.89E-11	9.32E-10
283	742990.87	4109754.39	3.93E-09	7.15E-09	3.93E-10	1.15E-08	6.09E-10	1.17E-09	5.89E-11	1.84E-09	5.92E-10	1.01E-09	7.48E-11	1.68E-09	3.36E-10	5.57E-10	1.85E-11	9.12E-10
284	742995.47	4109777.63	3.84E-09	7.01E-09	3.85E-10	1.12E-08	5.96E-10	1.15E-09	5.77E-11	1.80E-09	5.80E-10	9.88E-10	7.33E-11	1.64E-09	3.29E-10	5.45E-10	1.81E-11	8.93E-10

285	743000.07	4109800.88	3.75E-09	6.84E-09	3.76E-10	1.10E-08	5.82E-10	1.12E-09	5.63E-11	1.76E-09	5.66E-10	9.65E-10	7.15E-11	1.60E-09	3.22E-10	5.32E-10	1.76E-11	8.71E-10
286	743004.67	4109824.13	3.65E-09	6.64E-09	3.65E-10	1.07E-08	5.65E-10	1.09E-09	5.47E-11	1.71E-09	5.50E-10	9.37E-10	6.95E-11	1.56E-09	3.12E-10	5.17E-10	1.71E-11	8.46E-10
287	743009.27	4109847.38	3.52E-09	6.41E-09	3.52E-10	1.03E-08	5.46E-10	1.05E-09	5.28E-11	1.65E-09	5.31E-10	9.05E-10	6.71E-11	1.50E-09	3.02E-10	4.99E-10	1.65E-11	8.17E-10
288	743013.87	4109870.62	3.38E-09	6.15E-09	3.38E-10	9.87E-09	5.24E-10	1.01E-09	5.07E-11	1.58E-09	5.09E-10	8.68E-10	6.44E-11	1.44E-09	2.89E-10	4.79E-10	1.59E-11	7.84E-10
289	743018.47	4109893.87	3.23E-09	5.88E-09	3.23E-10	9.43E-09	5.00E-10	9.64E-10	4.84E-11	1.51E-09	4.87E-10	8.30E-10	6.15E-11	1.38E-09	2.77E-10	4.58E-10	1.52E-11	7.49E-10
290	743023.07	4109917.12	3.08E-09	5.61E-09	3.08E-10	8.99E-09	4.77E-10	9.19E-10	4.62E-11	1.44E-09	4.64E-10	7.91E-10	5.86E-11	1.31E-09	2.64E-10	4.36E-10	1.45E-11	7.14E-10
291	743027.68	4109940.37	2.93E-09	5.34E-09	2.93E-10	8.57E-09	4.55E-10	8.76E-10	4.40E-11	1.37E-09	4.42E-10	7.54E-10	5.59E-11	1.25E-09	2.51E-10	4.16E-10	1.38E-11	6.81E-10
292	743032.28	4109963.61	2.80E-09	5.10E-09	2.80E-10	8.18E-09	4.34E-10	8.36E-10	4.20E-11	1.31E-09	4.22E-10	7.19E-10	5.33E-11	1.19E-09	2.40E-10	3.97E-10	1.31E-11	6.50E-10
293	743036.88	4109986.86	2.68E-09	4.87E-09	2.68E-10	7.82E-09	4.15E-10	7.99E-10	4.02E-11	1.25E-09	4.03E-10	6.88E-10	5.10E-11	1.14E-09	2.29E-10	3.79E-10	1.26E-11	6.21E-10
294	743041.48	4110010.11	2.57E-09	4.67E-09	2.57E-10	7.50E-09	3.98E-10	7.66E-10	3.85E-11	1.20E-09	3.87E-10	6.59E-10	4.89E-11	1.10E-09	2.20E-10	3.64E-10	1.21E-11	5.96E-10
295	743046.08	4110033.35	2.47E-09	4.50E-09	2.47E-10	7.21E-09	3.83E-10	7.37E-10	3.70E-11	1.16E-09	3.72E-10	6.34E-10	4.70E-11	1.05E-09	2.11E-10	3.50E-10	1.16E-11	5.73E-10
296	743050.68	4110056.6	2.38E-09	4.34E-09	2.38E-10	6.95E-09	3.69E-10	7.11E-10	3.57E-11	1.12E-09	3.59E-10	6.12E-10	4.53E-11	1.02E-09	2.04E-10	3.37E-10	1.12E-11	5.53E-10
297	743055.28	4110079.85	2.30E-09	4.20E-09	2.30E-10	6.73E-09	3.57E-10	6.88E-10	3.46E-11	1.08E-09	3.47E-10	5.92E-10	4.39E-11	9.83E-10	1.97E-10	3.27E-10	1.08E-11	5.35E-10
298	743059.88	4110103.1	2.24E-09	4.07E-09	2.24E-10	6.53E-09	3.47E-10	6.68E-10	3.35E-11	1.05E-09	3.37E-10	5.75E-10	4.26E-11	9.54E-10	1.92E-10	3.17E-10	1.05E-11	5.19E-10
299	743064.48	4110126.34	2.18E-09	3.97E-09	2.18E-10	6.36E-09	3.38E-10	6.50E-10	3.27E-11	1.02E-09	3.28E-10	5.60E-10	4.15E-11	9.29E-10	1.87E-10	3.09E-10	1.02E-11	5.05E-10
300	743069.08	4110149.59	2.13E-09	3.87E-09	2.13E-10	6.21E-09	3.30E-10	6.35E-10	3.19E-11	9.97E-10	3.21E-10	5.46E-10	4.05E-11	9.08E-10	1.82E-10	3.01E-10	9.99E-12	4.94E-10
301	743060.54	4110192.55	2.10E-09	3.83E-09	2.10E-10	6.15E-09	3.26E-10	6.28E-10	3.16E-11	9.86E-10	3.17E-10	5.41E-10	4.01E-11	8.98E-10	1.80E-10	2.98E-10	9.88E-12	4.88E-10
302	743047.39	4110212.27	2.12E-09	3.87E-09	2.13E-10	6.21E-09	3.29E-10	6.35E-10	3.19E-11	9.96E-10	3.20E-10	5.46E-10	4.05E-11	9.07E-10	1.82E-10	3.01E-10	9.98E-12	4.93E-10
303	743034.24	4110231.99	2.14E-09	3.90E-09	2.14E-10	6.26E-09	3.32E-10	6.40E-10	3.22E-11	1.00E-09	3.23E-10	5.51E-10	4.08E-11	9.15E-10	1.84E-10	3.04E-10	1.01E-11	4.97E-10
304	743021.1	4110251.7	2.15E-09	3.92E-09	2.15E-10	6.29E-09	3.34E-10	6.43E-10	3.23E-11	1.01E-09	3.25E-10	5.54E-10	4.10E-11	9.19E-10	1.85E-10	3.05E-10	1.01E-11	5.00E-10
305	743007.95	4110271.42	2.16E-09	3.93E-09	2.16E-10	6.31E-09	3.35E-10	6.45E-10	3.24E-11	1.01E-09	3.26E-10	5.55E-10	4.11E-11	9.22E-10	1.85E-10	3.06E-10	1.01E-11	5.01E-10
306	742994.8	4110291.14	2.16E-09	3.93E-09	2.16E-10	6.30E-09	3.34E-10	6.44E-10	3.24E-11	1.01E-09	3.25E-10	5.54E-10	4.11E-11	9.20E-10	1.85E-10	3.06E-10	1.01E-11	5.01E-10
307	742981.65	4110310.85	2.15E-09	3.91E-09	2.15E-10	6.27E-09	3.33E-10	6.41E-10	3.22E-11	1.01E-09	3.23E-10	5.51E-10	4.09E-11	9.16E-10	1.84E-10	3.04E-10	1.01E-11	4.98E-10
308	742968.51	4110330.57	2.13E-09	3.88E-09	2.13E-10	6.22E-09	3.30E-10	6.36E-10	3.19E-11	9.97E-10	3.21E-10	5.47E-10	4.05E-11	9.08E-10	1.82E-10	3.02E-10	1.00E-11	4.94E-10
309	742955.36	4110350.29	2.10E-09	3.83E-09	2.11E-10	6.15E-09	3.26E-10	6.29E-10	3.16E-11	9.86E-10	3.17E-10	5.41E-10	4.01E-11	8.98E-10	1.80E-10	2.98E-10	9.89E-12	4.88E-10
310	742942.21	4110370	2.08E-09	3.78E-09	2.08E-10	6.07E-09	3.22E-10	6.20E-10	3.12E-11	9.73E-10	3.13E-10	5.34E-10	3.96E-11	8.86E-10	1.78E-10	2.94E-10	9.75E-12	4.82E-10
311	742929.06	4110389.72	2.04E-09	3.72E-09	2.04E-10	5.97E-09	3.17E-10	6.10E-10	3.07E-11	9.58E-10	3.08E-10	5.25E-10	3.89E-11	8.72E-10	1.75E-10	2.90E-10	9.60E-12	4.74E-10
312	742915.92	4110409.44	2.01E-09	3.66E-09	2.01E-10	5.86E-09	3.11E-10	5.99E-10	3.01E-11	9.41E-10	3.03E-10	5.16E-10	3.82E-11	8.57E-10	1.72E-10	2.84E-10	9.43E-12	4.66E-10
313	742902.77	4110429.16	1.97E-09	3.59E-09	1.97E-10	5.75E-09	3.05E-10	5.88E-10	2.95E-11	9.22E-10	2.97E-10	5.06E-10	3.75E-11	8.40E-10	1.69E-10	2.79E-10	9.25E-12	4.57E-10
314	742889.62	4110448.87	1.93E-09	3.51E-09	1.93E-10	5.63E-09	2.99E-10	5.76E-10	2.89E-11	9.04E-10	2.91E-10	4.96E-10	3.67E-11	8.23E-10	1.65E-10	2.73E-10	9.06E-12	4.48E-10
315	742876.47	4110468.59	1.89E-09	3.44E-09	1.89E-10	5.52E-09	2.93E-10	5.64E-10	2.83E-11	8.85E-10	2.85E-10	4.85E-10	3.60E-11	8.06E-10	1.62E-10	2.68E-10	8.87E-12	4.38E-10
316	742863.33	4110488.31	1.85E-09	3.37E-09	1.85E-10	5.40E-09	2.86E-10	5.52E-10	2.77E-11	8.66E-10	2.79E-10	4.75E-10	3.52E-11	7.89E-10	1.58E-10	2.62E-10	8.68E-12	4.29E-10
317	742850.18	4110508.02	1.81E-09	3.29E-09	1.81E-10	5.28E-09	2.80E-10	5.40E-10	2.71E-11	8.48E-10	2.73E-10	4.65E-10	3.45E-11	7.72E-10	1.55E-10	2.56E-10	8.50E-12	4.20E-10
318	742837.03	4110527.74	1.77E-09	3.22E-09	1.77E-10	5.17E-09	2.74E-10	5.29E-10	2.66E-11	8.30E-10	2.67E-10	4.55E-10	3.37E-11	7.56E-10	1.52E-10	2.51E-10	8.32E-12	4.11E-10
319	742823.89	4110547.46	1.73E-09	3.16E-09	1.73E-10	5.07E-09	2.69E-10	5.18E-10	2.60E-11	8.13E-10	2.61E-10	4.46E-10	3.30E-11	7.40E-10	1.49E-10	2.46E-10	8.15E-12	4.03E-10
320	742810.74	4110567.17	1.70E-09	3.10E-09	1.70E-10	4.97E-09	2.64E-10	5.08E-10	2.55E-11	7.98E-10	2.57E-10	4.37E-10	3.24E-11	7.26E-10	1.46E-10	2.41E-10	7.99E-12	3.95E-10
321	742797.59	4110586.89	1.67E-09	3.05E-09	1.67E-10	4.88E-09	2.59E-10	4.99E-10	2.51E-11	7.84E-10	2.52E-10	4.30E-10	3.19E-11	7.14E-10	1.43E-10	2.37E-10	7.86E-12	3.88E-10
322	742784.44	4110606.61	1.64E-09	3.00E-09	1.64E-10	4.80E-09	2.55E-10	4.91E-10	2.47E-11	7.71E-10	2.48E-10	4.23E-10	3.13E-11	7.02E-10	1.41E-10	2.33E-10	7.72E-12	3.82E-10
323	742771.3	4110626.32	1.62E-09	2.94E-09	1.62E-10	4.72E-09	2.50E-10	4.83E-10	2.42E-11	7.57E-10	2.44E-10	4.15E-10	3.08E-11	6.90E-10	1.38E-10	2.29E-10	7.59E-12	3.75E-10
324	742758.15	4110646.04	1.58E-09	2.89E-09	1.58E-10	4.63E-09	2.46E-10	4.73E-10	2.38E-11	7.42E-10	2.39E-10	4.07E-10	3.02E-11	6.76E-10	1.36E-10	2.25E-10	7.44E-12	3.68E-10
325	742745	4110665.76	1.55E-09	2.82E-09	1.55E-10	4.52E-09	2.40E-10	4.62E-10	2.32E-11	7.25E-10	2.33E-10	3.98E-10	2.95E-11	6.60E-10	1.33E-10	2.19E-10	7.27E-12	3.59E-10
326	742731.85	4110685.47	1.51E-09	2.74E-09	1.51E-10	4.40E-09	2.33E-10	4.50E-10	2.26E-11	7.06E-10	2.27E-10	3.87E-10	2.87E-11	6.43E-10	1.29E-10	2.13E-10	7.07E-12	3.49E-10
327	742718.71	4110705.19	1.46E-09	2.66E-09	1.46E-10	4.27E-09	2.26E-10	4.36E-10	2.19E-11	6.85E-10	2.20E-10	3.75E-10	2.78E-11	6.23E-10	1.25E-10	2.07E-10	6.86E-12	3.39E-10
328	742705.56	4110724.91	1.41E-09	2.58E-09	1.42E-10	4.13E-09	2.19E-10	4.22E-10	2.12E-11	6.63E-10	2.13E-10	3.64E-10	2.69E-11	6.04E-10	1.21E-10	2.01E-10	6.65E-12	3.28E-10
329	742940.26	4109498.67	5.68E-09	1.04E-08	5.69E-10	1.66E-08	8.81E-10	1.70E-09	8.53E-11	2.66E-09	8.57E-10	1.46E-09	1.08E-10	2.43E-09	4.87E-10	8.06E-10	2.67E-11	1.32E-09
330	742926.71	4109478.31	5.80E-09	1.06E-08	5.81E-10	1.70E-08	9.00E-10	1.73E-09	8.71E-11	2.72E-09	8.75E-10	1.49E-09	1.11E-10	2.48E-09	4.97E-10	8.23E-10	2.73E-11	1.35E-09
331	742913.16	4109457.95	5.87E-09	1.07E-08	5.87E-10	1.71E-08	9.10E-10	1.75E-09	8.81E-11	2.75E-09	8.85E-10	1.51E-09	1.12E-10	2.50E-09	5.03E-10	8.32E-10	2.76E-11	1.36E-09
332	742899.61	4109437.58	5.88E-09	1.07E-08	5.88E-10	1.72E-08	9.11E-10	1.76E-09	8.82E-11	2.76E-09	8.86E-10	1.51E-09	1.12E-10	2.51E-09	5.04E-10	8.33E-10	2.76E-11	1.36E-09
333	742886.06	4109417.22	5.84E-09	1.06E-08	5.84E-10	1.71E-08	9.05E-10	1.74E-09	8.76E-11	2.74E-09	8.80E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.28E-10	2.74E-11	1.36E-09
334	742872.51	4109396.86	5.75E-09	1.05E-08	5.76E-10	1.68E-08	8.92E-10	1.72E-09	8.63E-11	2.70E-09	8.68E-10	1.48E-09	1.10E-10	2.46E-09	4.93E-10	8.16E-10	2.70E-11	1.34E-09
335	742858.96	4109376.5	5.64E-09	1.03E-08	5.64E-10	1.65E-08	8.74E-10	1.68E-09	8.46E-11	2.64E-09	8.50E-10	1.45E-09	1.07E-10	2.41E-09	4.83E-10	7.99E-10	2.65E-11	1.31E-09
336	742845.42	4109356.14	5.49E-09	1.00E-08	5.50E-10	1.60E-08	8.52E-10	1.64E-09	8.24E-11	2.58E-09	8.28E-10	1.41E-09	1.05E-10	2.34E-09	4.71E-10	7.79E-10	2.58E-11	1.28E-09
337	742831.87	4109335.78	5.33E-09	9.71E-09	5.33E-10	1.56E-08	8.27E-10	1.59E-09	8.00E-11	2.50E-09	8.04E-10	1.37E-09	1.02E-10	2.28E-09	4.57E-10	7.56E-10	2.50E-11	1.24E-09
338	743111.42	4109411.41	4.10E-09	7.48E-09	4.11E-10	1.20E-08	6.36E-10	1.23E-09	6.16E-11	1.92E-09	6.19E-10	1.05E-09	7.82E-11	1.75E-09	3.52E-10	5.82E-10	1.93E-11	9.53E-10
339	743116.08	4109434.96	4.05E-09	7.38E-09	4.05E-10	1.18E-08	6.28E-10	1.21E-09	6.08E-11	1.90E-09	6.11E-10	1.04E-09	7.72E-11	1.73E-09	3.47E-10	5.74E-10	1.90E-11	9.41E-10
340	743120.74	4109458.5	3.97E-09	7.23E-09	3.97E-10	1.16E-08	6.16E-10	1.19E-09	5.96E-11	1.86E-09	5.99E-10	1.02E-09	7.56E-11	1.69E-09	3.40E-10	5.63E-10	1.87E-11	9.22E-10
341	743125.4	4109482.04	3.86E-09	7.03E-09	3.86E-10	1.13E-08	5.98E-10	1.15E-09	5.79E-11	1.81E-09	5.82E-10	9.92E-10	7.35E-11	1.65E-09	3.31E-10	5.47E-10	1.81E-11	8.96E-10
342	743130.06	4109505.58	3.72E-09	6.78E-09	3.73E-10	1.09E-08	5.77E-10	1.11E-09	5.59E-11	1.75E-09	5.61E-10	9.57E-10	7.09E-11	1.59E-09	3.19E-10	5.28E-10	1.75E-11	8.64E-10
343	743134.72	4109529.13	3.57E-09	6.51E-09	3.57E-10	1.04E-08	5.54E-10	1.07E-09	5.36E-11	1.67E-09	5.39E-10	9.18E-10	6.81E-11	1.52E-09	3.06E-10	5.06E-10	1.68E-11	8.29E-10
344	743139.38	4109552.67	3.41E-09	6.22E-09	3.41E-10	9.97E-09	5.29E-10	1.02E-09	5.12E-11	1.60E-09	5.15E-10	8.77E-10	6.50E-11	1.46E-09	2.92E-10	4.84E-10	1.60E-11	7.92E-10
345	743144.04	4109576.21	3.26E-09	5.94E-09	3.26E-10	9.53E-09	5.06E-10	9.74E-10	4.89E-11	1.53E-09	4.92E-10	8.38E-10	6.21E-11	1.39E-09	2.79E-10	4.62E-10	1.53E-11	7.57E-10
346	743148.7	4109599.75	3.12E-09	5.69E-09	3.13E-10	9.13E-09	4.85E-10	9.33E-10	4.69E-11	1.46E-09	4.71E-10	8.03E-10	5.95E-11	1.33E-09	2.68E-10	4.43E-10	1.47E-11	7.25E-10
347	743153.36	4109623.3	3.01E-09	5.49E-09	3.01E-10	8.80E-09	4.67E-10	9.00E-10	4.52E-11	1.41E-09	4.54E-10	7.74E-10	5.74E-11	1.29E-09	2.58E-10	4.27E-10	1.42E-11	6.99E-10
348	743158.02	4109646.84	2.92E-09	5.33E-09	2.93E-10	8.54E-09	4.53E-10	8.74E-10	4.39E-11	1.37E-09	4.41E-10	7.52E-10	5.57E-11	1.25E-09	2.51E-10	4.15E-10	1.37E-11	6.79E-10
349	743162.68	4109670.38	2.86E-09	5.21E-09	2.86E-10	8.36E-09	4.44E-10	8.55E-10	4.29E-11	1.34E-09	4.31E-10	7.36E-10	5.45E-11	1.22E-09	2.45E-10	4.06E-10	1.34E-11	6.64E-10
350	743167.34	4109693.92	2.82E-09	5.13E-09	2.82E-10	8.23E-09	4.37E-10	8.42E-10	4.23E-11	1.32E-09	4.25E-10	7.24E-10	5.37E-11	1.20E-09	2.41E-10	3.99E-10	1.32E-11	6.54E-10
351	743171.99	4109717.47	2.78E-09	5.07E-09	2.78E-10	8.13E-09	4.32E-10	8.31E-10	4.18E-11	1.30E-09	4.20E-10	7.15E-10	5.30E-11	1.19E-09	2.38E-10	3.95E-10	1.31E-11	6.46E-10
352	743176.65	4109741.01	2.75E-09	5.01E-09	2.75E-10	8.04E-09	4.27E-10	8.22E-10	4.13E-11	1.29E-09	4.15E-10	7.07E-10	5.24E-11	1.17E-09	2.36E-10	3.90E-10	1.29E-11	6.39E-10
353	743181.31	4109764.55	2.71E-09	4.94E-09	2.71E-10	7.92E-09	4.20E-10	8.10E-10	4.07E-11	1.27E-09	4.09E-10	6.97E-10	5.17E-11	1.16E-09	2.32E-10	3.84E-10	1.27E-11	6.29E-10
354	743185.97	4109788.09	2.66E-09	4.84E-09	2.66E-10	7.77E-09	4.12E-10	7.94E-10	3.99E-11	1.25E-09	4.01E-10	6.83E-10	5.06E-11	1.13E-09	2.28E-10	3.77E-10	1.25E-11	6.17E-10
355	743190.63	4109811.64	2.59E-09	4.72E-09	2.59E-10	7.57E-09	4.01E-10	7.73E-10	3.89E-11	1.21E-09	3.90E-10	6.66E-10	4.93E-11	1.11E-09	2.22E-10	3.67E-10	1.22E-11	6.01E-10
356	743195.29	4109835.18	2.51E-09	4.57E-09	2.51E-10	7.33E-09	3.89E-10	7.49E-10	3.76E-11	1.18E-09	3.78E-10	6.44E-10	4.78E-11	1.07E-09	2.15E-10	3.55E-10	1.18E-11	5.82E-10
357	743199.95	4109858.72	2.42E-09	4.40E-09	2.42E-10	7.06E-09	3.75E-10	7.22E-10	3.63E-11	1.13E-09	3.64E-10	6.21E-10	4.60E-11	1.03E-09	2.07E-10	3.42E-10	1.14E-11	5.61E-10
358	743204.61	4109882.26	2.32E-09	4.23E-09	2.32E-10	6.78E-09	3.60E-10	6.93E-10	3.48E-11	1.09E-09	3.50E-10	5.96E-10	4.42E-11	9.90E-10	1.99E-10	3.29E-10	1.09E-11	5.39E-10
359	743209.27	4109905.81	2.22E-09	4.05E-09	2.22E-10	6.50E-09	3.45E-10	6.64E-10	3.34E-11	1.04E-09	3.35E-10	5.71E-10	4.24E-11	9.49E-10	1.90E-10	3.15E-10	1.04E-11	5.16E-10
360	743213.93	4109929.35	2.13E-09	3.88E-09	2.13E-10	6.23E-09	3.30E-10	6.37E-10	3.20E-11	9.99E-10	3.21E-10	5.48E-10	4.06E-11	9.10E-10	1.83E-10	3.02E-10	1.00E-11	4.95E-10
361	743218.59	4109952.89	2.05E-09	3.73E-09	2.05E-10	5.98E-09	3.17E-10	6.11E-10	3.07E-11	9.59E-10	3.08E-10	5.26E-10	3.90E-11	8.73E-10	1.75E-10	2.90E-10	9.61E-12	4.75E-10
362	743223.25	4109976.43	1.97E-09	3.58E-09	1.97E-10	5.75E-09	3.05E-10	5.88E-10	2.95E-11	9.22E-10	2.97E-10	5.06E-10	3.75E-11	8.40E-10	1.69E-10	2.79E-10	9.25E-12	4.57E-10
363	743227.91	4109999.98	1.90E-09	3.46E-09	1.90E-10	5.55E-09	2.94E-10	5.67E-10	2.85E-11	8.90E-10	2.86E-10	4.88E-10	3.62E-11	8.10E-10	1.63E-10	2.69E-10	8.92E-12	4.41E-10
364	743232.57	4110023.52	1.84E-09	3.35E-09	1.84E-10	5.37E-09	2.85E-10	5.48E-10	2.76E-11	8.61E-10	2.77E-10	4.72E-10	3.50E-11	7.84E-10	1.57E-10	2.60E-10	8.63E-12	4.26E-10
365	743237.23	4110047.06	1.78E-09	3.24E-09	1.78E-10	5.20E-09	2.76E-10	5.32E-10	2.67E-11	8.35E-10	2.69E-10	4.58E-10	3.39E-11	7.60E-10	1.53E-10	2.52E-10	8.37E-12	4.13E-10
366	743241.89	4110070.6	1.73E-09	3.15E-09	1.73E-10	5.06E-09	2.68E-10	5.17E-10	2.60E-11	8.12E-10	2.61E-10	4.45E-10	3.30E-11	7.39E-10	1.48E-10	2.45E-10	8.14E-12	4.02E-10
367	743246.55	4110094.14	1.69E-09	3.07E-09	1.69E-10	4.93E-09	2.62E-10	5.04E-10	2.53E-11	7.91E-10	2.54E-10	4.34E-10	3.21E-11	7.20E-10	1.45E-10	2.39E-10	7.93E-12	3.92E-10
368	743251.2	4110117.69	1.65E-09	3.00E-09	1.65E-10	4.81E-09	2.55E-10	4.92E-10	2.47E-11	7.72E-10	2.48E-10	4.23E-10	3.14E-11	7.03E-10	1.41E-10	2.33E-10	7.74E-12	3.82E-10
369	743255.86	4110141.23	1.61E-09	2.93E-09	1.61E-10	4.71E-09	2.50E-10	4.81E-10	2.42E-11	7.55E-10	2.43E-10	4.14E-10	3.07E-11	6.88E-10	1.38E-10	2.28E-10	7.57E-12	3.74E-10
370	743260.52	4110164.77	1.58E-09	2.88E-09	1.58E-10	4.61E-09	2.45E-10	4.72E-10	2.37E-11	7.40E-10	2.38E-10	4.06E-10	3.01E-11	6.74E-10	1.35E-10	2.24E-10	7.42E-12	3.67E-10
371	743265.18	4110188.31	1.55E-09	2.83E-09	1.55E-10	4.53E-09	2.40E-10	4.63E-10	2.33E-11	7.27E-10	2.34E-10	3.99E-10	2.95E-11	6.62E-10	1.33E-10	2.20E-10	7.29E-12	3.60E-10
372	743256.53	4110231.82	1.54E-09	2.81E-09	1.54E-10	4.51E-09	2.39E-10	4.61E-10	2.32E-11	7.23E-10	2.33E-10	3.97E-10	2.94E-11	6.59E-10	1.32E-10	2.19E-10	7.25E-12	3.58E-10
373	743243.21	4110251.79	1.56E-09	2.84E-09	1.56E-10	4.56E-09	2.42E-10	4.66E-10	2.34E-11	7.32E-10	2.35E-10	4.01E-10	2.97E-11	6.66E-10	1.34E-10	2.21E-10	7.34E-12	3.62E-10
374	743229.9	4110271.76	1.58E-09	2.88E-09	1.58E-10	4.61E-09	2.45E-10	4.72E-10	2.37E-11	7.40E-10	2.38E-10	4.06E-10	3.01E-11	6.74E-10	1.35E-10	2.24E-10	7.42E-12	3.67E-10
375	743216.58	4110291.73	1.60E-09	2.91E-09	1.60E-10	4.66E-09	2.47E-10	4.77E-10	2.39E-11	7.48E-10	2.41E-10	4.10E-10	3.04E-11	6.81E-10	1.37E-10	2.26E-10	7.50E-12	3.70E-10
376	743203.27	4110311.69	1.61E-09	2.93E-09	1.61E-10	4.70E-09	2.49E-10	4.80E-10	2.41E-11	7.54E-10	2.42E-10	4.13E-10	3.06E-11	6.86E-10	1.38E-10	2.28E-10	7.56E-12	3.73E-10
377	743189.96	4110331.66	1.62E-09	2.94E-09	1.62E-10	4.72E-09	2.51E-10	4.83E-10	2.43E-11	7.58E-10	2.44E-10	4.15E-10	3.08E-11	6.90E-10	1.38E-10	2.29E-10	7.59E-12	3.75E-10
378	743176.64	4110351.63	1.62E-09	2.95E-09	1.62E-10	4.73E-09	2.51E-10	4.84E-10	2.43E-11	7.59E-10	2.44E-10	4.16E-10	3.08E-11	6.91E-10	1.39E-10	2.29E-10	7.61E-12	3.76E-10
379	743163.33	4110371.59	1.62E-09	2.94E-09	1.62E-10	4.72E-09	2.50E-10	4.82E-10	2.42E-11	7.57E-10	2.44E-10	4.15E-10	3.08E-11	6.89E-10	1.38E-10	2.29E-10	7.59E-12	3.75E-10
380	743150.01	4110391.56	1.61E-09	2.93E-09	1.61E-10	4.69E-09	2.49E-10	4.80E-10	2.41E-11	7.53E-10	2.42E-10	4.13E-10	3.06E-11	6.86E-10	1.38E-10	2.28E-10	7.55E-12	3.73E-10

381	743136.7	4110411.53	1.59E-09	2.90E-09	1.59E-10	4.65E-09	2.47E-10	4.75E-10	2.39E-11	7.46E-10	2.40E-10	4.09E-10	3.03E-11	6.79E-10	1.36E-10	2.26E-10	7.48E-12	3.69E-10
382	743123.38	4110431.5	1.57E-09	2.86E-09	1.57E-10	4.59E-09	2.44E-10	4.70E-10	2.36E-11	7.37E-10	2.37E-10	4.04E-10	3.00E-11	6.71E-10	1.35E-10	2.23E-10	7.39E-12	3.65E-10
383	743110.07	4110451.46	1.55E-09	2.82E-09	1.55E-10	4.52E-09	2.40E-10	4.62E-10	2.32E-11	7.26E-10	2.33E-10	3.98E-10	2.95E-11	6.61E-10	1.33E-10	2.19E-10	7.28E-12	3.59E-10
384	743096.76	4110471.43	1.52E-09	2.77E-09	1.52E-10	4.44E-09	2.36E-10	4.54E-10	2.28E-11	7.13E-10	2.29E-10	3.91E-10	2.90E-11	6.49E-10	1.30E-10	2.16E-10	7.15E-12	3.53E-10
385	743083.44	4110491.4	1.49E-09	2.72E-09	1.49E-10	4.36E-09	2.31E-10	4.45E-10	2.24E-11	6.99E-10	2.25E-10	3.83E-10	2.84E-11	6.37E-10	1.28E-10	2.11E-10	7.01E-12	3.46E-10
386	743070.13	4110511.36	1.46E-09	2.66E-09	1.46E-10	4.26E-09	2.26E-10	4.36E-10	2.19E-11	6.84E-10	2.20E-10	3.75E-10	2.78E-11	6.23E-10	1.25E-10	2.07E-10	6.86E-12	3.39E-10
387	743056.81	4110531.33	1.43E-09	2.60E-09	1.43E-10	4.17E-09	2.21E-10	4.26E-10	2.14E-11	6.69E-10	2.15E-10	3.67E-10	2.72E-11	6.09E-10	1.22E-10	2.02E-10	6.70E-12	3.31E-10
388	743043.5	4110551.3	1.39E-09	2.54E-09	1.40E-10	4.08E-09	2.16E-10	4.17E-10	2.09E-11	6.54E-10	2.10E-10	3.59E-10	2.66E-11	5.96E-10	1.20E-10	1.98E-10	6.56E-12	3.24E-10
389	743030.18	4110571.27	1.37E-09	2.49E-09	1.37E-10	3.99E-09	2.12E-10	4.08E-10	2.05E-11	6.41E-10	2.06E-10	3.51E-10	2.60E-11	5.83E-10	1.17E-10	1.94E-10	6.42E-12	3.17E-10
390	743016.87	4110591.23	1.34E-09	2.45E-09	1.34E-10	3.92E-09	2.08E-10	4.01E-10	2.01E-11	6.29E-10	2.02E-10	3.45E-10	2.56E-11	5.73E-10	1.15E-10	1.90E-10	6.31E-12	3.12E-10
391	743003.56	4110611.2	1.32E-09	2.41E-09	1.32E-10	3.86E-09	2.05E-10	3.95E-10	1.98E-11	6.20E-10	1.99E-10	3.40E-10	2.52E-11	5.64E-10	1.13E-10	1.87E-10	6.21E-12	3.07E-10
392	742990.24	4110631.17	1.31E-09	2.38E-09	1.31E-10	3.81E-09	2.02E-10	3.90E-10	1.96E-11	6.12E-10	1.97E-10	3.36E-10	2.49E-11	5.57E-10	1.12E-10	1.85E-10	6.14E-12	3.03E-10
393	742976.93	4110651.13	1.29E-09	2.35E-09	1.29E-10	3.78E-09	2.00E-10	3.86E-10	1.94E-11	6.06E-10	1.95E-10	3.32E-10	2.46E-11	5.52E-10	1.11E-10	1.83E-10	6.07E-12	3.00E-10
394	742963.61	4110671.1	1.28E-09	2.34E-09	1.28E-10	3.75E-09	1.99E-10	3.83E-10	1.92E-11	6.01E-10	1.93E-10	3.29E-10	2.44E-11	5.47E-10	1.10E-10	1.82E-10	6.02E-12	2.98E-10
395	742950.3	4110691.07	1.27E-09	2.32E-09	1.27E-10	3.72E-09	1.97E-10	3.80E-10	1.91E-11	5.96E-10	1.92E-10	3.27E-10	2.42E-11	5.43E-10	1.09E-10	1.80E-10	5.98E-12	2.95E-10
396	742936.98	4110711.03	1.26E-09	2.30E-09	1.26E-10	3.69E-09	1.96E-10	3.77E-10	1.89E-11	5.91E-10	1.90E-10	3.24E-10	2.40E-11	5.39E-10	1.08E-10	1.79E-10	5.93E-12	2.93E-10
397	742923.67	4110731	1.25E-09	2.28E-09	1.25E-10	3.65E-09	1.94E-10	3.73E-10	1.88E-11	5.86E-10	1.88E-10	3.21E-10	2.38E-11	5.34E-10	1.07E-10	1.77E-10	5.87E-12	2.90E-10
398	742910.36	4110750.97	1.23E-09	2.25E-09	1.24E-10	3.61E-09	1.91E-10	3.69E-10	1.85E-11	5.79E-10	1.86E-10	3.17E-10	2.35E-11	5.27E-10	1.06E-10	1.75E-10	5.80E-12	2.87E-10
399	742897.04	4110770.94	1.22E-09	2.22E-09	1.22E-10	3.56E-09	1.89E-10	3.63E-10	1.83E-11	5.70E-10	1.83E-10	3.13E-10	2.32E-11	5.19E-10	1.04E-10	1.72E-10	5.72E-12	2.82E-10
400	742883.73	4110790.9	1.19E-09	2.18E-09	1.19E-10	3.49E-09	1.85E-10	3.57E-10	1.79E-11	5.60E-10	1.80E-10	3.07E-10	2.27E-11	5.10E-10	1.02E-10	1.69E-10	5.61E-12	2.77E-10
401	742870.41	4110810.87	1.17E-09	2.13E-09	1.17E-10	3.41E-09	1.81E-10	3.49E-10	1.75E-11	5.48E-10	1.76E-10	3.00E-10	2.23E-11	4.99E-10	1.00E-10	1.66E-10	5.49E-12	2.71E-10
402	742857.1	4110830.84	1.14E-09	2.08E-09	1.14E-10	3.33E-09	1.77E-10	3.40E-10	1.71E-11	5.34E-10	1.72E-10	2.93E-10	2.17E-11	4.86E-10	9.76E-11	1.61E-10	5.35E-12	2.64E-10
403	742843.78	4110850.8	1.11E-09	2.02E-09	1.11E-10	3.24E-09	1.72E-10	3.31E-10	1.66E-11	5.20E-10	1.67E-10	2.85E-10	2.11E-11	4.73E-10	9.50E-11	1.57E-10	5.21E-12	2.57E-10
404	742830.47	4110870.77	1.08E-09	1.96E-09	1.08E-10	3.15E-09	1.67E-10	3.22E-10	1.62E-11	5.05E-10	1.62E-10	2.77E-10	2.05E-11	4.60E-10	9.22E-11	1.53E-10	5.06E-12	2.50E-10
405	742817.16	4110890.74	1.04E-09	1.90E-09	1.04E-10	3.05E-09	1.62E-10	3.12E-10	1.57E-11	4.89E-10	1.57E-10	2.68E-10	1.99E-11	4.46E-10	8.94E-11	1.48E-10	4.90E-12	2.42E-10
406	743106.76	4109387.87	4.13E-09	7.52E-09	4.13E-10	1.21E-08	6.40E-10	1.23E-09	6.19E-11	1.93E-09	6.22E-10	1.06E-09	7.86E-11	1.76E-09	3.54E-10	5.85E-10	1.94E-11	9.58E-10
407	743093.21	4109367.51	4.18E-09	7.62E-09	4.18E-10	1.22E-08	6.49E-10	1.25E-09	6.28E-11	1.96E-09	6.31E-10	1.08E-09	7.97E-11	1.79E-09	3.58E-10	5.93E-10	1.97E-11	9.71E-10
408	743079.67	4109347.15	4.21E-09	7.67E-09	4.21E-10	1.23E-08	6.53E-10	1.26E-09	6.32E-11	1.97E-09	6.35E-10	1.08E-09	8.02E-11	1.80E-09	3.61E-10	5.97E-10	1.98E-11	9.77E-10
409	743066.12	4109326.79	4.21E-09	7.67E-09	4.21E-10	1.23E-08	6.53E-10	1.26E-09	6.32E-11	1.97E-09	6.35E-10	1.08E-09	8.02E-11	1.80E-09	3.61E-10	5.97E-10	1.98E-11	9.78E-10
410	743052.57	4109306.43	4.19E-09	7.63E-09	4.19E-10	1.22E-08	6.49E-10	1.25E-09	6.28E-11	1.96E-09	6.31E-10	1.08E-09	7.98E-11	1.79E-09	3.59E-10	5.93E-10	1.97E-11	9.72E-10
411	743039.02	4109286.07	4.14E-09	7.54E-09	4.14E-10	1.21E-08	6.42E-10	1.24E-09	6.21E-11	1.94E-09	6.24E-10	1.06E-09	7.88E-11	1.77E-09	3.55E-10	5.87E-10	1.94E-11	9.61E-10
412	743025.47	4109265.7	4.07E-09	7.42E-09	4.07E-10	1.19E-08	6.31E-10	1.22E-09	6.11E-11	1.91E-09	6.14E-10	1.05E-09	7.76E-11	1.74E-09	3.49E-10	5.77E-10	1.91E-11	9.45E-10
413	743011.92	4109245.34	3.99E-09	7.27E-09	3.99E-10	1.17E-08	6.19E-10	1.19E-09	5.99E-11	1.87E-09	6.02E-10	1.03E-09	7.60E-11	1.70E-09	3.42E-10	5.66E-10	1.87E-11	9.26E-10
414	742998.37	4109224.98	3.90E-09	7.10E-09	3.90E-10	1.14E-08	6.05E-10	1.16E-09	5.85E-11	1.83E-09	5.88E-10	1.00E-09	7.43E-11	1.66E-09	3.34E-10	5.53E-10	1.83E-11	9.05E-10
415	743277.97	4109300.83	3.15E-09	5.75E-09	3.16E-10	9.22E-09	4.89E-10	9.42E-10	4.73E-11	1.48E-09	4.76E-10	8.11E-10	6.01E-11	1.35E-09	2.70E-10	4.47E-10	1.48E-11	7.32E-10
416	743282.67	4109324.58	3.13E-09	5.71E-09	3.14E-10	9.16E-09	4.86E-10	9.36E-10	4.70E-11	1.47E-09	4.73E-10	8.06E-10	5.97E-11	1.34E-09	2.69E-10	4.44E-10	1.47E-11	7.28E-10
417	743287.37	4109348.33	3.10E-09	5.64E-09	3.10E-10	9.05E-09	4.80E-10	9.25E-10	4.65E-11	1.45E-09	4.67E-10	7.96E-10	5.90E-11	1.32E-09	2.65E-10	4.39E-10	1.45E-11	7.19E-10
418	743292.07	4109372.08	3.04E-09	5.54E-09	3.04E-10	8.88E-09	4.71E-10	9.08E-10	4.56E-11	1.42E-09	4.58E-10	7.81E-10	5.79E-11	1.30E-09	2.60E-10	4.31E-10	1.43E-11	7.05E-10
419	743296.77	4109395.83	2.96E-09	5.40E-09	2.96E-10	8.65E-09	4.59E-10	8.85E-10	4.44E-11	1.39E-09	4.47E-10	7.61E-10	5.64E-11	1.26E-09	2.54E-10	4.20E-10	1.39E-11	6.87E-10
420	743301.47	4109419.58	2.87E-09	5.23E-09	2.87E-10	8.38E-09	4.45E-10	8.57E-10	4.30E-11	1.34E-09	4.32E-10	7.37E-10	5.47E-11	1.22E-09	2.46E-10	4.07E-10	1.35E-11	6.66E-10
421	743306.17	4109443.33	2.76E-09	5.03E-09	2.76E-10	8.07E-09	4.28E-10	8.25E-10	4.15E-11	1.29E-09	4.17E-10	7.10E-10	5.26E-11	1.18E-09	2.37E-10	3.92E-10	1.30E-11	6.41E-10
422	743310.87	4109467.09	2.65E-09	4.83E-09	2.65E-10	7.74E-09	4.11E-10	7.91E-10	3.98E-11	1.24E-09	3.99E-10	6.81E-10	5.05E-11	1.13E-09	2.27E-10	3.76E-10	1.24E-11	6.15E-10
423	743315.58	4109490.84	2.54E-09	4.62E-09	2.54E-10	7.42E-09	3.94E-10	7.58E-10	3.81E-11	1.19E-09	3.83E-10	6.52E-10	4.84E-11	1.08E-09	2.17E-10	3.60E-10	1.19E-11	5.89E-10
424	743320.28	4109514.59	2.43E-09	4.43E-09	2.43E-10	7.11E-09	3.77E-10	7.27E-10	3.65E-11	1.14E-09	3.67E-10	6.25E-10	4.64E-11	1.04E-09	2.08E-10	3.45E-10	1.14E-11	5.65E-10
425	743324.98	4109538.34	2.34E-09	4.26E-09	2.34E-10	6.83E-09	3.63E-10	6.98E-10	3.51E-11	1.10E-09	3.53E-10	6.01E-10	4.45E-11	9.98E-10	2.00E-10	3.31E-10	1.10E-11	5.43E-10
426	743329.68	4109562.09	2.26E-09	4.12E-09	2.26E-10	6.60E-09	3.50E-10	6.75E-10	3.39E-11	1.06E-09	3.41E-10	5.81E-10	4.30E-11	9.64E-10	1.94E-10	3.20E-10	1.06E-11	5.24E-10
427	743334.38	4109585.84	2.20E-09	4.01E-09	2.20E-10	6.43E-09	3.41E-10	6.57E-10	3.30E-11	1.03E-09	3.32E-10	5.65E-10	4.19E-11	9.39E-10	1.88E-10	3.12E-10	1.03E-11	5.11E-10
428	743339.08	4109609.59	2.16E-09	3.93E-09	2.16E-10	6.31E-09	3.35E-10	6.45E-10	3.24E-11	1.01E-09	3.25E-10	5.55E-10	4.11E-11	9.21E-10	1.85E-10	3.06E-10	1.01E-11	5.01E-10
429	743343.78	4109633.34	2.13E-09	3.88E-09	2.13E-10	6.23E-09	3.31E-10	6.37E-10	3.20E-11	1.00E-09	3.21E-10	5.48E-10	4.06E-11	9.10E-10	1.83E-10	3.02E-10	1.00E-11	4.95E-10
430	743348.48	4109657.1	2.12E-09	3.86E-09	2.12E-10	6.19E-09	3.28E-10	6.32E-10	3.18E-11	9.92E-10	3.19E-10	5.44E-10	4.03E-11	9.04E-10	1.81E-10	3.00E-10	9.95E-12	4.91E-10
431	743353.18	4109680.85	2.11E-09	3.84E-09	2.11E-10	6.16E-09	3.27E-10	6.29E-10	3.16E-11	9.88E-10	3.18E-10	5.41E-10	4.01E-11	8.99E-10	1.80E-10	2.99E-10	9.90E-12	4.89E-10
432	743357.88	4109704.6	2.10E-09	3.82E-09	2.10E-10	6.12E-09	3.25E-10	6.26E-10	3.14E-11	9.82E-10	3.16E-10	5.39E-10	3.99E-11	8.95E-10	1.80E-10	2.97E-10	9.85E-12	4.86E-10
433	743362.58	4109728.35	2.08E-09	3.79E-09	2.08E-10	6.07E-09	3.22E-10	6.21E-10	3.12E-11	9.74E-10	3.13E-10	5.34E-10	3.96E-11	8.87E-10	1.78E-10	2.95E-10	9.76E-12	4.82E-10
434	743367.28	4109752.1	2.05E-09	3.73E-09	2.05E-10	5.99E-09	3.18E-10	6.12E-10	3.08E-11	9.61E-10	3.09E-10	5.27E-10	3.91E-11	8.75E-10	1.76E-10	2.91E-10	9.63E-12	4.76E-10
435	743371.98	4109775.85	2.01E-09	3.66E-09	2.01E-10	5.87E-09	3.12E-10	6.00E-10	3.02E-11	9.42E-10	3.03E-10	5.17E-10	3.83E-11	8.58E-10	1.72E-10	2.85E-10	9.44E-12	4.67E-10
436	743376.68	4109799.6	1.96E-09	3.57E-09	1.96E-10	5.72E-09	3.04E-10	5.85E-10	2.94E-11	9.18E-10	2.95E-10	5.03E-10	3.73E-11	8.36E-10	1.68E-10	2.78E-10	9.20E-12	4.55E-10
437	743381.39	4109823.35	1.90E-09	3.46E-09	1.90E-10	5.55E-09	2.95E-10	5.67E-10	2.85E-11	8.90E-10	2.86E-10	4.88E-10	3.62E-11	8.11E-10	1.63E-10	2.69E-10	8.93E-12	4.41E-10
438	743386.09	4109847.11	1.83E-09	3.34E-09	1.84E-10	5.36E-09	2.84E-10	5.48E-10	2.75E-11	8.60E-10	2.77E-10	4.72E-10	3.50E-11	7.83E-10	1.57E-10	2.60E-10	8.62E-12	4.26E-10
439	743390.79	4109870.86	1.77E-09	3.22E-09	1.77E-10	5.16E-09	2.74E-10	5.28E-10	2.65E-11	8.29E-10	2.67E-10	4.54E-10	3.37E-11	7.55E-10	1.51E-10	2.51E-10	8.31E-12	4.10E-10
440	743395.49	4109894.61	1.70E-09	3.10E-09	1.70E-10	4.97E-09	2.64E-10	5.08E-10	2.55E-11	7.98E-10	2.57E-10	4.37E-10	3.24E-11	7.26E-10	1.46E-10	2.41E-10	7.99E-12	3.95E-10
441	743400.19	4109918.36	1.64E-09	2.98E-09	1.64E-10	4.79E-09	2.54E-10	4.89E-10	2.46E-11	7.68E-10	2.47E-10	4.21E-10	3.12E-11	6.99E-10	1.40E-10	2.32E-10	7.70E-12	3.80E-10
442	743404.89	4109942.11	1.58E-09	2.88E-09	1.58E-10	4.61E-09	2.45E-10	4.72E-10	2.37E-11	7.40E-10	2.38E-10	4.06E-10	3.01E-11	6.74E-10	1.35E-10	2.24E-10	7.42E-12	3.67E-10
443	743409.59	4109965.86	1.53E-09	2.78E-09	1.53E-10	4.46E-09	2.37E-10	4.56E-10	2.29E-11	7.15E-10	2.30E-10	3.92E-10	2.91E-11	6.51E-10	1.31E-10	2.16E-10	7.17E-12	3.54E-10
444	743414.29	4109989.61	1.48E-09	2.69E-09	1.48E-10	4.32E-09	2.29E-10	4.41E-10	2.22E-11	6.93E-10	2.23E-10	3.80E-10	2.82E-11	6.31E-10	1.27E-10	2.09E-10	6.94E-12	3.43E-10
445	743418.99	4110013.36	1.44E-09	2.62E-09	1.44E-10	4.19E-09	2.23E-10	4.29E-10	2.15E-11	6.73E-10	2.16E-10	3.69E-10	2.74E-11	6.13E-10	1.23E-10	2.04E-10	6.75E-12	3.33E-10
446	743423.69	4110037.12	1.40E-09	2.55E-09	1.40E-10	4.08E-09	2.17E-10	4.17E-10	2.10E-11	6.55E-10	2.11E-10	3.59E-10	2.66E-11	5.97E-10	1.20E-10	1.98E-10	6.57E-12	3.24E-10
447	743428.39	4110060.87	1.36E-09	2.48E-09	1.36E-10	3.98E-09	2.11E-10	4.07E-10	2.05E-11	6.39E-10	2.06E-10	3.50E-10	2.60E-11	5.82E-10	1.17E-10	1.93E-10	6.41E-12	3.17E-10
448	743433.09	4110084.62	1.33E-09	2.43E-09	1.33E-10	3.89E-09	2.07E-10	3.98E-10	2.00E-11	6.25E-10	2.01E-10	3.43E-10	2.54E-11	5.69E-10	1.14E-10	1.89E-10	6.26E-12	3.09E-10
449	743437.79	4110108.37	1.30E-09	2.38E-09	1.30E-10	3.81E-09	2.02E-10	3.90E-10	1.96E-11	6.11E-10	1.97E-10	3.35E-10	2.48E-11	5.57E-10	1.12E-10	1.85E-10	6.13E-12	3.03E-10
450	743442.5	4110132.12	1.28E-09	2.33E-09	1.28E-10	3.74E-09	1.98E-10	3.82E-10	1.92E-11	5.99E-10	1.93E-10	3.29E-10	2.44E-11	5.46E-10	1.10E-10	1.81E-10	6.01E-12	2.97E-10
451	743447.2	4110155.87	1.25E-09	2.29E-09	1.26E-10	3.67E-09	1.95E-10	3.75E-10	1.88E-11	5.88E-10	1.89E-10	3.22E-10	2.39E-11	5.36E-10	1.07E-10	1.78E-10	5.90E-12	2.91E-10
452	743451.9	4110179.62	1.23E-09	2.25E-09	1.23E-10	3.60E-09	1.91E-10	3.68E-10	1.85E-11	5.78E-10	1.86E-10	3.17E-10	2.35E-11	5.26E-10	1.06E-10	1.75E-10	5.79E-12	2.86E-10
453	743456.6	4110203.37	1.21E-09	2.21E-09	1.21E-10	3.54E-09	1.88E-10	3.62E-10	1.82E-11	5.69E-10	1.83E-10	3.12E-10	2.31E-11	5.18E-10	1.04E-10	1.72E-10	5.70E-12	2.82E-10
454	743461.3	4110227.13	1.20E-09	2.18E-09	1.20E-10	3.49E-09	1.85E-10	3.57E-10	1.79E-11	5.61E-10	1.80E-10	3.07E-10	2.28E-11	5.10E-10	1.02E-10	1.70E-10	5.62E-12	2.78E-10
455	743452.57	4110271.02	1.19E-09	2.17E-09	1.19E-10	3.48E-09	1.85E-10	3.56E-10	1.79E-11	5.59E-10	1.80E-10	3.06E-10	2.27E-11	5.09E-10	1.02E-10	1.69E-10	5.60E-12	2.77E-10
456	743439.13	4110291.16	1.21E-09	2.20E-09	1.21E-10	3.52E-09	1.87E-10	3.60E-10	1.81E-11	5.65E-10	1.82E-10	3.10E-10	2.30E-11	5.15E-10	1.03E-10	1.71E-10	5.67E-12	2.80E-10
457	743425.7	4110311.31	1.22E-09	2.22E-09	1.22E-10	3.57E-09	1.89E-10	3.65E-10	1.83E-11	5.72E-10	1.84E-10	3.14E-10	2.33E-11	5.21E-10	1.05E-10	1.73E-10	5.74E-12	2.83E-10
458	743412.27	4110331.45	1.24E-09	2.25E-09	1.24E-10	3.61E-09	1.92E-10	3.69E-10	1.85E-11	5.79E-10	1.86E-10	3.18E-10	2.35E-11	5.28E-10	1.06E-10	1.75E-10	5.81E-12	2.87E-10
459	743398.84	4110351.6	1.25E-09	2.28E-09	1.25E-10	3.65E-09	1.94E-10	3.73E-10	1.88E-11	5.86E-10	1.88E-10	3.21E-10	2.38E-11	5.34E-10	1.07E-10	1.77E-10	5.87E-12	2.90E-10
460	743385.4	4110371.74	1.26E-09	2.30E-09	1.26E-10	3.69E-09	1.96E-10	3.77E-10	1.89E-11	5.92E-10	1.90E-10	3.24E-10	2.41E-11	5.39E-10	1.08E-10	1.79E-10	5.93E-12	2.93E-10
461	743371.97	4110391.89	1.27E-09	2.32E-09	1.27E-10	3.72E-09	1.97E-10	3.80E-10	1.91E-11	5.96E-10	1.92E-10	3.27E-10	2.42E-11	5.43E-10	1.09E-10	1.80E-10	5.98E-12	2.95E-10
462	743358.54	4110412.03	1.28E-09	2.33E-09	1.28E-10	3.73E-09	1.98E-10	3.82E-10	1.92E-11	5.99E-10	1.93E-10	3.28E-10	2.43E-11	5.45E-10	1.09E-10	1.81E-10	6.00E-12	2.97E-10
463	743345.11	4110432.17	1.28E-09	2.33E-09	1.28E-10	3.73E-09	1.98E-10	3.82E-10	1.92E-11	5.99E-10	1.93E-10	3.29E-10	2.44E-11	5.46E-10	1.10E-10	1.81E-10	6.01E-12	2.97E-10
464	743331.67	4110452.32	1.27E-09	2.32E-09	1.27E-10	3.72E-09	1.98E-10	3.81E-10	1.91E-11	5.97E-10	1.92E-10	3.27E-10	2.43E-11	5.44E-10	1.09E-10	1.81E-10	5.99E-12	2.96E-10
465	743318.24	4110472.46	1.26E-09	2.30E-09	1.27E-10	3.70E-09	1.96E-10	3.78E-10	1.90E-11	5.93E-10	1.91E-10	3.25E-10	2.41E-11	5.40E-10	1.08E-10	1.79E-10	5.94E-12	2.94E-10
466	743304.81	4110492.61	1.25E-09	2.28E-09	1.25E-10	3.66E-09	1.94E-10	3.74E-10	1.88E-11	5.87E-10	1.89E-10	3.22E-10	2.38E-11	5.34E-10	1.07E-10	1.77E-10	5.88E-12	2.90E-10
467	743291.38	4110512.75	1.23E-09	2.25E-09	1.23E-10	3.60E-09	1.91E-10	3.69E-10	1.85E-11	5.78E-10	1.86E-10	3.17E-10	2.35E-11	5.27E-10	1.06E-10	1.75E-10	5.80E-12	2.86E-10
468	743277.95	4110532.9	1.21E-09	2.21E-09	1.21E-10	3.54E-09	1.88E-10	3.62E-10	1.82E-11	5.68E-10	1.83E-10	3.12E-10	2.31E-11	5.18E-10	1.04E-10	1.72E-10	5.70E-12	2.82E-10
469	743264.51	4110553.04	1.19E-09	2.17E-09	1.19E-10	3.47E-09	1.84E-10	3.55E-10	1.78E-11	5.57E-10	1.79E-10	3.06E-10	2.26E-11	5.07E-10	1.02E-10	1.69E-10	5.59E-12	2.76E-10
470	743251.08	4110573.18	1.16E-09	2.12E-09	1.16E-10	3.40E-09	1.80E-10	3.47E-10	1.75E-11	5.45E-10	1.75E-10	2.99E-10	2.22E-11	4.97E-10	9.97E-11	1.65E-10	5.47E-12	2.70E-10
471	743237.65	4110593.33	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.40E-10	1.71E-11	5.33E-10	1.71E-10	2.92E-10	2.17E-11	4.85E-10	9.74E-11	1.61E-10	5.34E-12	2.64E-10
472	743224.22	4110613.47	1.11E-09	2.02E-09	1.11E-10	3.24E-09	1.72E-10	3.32E-10	1.67E-11	5.21E-10	1.67E-10	2.85E-10	2.12E-11	4.74E-10	9.51E-11	1.57E-10	5.22E-12	2.58E-10
473	743210.78	4110633.62	1.09E-09	1.98E-09	1.09E-10	3.17E-09	1.68E-10	3.24E-10	1.63E-11	5.09E-10	1.64E-10	2.79E-10	2.07E-11	4.63E-10	9.30E-11	1.54E-10	5.10E-12	2.52E-10
474	743197.35	4110653.76	1.06E-09	1.94E-09	1.06E-10	3.11E-09	1.65E-10	3.17E-10	1.59E-11	4.98E-10	1.60E-10	2.73E-10	2.03E-11	4.54E-10	9.11E-11	1.51E-10	4.99E-12	2.47E-10
475	743183.92	4110673.9	1.04E-09	1.90E-09	1.04E-10	3.05E-09	1.62E-10	3.12E-10	1.57E-11	4.89E-10	1.57E-10	2.68E-10	1.99E-11	4.45E-10	8.94E-11	1.48E-10	4.90E-12	2.42E-10
476	743170.49	4110694.05	1.03E-09	1.87E-09	1.03E-10	3.00E-09	1.59E-10	3.07E-10	1.54E-11	4.82E-10	1.55E-10	2.64E-10	1.96E-11	4.39E-10	8.81E-11	1.46E-10	4.83E-12	2.39E-10

477	743157.05	4110714.19	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.53E-11	4.77E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.71E-11	1.44E-10	4.78E-12	2.36E-10
478	743143.62	4110734.34	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.57E-10	3.02E-10	1.51E-11	4.73E-10	1.52E-10	2.59E-10	1.92E-11	4.31E-10	8.65E-11	1.43E-10	4.74E-12	2.34E-10
479	743130.19	4110754.48	1.01E-09	1.83E-09	1.01E-10	2.94E-09	1.56E-10	3.00E-10	1.51E-11	4.71E-10	1.52E-10	2.58E-10	1.92E-11	4.29E-10	8.62E-11	1.43E-10	4.73E-12	2.33E-10
480	743116.76	4110774.63	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.71E-10	1.51E-10	2.58E-10	1.91E-11	4.29E-10	8.60E-11	1.42E-10	4.72E-12	2.33E-10
481	743103.32	4110794.77	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.70E-10	1.51E-10	2.58E-10	1.91E-11	4.28E-10	8.60E-11	1.42E-10	4.72E-12	2.33E-10
482	743089.89	4110814.91	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.70E-10	1.51E-10	2.58E-10	1.91E-11	4.28E-10	8.59E-11	1.42E-10	4.71E-12	2.33E-10
483	743076.46	4110835.06	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.55E-10	2.99E-10	1.50E-11	4.70E-10	1.51E-10	2.57E-10	1.91E-11	4.28E-10	8.58E-11	1.42E-10	4.71E-12	2.33E-10
484	743063.03	4110855.2	9.98E-10	1.82E-09	9.99E-11	2.92E-09	1.55E-10	2.98E-10	1.50E-11	4.68E-10	1.50E-10	2.57E-10	1.90E-11	4.26E-10	8.55E-11	1.41E-10	4.69E-12	2.32E-10
485	743049.59	4110875.35	9.92E-10	1.81E-09	9.92E-11	2.90E-09	1.54E-10	2.96E-10	1.49E-11	4.65E-10	1.50E-10	2.55E-10	1.89E-11	4.23E-10	8.50E-11	1.41E-10	4.66E-12	2.30E-10
486	743036.16	4110895.49	9.82E-10	1.79E-09	9.83E-11	2.87E-09	1.52E-10	2.93E-10	1.47E-11	4.60E-10	1.48E-10	2.52E-10	1.87E-11	4.19E-10	8.41E-11	1.39E-10	4.61E-12	2.28E-10
487	743022.73	4110915.64	9.69E-10	1.77E-09	9.69E-11	2.83E-09	1.50E-10	2.89E-10	1.45E-11	4.54E-10	1.46E-10	2.49E-10	1.85E-11	4.14E-10	8.30E-11	1.37E-10	4.55E-12	2.25E-10
488	743009.3	4110935.78	9.53E-10	1.74E-09	9.53E-11	2.78E-09	1.48E-10	2.85E-10	1.43E-11	4.47E-10	1.44E-10	2.45E-10	1.82E-11	4.07E-10	8.16E-11	1.35E-10	4.48E-12	2.21E-10
489	742995.86	4110955.92	9.34E-10	1.70E-09	9.34E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.38E-10	1.41E-10	2.40E-10	1.78E-11	3.99E-10	8.00E-11	1.32E-10	4.39E-12	2.17E-10
490	742982.43	4110976.07	9.12E-10	1.66E-09	9.13E-11	2.67E-09	1.41E-10	2.73E-10	1.37E-11	4.28E-10	1.38E-10	2.34E-10	1.74E-11	3.89E-10	7.82E-11	1.29E-10	4.29E-12	2.12E-10
491	742969	4110996.21	8.89E-10	1.62E-09	8.89E-11	2.60E-09	1.38E-10	2.66E-10	1.33E-11	4.17E-10	1.34E-10	2.28E-10	1.69E-11	3.79E-10	7.62E-11	1.26E-10	4.18E-12	2.06E-10
492	742955.57	4111016.36	8.64E-10	1.57E-09	8.64E-11	2.52E-09	1.34E-10	2.58E-10	1.30E-11	4.05E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.40E-11	1.22E-10	4.06E-12	2.01E-10
493	742942.13	4111036.5	8.37E-10	1.52E-09	8.37E-11	2.45E-09	1.30E-10	2.50E-10	1.26E-11	3.92E-10	1.26E-10	2.15E-10	1.59E-11	3.57E-10	7.17E-11	1.19E-10	3.93E-12	1.94E-10
494	742928.7	4111056.64	8.08E-10	1.47E-09	8.09E-11	2.36E-09	1.25E-10	2.42E-10	1.21E-11	3.79E-10	1.22E-10	2.08E-10	1.54E-11	3.45E-10	6.93E-11	1.15E-10	3.80E-12	1.88E-10
495	743273.27	4109277.08	3.15E-09	5.74E-09	3.15E-10	9.21E-09	4.89E-10	9.41E-10	4.73E-11	1.48E-09	4.75E-10	8.10E-10	6.01E-11	1.35E-09	2.70E-10	4.47E-10	1.48E-11	7.32E-10
496	743259.72	4109256.71	3.17E-09	5.78E-09	3.17E-10	9.27E-09	4.92E-10	9.48E-10	4.76E-11	1.49E-09	4.78E-10	8.16E-10	6.05E-11	1.35E-09	2.72E-10	4.50E-10	1.49E-11	7.37E-10
497	743246.17	4109236.35	3.18E-09	5.80E-09	3.18E-10	9.30E-09	4.94E-10	9.51E-10	4.78E-11	1.49E-09	4.80E-10	8.18E-10	6.07E-11	1.36E-09	2.73E-10	4.51E-10	1.50E-11	7.39E-10
498	743232.62	4109215.99	3.18E-09	5.80E-09	3.18E-10	9.29E-09	4.93E-10	9.50E-10	4.77E-11	1.49E-09	4.80E-10	8.18E-10	6.06E-11	1.36E-09	2.73E-10	4.51E-10	1.49E-11	7.38E-10
499	743219.07	4109195.63	3.16E-09	5.76E-09	3.17E-10	9.25E-09	4.91E-10	9.45E-10	4.75E-11	1.48E-09	4.77E-10	8.13E-10	6.03E-11	1.35E-09	2.71E-10	4.49E-10	1.49E-11	7.35E-10
500	743205.52	4109175.27	3.13E-09	5.71E-09	3.14E-10	9.16E-09	4.86E-10	9.36E-10	4.70E-11	1.47E-09	4.73E-10	8.06E-10	5.97E-11	1.34E-09	2.69E-10	4.44E-10	1.47E-11	7.28E-10
501	743191.98	4109154.91	3.09E-09	5.63E-09	3.09E-10	9.04E-09	4.79E-10	9.24E-10	4.64E-11	1.45E-09	4.66E-10	7.95E-10	5.89E-11	1.32E-09	2.65E-10	4.38E-10	1.45E-11	7.18E-10
502	743178.43	4109134.55	3.04E-09	5.54E-09	3.04E-10	8.89E-09	4.72E-10	9.08E-10	4.56E-11	1.43E-09	4.59E-10	7.82E-10	5.79E-11	1.30E-09	2.61E-10	4.31E-10	1.43E-11	7.06E-10
503	743164.88	4109114.19	2.98E-09	5.43E-09	2.98E-10	8.72E-09	4.62E-10	8.91E-10	4.48E-11	1.40E-09	4.50E-10	7.67E-10	5.68E-11	1.27E-09	2.56E-10	4.23E-10	1.40E-11	6.92E-10
504	743444.51	4109190.19	2.51E-09	4.57E-09	2.51E-10	7.33E-09	3.89E-10	7.49E-10	3.76E-11	1.18E-09	3.78E-10	6.45E-10	4.78E-11	1.07E-09	2.15E-10	3.56E-10	1.18E-11	5.82E-10
505	743449.24	4109214.09	2.50E-09	4.56E-09	2.50E-10	7.31E-09	3.88E-10	7.47E-10	3.75E-11	1.17E-09	3.77E-10	6.43E-10	4.77E-11	1.07E-09	2.14E-10	3.55E-10	1.18E-11	5.81E-10
506	743453.97	4109238	2.48E-09	4.53E-09	2.48E-10	7.26E-09	3.85E-10	7.42E-10	3.73E-11	1.16E-09	3.75E-10	6.38E-10	4.73E-11	1.06E-09	2.13E-10	3.52E-10	1.17E-11	5.77E-10
507	743458.7	4109261.91	2.45E-09	4.47E-09	2.45E-10	7.17E-09	3.80E-10	7.33E-10	3.68E-11	1.15E-09	3.70E-10	6.31E-10	4.67E-11	1.05E-09	2.10E-10	3.48E-10	1.15E-11	5.69E-10
508	743463.43	4109285.81	2.41E-09	4.39E-09	2.41E-10	7.04E-09	3.74E-10	7.20E-10	3.62E-11	1.13E-09	3.63E-10	6.19E-10	4.59E-11	1.03E-09	2.06E-10	3.42E-10	1.13E-11	5.59E-10
509	743468.16	4109309.72	2.36E-09	4.30E-09	2.36E-10	6.89E-09	3.66E-10	7.05E-10	3.54E-11	1.11E-09	3.56E-10	6.06E-10	4.50E-11	1.01E-09	2.02E-10	3.35E-10	1.11E-11	5.48E-10
510	743472.9	4109333.63	2.30E-09	4.18E-09	2.30E-10	6.71E-09	3.56E-10	6.86E-10	3.45E-11	1.08E-09	3.46E-10	5.90E-10	4.38E-11	9.80E-10	1.97E-10	3.26E-10	1.08E-11	5.33E-10
511	743477.63	4109357.53	2.22E-09	4.05E-09	2.22E-10	6.49E-09	3.44E-10	6.63E-10	3.33E-11	1.04E-09	3.35E-10	5.71E-10	4.23E-11	9.48E-10	1.90E-10	3.15E-10	1.04E-11	5.15E-10
512	743482.36	4109381.44	2.14E-09	3.90E-09	2.14E-10	6.25E-09	3.32E-10	6.39E-10	3.21E-11	1.00E-09	3.23E-10	5.50E-10	4.08E-11	9.13E-10	1.83E-10	3.03E-10	1.01E-11	4.97E-10
513	743487.09	4109405.35	2.06E-09	3.75E-09	2.06E-10	6.01E-09	3.19E-10	6.14E-10	3.09E-11	9.64E-10	3.10E-10	5.29E-10	3.92E-11	8.78E-10	1.76E-10	2.92E-10	9.66E-12	4.77E-10
514	743491.82	4109429.25	1.98E-09	3.60E-09	1.98E-10	5.77E-09	3.06E-10	5.90E-10	2.97E-11	9.26E-10	2.98E-10	5.08E-10	3.76E-11	8.43E-10	1.69E-10	2.80E-10	9.28E-12	4.59E-10
515	743496.55	4109453.16	1.90E-09	3.46E-09	1.90E-10	5.55E-09	2.95E-10	5.68E-10	2.85E-11	8.91E-10	2.87E-10	4.88E-10	3.62E-11	8.11E-10	1.63E-10	2.69E-10	8.93E-12	4.41E-10
516	743501.28	4109477.07	1.83E-09	3.34E-09	1.83E-10	5.36E-09	2.84E-10	5.48E-10	2.75E-11	8.59E-10	2.76E-10	4.71E-10	3.49E-11	7.83E-10	1.57E-10	2.60E-10	8.61E-12	4.26E-10
517	743506.02	4109500.97	1.78E-09	3.24E-09	1.78E-10	5.19E-09	2.75E-10	5.31E-10	2.67E-11	8.33E-10	2.68E-10	4.57E-10	3.38E-11	7.58E-10	1.52E-10	2.52E-10	8.35E-12	4.12E-10
518	743510.75	4109524.88	1.73E-09	3.16E-09	1.73E-10	5.06E-09	2.69E-10	5.17E-10	2.60E-11	8.12E-10	2.61E-10	4.45E-10	3.30E-11	7.39E-10	1.48E-10	2.46E-10	8.14E-12	4.02E-10
519	743515.48	4109548.79	1.70E-09	3.10E-09	1.70E-10	4.97E-09	2.64E-10	5.08E-10	2.55E-11	7.98E-10	2.57E-10	4.37E-10	3.24E-11	7.26E-10	1.46E-10	2.41E-10	8.00E-12	3.95E-10
520	743520.21	4109572.69	1.68E-09	3.07E-09	1.68E-10	4.92E-09	2.61E-10	5.03E-10	2.53E-11	7.89E-10	2.54E-10	4.33E-10	3.21E-11	7.19E-10	1.44E-10	2.39E-10	7.91E-12	3.91E-10
521	743524.94	4109596.6	1.68E-09	3.05E-09	1.68E-10	4.89E-09	2.60E-10	5.00E-10	2.51E-11	7.85E-10	2.53E-10	4.31E-10	3.19E-11	7.15E-10	1.44E-10	2.37E-10	7.87E-12	3.89E-10
522	743529.67	4109620.51	1.67E-09	3.05E-09	1.67E-10	4.89E-09	2.60E-10	5.00E-10	2.51E-11	7.85E-10	2.52E-10	4.30E-10	3.19E-11	7.14E-10	1.43E-10	2.37E-10	7.86E-12	3.89E-10
523	743534.4	4109644.41	1.67E-09	3.05E-09	1.67E-10	4.89E-09	2.59E-10	5.00E-10	2.51E-11	7.84E-10	2.52E-10	4.30E-10	3.19E-11	7.14E-10	1.43E-10	2.37E-10	7.86E-12	3.88E-10
524	743539.14	4109668.32	1.67E-09	3.04E-09	1.67E-10	4.88E-09	2.59E-10	4.99E-10	2.51E-11	7.83E-10	2.52E-10	4.30E-10	3.18E-11	7.13E-10	1.43E-10	2.37E-10	7.85E-12	3.88E-10
525	743543.87	4109692.23	1.66E-09	3.03E-09	1.66E-10	4.86E-09	2.58E-10	4.97E-10	2.50E-11	7.80E-10	2.51E-10	4.28E-10	3.17E-11	7.10E-10	1.43E-10	2.36E-10	7.82E-12	3.86E-10
526	743548.6	4109716.13	1.65E-09	3.00E-09	1.65E-10	4.82E-09	2.56E-10	4.92E-10	2.47E-11	7.73E-10	2.48E-10	4.24E-10	3.14E-11	7.03E-10	1.41E-10	2.34E-10	7.74E-12	3.83E-10
527	743553.33	4109740.04	1.62E-09	2.96E-09	1.62E-10	4.74E-09	2.52E-10	4.85E-10	2.43E-11	7.61E-10	2.45E-10	4.17E-10	3.09E-11	6.93E-10	1.39E-10	2.30E-10	7.62E-12	3.77E-10
528	743558.06	4109763.95	1.59E-09	2.90E-09	1.59E-10	4.64E-09	2.46E-10	4.75E-10	2.39E-11	7.45E-10	2.40E-10	4.08E-10	3.03E-11	6.78E-10	1.36E-10	2.25E-10	7.47E-12	3.69E-10
529	743562.79	4109787.85	1.55E-09	2.82E-09	1.55E-10	4.53E-09	2.40E-10	4.63E-10	2.32E-11	7.26E-10	2.34E-10	3.98E-10	2.95E-11	6.61E-10	1.33E-10	2.20E-10	7.28E-12	3.60E-10
530	743567.53	4109811.76	1.50E-09	2.74E-09	1.50E-10	4.39E-09	2.33E-10	4.49E-10	2.26E-11	7.05E-10	2.27E-10	3.86E-10	2.86E-11	6.42E-10	1.29E-10	2.13E-10	7.06E-12	3.49E-10
531	743572.26	4109835.67	1.46E-09	2.65E-09	1.46E-10	4.25E-09	2.26E-10	4.35E-10	2.18E-11	6.82E-10	2.19E-10	3.74E-10	2.77E-11	6.21E-10	1.25E-10	2.06E-10	6.84E-12	3.38E-10
532	743576.99	4109859.57	1.41E-09	2.56E-09	1.41E-10	4.11E-09	2.18E-10	4.20E-10	2.11E-11	6.59E-10	2.12E-10	3.61E-10	2.68E-11	6.00E-10	1.20E-10	1.99E-10	6.61E-12	3.26E-10
533	743581.72	4109883.48	1.36E-09	2.47E-09	1.36E-10	3.97E-09	2.11E-10	4.06E-10	2.04E-11	6.37E-10	2.05E-10	3.49E-10	2.59E-11	5.80E-10	1.16E-10	1.93E-10	6.38E-12	3.15E-10
534	743586.45	4109907.39	1.31E-09	2.39E-09	1.31E-10	3.83E-09	2.03E-10	3.92E-10	1.97E-11	6.15E-10	1.98E-10	3.37E-10	2.50E-11	5.60E-10	1.12E-10	1.86E-10	6.17E-12	3.05E-10
535	743591.18	4109931.29	1.27E-09	2.31E-09	1.27E-10	3.71E-09	1.97E-10	3.79E-10	1.90E-11	5.95E-10	1.91E-10	3.26E-10	2.42E-11	5.42E-10	1.09E-10	1.80E-10	5.96E-12	2.95E-10
536	743595.91	4109955.2	1.23E-09	2.24E-09	1.23E-10	3.59E-09	1.91E-10	3.67E-10	1.85E-11	5.77E-10	1.85E-10	3.16E-10	2.34E-11	5.25E-10	1.05E-10	1.74E-10	5.78E-12	2.86E-10
537	743600.65	4109979.11	1.19E-09	2.18E-09	1.20E-10	3.49E-09	1.85E-10	3.57E-10	1.79E-11	5.60E-10	1.80E-10	3.07E-10	2.28E-11	5.10E-10	1.02E-10	1.69E-10	5.61E-12	2.77E-10
538	743605.38	4110003.02	1.16E-09	2.12E-09	1.16E-10	3.40E-09	1.80E-10	3.47E-10	1.75E-11	5.45E-10	1.75E-10	2.99E-10	2.22E-11	4.96E-10	9.96E-11	1.65E-10	5.47E-12	2.70E-10
539	743610.11	4110026.92	1.13E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.39E-10	1.70E-11	5.32E-10	1.71E-10	2.92E-10	2.16E-11	4.84E-10	9.72E-11	1.61E-10	5.33E-12	2.63E-10
540	743614.84	4110050.83	1.11E-09	2.02E-09	1.11E-10	3.24E-09	1.72E-10	3.31E-10	1.67E-11	5.20E-10	1.67E-10	2.85E-10	2.11E-11	4.74E-10	9.51E-11	1.57E-10	5.21E-12	2.58E-10
541	743619.57	4110074.74	1.09E-09	1.98E-09	1.09E-10	3.18E-09	1.69E-10	3.25E-10	1.63E-11	5.10E-10	1.64E-10	2.79E-10	2.07E-11	4.64E-10	9.32E-11	1.54E-10	5.11E-12	2.52E-10
542	743624.3	4110098.64	1.07E-09	1.94E-09	1.07E-10	3.12E-09	1.65E-10	3.19E-10	1.60E-11	5.00E-10	1.61E-10	2.74E-10	2.03E-11	4.55E-10	9.14E-11	1.51E-10	5.01E-12	2.48E-10
543	743629.04	4110122.55	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.13E-10	1.57E-11	4.91E-10	1.58E-10	2.69E-10	2.00E-11	4.47E-10	8.98E-11	1.49E-10	4.92E-12	2.43E-10
544	743633.77	4110146.46	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.83E-11	1.46E-10	4.84E-12	2.39E-10
545	743638.5	4110170.36	1.01E-09	1.85E-09	1.01E-10	2.96E-09	1.57E-10	3.03E-10	1.52E-11	4.75E-10	1.53E-10	2.61E-10	1.93E-11	4.33E-10	8.69E-11	1.44E-10	4.77E-12	2.35E-10
546	743643.23	4110194.27	9.99E-10	1.82E-09	1.00E-10	2.92E-09	1.55E-10	2.99E-10	1.50E-11	4.68E-10	1.51E-10	2.57E-10	1.90E-11	4.27E-10	8.56E-11	1.42E-10	4.70E-12	2.32E-10
547	743647.96	4110218.18	9.85E-10	1.80E-09	9.86E-11	2.88E-09	1.53E-10	2.94E-10	1.48E-11	4.62E-10	1.49E-10	2.53E-10	1.88E-11	4.21E-10	8.44E-11	1.40E-10	4.63E-12	2.29E-10
548	743652.69	4110242.08	9.72E-10	1.77E-09	9.73E-11	2.84E-09	1.51E-10	2.90E-10	1.46E-11	4.56E-10	1.47E-10	2.50E-10	1.85E-11	4.15E-10	8.33E-11	1.38E-10	4.57E-12	2.26E-10
549	743657.42	4110265.99	9.60E-10	1.75E-09	9.61E-11	2.81E-09	1.49E-10	2.87E-10	1.44E-11	4.50E-10	1.45E-10	2.47E-10	1.83E-11	4.10E-10	8.23E-11	1.36E-10	4.51E-12	2.23E-10
550	743648.64	4110310.17	9.58E-10	1.75E-09	9.59E-11	2.80E-09	1.49E-10	2.86E-10	1.44E-11	4.49E-10	1.45E-10	2.46E-10	1.83E-11	4.09E-10	8.21E-11	1.36E-10	4.50E-12	2.23E-10
551	743635.12	4110330.45	9.68E-10	1.76E-09	9.69E-11	2.83E-09	1.50E-10	2.89E-10	1.45E-11	4.54E-10	1.46E-10	2.49E-10	1.84E-11	4.13E-10	8.30E-11	1.37E-10	4.55E-12	2.25E-10
552	743621.59	4110350.72	9.79E-10	1.78E-09	9.80E-11	2.86E-09	1.52E-10	2.93E-10	1.47E-11	4.59E-10	1.48E-10	2.52E-10	1.87E-11	4.18E-10	8.39E-11	1.39E-10	4.60E-12	2.27E-10
553	743608.07	4110371	9.92E-10	1.81E-09	9.92E-11	2.90E-09	1.54E-10	2.96E-10	1.49E-11	4.65E-10	1.50E-10	2.55E-10	1.89E-11	4.23E-10	8.50E-11	1.41E-10	4.66E-12	2.30E-10
554	743594.55	4110391.28	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.71E-10	1.51E-10	2.58E-10	1.91E-11	4.29E-10	8.61E-11	1.42E-10	4.72E-12	2.33E-10
555	743581.03	4110411.55	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.53E-11	4.77E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.71E-11	1.44E-10	4.78E-12	2.36E-10
556	743567.51	4110431.83	1.03E-09	1.87E-09	1.03E-10	3.00E-09	1.59E-10	3.07E-10	1.54E-11	4.82E-10	1.55E-10	2.64E-10	1.96E-11	4.39E-10	8.81E-11	1.46E-10	4.83E-12	2.39E-10
557	743553.99	4110452.1	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.10E-10	1.56E-11	4.86E-10	1.56E-10	2.67E-10	1.98E-11	4.43E-10	8.89E-11	1.47E-10	4.87E-12	2.41E-10
558	743540.47	4110472.38	1.04E-09	1.90E-09	1.04E-10	3.05E-09	1.62E-10	3.12E-10	1.57E-11	4.89E-10	1.57E-10	2.68E-10	1.99E-11	4.45E-10	8.94E-11	1.48E-10	4.90E-12	2.42E-10
559	743526.95	4110492.66	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.13E-10	1.57E-11	4.91E-10	1.58E-10	2.69E-10	1.99E-11	4.47E-10	8.97E-11	1.48E-10	4.92E-12	2.43E-10
560	743513.43	4110512.93	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.12E-10	1.57E-11	4.90E-10	1.58E-10	2.69E-10	1.99E-11	4.46E-10	8.96E-11	1.48E-10	4.91E-12	2.43E-10
561	743499.91	4110533.21	1.04E-09	1.90E-09	1.04E-10	3.04E-09	1.61E-10	3.11E-10	1.56E-11	4.88E-10	1.57E-10	2.67E-10	1.98E-11	4.44E-10	8.91E-11	1.47E-10	4.89E-12	2.42E-10
562	743486.39	4110553.49	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.83E-11	1.46E-10	4.85E-12	2.39E-10
563	743472.87	4110573.76	1.02E-09	1.86E-09	1.02E-10	2.98E-09	1.58E-10	3.04E-10	1.53E-11	4.77E-10	1.54E-10	2.62E-10	1.94E-11	4.35E-10	8.72E-11	1.44E-10	4.78E-12	2.36E-10
564	743459.35	4110594.04	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.55E-10	2.99E-10	1.50E-11	4.70E-10	1.51E-10	2.58E-10	1.91E-11	4.28E-10	8.58E-11	1.42E-10	4.71E-12	2.33E-10
565	743445.83	4110614.31	9.83E-10	1.79E-09	9.84E-11	2.87E-09	1.52E-10	2.94E-10	1.48E-11	4.61E-10	1.48E-10	2.53E-10	1.87E-11	4.20E-10	8.42E-11	1.39E-10	4.62E-12	2.28E-10
566	743432.31	4110634.59	9.62E-10	1.75E-09	9.63E-11	2.81E-09	1.49E-10	2.87E-10	1.44E-11	4.51E-10	1.45E-10	2.47E-10	1.83E-11	4.11E-10	8.25E-11	1.36E-10	4.52E-12	2.23E-10
567	743418.79	4110654.87	9.41E-10	1.71E-09	9.41E-11	2.75E-09	1.46E-10	2.81E-10	1.41E-11	4.41E-10	1.42E-10	2.42E-10	1.79E-11	4.02E-10	8.06E-11	1.33E-10	4.42E-12	2.18E-10
568	743405.27	4110675.14	9.19E-10	1.67E-09	9.19E-11	2.68E-09	1.42E-10	2.74E-10	1.38E-11	4.31E-10	1.39E-10	2.36E-10	1.75E-11	3.92E-10	7.87E-11	1.30E-10	4.32E-12	2.13E-10
569	743391.75	4110695.42	8.97E-10	1.64E-09	8.98E-11	2.62E-09	1.39E-10	2.68E-10	1.35E-11	4.21E-10	1.35E-10	2.31E-10	1.71E-11	3.83E-10	7.69E-11	1.27E-10	4.22E-12	2.08E-10
570	743378.23	4110715.69	8.78E-10	1.60E-09	8.78E-11	2.56E-09	1.36E-10	2.62E-10	1.32E-11	4.11E-10	1.32E-10	2.26E-10	1.67E-11	3.75E-10	7.52E-11	1.24E-10	4.12E-12	2.04E-10
571	743364.71	4110735.97	8.60E-10	1.57E-09	8.60E-11	2.51E-09	1.33E-10	2.57E-10	1.29E-11	4.03E-10	1.30E-10	2.21E-10	1.64E-11	3.67E-10	7.37E-11	1.22E-10	4.04E-12	2.00E-10
572	743351.19	4110756.25	8.44E-10	1.54E-09	8.45E-11	2.47E-09	1.31E-10	2.52E-10	1.27E-11	3.96E-10	1.27E-10	2.17E-10	1.61E-11	3.60E-10	7.23E-11	1.20E-10	3.97E-12	1.96E-10

573	743337.67	4110776.52	8.31E-10	1.51E-09	8.32E-11	2.43E-09	1.29E-10	2.48E-10	1.25E-11	3.90E-10	1.25E-10	2.14E-10	1.58E-11	3.55E-10	7.12E-11	1.18E-10	3.91E-12	1.93E-10
574	743324.15	4110796.8	8.21E-10	1.50E-09	8.22E-11	2.40E-09	1.27E-10	2.45E-10	1.23E-11	3.85E-10	1.24E-10	2.11E-10	1.57E-11	3.51E-10	7.04E-11	1.16E-10	3.86E-12	1.91E-10
575	743310.63	4110817.07	8.15E-10	1.48E-09	8.15E-11	2.38E-09	1.26E-10	2.43E-10	1.22E-11	3.82E-10	1.23E-10	2.09E-10	1.55E-11	3.48E-10	6.98E-11	1.16E-10	3.83E-12	1.89E-10
576	743297.11	4110837.35	8.11E-10	1.48E-09	8.12E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.09E-10	1.55E-11	3.46E-10	6.95E-11	1.15E-10	3.81E-12	1.88E-10
577	743283.59	4110857.63	8.10E-10	1.48E-09	8.11E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.08E-10	1.54E-11	3.46E-10	6.94E-11	1.15E-10	3.81E-12	1.88E-10
578	743270.07	4110877.9	8.11E-10	1.48E-09	8.12E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.09E-10	1.55E-11	3.46E-10	6.95E-11	1.15E-10	3.81E-12	1.88E-10
579	743256.55	4110898.18	8.14E-10	1.48E-09	8.15E-11	2.38E-09	1.26E-10	2.43E-10	1.22E-11	3.82E-10	1.23E-10	2.09E-10	1.55E-11	3.48E-10	6.98E-11	1.15E-10	3.83E-12	1.89E-10
580	743243.02	4110918.45	8.18E-10	1.49E-09	8.18E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.01E-11	1.16E-10	3.84E-12	1.90E-10
581	743229.5	4110938.73	8.21E-10	1.50E-09	8.21E-11	2.40E-09	1.27E-10	2.45E-10	1.23E-11	3.85E-10	1.24E-10	2.11E-10	1.56E-11	3.50E-10	7.03E-11	1.16E-10	3.86E-12	1.91E-10
582	743215.98	4110959.01	8.23E-10	1.50E-09	8.24E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.86E-10	1.24E-10	2.12E-10	1.57E-11	3.51E-10	7.05E-11	1.17E-10	3.87E-12	1.91E-10
583	743202.46	4110979.28	8.24E-10	1.50E-09	8.25E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.86E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.06E-11	1.17E-10	3.87E-12	1.91E-10
584	743188.94	4110999.56	8.23E-10	1.50E-09	8.23E-11	2.40E-09	1.28E-10	2.46E-10	1.24E-11	3.86E-10	1.24E-10	2.12E-10	1.57E-11	3.51E-10	7.05E-11	1.17E-10	3.87E-12	1.91E-10
585	743175.42	4111019.83	8.19E-10	1.49E-09	8.20E-11	2.39E-09	1.27E-10	2.45E-10	1.23E-11	3.84E-10	1.24E-10	2.11E-10	1.56E-11	3.50E-10	7.02E-11	1.16E-10	3.85E-12	1.90E-10
586	743161.9	4111040.11	8.13E-10	1.48E-09	8.13E-11	2.38E-09	1.26E-10	2.43E-10	1.22E-11	3.81E-10	1.23E-10	2.09E-10	1.55E-11	3.47E-10	6.97E-11	1.15E-10	3.82E-12	1.89E-10
587	743148.38	4111060.39	8.04E-10	1.46E-09	8.04E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.77E-10	1.21E-10	2.07E-10	1.53E-11	3.43E-10	6.89E-11	1.14E-10	3.78E-12	1.87E-10
588	743134.86	4111080.66	7.92E-10	1.44E-09	7.92E-11	2.31E-09	1.23E-10	2.37E-10	1.19E-11	3.71E-10	1.19E-10	2.04E-10	1.51E-11	3.38E-10	6.78E-11	1.12E-10	3.72E-12	1.84E-10
589	743121.34	4111100.94	7.77E-10	1.42E-09	7.77E-11	2.27E-09	1.20E-10	2.32E-10	1.17E-11	3.64E-10	1.17E-10	2.00E-10	1.48E-11	3.32E-10	6.66E-11	1.10E-10	3.65E-12	1.80E-10
590	743107.82	4111121.22	7.60E-10	1.38E-09	7.60E-11	2.22E-09	1.18E-10	2.27E-10	1.14E-11	3.56E-10	1.15E-10	1.95E-10	1.45E-11	3.24E-10	6.51E-11	1.08E-10	3.57E-12	1.76E-10
591	743094.3	4111141.49	7.40E-10	1.35E-09	7.40E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.12E-10	1.90E-10	1.41E-11	3.16E-10	6.34E-11	1.05E-10	3.48E-12	1.72E-10
592	743080.78	4111161.77	7.18E-10	1.31E-09	7.19E-11	2.10E-09	1.11E-10	2.15E-10	1.08E-11	3.37E-10	1.08E-10	1.85E-10	1.37E-11	3.07E-10	6.16E-11	1.02E-10	3.38E-12	1.67E-10
593	743067.26	4111182.04	6.95E-10	1.27E-09	6.95E-11	2.03E-09	1.08E-10	2.08E-10	1.04E-11	3.26E-10	1.05E-10	1.79E-10	1.32E-11	2.97E-10	5.95E-11	9.85E-11	3.26E-12	1.61E-10
594	743053.74	4111202.32	6.69E-10	1.22E-09	6.70E-11	1.96E-09	1.04E-10	2.00E-10	1.00E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.73E-11	9.49E-11	3.14E-12	1.55E-10
595	743040.22	4111222.6	6.43E-10	1.17E-09	6.43E-11	1.88E-09	9.96E-11	1.92E-10	9.64E-12	3.01E-10	9.69E-11	1.65E-10	1.22E-11	2.74E-10	5.51E-11	9.11E-11	3.02E-12	1.49E-10
596	743439.77	4109166.28	2.50E-09	4.56E-09	2.51E-10	7.32E-09	3.88E-10	7.48E-10	3.76E-11	1.17E-09	3.78E-10	6.44E-10	4.77E-11	1.07E-09	2.15E-10	3.55E-10	1.18E-11	5.82E-10
597	743426.23	4109145.92	2.52E-09	4.59E-09	2.52E-10	7.36E-09	3.91E-10	7.53E-10	3.78E-11	1.18E-09	3.80E-10	6.48E-10	4.80E-11	1.08E-09	2.16E-10	3.57E-10	1.18E-11	5.85E-10
598	743412.68	4109125.56	2.52E-09	4.60E-09	2.53E-10	7.38E-09	3.92E-10	7.54E-10	3.79E-11	1.18E-09	3.81E-10	6.49E-10	4.81E-11	1.08E-09	2.16E-10	3.58E-10	1.19E-11	5.86E-10
599	743399.13	4109105.2	2.52E-09	4.60E-09	2.52E-10	7.37E-09	3.91E-10	7.53E-10	3.78E-11	1.18E-09	3.80E-10	6.48E-10	4.81E-11	1.08E-09	2.16E-10	3.58E-10	1.19E-11	5.86E-10
600	743385.58	4109084.83	2.51E-09	4.58E-09	2.51E-10	7.34E-09	3.89E-10	7.50E-10	3.77E-11	1.18E-09	3.79E-10	6.46E-10	4.79E-11	1.07E-09	2.15E-10	3.56E-10	1.18E-11	5.83E-10
601	743372.03	4109064.47	2.49E-09	4.54E-09	2.49E-10	7.28E-09	3.86E-10	7.44E-10	3.74E-11	1.17E-09	3.76E-10	6.40E-10	4.75E-11	1.06E-09	2.13E-10	3.53E-10	1.17E-11	5.78E-10
602	743358.48	4109044.11	2.46E-09	4.49E-09	2.46E-10	7.20E-09	3.82E-10	7.36E-10	3.70E-11	1.15E-09	3.71E-10	6.33E-10	4.69E-11	1.05E-09	2.11E-10	3.49E-10	1.16E-11	5.72E-10
603	743344.93	4109023.75	2.43E-09	4.43E-09	2.43E-10	7.10E-09	3.77E-10	7.25E-10	3.64E-11	1.14E-09	3.66E-10	6.24E-10	4.63E-11	1.04E-09	2.08E-10	3.44E-10	1.14E-11	5.64E-10
604	743331.38	4109003.39	2.39E-09	4.35E-09	2.39E-10	6.98E-09	3.70E-10	7.13E-10	3.58E-11	1.12E-09	3.60E-10	6.14E-10	4.55E-11	1.02E-09	2.05E-10	3.39E-10	1.12E-11	5.54E-10
605	743777.48	4108968.41	1.74E-09	3.18E-09	1.75E-10	5.10E-09	2.70E-10	5.21E-10	2.62E-11	8.18E-10	2.63E-10	4.48E-10	3.32E-11	7.45E-10	1.49E-10	2.47E-10	8.20E-12	4.05E-10
606	743782.18	4108992.13	1.75E-09	3.19E-09	1.75E-10	5.11E-09	2.71E-10	5.22E-10	2.62E-11	8.20E-10	2.64E-10	4.49E-10	3.33E-11	7.46E-10	1.50E-10	2.48E-10	8.21E-12	4.06E-10
607	743786.87	4109015.85	1.75E-09	3.19E-09	1.75E-10	5.11E-09	2.71E-10	5.22E-10	2.62E-11	8.19E-10	2.64E-10	4.49E-10	3.33E-11	7.46E-10	1.50E-10	2.48E-10	8.21E-12	4.06E-10
608	743791.57	4109039.57	1.74E-09	3.18E-09	1.74E-10	5.09E-09	2.70E-10	5.21E-10	2.62E-11	8.17E-10	2.63E-10	4.48E-10	3.32E-11	7.44E-10	1.49E-10	2.47E-10	8.19E-12	4.05E-10
609	743796.26	4109063.29	1.73E-09	3.16E-09	1.73E-10	5.06E-09	2.69E-10	5.17E-10	2.60E-11	8.12E-10	2.61E-10	4.45E-10	3.30E-11	7.39E-10	1.48E-10	2.46E-10	8.14E-12	4.02E-10
610	743800.95	4109087.01	1.71E-09	3.12E-09	1.72E-10	5.01E-09	2.66E-10	5.12E-10	2.57E-11	8.04E-10	2.58E-10	4.41E-10	3.27E-11	7.32E-10	1.47E-10	2.43E-10	8.06E-12	3.98E-10
611	743805.65	4109110.73	1.69E-09	3.08E-09	1.69E-10	4.94E-09	2.62E-10	5.05E-10	2.54E-11	7.92E-10	2.55E-10	4.34E-10	3.22E-11	7.21E-10	1.45E-10	2.40E-10	7.94E-12	3.92E-10
612	743810.34	4109134.45	1.66E-09	3.02E-09	1.66E-10	4.84E-09	2.57E-10	4.95E-10	2.49E-11	7.77E-10	2.50E-10	4.26E-10	3.16E-11	7.08E-10	1.42E-10	2.35E-10	7.79E-12	3.85E-10
613	743815.04	4109158.17	1.62E-09	2.95E-09	1.62E-10	4.73E-09	2.51E-10	4.84E-10	2.43E-11	7.59E-10	2.44E-10	4.16E-10	3.08E-11	6.91E-10	1.39E-10	2.30E-10	7.61E-12	3.76E-10
614	743819.73	4109181.89	1.58E-09	2.87E-09	1.58E-10	4.60E-09	2.44E-10	4.71E-10	2.36E-11	7.39E-10	2.38E-10	4.05E-10	3.00E-11	6.73E-10	1.35E-10	2.23E-10	7.40E-12	3.66E-10
615	743824.43	4109205.62	1.53E-09	2.79E-09	1.53E-10	4.47E-09	2.37E-10	4.57E-10	2.30E-11	7.17E-10	2.31E-10	3.93E-10	2.91E-11	6.53E-10	1.31E-10	2.17E-10	7.19E-12	3.55E-10
616	743829.12	4109229.34	1.48E-09	2.70E-09	1.48E-10	4.33E-09	2.30E-10	4.42E-10	2.22E-11	6.94E-10	2.23E-10	3.80E-10	2.82E-11	6.32E-10	1.27E-10	2.10E-10	6.96E-12	3.44E-10
617	743833.82	4109253.06	1.43E-09	2.61E-09	1.43E-10	4.18E-09	2.22E-10	4.27E-10	2.15E-11	6.71E-10	2.16E-10	3.68E-10	2.73E-11	6.11E-10	1.23E-10	2.03E-10	6.72E-12	3.32E-10
618	743838.51	4109276.78	1.38E-09	2.52E-09	1.38E-10	4.04E-09	2.14E-10	4.13E-10	2.07E-11	6.48E-10	2.08E-10	3.55E-10	2.63E-11	5.90E-10	1.18E-10	1.96E-10	6.49E-12	3.21E-10
619	743843.21	4109300.5	1.33E-09	2.43E-09	1.34E-10	3.90E-09	2.07E-10	3.99E-10	2.00E-11	6.26E-10	2.01E-10	3.43E-10	2.54E-11	5.70E-10	1.14E-10	1.89E-10	6.27E-12	3.10E-10
620	743847.9	4109324.22	1.29E-09	2.35E-09	1.29E-10	3.77E-09	2.00E-10	3.86E-10	1.94E-11	6.05E-10	1.95E-10	3.32E-10	2.46E-11	5.51E-10	1.11E-10	1.83E-10	6.07E-12	3.00E-10
621	743852.6	4109347.94	1.25E-09	2.28E-09	1.25E-10	3.65E-09	1.94E-10	3.74E-10	1.88E-11	5.86E-10	1.89E-10	3.21E-10	2.38E-11	5.34E-10	1.07E-10	1.77E-10	5.88E-12	2.90E-10
622	743857.29	4109371.66	1.22E-09	2.22E-09	1.22E-10	3.55E-09	1.89E-10	3.63E-10	1.82E-11	5.70E-10	1.83E-10	3.12E-10	2.32E-11	5.19E-10	1.04E-10	1.72E-10	5.71E-12	2.82E-10
623	743861.99	4109395.38	1.19E-09	2.16E-09	1.19E-10	3.47E-09	1.84E-10	3.55E-10	1.78E-11	5.56E-10	1.79E-10	3.05E-10	2.26E-11	5.07E-10	1.02E-10	1.68E-10	5.58E-12	2.76E-10
624	743866.68	4109419.1	1.16E-09	2.12E-09	1.17E-10	3.40E-09	1.81E-10	3.48E-10	1.75E-11	5.46E-10	1.76E-10	2.99E-10	2.22E-11	4.97E-10	9.98E-11	1.65E-10	5.47E-12	2.70E-10
625	743871.38	4109442.82	1.15E-09	2.09E-09	1.15E-10	3.36E-09	1.78E-10	3.43E-10	1.72E-11	5.39E-10	1.73E-10	2.95E-10	2.19E-11	4.91E-10	9.85E-11	1.63E-10	5.40E-12	2.67E-10
626	743876.07	4109466.54	1.14E-09	2.08E-09	1.14E-10	3.34E-09	1.77E-10	3.41E-10	1.71E-11	5.35E-10	1.72E-10	2.94E-10	2.18E-11	4.87E-10	9.78E-11	1.62E-10	5.37E-12	2.65E-10
627	743880.76	4109490.27	1.14E-09	2.08E-09	1.14E-10	3.34E-09	1.77E-10	3.41E-10	1.71E-11	5.35E-10	1.72E-10	2.94E-10	2.18E-11	4.87E-10	9.78E-11	1.62E-10	5.37E-12	2.65E-10
628	743885.46	4109513.99	1.15E-09	2.09E-09	1.15E-10	3.35E-09	1.78E-10	3.42E-10	1.72E-11	5.37E-10	1.73E-10	2.95E-10	2.18E-11	4.89E-10	9.82E-11	1.63E-10	5.39E-12	2.66E-10
629	743890.15	4109537.71	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.44E-10	1.73E-11	5.41E-10	1.74E-10	2.96E-10	2.20E-11	4.92E-10	9.88E-11	1.63E-10	5.42E-12	2.68E-10
630	743894.85	4109561.43	1.16E-09	2.11E-09	1.16E-10	3.39E-09	1.80E-10	3.46E-10	1.74E-11	5.44E-10	1.75E-10	2.98E-10	2.21E-11	4.95E-10	9.94E-11	1.64E-10	5.45E-12	2.69E-10
631	743899.54	4109585.15	1.16E-09	2.12E-09	1.17E-10	3.40E-09	1.81E-10	3.48E-10	1.75E-11	5.46E-10	1.76E-10	2.99E-10	2.22E-11	4.97E-10	9.98E-11	1.65E-10	5.47E-12	2.70E-10
632	743904.24	4109608.87	1.17E-09	2.12E-09	1.17E-10	3.41E-09	1.81E-10	3.48E-10	1.75E-11	5.47E-10	1.76E-10	3.00E-10	2.22E-11	4.98E-10	9.99E-11	1.65E-10	5.48E-12	2.71E-10
633	743908.93	4109632.59	1.16E-09	2.12E-09	1.16E-10	3.40E-09	1.80E-10	3.47E-10	1.74E-11	5.45E-10	1.75E-10	2.99E-10	2.21E-11	4.96E-10	9.96E-11	1.65E-10	5.46E-12	2.70E-10
634	743913.63	4109656.31	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.45E-10	1.73E-11	5.41E-10	1.74E-10	2.97E-10	2.20E-11	4.93E-10	9.89E-11	1.64E-10	5.42E-12	2.68E-10
635	743918.32	4109680.03	1.14E-09	2.08E-09	1.14E-10	3.33E-09	1.77E-10	3.41E-10	1.71E-11	5.35E-10	1.72E-10	2.93E-10	2.17E-11	4.87E-10	9.78E-11	1.62E-10	5.36E-12	2.65E-10
636	743923.02	4109703.75	1.12E-09	2.05E-09	1.12E-10	3.28E-09	1.74E-10	3.36E-10	1.69E-11	5.27E-10	1.69E-10	2.89E-10	2.14E-11	4.80E-10	9.63E-11	1.59E-10	5.28E-12	2.61E-10
637	743927.71	4109727.47	1.10E-09	2.01E-09	1.10E-10	3.22E-09	1.71E-10	3.29E-10	1.65E-11	5.16E-10	1.66E-10	2.83E-10	2.10E-11	4.70E-10	9.44E-11	1.56E-10	5.18E-12	2.56E-10
638	743932.41	4109751.19	1.08E-09	1.96E-09	1.08E-10	3.14E-09	1.67E-10	3.21E-10	1.61E-11	5.04E-10	1.62E-10	2.77E-10	2.05E-11	4.59E-10	9.22E-11	1.53E-10	5.06E-12	2.50E-10
639	743937.1	4109774.91	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.63E-10	3.13E-10	1.57E-11	4.91E-10	1.58E-10	2.69E-10	2.00E-11	4.48E-10	8.98E-11	1.49E-10	4.93E-12	2.43E-10
640	743941.8	4109798.64	1.02E-09	1.86E-09	1.02E-10	2.98E-09	1.58E-10	3.05E-10	1.53E-11	4.78E-10	1.54E-10	2.62E-10	1.94E-11	4.35E-10	8.74E-11	1.45E-10	4.79E-12	2.37E-10
641	743946.49	4109822.36	9.90E-10	1.80E-09	9.91E-11	2.89E-09	1.54E-10	2.96E-10	1.49E-11	4.64E-10	1.49E-10	2.55E-10	1.89E-11	4.23E-10	8.49E-11	1.40E-10	4.65E-12	2.30E-10
642	743951.19	4109846.08	9.62E-10	1.75E-09	9.63E-11	2.81E-09	1.49E-10	2.87E-10	1.44E-11	4.51E-10	1.45E-10	2.47E-10	1.83E-11	4.11E-10	8.24E-11	1.36E-10	4.52E-12	2.23E-10
643	743955.88	4109869.8	9.35E-10	1.70E-09	9.35E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.38E-10	1.41E-10	2.40E-10	1.78E-11	3.99E-10	8.01E-11	1.33E-10	4.39E-12	2.17E-10
644	743960.58	4109893.52	9.09E-10	1.66E-09	9.09E-11	2.66E-09	1.41E-10	2.71E-10	1.36E-11	4.26E-10	1.37E-10	2.34E-10	1.73E-11	3.88E-10	7.79E-11	1.29E-10	4.27E-12	2.11E-10
645	743965.27	4109917.24	8.84E-10	1.61E-09	8.85E-11	2.58E-09	1.37E-10	2.64E-10	1.33E-11	4.15E-10	1.33E-10	2.27E-10	1.69E-11	3.78E-10	7.58E-11	1.25E-10	4.16E-12	2.05E-10
646	743969.96	4109940.96	8.62E-10	1.57E-09	8.62E-11	2.52E-09	1.34E-10	2.57E-10	1.29E-11	4.04E-10	1.30E-10	2.22E-10	1.64E-11	3.68E-10	7.39E-11	1.22E-10	4.05E-12	2.00E-10
647	743974.66	4109964.68	8.41E-10	1.53E-09	8.42E-11	2.46E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.21E-11	1.19E-10	3.95E-12	1.95E-10
648	743979.35	4109988.4	8.23E-10	1.50E-09	8.23E-11	2.40E-09	1.28E-10	2.46E-10	1.23E-11	3.86E-10	1.24E-10	2.11E-10	1.57E-11	3.51E-10	7.05E-11	1.17E-10	3.87E-12	1.91E-10
649	743984.05	4110012.12	8.06E-10	1.47E-09	8.06E-11	2.35E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.21E-10	2.07E-10	1.54E-11	3.44E-10	6.90E-11	1.14E-10	3.79E-12	1.87E-10
650	743988.74	4110035.84	7.90E-10	1.44E-09	7.91E-11	2.31E-09	1.23E-10	2.36E-10	1.19E-11	3.71E-10	1.19E-10	2.03E-10	1.51E-11	3.37E-10	6.77E-11	1.12E-10	3.71E-12	1.84E-10
651	743993.44	4110059.56	7.76E-10	1.41E-09	7.77E-11	2.27E-09	1.20E-10	2.32E-10	1.17E-11	3.64E-10	1.17E-10	2.00E-10	1.48E-11	3.31E-10	6.65E-11	1.10E-10	3.65E-12	1.80E-10
652	743998.13	4110083.29	7.64E-10	1.39E-09	7.64E-11	2.23E-09	1.18E-10	2.28E-10	1.15E-11	3.58E-10	1.15E-10	1.96E-10	1.46E-11	3.26E-10	6.55E-11	1.08E-10	3.59E-12	1.77E-10
653	744002.83	4110107.01	7.53E-10	1.37E-09	7.53E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.53E-10	1.14E-10	1.94E-10	1.43E-11	3.21E-10	6.45E-11	1.07E-10	3.54E-12	1.75E-10
654	744007.52	4110130.73	7.43E-10	1.35E-09	7.43E-11	2.17E-09	1.15E-10	2.22E-10	1.12E-11	3.48E-10	1.12E-10	1.91E-10	1.42E-11	3.17E-10	6.37E-11	1.05E-10	3.49E-12	1.72E-10
655	744012.22	4110154.45	7.34E-10	1.34E-09	7.34E-11	2.14E-09	1.14E-10	2.19E-10	1.10E-11	3.44E-10	1.11E-10	1.89E-10	1.40E-11	3.13E-10	6.29E-11	1.04E-10	3.45E-12	1.70E-10
656	744016.91	4110178.17	7.25E-10	1.32E-09	7.25E-11	2.12E-09	1.12E-10	2.17E-10	1.09E-11	3.40E-10	1.09E-10	1.86E-10	1.38E-11	3.10E-10	6.21E-11	1.03E-10	3.41E-12	1.68E-10
657	744021.61	4110201.89	7.17E-10	1.31E-09	7.17E-11	2.09E-09	1.11E-10	2.14E-10	1.08E-11	3.36E-10	1.08E-10	1.84E-10	1.37E-11	3.06E-10	6.14E-11	1.02E-10	3.37E-12	1.66E-10
658	744026.3	4110225.61	7.09E-10	1.29E-09	7.09E-11	2.07E-09	1.10E-10	2.12E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.03E-10	6.08E-11	1.01E-10	3.33E-12	1.65E-10
659	744031	4110249.33	7.02E-10	1.28E-09	7.02E-11	2.05E-09	1.09E-10	2.10E-10	1.05E-11	3.29E-10	1.06E-10	1.80E-10	1.34E-11	3.00E-10	6.01E-11	9.95E-11	3.30E-12	1.63E-10
660	744035.69	4110273.05	6.94E-10	1.27E-09	6.95E-11	2.03E-09	1.08E-10	2.07E-10	1.04E-11	3.26E-10	1.05E-10	1.78E-10	1.32E-11	2.96E-10	5.95E-11	9.84E-11	3.26E-12	1.61E-10
661	744040.39	4110296.77	6.87E-10	1.25E-09	6.88E-11	2.01E-09	1.07E-10	2.05E-10	1.03E-11	3.22E-10	1.04E-10	1.77E-10	1.31E-11	2.93E-10	5.89E-11	9.74E-11	3.23E-12	1.60E-10
662	744045.08	4110320.49	6.80E-10	1.24E-09	6.81E-11	1.99E-09	1.06E-10	2.03E-10	1.02E-11	3.19E-10	1.03E-10	1.75E-10	1.30E-11	2.90E-10	5.83E-11	9.65E-11	3.20E-12	1.58E-10
663	744049.77	4110344.21	6.74E-10	1.23E-09	6.74E-11	1.97E-09	1.05E-10	2.01E-10	1.01E-11	3.16E-10	1.02E-10	1.73E-10	1.28E-11	2.88E-10	5.78E-11	9.56E-11	3.17E-12	1.56E-10
664	744041.05	4110388.05	6.72E-10	1.22E-09	6.73E-11	1.96E-09	1.04E-10	2.01E-10	1.01E-11	3.15E-10	1.01E-10	1.73E-10	1.28E-11	2.87E-10	5.76E-11	9.53E-11	3.16E-12	1.56E-10
665	744027.64	4110408.17	6.77E-10	1.23E-09	6.77E-11	1.98E-09	1.05E-10	2.02E-10	1.02E-11	3.17E-10	1.02E-10	1.74E-10	1.29E-11	2.89E-10	5.80E-11	9.60E-11	3.18E-12	1.57E-10
666	744014.22	4110428.29	6.83E-10	1.24E-09	6.83E-11	2.00E-09	1.06E-10	2.04E-10	1.02E-11	3.20E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.85E-11	9.68E-11	3.21E-12	1.59E-10
667	744000.81	4110448.41	6.90E-10	1.26E-09	6.90E-11	2.02E-09	1.07E-10	2.06E-10	1.04E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.91E-11	9.78E-11	3.24E-12	1.60E-10
668	743987.39	4110468.53	6.98E-10	1.27E-09	6.98E-11	2.04E-09	1.08E-10	2.08E-10	1.05E-11	3.27E-10	1.05E-10	1.79E-10	1.33E-11	2.98E-10	5.98E-11	9.89E-11	3.28E-12	1.62E-10

669	743973.98	4110488.65	7.06E-10	1.29E-09	7.07E-11	2.06E-09	1.10E-10	2.11E-10	1.06E-11	3.31E-10	1.06E-10	1.82E-10	1.35E-11	3.02E-10	6.05E-11	1.00E-10	3.32E-12	1.64E-10
670	743960.56	4110508.76	7.15E-10	1.30E-09	7.16E-11	2.09E-09	1.11E-10	2.14E-10	1.07E-11	3.35E-10	1.08E-10	1.84E-10	1.36E-11	3.05E-10	6.13E-11	1.01E-10	3.36E-12	1.66E-10
671	743947.15	4110528.88	7.24E-10	1.32E-09	7.24E-11	2.12E-09	1.12E-10	2.16E-10	1.09E-11	3.39E-10	1.09E-10	1.86E-10	1.38E-11	3.09E-10	6.20E-11	1.03E-10	3.40E-12	1.68E-10
672	743933.73	4110549	7.33E-10	1.34E-09	7.33E-11	2.14E-09	1.14E-10	2.19E-10	1.10E-11	3.44E-10	1.10E-10	1.88E-10	1.40E-11	3.13E-10	6.28E-11	1.04E-10	3.44E-12	1.70E-10
673	743920.32	4110569.12	7.40E-10	1.35E-09	7.41E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.12E-10	1.90E-10	1.41E-11	3.16E-10	6.34E-11	1.05E-10	3.48E-12	1.72E-10
674	743906.9	4110589.24	7.47E-10	1.36E-09	7.47E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.13E-10	1.92E-10	1.42E-11	3.19E-10	6.40E-11	1.06E-10	3.51E-12	1.73E-10
675	743893.49	4110609.36	7.51E-10	1.37E-09	7.52E-11	2.20E-09	1.17E-10	2.24E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.21E-10	6.44E-11	1.07E-10	3.53E-12	1.74E-10
676	743880.07	4110629.47	7.54E-10	1.37E-09	7.54E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.53E-10	1.14E-10	1.94E-10	1.44E-11	3.22E-10	6.46E-11	1.07E-10	3.54E-12	1.75E-10
677	743866.66	4110649.59	7.53E-10	1.37E-09	7.54E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.53E-10	1.14E-10	1.94E-10	1.44E-11	3.22E-10	6.46E-11	1.07E-10	3.54E-12	1.75E-10
678	743853.24	4110669.71	7.50E-10	1.37E-09	7.51E-11	2.19E-09	1.16E-10	2.24E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.43E-11	1.06E-10	3.53E-12	1.74E-10
679	743839.83	4110689.83	7.45E-10	1.36E-09	7.45E-11	2.18E-09	1.15E-10	2.22E-10	1.12E-11	3.49E-10	1.12E-10	1.91E-10	1.42E-11	3.18E-10	6.38E-11	1.06E-10	3.50E-12	1.73E-10
680	743826.41	4110709.95	7.36E-10	1.34E-09	7.37E-11	2.15E-09	1.14E-10	2.20E-10	1.11E-11	3.45E-10	1.11E-10	1.89E-10	1.40E-11	3.14E-10	6.31E-11	1.04E-10	3.46E-12	1.71E-10
681	743813	4110730.07	7.26E-10	1.32E-09	7.26E-11	2.12E-09	1.13E-10	2.17E-10	1.09E-11	3.40E-10	1.09E-10	1.87E-10	1.38E-11	3.10E-10	6.22E-11	1.03E-10	3.41E-12	1.69E-10
682	743799.58	4110750.18	7.13E-10	1.30E-09	7.13E-11	2.08E-09	1.11E-10	2.13E-10	1.07E-11	3.34E-10	1.08E-10	1.83E-10	1.36E-11	3.04E-10	6.11E-11	1.01E-10	3.35E-12	1.66E-10
683	743786.17	4110770.3	6.99E-10	1.27E-09	6.99E-11	2.04E-09	1.08E-10	2.09E-10	1.05E-11	3.28E-10	1.05E-10	1.80E-10	1.33E-11	2.98E-10	5.99E-11	9.91E-11	3.28E-12	1.62E-10
684	743772.75	4110790.42	6.84E-10	1.25E-09	6.84E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.20E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.86E-11	9.69E-11	3.21E-12	1.59E-10
685	743759.34	4110810.54	6.68E-10	1.22E-09	6.68E-11	1.95E-09	1.04E-10	2.00E-10	1.00E-11	3.13E-10	1.01E-10	1.72E-10	1.27E-11	2.85E-10	5.72E-11	9.47E-11	3.14E-12	1.55E-10
686	743745.92	4110830.66	6.53E-10	1.19E-09	6.53E-11	1.91E-09	1.01E-10	1.95E-10	9.80E-12	3.06E-10	9.85E-11	1.68E-10	1.24E-11	2.79E-10	5.59E-11	9.26E-11	3.07E-12	1.52E-10
687	743732.5	4110850.78	6.38E-10	1.16E-09	6.39E-11	1.87E-09	9.90E-11	1.91E-10	9.58E-12	2.99E-10	9.63E-11	1.64E-10	1.22E-11	2.73E-10	5.47E-11	9.05E-11	3.00E-12	1.48E-10
688	743719.09	4110870.89	6.25E-10	1.14E-09	6.25E-11	1.83E-09	9.69E-11	1.87E-10	9.38E-12	2.93E-10	9.42E-11	1.61E-10	1.19E-11	2.67E-10	5.35E-11	8.86E-11	2.94E-12	1.45E-10
689	743705.67	4110891.01	6.13E-10	1.12E-09	6.13E-11	1.79E-09	9.50E-11	1.83E-10	9.20E-12	2.87E-10	9.24E-11	1.58E-10	1.17E-11	2.62E-10	5.25E-11	8.69E-11	2.88E-12	1.42E-10
690	743692.26	4110911.13	6.02E-10	1.10E-09	6.02E-11	1.76E-09	9.34E-11	1.80E-10	9.04E-12	2.82E-10	9.08E-11	1.55E-10	1.15E-11	2.57E-10	5.16E-11	8.54E-11	2.83E-12	1.40E-10
691	743678.84	4110931.25	5.93E-10	1.08E-09	5.93E-11	1.73E-09	9.20E-11	1.77E-10	8.90E-12	2.78E-10	8.94E-11	1.52E-10	1.13E-11	2.53E-10	5.08E-11	8.41E-11	2.79E-12	1.38E-10
692	743665.43	4110951.37	5.86E-10	1.07E-09	5.86E-11	1.71E-09	9.08E-11	1.75E-10	8.79E-12	2.75E-10	8.83E-11	1.51E-10	1.12E-11	2.50E-10	5.02E-11	8.30E-11	2.75E-12	1.36E-10
693	743652.01	4110971.49	5.80E-10	1.06E-09	5.80E-11	1.69E-09	8.99E-11	1.73E-10	8.70E-12	2.72E-10	8.74E-11	1.49E-10	1.10E-11	2.47E-10	4.97E-11	8.22E-11	2.72E-12	1.35E-10
694	743638.6	4110991.6	5.75E-10	1.05E-09	5.75E-11	1.68E-09	8.92E-11	1.72E-10	8.63E-12	2.70E-10	8.67E-11	1.48E-10	1.10E-11	2.45E-10	4.93E-11	8.15E-11	2.70E-12	1.33E-10
695	743625.18	4111011.72	5.72E-10	1.04E-09	5.72E-11	1.67E-09	8.86E-11	1.71E-10	8.58E-12	2.68E-10	8.62E-11	1.47E-10	1.09E-11	2.44E-10	4.90E-11	8.10E-11	2.69E-12	1.33E-10
696	743611.77	4111031.84	5.70E-10	1.04E-09	5.70E-11	1.66E-09	8.83E-11	1.70E-10	8.55E-12	2.67E-10	8.59E-11	1.46E-10	1.09E-11	2.43E-10	4.88E-11	8.08E-11	2.68E-12	1.32E-10
697	743598.35	4111051.96	5.69E-10	1.04E-09	5.69E-11	1.66E-09	8.82E-11	1.70E-10	8.54E-12	2.67E-10	8.58E-11	1.46E-10	1.08E-11	2.43E-10	4.87E-11	8.06E-11	2.67E-12	1.32E-10
698	743584.94	4111072.08	5.69E-10	1.04E-09	5.69E-11	1.66E-09	8.83E-11	1.70E-10	8.54E-12	2.67E-10	8.58E-11	1.46E-10	1.08E-11	2.43E-10	4.88E-11	8.07E-11	2.67E-12	1.32E-10
699	743571.52	4111092.2	5.70E-10	1.04E-09	5.71E-11	1.67E-09	8.85E-11	1.70E-10	8.56E-12	2.67E-10	8.60E-11	1.47E-10	1.09E-11	2.44E-10	4.89E-11	8.09E-11	2.68E-12	1.32E-10
700	743558.11	4111112.31	5.73E-10	1.04E-09	5.73E-11	1.67E-09	8.89E-11	1.71E-10	8.60E-12	2.69E-10	8.64E-11	1.47E-10	1.09E-11	2.45E-10	4.91E-11	8.13E-11	2.69E-12	1.33E-10
701	743544.69	4111132.43	5.76E-10	1.05E-09	5.77E-11	1.68E-09	8.94E-11	1.72E-10	8.65E-12	2.70E-10	8.69E-11	1.48E-10	1.10E-11	2.46E-10	4.94E-11	8.17E-11	2.71E-12	1.34E-10
702	743531.28	4111152.55	5.81E-10	1.06E-09	5.81E-11	1.70E-09	9.00E-11	1.73E-10	8.72E-12	2.72E-10	8.76E-11	1.49E-10	1.11E-11	2.48E-10	4.98E-11	8.23E-11	2.73E-12	1.35E-10
703	743517.86	4111172.67	5.85E-10	1.07E-09	5.86E-11	1.71E-09	9.08E-11	1.75E-10	8.79E-12	2.74E-10	8.83E-11	1.50E-10	1.12E-11	2.50E-10	5.02E-11	8.30E-11	2.75E-12	1.36E-10
704	743504.45	4111192.79	5.91E-10	1.08E-09	5.91E-11	1.73E-09	9.16E-11	1.76E-10	8.86E-12	2.77E-10	8.91E-11	1.52E-10	1.13E-11	2.52E-10	5.06E-11	8.37E-11	2.78E-12	1.37E-10
705	743491.03	4111212.91	5.96E-10	1.09E-09	5.96E-11	1.74E-09	9.24E-11	1.78E-10	8.94E-12	2.79E-10	8.98E-11	1.53E-10	1.14E-11	2.54E-10	5.10E-11	8.44E-11	2.80E-12	1.38E-10
706	743477.62	4111233.03	6.00E-10	1.09E-09	6.01E-11	1.75E-09	9.31E-11	1.79E-10	9.01E-12	2.81E-10	9.05E-11	1.54E-10	1.14E-11	2.56E-10	5.14E-11	8.51E-11	2.82E-12	1.39E-10
707	743464.2	4111253.14	6.04E-10	1.10E-09	6.04E-11	1.76E-09	9.37E-11	1.80E-10	9.06E-12	2.83E-10	9.11E-11	1.55E-10	1.15E-11	2.58E-10	5.18E-11	8.56E-11	2.84E-12	1.40E-10
708	743450.79	4111273.26	6.07E-10	1.11E-09	6.07E-11	1.77E-09	9.41E-11	1.81E-10	9.11E-12	2.84E-10	9.15E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.60E-11	2.85E-12	1.41E-10
709	743437.37	4111293.38	6.08E-10	1.11E-09	6.08E-11	1.78E-09	9.42E-11	1.82E-10	9.12E-12	2.85E-10	9.16E-11	1.56E-10	1.16E-11	2.59E-10	5.21E-11	8.62E-11	2.86E-12	1.41E-10
710	743423.96	4111313.5	6.07E-10	1.11E-09	6.07E-11	1.77E-09	9.41E-11	1.81E-10	9.11E-12	2.85E-10	9.15E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.61E-11	2.85E-12	1.41E-10
711	743410.54	4111333.62	6.04E-10	1.10E-09	6.04E-11	1.76E-09	9.37E-11	1.80E-10	9.06E-12	2.83E-10	9.11E-11	1.55E-10	1.15E-11	2.58E-10	5.18E-11	8.56E-11	2.84E-12	1.40E-10
712	743397.12	4111353.74	5.99E-10	1.09E-09	5.99E-11	1.75E-09	9.28E-11	1.79E-10	8.98E-12	2.81E-10	9.03E-11	1.54E-10	1.14E-11	2.56E-10	5.13E-11	8.49E-11	2.81E-12	1.39E-10
713	743383.71	4111373.85	5.90E-10	1.08E-09	5.91E-11	1.73E-09	9.16E-11	1.76E-10	8.86E-12	2.77E-10	8.90E-11	1.52E-10	1.13E-11	2.52E-10	5.06E-11	8.37E-11	2.77E-12	1.37E-10
714	743370.29	4111393.97	5.80E-10	1.06E-09	5.80E-11	1.69E-09	8.99E-11	1.73E-10	8.70E-12	2.72E-10	8.74E-11	1.49E-10	1.10E-11	2.48E-10	4.97E-11	8.22E-11	2.72E-12	1.35E-10
715	743356.88	4111414.09	5.66E-10	1.03E-09	5.67E-11	1.66E-09	8.78E-11	1.69E-10	8.50E-12	2.66E-10	8.54E-11	1.46E-10	1.08E-11	2.42E-10	4.85E-11	8.03E-11	2.66E-12	1.32E-10
716	743343.46	4111434.21	5.50E-10	1.00E-09	5.51E-11	1.61E-09	8.53E-11	1.64E-10	8.26E-12	2.58E-10	8.30E-11	1.41E-10	1.05E-11	2.35E-10	4.72E-11	7.80E-11	2.59E-12	1.28E-10
717	743330.05	4111454.33	5.32E-10	9.69E-10	5.32E-11	1.55E-09	8.25E-11	1.59E-10	7.99E-12	2.49E-10	8.02E-11	1.37E-10	1.01E-11	2.27E-10	4.56E-11	7.54E-11	2.50E-12	1.24E-10
718	743316.63	4111474.45	5.12E-10	9.34E-10	5.13E-11	1.50E-09	7.95E-11	1.53E-10	7.69E-12	2.40E-10	7.73E-11	1.32E-10	9.76E-12	2.19E-10	4.39E-11	7.26E-11	2.41E-12	1.19E-10
719	743303.22	4111494.56	4.91E-10	8.95E-10	4.91E-11	1.44E-09	7.62E-11	1.47E-10	7.37E-12	2.30E-10	7.41E-11	1.26E-10	9.36E-12	2.10E-10	4.21E-11	6.96E-11	2.31E-12	1.14E-10
720	743289.8	4111514.68	4.70E-10	8.56E-10	4.70E-11	1.37E-09	7.28E-11	1.40E-10	7.05E-12	2.20E-10	7.08E-11	1.21E-10	8.95E-12	2.00E-10	4.02E-11	6.66E-11	2.21E-12	1.09E-10
721	743276.39	4111534.8	4.48E-10	8.16E-10	4.48E-11	1.31E-09	6.95E-11	1.34E-10	6.72E-12	2.10E-10	6.76E-11	1.15E-10	8.54E-12	1.91E-10	3.84E-11	6.35E-11	2.11E-12	1.04E-10
722	743262.97	4111554.92	4.27E-10	7.79E-10	4.28E-11	1.25E-09	6.63E-11	1.28E-10	6.41E-12	2.00E-10	6.44E-11	1.10E-10	8.14E-12	1.82E-10	3.66E-11	6.06E-11	2.01E-12	9.92E-11
723	743772.79	4108944.69	1.74E-09	3.17E-09	1.74E-10	5.08E-09	2.69E-10	5.19E-10	2.61E-11	8.14E-10	2.62E-10	4.47E-10	3.31E-11	7.42E-10	1.49E-10	2.46E-10	8.16E-12	4.03E-10
724	743759.24	4108924.33	1.74E-09	3.17E-09	1.74E-10	5.09E-09	2.70E-10	5.20E-10	2.61E-11	8.16E-10	2.62E-10	4.47E-10	3.32E-11	7.43E-10	1.49E-10	2.47E-10	8.18E-12	4.04E-10
725	743745.69	4108903.96	1.74E-09	3.17E-09	1.74E-10	5.09E-09	2.70E-10	5.20E-10	2.61E-11	8.16E-10	2.63E-10	4.48E-10	3.32E-11	7.43E-10	1.49E-10	2.47E-10	8.18E-12	4.04E-10
726	743732.14	4108883.6	1.74E-09	3.17E-09	1.74E-10	5.08E-09	2.70E-10	5.20E-10	2.61E-11	8.15E-10	2.62E-10	4.47E-10	3.31E-11	7.42E-10	1.49E-10	2.47E-10	8.17E-12	4.04E-10
727	743718.59	4108863.24	1.73E-09	3.16E-09	1.73E-10	5.06E-09	2.69E-10	5.18E-10	2.60E-11	8.13E-10	2.61E-10	4.46E-10	3.30E-11	7.40E-10	1.49E-10	2.46E-10	8.14E-12	4.02E-10
728	743705.04	4108842.88	1.72E-09	3.14E-09	1.72E-10	5.04E-09	2.67E-10	5.15E-10	2.59E-11	8.08E-10	2.60E-10	4.43E-10	3.28E-11	7.36E-10	1.48E-10	2.44E-10	8.10E-12	4.00E-10
729	743691.49	4108822.52	1.71E-09	3.11E-09	1.71E-10	4.99E-09	2.65E-10	5.11E-10	2.57E-11	8.01E-10	2.58E-10	4.39E-10	3.26E-11	7.30E-10	1.46E-10	2.42E-10	8.03E-12	3.97E-10
730	743677.95	4108802.16	1.69E-09	3.08E-09	1.69E-10	4.94E-09	2.62E-10	5.05E-10	2.54E-11	7.93E-10	2.55E-10	4.35E-10	3.22E-11	7.22E-10	1.45E-10	2.40E-10	7.95E-12	3.93E-10
731	743664.4	4108781.8	1.67E-09	3.04E-09	1.67E-10	4.88E-09	2.59E-10	4.99E-10	2.51E-11	7.83E-10	2.52E-10	4.29E-10	3.18E-11	7.13E-10	1.43E-10	2.37E-10	7.85E-12	3.88E-10
732	744110.53	4108747.02	1.31E-09	2.39E-09	1.31E-10	3.83E-09	2.03E-10	3.91E-10	1.97E-11	6.14E-10	1.98E-10	3.37E-10	2.50E-11	5.59E-10	1.12E-10	1.86E-10	6.16E-12	3.04E-10
733	744115.27	4108770.95	1.32E-09	2.40E-09	1.32E-10	3.84E-09	2.04E-10	3.93E-10	1.97E-11	6.17E-10	1.98E-10	3.38E-10	2.51E-11	5.61E-10	1.13E-10	1.86E-10	6.18E-12	3.05E-10
734	744120.01	4108794.88	1.32E-09	2.40E-09	1.32E-10	3.85E-09	2.05E-10	3.94E-10	1.98E-11	6.18E-10	1.99E-10	3.39E-10	2.51E-11	5.63E-10	1.13E-10	1.87E-10	6.20E-12	3.06E-10
735	744124.74	4108818.81	1.32E-09	2.41E-09	1.32E-10	3.86E-09	2.05E-10	3.94E-10	1.98E-11	6.19E-10	1.99E-10	3.39E-10	2.52E-11	5.64E-10	1.13E-10	1.87E-10	6.21E-12	3.07E-10
736	744129.48	4108842.74	1.32E-09	2.40E-09	1.32E-10	3.86E-09	2.05E-10	3.94E-10	1.98E-11	6.19E-10	1.99E-10	3.39E-10	2.51E-11	5.63E-10	1.13E-10	1.87E-10	6.20E-12	3.06E-10
737	744134.21	4108866.67	1.32E-09	2.40E-09	1.32E-10	3.84E-09	2.04E-10	3.93E-10	1.97E-11	6.17E-10	1.98E-10	3.38E-10	2.51E-11	5.61E-10	1.13E-10	1.86E-10	6.18E-12	3.05E-10
738	744138.95	4108890.6	1.31E-09	2.38E-09	1.31E-10	3.82E-09	2.03E-10	3.90E-10	1.96E-11	6.13E-10	1.97E-10	3.36E-10	2.49E-11	5.58E-10	1.12E-10	1.85E-10	6.14E-12	3.03E-10
739	744143.69	4108914.53	1.29E-09	2.36E-09	1.30E-10	3.78E-09	2.01E-10	3.87E-10	1.94E-11	6.07E-10	1.95E-10	3.33E-10	2.47E-11	5.53E-10	1.11E-10	1.84E-10	6.08E-12	3.01E-10
740	744148.42	4108938.45	1.28E-09	2.33E-09	1.28E-10	3.73E-09	1.98E-10	3.82E-10	1.92E-11	5.99E-10	1.93E-10	3.29E-10	2.44E-11	5.46E-10	1.10E-10	1.81E-10	6.01E-12	2.97E-10
741	744153.16	4108962.38	1.26E-09	2.29E-09	1.26E-10	3.67E-09	1.95E-10	3.76E-10	1.89E-11	5.90E-10	1.90E-10	3.23E-10	2.40E-11	5.37E-10	1.08E-10	1.78E-10	5.91E-12	2.92E-10
742	744157.89	4108986.31	1.23E-09	2.25E-09	1.23E-10	3.60E-09	1.91E-10	3.68E-10	1.85E-11	5.78E-10	1.86E-10	3.17E-10	2.35E-11	5.26E-10	1.06E-10	1.75E-10	5.79E-12	2.86E-10
743	744162.63	4109010.24	1.21E-09	2.20E-09	1.21E-10	3.52E-09	1.87E-10	3.60E-10	1.81E-11	5.65E-10	1.82E-10	3.10E-10	2.30E-11	5.15E-10	1.03E-10	1.71E-10	5.66E-12	2.80E-10
744	744167.36	4109034.17	1.18E-09	2.14E-09	1.18E-10	3.43E-09	1.82E-10	3.51E-10	1.76E-11	5.51E-10	1.77E-10	3.02E-10	2.24E-11	5.02E-10	1.01E-10	1.67E-10	5.52E-12	2.73E-10
745	744172.1	4109058.1	1.14E-09	2.08E-09	1.14E-10	3.34E-09	1.77E-10	3.42E-10	1.72E-11	5.36E-10	1.72E-10	2.94E-10	2.18E-11	4.88E-10	9.80E-11	1.62E-10	5.37E-12	2.66E-10
746	744176.84	4109082.03	1.11E-09	2.03E-09	1.11E-10	3.25E-09	1.72E-10	3.32E-10	1.67E-11	5.21E-10	1.68E-10	2.86E-10	2.12E-11	4.74E-10	9.52E-11	1.58E-10	5.22E-12	2.58E-10
747	744181.57	4109105.96	1.08E-09	1.97E-09	1.08E-10	3.15E-09	1.67E-10	3.22E-10	1.62E-11	5.06E-10	1.63E-10	2.77E-10	2.06E-11	4.61E-10	9.24E-11	1.53E-10	5.07E-12	2.50E-10
748	744186.31	4109129.89	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.13E-10	1.57E-11	4.91E-10	1.58E-10	2.69E-10	1.99E-11	4.47E-10	8.97E-11	1.48E-10	4.92E-12	2.43E-10
749	744191.04	4109153.81	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.57E-10	3.03E-10	1.52E-11	4.76E-10	1.53E-10	2.61E-10	1.93E-11	4.33E-10	8.70E-11	1.44E-10	4.77E-12	2.36E-10
750	744195.78	4109177.74	9.85E-10	1.80E-09	9.86E-11	2.88E-09	1.53E-10	2.94E-10	1.48E-11	4.62E-10	1.49E-10	2.53E-10	1.88E-11	4.21E-10	8.44E-11	1.40E-10	4.63E-12	2.29E-10
751	744200.52	4109201.67	9.57E-10	1.74E-09	9.57E-11	2.80E-09	1.48E-10	2.86E-10	1.44E-11	4.49E-10	1.44E-10	2.46E-10	1.82E-11	4.08E-10	8.20E-11	1.36E-10	4.50E-12	2.22E-10
752	744205.25	4109225.6	9.31E-10	1.70E-09	9.31E-11	2.72E-09	1.44E-10	2.78E-10	1.40E-11	4.36E-10	1.40E-10	2.39E-10	1.77E-11	3.97E-10	7.98E-11	1.32E-10	4.37E-12	2.16E-10
753	744209.99	4109249.53	9.07E-10	1.65E-09	9.08E-11	2.65E-09	1.41E-10	2.71E-10	1.36E-11	4.25E-10	1.37E-10	2.33E-10	1.73E-11	3.87E-10	7.77E-11	1.29E-10	4.26E-12	2.11E-10
754	744214.72	4109273.46	8.87E-10	1.62E-09	8.88E-11	2.59E-09	1.38E-10	2.65E-10	1.33E-11	4.16E-10	1.34E-10	2.28E-10	1.69E-11	3.79E-10	7.60E-11	1.26E-10	4.17E-12	2.06E-10
755	744219.46	4109297.39	8.71E-10	1.59E-09	8.72E-11	2.55E-09	1.35E-10	2.60E-10	1.31E-11	4.08E-10	1.31E-10	2.24E-10	1.66E-11	3.72E-10	7.46E-11	1.24E-10	4.09E-12	2.02E-10
756	744224.2	4109321.32	8.59E-10	1.57E-09	8.60E-11	2.51E-09	1.33E-10	2.57E-10	1.29E-11	4.03E-10	1.30E-10	2.21E-10	1.64E-11	3.67E-10	7.36E-11	1.22E-10	4.04E-12	2.00E-10
757	744228.93	4109345.25	8.52E-10	1.55E-09	8.53E-11	2.49E-09	1.32E-10	2.55E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.64E-10	7.30E-11	1.21E-10	4.00E-12	1.98E-10
758	744233.67	4109369.17	8.49E-10	1.55E-09	8.49E-11	2.48E-09	1.32E-10	2.54E-10	1.27E-11	3.98E-10	1.28E-10	2.18E-10	1.62E-11	3.62E-10	7.27E-11	1.20E-10	3.99E-12	1.97E-10
759	744238.4	4109393.1	8.50E-10	1.55E-09	8.50E-11	2.48E-09	1.32E-10	2.54E-10	1.27E-11	3.98E-10	1.28E-10	2.18E-10	1.62E-11	3.63E-10	7.28E-11	1.20E-10	3.99E-12	1.97E-10
760	744243.14	4109417.03	8.54E-10	1.56E-09	8.54E-11	2.49E-09	1.32E-10	2.55E-10	1.28E-11	4.00E-10	1.29E-10	2.19E-10	1.63E-11	3.64E-10	7.31E-11	1.21E-10	4.01E-12	1.98E-10
761	744247.88	4109440.96	8.59E-10	1.57E-09	8.60E-11	2.51E-09	1.33E-10	2.57E-10	1.29E-11	4.03E-10	1.30E-10	2.21E-10	1.64E-11	3.67E-10	7.36E-11	1.22E-10	4.04E-12	2.00E-10
762	744252.61	4109464.89	8.66E-10	1.58E-09	8.67E-11	2.53E-09	1.34E-10	2.59E-10	1.30E-11	4.06E-10	1.31E-10	2.23E-10	1.65E-11	3.70E-10	7.42E-11	1.23E-10	4.07E-12	2.01E-10
763	744257.35	4109488.82	8.73E-10	1.59E-09	8.74E-11	2.55E-09	1.35E-10	2.61E-10	1.31E-11	4.09E-10	1.32E-10	2.25E-10	1.66E-11	3.73E-10	7.48E-11	1.24E-10	4.10E-12	2.03E-10
764	744262.08	4109512.75	8.79E-10	1.60E-09	8.80E-11	2.57E-09	1.36E-10	2.63E-10	1.32E-11	4.12E-10	1.33E-10	2.26E-10	1.68E-11	3.75E-10	7.53E-11	1.25E-10	4.13E-12	2.04E-10

765	744266.82	4109536.68	8.82E-10	1.61E-09	8.83E-11	2.58E-09	1.37E-10	2.64E-10	1.32E-11	4.14E-10	1.33E-10	2.27E-10	1.68E-11	3.77E-10	7.56E-11	1.25E-10	4.15E-12	2.05E-10
766	744271.55	4109560.61	8.83E-10	1.61E-09	8.83E-11	2.58E-09	1.37E-10	2.64E-10	1.33E-11	4.14E-10	1.33E-10	2.27E-10	1.68E-11	3.77E-10	7.57E-11	1.25E-10	4.15E-12	2.05E-10
767	744276.29	4109584.53	8.80E-10	1.60E-09	8.81E-11	2.57E-09	1.37E-10	2.63E-10	1.32E-11	4.13E-10	1.33E-10	2.26E-10	1.68E-11	3.76E-10	7.54E-11	1.25E-10	4.14E-12	2.04E-10
768	744281.03	4109608.46	8.75E-10	1.59E-09	8.75E-11	2.56E-09	1.36E-10	2.61E-10	1.31E-11	4.10E-10	1.32E-10	2.25E-10	1.67E-11	3.73E-10	7.49E-11	1.24E-10	4.11E-12	2.03E-10
769	744285.76	4109632.39	8.65E-10	1.58E-09	8.66E-11	2.53E-09	1.34E-10	2.58E-10	1.30E-11	4.06E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.41E-11	1.23E-10	4.07E-12	2.01E-10
770	744290.5	4109656.32	8.52E-10	1.55E-09	8.52E-11	2.49E-09	1.32E-10	2.55E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.64E-10	7.30E-11	1.21E-10	4.00E-12	1.98E-10
771	744295.23	4109680.25	8.35E-10	1.52E-09	8.36E-11	2.44E-09	1.30E-10	2.50E-10	1.25E-11	3.92E-10	1.26E-10	2.15E-10	1.59E-11	3.57E-10	7.16E-11	1.18E-10	3.93E-12	1.94E-10
772	744299.97	4109704.18	8.17E-10	1.49E-09	8.18E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
773	744304.71	4109728.11	7.98E-10	1.45E-09	7.98E-11	2.33E-09	1.24E-10	2.38E-10	1.20E-11	3.74E-10	1.20E-10	2.05E-10	1.52E-11	3.41E-10	6.84E-11	1.13E-10	3.75E-12	1.85E-10
774	744309.44	4109752.04	7.79E-10	1.42E-09	7.79E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.65E-10	1.17E-10	2.00E-10	1.48E-11	3.32E-10	6.67E-11	1.10E-10	3.66E-12	1.81E-10
775	744314.18	4109775.97	7.59E-10	1.38E-09	7.60E-11	2.22E-09	1.18E-10	2.27E-10	1.14E-11	3.56E-10	1.14E-10	1.95E-10	1.45E-11	3.24E-10	6.51E-11	1.08E-10	3.57E-12	1.76E-10
776	744318.91	4109799.89	7.40E-10	1.35E-09	7.41E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.12E-10	1.90E-10	1.41E-11	3.16E-10	6.34E-11	1.05E-10	3.48E-12	1.72E-10
777	744323.65	4109823.82	7.22E-10	1.32E-09	7.23E-11	2.11E-09	1.12E-10	2.16E-10	1.08E-11	3.39E-10	1.09E-10	1.86E-10	1.38E-11	3.08E-10	6.19E-11	1.02E-10	3.39E-12	1.68E-10
778	744328.39	4109847.75	7.04E-10	1.28E-09	7.05E-11	2.06E-09	1.09E-10	2.10E-10	1.06E-11	3.30E-10	1.06E-10	1.81E-10	1.34E-11	3.01E-10	6.04E-11	9.99E-11	3.31E-12	1.64E-10
779	744333.12	4109871.68	6.88E-10	1.25E-09	6.88E-11	2.01E-09	1.07E-10	2.05E-10	1.03E-11	3.22E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.89E-11	9.75E-11	3.23E-12	1.60E-10
780	744337.86	4109895.61	6.72E-10	1.22E-09	6.72E-11	1.96E-09	1.04E-10	2.01E-10	1.01E-11	3.15E-10	1.01E-10	1.73E-10	1.28E-11	2.87E-10	5.76E-11	9.53E-11	3.16E-12	1.56E-10
781	744342.59	4109919.54	6.57E-10	1.20E-09	6.58E-11	1.92E-09	1.02E-10	1.96E-10	9.87E-12	3.08E-10	9.91E-11	1.69E-10	1.25E-11	2.81E-10	5.63E-11	9.32E-11	3.09E-12	1.53E-10
782	744347.33	4109943.47	6.44E-10	1.17E-09	6.44E-11	1.88E-09	9.98E-11	1.92E-10	9.66E-12	3.02E-10	9.71E-11	1.65E-10	1.23E-11	2.75E-10	5.52E-11	9.13E-11	3.02E-12	1.49E-10
783	744352.06	4109967.4	6.31E-10	1.15E-09	6.31E-11	1.84E-09	9.78E-11	1.88E-10	9.47E-12	2.96E-10	9.51E-11	1.62E-10	1.20E-11	2.69E-10	5.41E-11	8.95E-11	2.96E-12	1.46E-10
784	744356.8	4109991.33	6.19E-10	1.13E-09	6.20E-11	1.81E-09	9.60E-11	1.85E-10	9.29E-12	2.90E-10	9.34E-11	1.59E-10	1.18E-11	2.64E-10	5.31E-11	8.78E-11	2.91E-12	1.44E-10
785	744361.54	4110015.25	6.08E-10	1.11E-09	6.09E-11	1.78E-09	9.43E-11	1.82E-10	9.13E-12	2.85E-10	9.17E-11	1.56E-10	1.16E-11	2.60E-10	5.21E-11	8.62E-11	2.86E-12	1.41E-10
786	744366.27	4110039.18	5.98E-10	1.09E-09	5.99E-11	1.75E-09	9.28E-11	1.79E-10	8.98E-12	2.81E-10	9.02E-11	1.54E-10	1.14E-11	2.55E-10	5.13E-11	8.48E-11	2.81E-12	1.39E-10
787	744371.01	4110063.11	5.89E-10	1.07E-09	5.90E-11	1.72E-09	9.14E-11	1.76E-10	8.84E-12	2.76E-10	8.89E-11	1.51E-10	1.12E-11	2.52E-10	5.05E-11	8.36E-11	2.77E-12	1.37E-10
788	744375.74	4110087.04	5.81E-10	1.06E-09	5.81E-11	1.70E-09	9.01E-11	1.74E-10	8.72E-12	2.72E-10	8.76E-11	1.49E-10	1.11E-11	2.48E-10	4.98E-11	8.24E-11	2.73E-12	1.35E-10
789	744380.48	4110110.97	5.74E-10	1.05E-09	5.74E-11	1.68E-09	8.90E-11	1.71E-10	8.61E-12	2.69E-10	8.65E-11	1.47E-10	1.09E-11	2.45E-10	4.92E-11	8.13E-11	2.70E-12	1.33E-10
790	744385.22	4110134.9	5.67E-10	1.03E-09	5.67E-11	1.66E-09	8.79E-11	1.69E-10	8.51E-12	2.66E-10	8.55E-11	1.46E-10	1.08E-11	2.42E-10	4.86E-11	8.04E-11	2.66E-12	1.32E-10
791	744389.95	4110158.83	5.61E-10	1.02E-09	5.61E-11	1.64E-09	8.70E-11	1.68E-10	8.42E-12	2.63E-10	8.46E-11	1.44E-10	1.07E-11	2.39E-10	4.81E-11	7.95E-11	2.64E-12	1.30E-10
792	744394.69	4110182.76	5.55E-10	1.01E-09	5.56E-11	1.62E-09	8.61E-11	1.66E-10	8.33E-12	2.60E-10	8.37E-11	1.43E-10	1.06E-11	2.37E-10	4.76E-11	7.87E-11	2.61E-12	1.29E-10
793	744399.42	4110206.69	5.50E-10	1.00E-09	5.50E-11	1.61E-09	8.53E-11	1.64E-10	8.26E-12	2.58E-10	8.29E-11	1.41E-10	1.05E-11	2.35E-10	4.71E-11	7.80E-11	2.58E-12	1.28E-10
794	744404.16	4110230.61	5.45E-10	9.93E-10	5.45E-11	1.59E-09	8.45E-11	1.63E-10	8.18E-12	2.56E-10	8.22E-11	1.40E-10	1.04E-11	2.33E-10	4.67E-11	7.73E-11	2.56E-12	1.27E-10
795	744408.9	4110254.54	5.40E-10	9.85E-10	5.41E-11	1.58E-09	8.38E-11	1.61E-10	8.11E-12	2.53E-10	8.15E-11	1.39E-10	1.03E-11	2.31E-10	4.63E-11	7.66E-11	2.54E-12	1.25E-10
796	744413.63	4110278.47	5.36E-10	9.76E-10	5.36E-11	1.57E-09	8.31E-11	1.60E-10	8.04E-12	2.51E-10	8.08E-11	1.38E-10	1.02E-11	2.29E-10	4.59E-11	7.60E-11	2.52E-12	1.24E-10
797	744418.37	4110302.4	5.31E-10	9.68E-10	5.31E-11	1.55E-09	8.24E-11	1.59E-10	7.97E-12	2.49E-10	8.01E-11	1.37E-10	1.01E-11	2.27E-10	4.55E-11	7.53E-11	2.50E-12	1.23E-10
798	744423.1	4110326.33	5.27E-10	9.60E-10	5.27E-11	1.54E-09	8.17E-11	1.57E-10	7.91E-12	2.47E-10	7.94E-11	1.35E-10	1.00E-11	2.25E-10	4.51E-11	7.47E-11	2.48E-12	1.22E-10
799	744427.84	4110350.26	5.22E-10	9.52E-10	5.23E-11	1.53E-09	8.10E-11	1.56E-10	7.84E-12	2.45E-10	7.88E-11	1.34E-10	9.95E-12	2.23E-10	4.48E-11	7.41E-11	2.45E-12	1.21E-10
800	744432.58	4110374.19	5.18E-10	9.44E-10	5.18E-11	1.51E-09	8.03E-11	1.55E-10	7.77E-12	2.43E-10	7.81E-11	1.33E-10	9.87E-12	2.21E-10	4.44E-11	7.34E-11	2.43E-12	1.20E-10
801	744437.31	4110398.12	5.14E-10	9.36E-10	5.14E-11	1.50E-09	7.97E-11	1.53E-10	7.71E-12	2.41E-10	7.75E-11	1.32E-10	9.79E-12	2.19E-10	4.40E-11	7.28E-11	2.41E-12	1.19E-10
802	744442.05	4110422.04	5.09E-10	9.28E-10	5.10E-11	1.49E-09	7.90E-11	1.52E-10	7.65E-12	2.39E-10	7.68E-11	1.31E-10	9.71E-12	2.18E-10	4.37E-11	7.22E-11	2.39E-12	1.18E-10
803	744433.25	4110466.27	5.08E-10	9.26E-10	5.08E-11	1.48E-09	7.88E-11	1.52E-10	7.62E-12	2.38E-10	7.66E-11	1.31E-10	9.68E-12	2.17E-10	4.35E-11	7.20E-11	2.39E-12	1.18E-10
804	744419.72	4110486.56	5.11E-10	9.31E-10	5.11E-11	1.49E-09	7.92E-11	1.53E-10	7.67E-12	2.39E-10	7.70E-11	1.31E-10	9.73E-12	2.18E-10	4.38E-11	7.24E-11	2.40E-12	1.19E-10
805	744406.18	4110506.86	5.14E-10	9.37E-10	5.14E-11	1.50E-09	7.97E-11	1.54E-10	7.72E-12	2.41E-10	7.75E-11	1.32E-10	9.80E-12	2.19E-10	4.40E-11	7.29E-11	2.42E-12	1.19E-10
806	744392.65	4110527.15	5.18E-10	9.44E-10	5.18E-11	1.51E-09	8.03E-11	1.55E-10	7.77E-12	2.43E-10	7.81E-11	1.33E-10	9.87E-12	2.21E-10	4.44E-11	7.34E-11	2.43E-12	1.20E-10
807	744379.12	4110547.45	5.23E-10	9.52E-10	5.23E-11	1.53E-09	8.10E-11	1.56E-10	7.84E-12	2.45E-10	7.88E-11	1.34E-10	9.96E-12	2.23E-10	4.48E-11	7.41E-11	2.46E-12	1.21E-10
808	744365.59	4110567.74	5.28E-10	9.62E-10	5.28E-11	1.54E-09	8.18E-11	1.58E-10	7.92E-12	2.47E-10	7.96E-11	1.36E-10	1.01E-11	2.25E-10	4.52E-11	7.48E-11	2.48E-12	1.23E-10
809	744352.05	4110588.04	5.34E-10	9.72E-10	5.34E-11	1.56E-09	8.28E-11	1.59E-10	8.01E-12	2.50E-10	8.05E-11	1.37E-10	1.02E-11	2.28E-10	4.57E-11	7.57E-11	2.51E-12	1.24E-10
810	744338.52	4110608.33	5.40E-10	9.84E-10	5.40E-11	1.58E-09	8.37E-11	1.61E-10	8.10E-12	2.53E-10	8.14E-11	1.39E-10	1.03E-11	2.31E-10	4.63E-11	7.66E-11	2.54E-12	1.25E-10
811	744324.99	4110628.63	5.47E-10	9.96E-10	5.47E-11	1.60E-09	8.48E-11	1.63E-10	8.20E-12	2.56E-10	8.24E-11	1.41E-10	1.04E-11	2.33E-10	4.68E-11	7.75E-11	2.57E-12	1.27E-10
812	744311.45	4110648.92	5.53E-10	1.01E-09	5.54E-11	1.62E-09	8.58E-11	1.65E-10	8.30E-12	2.59E-10	8.34E-11	1.42E-10	1.05E-11	2.36E-10	4.74E-11	7.85E-11	2.60E-12	1.28E-10
813	744297.92	4110669.22	5.60E-10	1.02E-09	5.60E-11	1.64E-09	8.68E-11	1.67E-10	8.40E-12	2.63E-10	8.44E-11	1.44E-10	1.07E-11	2.39E-10	4.80E-11	7.94E-11	2.63E-12	1.30E-10
814	744284.39	4110689.51	5.66E-10	1.03E-09	5.66E-11	1.65E-09	8.78E-11	1.69E-10	8.49E-12	2.65E-10	8.54E-11	1.45E-10	1.08E-11	2.42E-10	4.85E-11	8.02E-11	2.66E-12	1.31E-10
815	744270.86	4110709.81	5.71E-10	1.04E-09	5.72E-11	1.67E-09	8.86E-11	1.71E-10	8.57E-12	2.68E-10	8.62E-11	1.47E-10	1.09E-11	2.44E-10	4.90E-11	8.10E-11	2.68E-12	1.33E-10
816	744257.32	4110730.1	5.76E-10	1.05E-09	5.76E-11	1.68E-09	8.93E-11	1.72E-10	8.64E-12	2.70E-10	8.68E-11	1.48E-10	1.10E-11	2.46E-10	4.93E-11	8.16E-11	2.71E-12	1.34E-10
817	744243.79	4110750.4	5.79E-10	1.05E-09	5.79E-11	1.69E-09	8.97E-11	1.73E-10	8.68E-12	2.71E-10	8.72E-11	1.49E-10	1.10E-11	2.47E-10	4.96E-11	8.20E-11	2.72E-12	1.34E-10
818	744230.26	4110770.69	5.80E-10	1.06E-09	5.80E-11	1.69E-09	8.99E-11	1.73E-10	8.70E-12	2.72E-10	8.75E-11	1.49E-10	1.11E-11	2.48E-10	4.97E-11	8.22E-11	2.73E-12	1.35E-10
819	744216.72	4110790.99	5.79E-10	1.06E-09	5.80E-11	1.69E-09	8.98E-11	1.73E-10	8.70E-12	2.72E-10	8.74E-11	1.49E-10	1.10E-11	2.47E-10	4.96E-11	8.21E-11	2.72E-12	1.35E-10
820	744203.19	4110811.28	5.77E-10	1.05E-09	5.77E-11	1.69E-09	8.95E-11	1.72E-10	8.66E-12	2.70E-10	8.70E-11	1.48E-10	1.10E-11	2.46E-10	4.94E-11	8.18E-11	2.71E-12	1.34E-10
821	744189.66	4110831.58	5.73E-10	1.04E-09	5.73E-11	1.67E-09	8.88E-11	1.71E-10	8.60E-12	2.69E-10	8.64E-11	1.47E-10	1.09E-11	2.45E-10	4.91E-11	8.12E-11	2.69E-12	1.33E-10
822	744176.13	4110851.87	5.67E-10	1.03E-09	5.67E-11	1.66E-09	8.79E-11	1.69E-10	8.51E-12	2.66E-10	8.55E-11	1.46E-10	1.08E-11	2.42E-10	4.86E-11	8.04E-11	2.66E-12	1.32E-10
823	744162.59	4110872.17	5.59E-10	1.02E-09	5.59E-11	1.63E-09	8.67E-11	1.67E-10	8.39E-12	2.62E-10	8.43E-11	1.44E-10	1.06E-11	2.39E-10	4.79E-11	7.92E-11	2.63E-12	1.30E-10
824	744149.06	4110892.46	5.49E-10	1.00E-09	5.50E-11	1.61E-09	8.52E-11	1.64E-10	8.25E-12	2.58E-10	8.29E-11	1.41E-10	1.05E-11	2.35E-10	4.71E-11	7.79E-11	2.58E-12	1.28E-10
825	744135.53	4110912.76	5.39E-10	9.82E-10	5.39E-11	1.58E-09	8.36E-11	1.61E-10	8.09E-12	2.53E-10	8.13E-11	1.39E-10	1.03E-11	2.30E-10	4.62E-11	7.64E-11	2.53E-12	1.25E-10
826	744121.99	4110933.05	5.28E-10	9.62E-10	5.28E-11	1.54E-09	8.19E-11	1.58E-10	7.92E-12	2.48E-10	7.96E-11	1.36E-10	1.01E-11	2.25E-10	4.52E-11	7.49E-11	2.48E-12	1.23E-10
827	744108.46	4110953.35	5.17E-10	9.41E-10	5.17E-11	1.51E-09	8.01E-11	1.54E-10	7.75E-12	2.42E-10	7.79E-11	1.33E-10	9.84E-12	2.21E-10	4.43E-11	7.32E-11	2.43E-12	1.20E-10
828	744094.93	4110973.64	5.05E-10	9.20E-10	5.05E-11	1.48E-09	7.83E-11	1.51E-10	7.58E-12	2.37E-10	7.61E-11	1.30E-10	9.62E-12	2.16E-10	4.33E-11	7.16E-11	2.37E-12	1.17E-10
829	744081.4	4110993.93	4.94E-10	9.00E-10	4.94E-11	1.44E-09	7.66E-11	1.47E-10	7.41E-12	2.31E-10	7.44E-11	1.27E-10	9.41E-12	2.11E-10	4.23E-11	7.00E-11	2.32E-12	1.15E-10
830	744067.86	4111014.23	4.83E-10	8.80E-10	4.83E-11	1.41E-09	7.49E-11	1.44E-10	7.25E-12	2.26E-10	7.28E-11	1.24E-10	9.20E-12	2.06E-10	4.14E-11	6.85E-11	2.27E-12	1.12E-10
831	744054.33	4111034.52	4.73E-10	8.63E-10	4.74E-11	1.38E-09	7.34E-11	1.41E-10	7.10E-12	2.22E-10	7.14E-11	1.22E-10	9.02E-12	2.02E-10	4.06E-11	6.71E-11	2.22E-12	1.10E-10
832	744040.8	4111054.82	4.65E-10	8.47E-10	4.65E-11	1.36E-09	7.21E-11	1.39E-10	6.98E-12	2.18E-10	7.01E-11	1.19E-10	8.86E-12	1.98E-10	3.98E-11	6.59E-11	2.18E-12	1.08E-10
833	744027.26	4111075.11	4.57E-10	8.33E-10	4.58E-11	1.34E-09	7.09E-11	1.37E-10	6.86E-12	2.14E-10	6.90E-11	1.18E-10	8.71E-12	1.95E-10	3.92E-11	6.48E-11	2.15E-12	1.06E-10
834	744013.73	4111095.41	4.51E-10	8.22E-10	4.51E-11	1.32E-09	6.99E-11	1.35E-10	6.77E-12	2.11E-10	6.80E-11	1.16E-10	8.59E-12	1.93E-10	3.86E-11	6.39E-11	2.12E-12	1.05E-10
835	744000.2	4111115.7	4.46E-10	8.12E-10	4.46E-11	1.30E-09	6.91E-11	1.33E-10	6.69E-12	2.09E-10	6.72E-11	1.15E-10	8.49E-12	1.90E-10	3.82E-11	6.32E-11	2.09E-12	1.03E-10
836	743986.67	4111136	4.42E-10	8.05E-10	4.42E-11	1.29E-09	6.85E-11	1.32E-10	6.63E-12	2.07E-10	6.66E-11	1.14E-10	8.41E-12	1.89E-10	3.78E-11	6.26E-11	2.08E-12	1.03E-10
837	743973.13	4111156.29	4.38E-10	7.99E-10	4.39E-11	1.28E-09	6.80E-11	1.31E-10	6.58E-12	2.05E-10	6.61E-11	1.13E-10	8.35E-12	1.87E-10	3.76E-11	6.21E-11	2.06E-12	1.02E-10
838	743959.6	4111176.59	4.36E-10	7.94E-10	4.36E-11	1.27E-09	6.76E-11	1.30E-10	6.54E-12	2.04E-10	6.57E-11	1.12E-10	8.30E-12	1.86E-10	3.73E-11	6.18E-11	2.05E-12	1.01E-10
839	743946.07	4111196.88	4.34E-10	7.90E-10	4.34E-11	1.27E-09	6.73E-11	1.30E-10	6.51E-12	2.03E-10	6.54E-11	1.12E-10	8.27E-12	1.85E-10	3.72E-11	6.15E-11	2.04E-12	1.01E-10
840	743932.53	4111217.18	4.33E-10	7.88E-10	4.33E-11	1.26E-09	6.71E-11	1.29E-10	6.49E-12	2.03E-10	6.52E-11	1.11E-10	8.24E-12	1.85E-10	3.71E-11	6.13E-11	2.03E-12	1.00E-10
841	743919	4111237.47	4.32E-10	7.87E-10	4.32E-11	1.26E-09	6.69E-11	1.29E-10	6.48E-12	2.02E-10	6.51E-11	1.11E-10	8.23E-12	1.84E-10	3.70E-11	6.12E-11	2.03E-12	1.00E-10
842	743905.47	4111257.77	4.31E-10	7.86E-10	4.31E-11	1.26E-09	6.69E-11	1.29E-10	6.47E-12	2.02E-10	6.50E-11	1.11E-10	8.22E-12	1.84E-10	3.70E-11	6.11E-11	2.03E-12	1.00E-10
843	743891.94	4111278.06	4.31E-10	7.86E-10	4.31E-11	1.26E-09	6.69E-11	1.29E-10	6.47E-12	2.02E-10	6.50E-11	1.11E-10	8.21E-12	1.84E-10	3.69E-11	6.11E-11	2.03E-12	1.00E-10
844	743878.4	4111298.36	4.32E-10	7.86E-10	4.32E-11	1.26E-09	6.69E-11	1.29E-10	6.48E-12	2.02E-10	6.51E-11	1.11E-10	8.22E-12	1.84E-10	3.70E-11	6.12E-11	2.03E-12	1.00E-10
845	743864.87	4111318.65	4.32E-10	7.88E-10	4.32E-11	1.26E-09	6.70E-11	1.29E-10	6.49E-12	2.03E-10	6.52E-11	1.11E-10	8.24E-12	1.85E-10	3.70E-11	6.13E-11	2.03E-12	1.00E-10
846	743851.34	4111338.95	4.34E-10	7.90E-10	4.34E-11	1.27E-09	6.73E-11	1.30E-10	6.51E-12	2.03E-10	6.54E-11	1.11E-10	8.26E-12	1.85E-10	3.72E-11	6.15E-11	2.04E-12	1.01E-10
847	743837.8	4111359.24	4.36E-10	7.94E-10	4.36E-11	1.27E-09	6.76E-11	1.30E-10	6.54E-12	2.04E-10	6.57E-11	1.12E-10	8.30E-12	1.86E-10	3.73E-11	6.18E-11	2.05E-12	1.01E-10
848	743824.27	4111379.54	4.39E-10	8.00E-10	4.39E-11	1.28E-09	6.81E-11	1.31E-10	6.59E-12	2.06E-10	6.62E-11	1.13E-10	8.36E-12	1.87E-10	3.76E-11	6.22E-11	2.06E-12	1.02E-10
849	743810.74	4111399.83	4.43E-10	8.06E-10	4.43E-11	1.29E-09	6.86E-11	1.32E-10	6.64E-12	2.07E-10	6.67E-11	1.14E-10	8.43E-12	1.89E-10	3.79E-11	6.28E-11	2.08E-12	1.03E-10
850	743797.2	4111420.13	4.47E-10	8.15E-10	4.47E-11	1.31E-09	6.93E-11	1.34E-10	6.71E-12	2.10E-10	6.74E-11	1.15E-10	8.52E-12	1.91E-10	3.83E-11	6.34E-11	2.10E-12	1.04E-10
851	743783.67	4111440.42	4.52E-10	8.24E-10	4.53E-11	1.32E-09	7.02E-11	1.35E-10	6.79E-12	2.12E-10	6.82E-11	1.16E-10	8.62E-12	1.93E-10	3.88E-11	6.41E-11	2.13E-12	1.05E-10
852	743770.14	4111460.72	4.58E-10	8.35E-10	4.58E-11	1.34E-09	7.10E-11	1.37E-10	6.87E-12	2.15E-10	6.91E-11	1.18E-10	8.73E-12	1.96E-10	3.92E-11	6.49E-11	2.15E-12	1.06E-10
853	743756.61	4111481.01	4.64E-10	8.46E-10	4.64E-11	1.36E-09	7.20E-11	1.39E-10	6.96E-12	2.18E-10	7.00E-11	1.19E-10	8.84E-12	1.98E-10	3.98E-11	6.58E-11	2.18E-12	1.08E-10
854	743743.07	4111501.31	4.70E-10	8.56E-10	4.70E-11	1.37E-09	7.29E-11	1.40E-10	7.05E-12	2.20E-10	7.09E-11	1.21E-10	8.95E-12	2.01E-10	4.03E-11	6.66E-11	2.21E-12	1.09E-10
855	743729.54	4111521.6	4.75E-10	8.66E-10	4.76E-11	1.39E-09	7.37E-11	1.42E-10	7.13E-12	2.23E-10	7.17E-11	1.22E-10	9.06E-12	2.03E-10	4.07E-11	6.74E-11	2.23E-12	1.10E-10
856	743716.01	4111541.9	4.80E-10	8.75E-10	4.80E-11	1.40E-09	7.44E-11	1.43E-10	7.20E-12	2.25E-10	7.24E-11	1.23E-10	9.15E-12	2.05E-10	4.11E-11	6.81E-11	2.26E-12	1.11E-10
857	743702.47	4111562.19	4.83E-10	8.81E-10	4.84E-11	1.41E-09	7.50E-11	1.44E-10	7.26E-12	2.27E-10	7.29E-11	1.24E-10	9.21E-12	2.06E-10	4.14E-11	6.85E-11	2.27E-12	1.12E-10
858	743688.94	4111582.49	4.85E-10	8.84E-10	4.86E-11	1.42E-09	7.53E-11	1.45E-10	7.28E-12	2.28E-10	7.32E-11	1.25E-10	9.25E-12	2.07E-10	4.16E-11	6.88E-11	2.28E-12	1.13E-10
859	743675.41	4111602.78	4.85E-10	8.84E-10	4.86E-11	1.42E-09	7.53E-11	1.45E-10	7.28E-12	2.28E-10	7.32E-11	1.25E-10	9.25E-12	2.07E-10	4.16E-11	6.88E-11	2.28E-12	1.13E-10
860	743661.88	4111623.08	4.83E-10	8.80E-10	4.83E-11	1.41E-09	7.49E-11	1.44E-10	7.25E-12	2.27E-10	7.29E-11	1.24E-10	9.21E-12	2.06E-10	4.14E-11	6.85E-11	2.27E-12	1.12E-10

861	743648.34	4111643.37	4.79E-10	8.72E-10	4.79E-11	1.40E-09	7.42E-11	1.43E-10	7.18E-12	2.24E-10	7.22E-11	1.23E-10	9.12E-12	2.04E-10	4.10E-11	6.79E-11	2.25E-12	1.11E-10
862	743634.81	4111663.67	4.71E-10	8.59E-10	4.72E-11	1.38E-09	7.31E-11	1.41E-10	7.08E-12	2.21E-10	7.11E-11	1.21E-10	8.98E-12	2.01E-10	4.04E-11	6.69E-11	2.22E-12	1.09E-10
863	743621.28	4111683.96	4.62E-10	8.42E-10	4.62E-11	1.35E-09	7.16E-11	1.38E-10	6.93E-12	2.17E-10	6.97E-11	1.19E-10	8.80E-12	1.97E-10	3.96E-11	6.55E-11	2.17E-12	1.07E-10
864	743607.74	4111704.25	4.50E-10	8.20E-10	4.50E-11	1.32E-09	6.98E-11	1.34E-10	6.76E-12	2.11E-10	6.79E-11	1.16E-10	8.58E-12	1.92E-10	3.86E-11	6.38E-11	2.12E-12	1.05E-10
865	743594.21	4111724.55	4.36E-10	7.95E-10	4.37E-11	1.28E-09	6.77E-11	1.30E-10	6.55E-12	2.05E-10	6.58E-11	1.12E-10	8.32E-12	1.86E-10	3.74E-11	6.19E-11	2.05E-12	1.01E-10
866	743580.68	4111744.84	4.21E-10	7.66E-10	4.21E-11	1.23E-09	6.52E-11	1.26E-10	6.31E-12	1.97E-10	6.34E-11	1.08E-10	8.01E-12	1.80E-10	3.60E-11	5.96E-11	1.98E-12	9.76E-11
867	743567.15	4111765.14	4.04E-10	7.35E-10	4.04E-11	1.18E-09	6.26E-11	1.21E-10	6.06E-12	1.89E-10	6.09E-11	1.04E-10	7.69E-12	1.72E-10	3.46E-11	5.72E-11	1.90E-12	9.37E-11
868	743553.61	4111785.43	3.86E-10	7.03E-10	3.86E-11	1.13E-09	5.98E-11	1.15E-10	5.79E-12	1.81E-10	5.82E-11	9.92E-11	7.35E-12	1.65E-10	3.31E-11	5.47E-11	1.81E-12	8.96E-11
869	743540.08	4111805.73	3.68E-10	6.70E-10	3.68E-11	1.07E-09	5.70E-11	1.10E-10	5.52E-12	1.72E-10	5.55E-11	9.45E-11	7.01E-12	1.57E-10	3.15E-11	5.21E-11	1.73E-12	8.54E-11
870	743526.55	4111826.02	3.50E-10	6.38E-10	3.50E-11	1.02E-09	5.43E-11	1.05E-10	5.25E-12	1.64E-10	5.28E-11	9.00E-11	6.67E-12	1.49E-10	3.00E-11	4.96E-11	1.64E-12	8.13E-11
871	743513.01	4111846.32	3.33E-10	6.07E-10	3.33E-11	9.73E-10	5.17E-11	9.95E-11	5.00E-12	1.56E-10	5.02E-11	8.56E-11	6.35E-12	1.42E-10	2.85E-11	4.72E-11	1.57E-12	7.73E-11
872	743499.48	4111866.61	3.17E-10	5.78E-10	3.17E-11	9.27E-10	4.92E-11	9.48E-11	4.76E-12	1.49E-10	4.78E-11	8.16E-11	6.05E-12	1.35E-10	2.72E-11	4.50E-11	1.49E-12	7.37E-11
873	743485.95	4111886.91	3.03E-10	5.53E-10	3.03E-11	8.86E-10	4.70E-11	9.06E-11	4.55E-12	1.42E-10	4.57E-11	7.79E-11	5.78E-12	1.29E-10	2.60E-11	4.30E-11	1.42E-12	7.04E-11
874	744105.8	4108723.09	1.30E-09	2.38E-09	1.30E-10	3.81E-09	2.02E-10	3.90E-10	1.96E-11	6.11E-10	1.97E-10	3.35E-10	2.48E-11	5.57E-10	1.12E-10	1.85E-10	6.13E-12	3.03E-10
875	744092.25	4108702.73	1.30E-09	2.38E-09	1.31E-10	3.81E-09	2.02E-10	3.90E-10	1.96E-11	6.12E-10	1.97E-10	3.35E-10	2.49E-11	5.57E-10	1.12E-10	1.85E-10	6.13E-12	3.03E-10
876	744078.7	4108682.37	1.30E-09	2.38E-09	1.30E-10	3.81E-09	2.02E-10	3.90E-10	1.96E-11	6.11E-10	1.97E-10	3.35E-10	2.49E-11	5.57E-10	1.12E-10	1.85E-10	6.13E-12	3.03E-10
877	744065.15	4108662.01	1.30E-09	2.37E-09	1.30E-10	3.81E-09	2.02E-10	3.89E-10	1.95E-11	6.11E-10	1.96E-10	3.35E-10	2.48E-11	5.56E-10	1.12E-10	1.85E-10	6.12E-12	3.02E-10
878	744051.6	4108641.65	1.30E-09	2.37E-09	1.30E-10	3.80E-09	2.01E-10	3.88E-10	1.95E-11	6.09E-10	1.96E-10	3.34E-10	2.48E-11	5.54E-10	1.11E-10	1.84E-10	6.10E-12	3.02E-10
879	744038.05	4108621.29	1.29E-09	2.36E-09	1.29E-10	3.78E-09	2.01E-10	3.86E-10	1.94E-11	6.06E-10	1.95E-10	3.32E-10	2.46E-11	5.52E-10	1.11E-10	1.83E-10	6.08E-12	3.00E-10
880	744024.51	4108600.93	1.29E-09	2.34E-09	1.29E-10	3.76E-09	1.99E-10	3.84E-10	1.93E-11	6.03E-10	1.94E-10	3.30E-10	2.45E-11	5.49E-10	1.10E-10	1.82E-10	6.04E-12	2.98E-10
881	744010.96	4108580.57	1.28E-09	2.32E-09	1.28E-10	3.73E-09	1.98E-10	3.81E-10	1.91E-11	5.98E-10	1.92E-10	3.28E-10	2.43E-11	5.44E-10	1.09E-10	1.81E-10	5.99E-12	2.96E-10
882	743997.41	4108560.2	1.26E-09	2.30E-09	1.26E-10	3.69E-09	1.96E-10	3.77E-10	1.89E-11	5.92E-10	1.90E-10	3.24E-10	2.41E-11	5.39E-10	1.08E-10	1.79E-10	5.93E-12	2.93E-10
883	744443.52	4108525.3	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.10E-10	1.56E-11	4.87E-10	1.56E-10	2.67E-10	1.98E-11	4.43E-10	8.89E-11	1.47E-10	4.88E-12	2.41E-10
884	744448.23	4108549.09	1.04E-09	1.90E-09	1.04E-10	3.05E-09	1.62E-10	3.11E-10	1.56E-11	4.89E-10	1.57E-10	2.68E-10	1.99E-11	4.45E-10	8.93E-11	1.48E-10	4.90E-12	2.42E-10
885	744452.94	4108572.89	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.12E-10	1.57E-11	4.90E-10	1.58E-10	2.69E-10	1.99E-11	4.47E-10	8.96E-11	1.48E-10	4.92E-12	2.43E-10
886	744457.65	4108596.68	1.05E-09	1.91E-09	1.05E-10	3.07E-09	1.63E-10	3.13E-10	1.57E-11	4.92E-10	1.58E-10	2.70E-10	2.00E-11	4.48E-10	8.99E-11	1.49E-10	4.93E-12	2.44E-10
887	744462.36	4108620.47	1.05E-09	1.92E-09	1.05E-10	3.07E-09	1.63E-10	3.14E-10	1.58E-11	4.93E-10	1.59E-10	2.70E-10	2.00E-11	4.49E-10	9.01E-11	1.49E-10	4.94E-12	2.44E-10
888	744467.07	4108644.27	1.05E-09	1.92E-09	1.05E-10	3.08E-09	1.63E-10	3.14E-10	1.58E-11	4.93E-10	1.59E-10	2.71E-10	2.01E-11	4.49E-10	9.02E-11	1.49E-10	4.95E-12	2.44E-10
889	744471.77	4108668.06	1.05E-09	1.92E-09	1.05E-10	3.07E-09	1.63E-10	3.14E-10	1.58E-11	4.93E-10	1.59E-10	2.70E-10	2.00E-11	4.49E-10	9.01E-11	1.49E-10	4.94E-12	2.44E-10
890	744476.48	4108691.86	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.63E-10	3.13E-10	1.57E-11	4.92E-10	1.58E-10	2.70E-10	2.00E-11	4.48E-10	8.98E-11	1.49E-10	4.93E-12	2.43E-10
891	744481.19	4108715.65	1.04E-09	1.90E-09	1.04E-10	3.05E-09	1.62E-10	3.11E-10	1.56E-11	4.89E-10	1.57E-10	2.68E-10	1.99E-11	4.45E-10	8.93E-11	1.48E-10	4.90E-12	2.42E-10
892	744485.9	4108739.44	1.03E-09	1.88E-09	1.03E-10	3.02E-09	1.60E-10	3.09E-10	1.55E-11	4.85E-10	1.56E-10	2.66E-10	1.97E-11	4.41E-10	8.86E-11	1.47E-10	4.86E-12	2.40E-10
893	744490.61	4108763.24	1.02E-09	1.86E-09	1.02E-10	2.99E-09	1.59E-10	3.05E-10	1.53E-11	4.79E-10	1.54E-10	2.63E-10	1.95E-11	4.37E-10	8.76E-11	1.45E-10	4.81E-12	2.37E-10
894	744495.32	4108787.03	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.56E-10	3.01E-10	1.51E-11	4.73E-10	1.52E-10	2.59E-10	1.92E-11	4.31E-10	8.64E-11	1.43E-10	4.74E-12	2.34E-10
895	744500.03	4108810.83	9.92E-10	1.81E-09	9.92E-11	2.90E-09	1.54E-10	2.96E-10	1.49E-11	4.65E-10	1.50E-10	2.55E-10	1.89E-11	4.23E-10	8.50E-11	1.41E-10	4.66E-12	2.30E-10
896	744504.74	4108834.62	9.73E-10	1.77E-09	9.73E-11	2.84E-09	1.51E-10	2.91E-10	1.46E-11	4.56E-10	1.47E-10	2.50E-10	1.85E-11	4.15E-10	8.34E-11	1.38E-10	4.57E-12	2.26E-10
897	744509.45	4108858.42	9.53E-10	1.74E-09	9.53E-11	2.78E-09	1.48E-10	2.85E-10	1.43E-11	4.47E-10	1.44E-10	2.45E-10	1.82E-11	4.07E-10	8.16E-11	1.35E-10	4.48E-12	2.21E-10
898	744514.16	4108882.21	9.31E-10	1.70E-09	9.32E-11	2.72E-09	1.44E-10	2.78E-10	1.40E-11	4.37E-10	1.40E-10	2.39E-10	1.77E-11	3.98E-10	7.98E-11	1.32E-10	4.38E-12	2.16E-10
899	744518.87	4108906	9.09E-10	1.66E-09	9.10E-11	2.66E-09	1.41E-10	2.72E-10	1.36E-11	4.26E-10	1.37E-10	2.34E-10	1.73E-11	3.88E-10	7.79E-11	1.29E-10	4.27E-12	2.11E-10
900	744523.58	4108929.8	8.87E-10	1.62E-09	8.88E-11	2.59E-09	1.38E-10	2.65E-10	1.33E-11	4.16E-10	1.34E-10	2.28E-10	1.69E-11	3.79E-10	7.60E-11	1.26E-10	4.17E-12	2.06E-10
901	744528.29	4108953.59	8.65E-10	1.58E-09	8.66E-11	2.53E-09	1.34E-10	2.58E-10	1.30E-11	4.06E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.41E-11	1.23E-10	4.07E-12	2.01E-10
902	744533	4108977.39	8.43E-10	1.54E-09	8.43E-11	2.46E-09	1.31E-10	2.52E-10	1.27E-11	3.95E-10	1.27E-10	2.17E-10	1.61E-11	3.60E-10	7.22E-11	1.20E-10	3.96E-12	1.96E-10
903	744537.7	4109001.18	8.21E-10	1.50E-09	8.22E-11	2.40E-09	1.27E-10	2.45E-10	1.23E-11	3.85E-10	1.24E-10	2.11E-10	1.56E-11	3.51E-10	7.04E-11	1.16E-10	3.86E-12	1.91E-10
904	744542.41	4109024.98	8.00E-10	1.46E-09	8.00E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.21E-10	2.06E-10	1.52E-11	3.41E-10	6.85E-11	1.13E-10	3.76E-12	1.86E-10
905	744547.12	4109048.77	7.79E-10	1.42E-09	7.79E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.65E-10	1.17E-10	2.00E-10	1.48E-11	3.33E-10	6.68E-11	1.10E-10	3.66E-12	1.81E-10
906	744551.83	4109072.56	7.59E-10	1.38E-09	7.60E-11	2.22E-09	1.18E-10	2.27E-10	1.14E-11	3.56E-10	1.15E-10	1.95E-10	1.45E-11	3.24E-10	6.51E-11	1.08E-10	3.57E-12	1.76E-10
907	744556.54	4109096.36	7.41E-10	1.35E-09	7.41E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.12E-10	1.90E-10	1.41E-11	3.16E-10	6.35E-11	1.05E-10	3.48E-12	1.72E-10
908	744561.25	4109120.15	7.23E-10	1.32E-09	7.24E-11	2.11E-09	1.12E-10	2.16E-10	1.09E-11	3.39E-10	1.09E-10	1.86E-10	1.38E-11	3.09E-10	6.20E-11	1.03E-10	3.40E-12	1.68E-10
909	744565.96	4109143.95	7.08E-10	1.29E-09	7.09E-11	2.07E-09	1.10E-10	2.12E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.02E-10	6.07E-11	1.00E-10	3.33E-12	1.64E-10
910	744570.67	4109167.74	6.95E-10	1.27E-09	6.95E-11	2.03E-09	1.08E-10	2.08E-10	1.04E-11	3.26E-10	1.05E-10	1.79E-10	1.32E-11	2.97E-10	5.96E-11	9.85E-11	3.27E-12	1.61E-10
911	744575.38	4109191.54	6.85E-10	1.25E-09	6.85E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.21E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.87E-11	9.71E-11	3.22E-12	1.59E-10
912	744580.09	4109215.33	6.77E-10	1.23E-09	6.77E-11	1.98E-09	1.05E-10	2.02E-10	1.02E-11	3.17E-10	1.02E-10	1.74E-10	1.29E-11	2.89E-10	5.80E-11	9.60E-11	3.18E-12	1.57E-10
913	744584.8	4109239.12	6.72E-10	1.22E-09	6.72E-11	1.96E-09	1.04E-10	2.01E-10	1.01E-11	3.15E-10	1.01E-10	1.73E-10	1.28E-11	2.87E-10	5.76E-11	9.52E-11	3.16E-12	1.56E-10
914	744589.51	4109262.92	6.69E-10	1.22E-09	6.70E-11	1.96E-09	1.04E-10	2.00E-10	1.00E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.74E-11	9.49E-11	3.15E-12	1.55E-10
915	744594.22	4109286.71	6.70E-10	1.22E-09	6.70E-11	1.96E-09	1.04E-10	2.00E-10	1.01E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.74E-11	9.50E-11	3.15E-12	1.56E-10
916	744598.92	4109310.51	6.73E-10	1.23E-09	6.73E-11	1.97E-09	1.04E-10	2.01E-10	1.01E-11	3.15E-10	1.01E-10	1.73E-10	1.28E-11	2.87E-10	5.77E-11	9.54E-11	3.16E-12	1.56E-10
917	744603.63	4109334.3	6.77E-10	1.23E-09	6.78E-11	1.98E-09	1.05E-10	2.02E-10	1.02E-11	3.18E-10	1.02E-10	1.74E-10	1.29E-11	2.89E-10	5.81E-11	9.61E-11	3.18E-12	1.57E-10
918	744608.34	4109358.1	6.83E-10	1.24E-09	6.83E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.20E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.85E-11	9.69E-11	3.21E-12	1.59E-10
919	744613.05	4109381.89	6.89E-10	1.26E-09	6.90E-11	2.01E-09	1.07E-10	2.06E-10	1.03E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.91E-11	9.77E-11	3.24E-12	1.60E-10
920	744617.76	4109405.68	6.96E-10	1.27E-09	6.96E-11	2.03E-09	1.08E-10	2.08E-10	1.04E-11	3.26E-10	1.05E-10	1.79E-10	1.33E-11	2.97E-10	5.96E-11	9.87E-11	3.27E-12	1.62E-10
921	744622.47	4109429.48	7.01E-10	1.28E-09	7.01E-11	2.05E-09	1.09E-10	2.09E-10	1.05E-11	3.29E-10	1.06E-10	1.80E-10	1.34E-11	2.99E-10	6.01E-11	9.94E-11	3.29E-12	1.63E-10
922	744627.18	4109453.27	7.05E-10	1.28E-09	7.05E-11	2.06E-09	1.09E-10	2.11E-10	1.06E-11	3.30E-10	1.06E-10	1.81E-10	1.34E-11	3.01E-10	6.04E-11	9.99E-11	3.31E-12	1.64E-10
923	744631.89	4109477.07	7.07E-10	1.29E-09	7.07E-11	2.07E-09	1.10E-10	2.11E-10	1.06E-11	3.31E-10	1.07E-10	1.82E-10	1.35E-11	3.02E-10	6.06E-11	1.00E-10	3.32E-12	1.64E-10
924	744636.6	4109500.86	7.07E-10	1.29E-09	7.07E-11	2.06E-09	1.10E-10	2.11E-10	1.06E-11	3.31E-10	1.07E-10	1.82E-10	1.35E-11	3.02E-10	6.05E-11	1.00E-10	3.32E-12	1.64E-10
925	744641.31	4109524.65	7.04E-10	1.28E-09	7.04E-11	2.06E-09	1.09E-10	2.10E-10	1.06E-11	3.30E-10	1.06E-10	1.81E-10	1.34E-11	3.01E-10	6.03E-11	9.98E-11	3.31E-12	1.63E-10
926	744646.02	4109548.45	6.99E-10	1.27E-09	6.99E-11	2.04E-09	1.08E-10	2.09E-10	1.05E-11	3.28E-10	1.05E-10	1.80E-10	1.33E-11	2.98E-10	5.99E-11	9.91E-11	3.29E-12	1.62E-10
927	744650.73	4109572.24	6.92E-10	1.26E-09	6.92E-11	2.02E-09	1.07E-10	2.07E-10	1.04E-11	3.24E-10	1.04E-10	1.78E-10	1.32E-11	2.95E-10	5.93E-11	9.81E-11	3.25E-12	1.61E-10
928	744655.44	4109596.04	6.83E-10	1.24E-09	6.83E-11	2.00E-09	1.06E-10	2.04E-10	1.02E-11	3.20E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.85E-11	9.68E-11	3.21E-12	1.59E-10
929	744660.14	4109619.83	6.72E-10	1.23E-09	6.73E-11	1.97E-09	1.04E-10	2.01E-10	1.01E-11	3.15E-10	1.01E-10	1.73E-10	1.28E-11	2.87E-10	5.76E-11	9.53E-11	3.16E-12	1.56E-10
930	744664.85	4109643.63	6.61E-10	1.20E-09	6.61E-11	1.93E-09	1.02E-10	1.97E-10	9.92E-12	3.10E-10	9.96E-11	1.70E-10	1.26E-11	2.82E-10	5.66E-11	9.37E-11	3.10E-12	1.53E-10
931	744669.56	4109667.42	6.48E-10	1.18E-09	6.48E-11	1.89E-09	1.00E-10	1.94E-10	9.73E-12	3.04E-10	9.77E-11	1.67E-10	1.23E-11	2.77E-10	5.55E-11	9.19E-11	3.05E-12	1.50E-10
932	744674.27	4109691.21	6.34E-10	1.16E-09	6.35E-11	1.85E-09	9.84E-11	1.90E-10	9.52E-12	2.97E-10	9.57E-11	1.63E-10	1.21E-11	2.71E-10	5.44E-11	9.00E-11	2.98E-12	1.47E-10
933	744678.98	4109715.01	6.21E-10	1.13E-09	6.21E-11	1.81E-09	9.62E-11	1.85E-10	9.31E-12	2.91E-10	9.36E-11	1.60E-10	1.18E-11	2.65E-10	5.32E-11	8.80E-11	2.92E-12	1.44E-10
934	744683.69	4109738.8	6.07E-10	1.11E-09	6.07E-11	1.77E-09	9.41E-11	1.81E-10	9.10E-12	2.84E-10	9.15E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.60E-11	2.85E-12	1.41E-10
935	744688.4	4109762.6	5.93E-10	1.08E-09	5.93E-11	1.73E-09	9.19E-11	1.77E-10	8.90E-12	2.78E-10	8.94E-11	1.52E-10	1.13E-11	2.53E-10	5.08E-11	8.40E-11	2.79E-12	1.38E-10
936	744693.11	4109786.39	5.79E-10	1.06E-09	5.80E-11	1.69E-09	8.98E-11	1.73E-10	8.70E-12	2.72E-10	8.74E-11	1.49E-10	1.10E-11	2.47E-10	4.96E-11	8.21E-11	2.72E-12	1.35E-10
937	744697.82	4109810.19	5.67E-10	1.03E-09	5.67E-11	1.66E-09	8.79E-11	1.69E-10	8.51E-12	2.66E-10	8.55E-11	1.46E-10	1.08E-11	2.42E-10	4.86E-11	8.04E-11	2.66E-12	1.32E-10
938	744702.53	4109833.98	5.52E-10	1.01E-09	5.53E-11	1.61E-09	8.56E-11	1.65E-10	8.29E-12	2.59E-10	8.33E-11	1.42E-10	1.05E-11	2.36E-10	4.73E-11	7.83E-11	2.60E-12	1.28E-10
939	744707.24	4109857.77	5.44E-10	9.91E-10	5.44E-11	1.59E-09	8.43E-11	1.62E-10	8.16E-12	2.55E-10	8.20E-11	1.40E-10	1.04E-11	2.32E-10	4.66E-11	7.71E-11	2.56E-12	1.26E-10
940	744711.95	4109881.57	5.33E-10	9.72E-10	5.34E-11	1.56E-09	8.27E-11	1.59E-10	8.00E-12	2.50E-10	8.04E-11	1.37E-10	1.02E-11	2.28E-10	4.57E-11	7.56E-11	2.51E-12	1.24E-10
941	744716.66	4109905.36	5.23E-10	9.54E-10	5.24E-11	1.53E-09	8.12E-11	1.56E-10	7.86E-12	2.45E-10	7.89E-11	1.35E-10	9.97E-12	2.23E-10	4.49E-11	7.42E-11	2.46E-12	1.22E-10
942	744721.37	4109929.16	5.14E-10	9.37E-10	5.14E-11	1.50E-09	7.97E-11	1.54E-10	7.72E-12	2.41E-10	7.75E-11	1.32E-10	9.80E-12	2.19E-10	4.40E-11	7.29E-11	2.42E-12	1.19E-10
943	744726.07	4109952.95	5.05E-10	9.21E-10	5.06E-11	1.48E-09	7.84E-11	1.51E-10	7.59E-12	2.37E-10	7.62E-11	1.30E-10	9.63E-12	2.16E-10	4.33E-11	7.17E-11	2.38E-12	1.17E-10
944	744730.78	4109976.75	4.97E-10	9.06E-10	4.97E-11	1.45E-09	7.71E-11	1.49E-10	7.46E-12	2.33E-10	7.50E-11	1.28E-10	9.47E-12	2.12E-10	4.26E-11	7.05E-11	2.34E-12	1.15E-10
945	744735.49	4110000.54	4.89E-10	8.91E-10	4.89E-11	1.43E-09	7.59E-11	1.46E-10	7.34E-12	2.29E-10	7.38E-11	1.26E-10	9.32E-12	2.09E-10	4.19E-11	6.94E-11	2.30E-12	1.14E-10
946	744740.2	4110024.33	4.82E-10	8.78E-10	4.82E-11	1.41E-09	7.47E-11	1.44E-10	7.23E-12	2.26E-10	7.27E-11	1.24E-10	9.18E-12	2.06E-10	4.13E-11	6.83E-11	2.26E-12	1.12E-10
947	744744.91	4110048.13	4.75E-10	8.65E-10	4.75E-11	1.39E-09	7.37E-11	1.42E-10	7.13E-12	2.23E-10	7.16E-11	1.22E-10	9.05E-12	2.03E-10	4.07E-11	6.73E-11	2.23E-12	1.10E-10
948	744749.62	4110071.92	4.68E-10	8.54E-10	4.69E-11	1.37E-09	7.26E-11	1.40E-10	7.03E-12	2.20E-10	7.06E-11	1.20E-10	8.93E-12	2.00E-10	4.01E-11	6.64E-11	2.20E-12	1.09E-10
949	744754.33	4110095.72	4.63E-10	8.43E-10	4.63E-11	1.35E-09	7.17E-11	1.38E-10	6.94E-12	2.17E-10	6.98E-11	1.19E-10	8.81E-12	1.97E-10	3.96E-11	6.56E-11	2.17E-12	1.07E-10
950	744759.04	4110119.51	4.57E-10	8.33E-10	4.58E-11	1.34E-09	7.09E-11	1.37E-10	6.86E-12	2.14E-10	6.90E-11	1.18E-10	8.71E-12	1.95E-10	3.92E-11	6.48E-11	2.15E-12	1.06E-10
951	744763.75	4110143.3	4.52E-10	8.24E-10	4.53E-11	1.32E-09	7.02E-11	1.35E-10	6.79E-12	2.12E-10	6.82E-11	1.16E-10	8.62E-12	1.93E-10	3.88E-11	6.41E-11	2.13E-12	1.05E-10
952	744768.46	4110167.1	4.48E-10	8.16E-10	4.48E-11	1.31E-09	6.95E-11	1.34E-10	6.72E-12	2.10E-10	6.75E-11	1.15E-10	8.54E-12	1.91E-10	3.84E-11	6.35E-11	2.10E-12	1.04E-10
953	744773.17	4110190.89	4.44E-10	8.09E-10	4.44E-11	1.30E-09	6.89E-11	1.33E-10	6.66E-12	2.08E-10	6.70E-11	1.14E-10	8.46E-12	1.90E-10	3.80E-11	6.30E-11	2.09E-12	1.03E-10
954	744777.88	4110214.69	4.40E-10	8.02E-10	4.41E-11	1.29E-09	6.83E-11	1.32E-10	6.61E-12	2.06E-10	6.64E-11	1.13E-10	8.39E-12	1.88E-10	3.77E-11	6.24E-11	2.07E-12	1.02E-10
955	744782.59	4110238.48	4.37E-10	7.96E-10	4.37E-11	1.28E-09	6.77E-11	1.31E-10	6.56E-12	2.05E-10	6.59E-11	1.12E-10	8.32E-12	1.86E-10	3.74E-11	6.19E-11	2.05E-12	1.01E-10
956	744787.29	4110262.28	4.34E-10	7.90E-10	4.34E-11	1.27E-09	6.73E-11	1.30E-10	6.51E-12	2.03E-10	6.54E-11	1.12E-10	8.27E-12	1.85E-10	3.72E-11	6.15E-11	2.04E-12	1.01E-10

957	744792	4110286.07	4.31E-10	7.85E-10	4.31E-11	1.26E-09	6.68E-11	1.29E-10	6.46E-12	2.02E-10	6.49E-11	1.11E-10	8.21E-12	1.84E-10	3.69E-11	6.11E-11	2.02E-12	1.00E-10
958	744796.71	4110309.86	4.28E-10	7.79E-10	4.28E-11	1.25E-09	6.63E-11	1.28E-10	6.42E-12	2.00E-10	6.45E-11	1.10E-10	8.15E-12	1.83E-10	3.66E-11	6.06E-11	2.01E-12	9.93E-11
959	744801.42	4110333.66	4.25E-10	7.74E-10	4.25E-11	1.24E-09	6.59E-11	1.27E-10	6.37E-12	1.99E-10	6.41E-11	1.09E-10	8.09E-12	1.81E-10	3.64E-11	6.02E-11	2.00E-12	9.86E-11
960	744806.13	4110357.45	4.22E-10	7.68E-10	4.22E-11	1.23E-09	6.54E-11	1.26E-10	6.33E-12	1.98E-10	6.36E-11	1.08E-10	8.04E-12	1.80E-10	3.61E-11	5.98E-11	1.98E-12	9.79E-11
961	744810.84	4110381.25	4.19E-10	7.63E-10	4.19E-11	1.22E-09	6.50E-11	1.25E-10	6.29E-12	1.96E-10	6.32E-11	1.08E-10	7.98E-12	1.79E-10	3.59E-11	5.94E-11	1.97E-12	9.72E-11
962	744815.55	4110405.04	4.16E-10	7.58E-10	4.16E-11	1.22E-09	6.45E-11	1.24E-10	6.24E-12	1.95E-10	6.27E-11	1.07E-10	7.92E-12	1.78E-10	3.56E-11	5.90E-11	1.95E-12	9.65E-11
963	744820.26	4110428.84	4.13E-10	7.52E-10	4.13E-11	1.21E-09	6.40E-11	1.23E-10	6.20E-12	1.94E-10	6.23E-11	1.06E-10	7.87E-12	1.76E-10	3.54E-11	5.85E-11	1.94E-12	9.58E-11
964	744824.97	4110452.63	4.10E-10	7.47E-10	4.10E-11	1.20E-09	6.36E-11	1.22E-10	6.15E-12	1.92E-10	6.18E-11	1.05E-10	7.81E-12	1.75E-10	3.51E-11	5.81E-11	1.93E-12	9.52E-11
965	744829.68	4110476.42	4.07E-10	7.42E-10	4.07E-11	1.19E-09	6.31E-11	1.22E-10	6.11E-12	1.91E-10	6.14E-11	1.05E-10	7.76E-12	1.74E-10	3.49E-11	5.77E-11	1.91E-12	9.45E-11
966	744834.39	4110500.22	4.04E-10	7.37E-10	4.05E-11	1.18E-09	6.27E-11	1.21E-10	6.07E-12	1.90E-10	6.10E-11	1.04E-10	7.70E-12	1.73E-10	3.46E-11	5.73E-11	1.90E-12	9.39E-11
967	744825.64	4110544.19	4.03E-10	7.35E-10	4.04E-11	1.18E-09	6.25E-11	1.20E-10	6.05E-12	1.89E-10	6.08E-11	1.04E-10	7.69E-12	1.72E-10	3.46E-11	5.72E-11	1.90E-12	9.36E-11
968	744812.18	4110564.37	4.05E-10	7.38E-10	4.05E-11	1.18E-09	6.28E-11	1.21E-10	6.08E-12	1.90E-10	6.11E-11	1.04E-10	7.72E-12	1.73E-10	3.47E-11	5.74E-11	1.90E-12	9.40E-11
969	744798.73	4110584.55	4.07E-10	7.41E-10	4.07E-11	1.19E-09	6.31E-11	1.22E-10	6.11E-12	1.91E-10	6.14E-11	1.05E-10	7.75E-12	1.74E-10	3.49E-11	5.77E-11	1.91E-12	9.45E-11
970	744785.27	4110604.74	4.09E-10	7.46E-10	4.09E-11	1.20E-09	6.35E-11	1.22E-10	6.14E-12	1.92E-10	6.17E-11	1.05E-10	7.80E-12	1.75E-10	3.51E-11	5.80E-11	1.92E-12	9.50E-11
971	744771.81	4110624.92	4.12E-10	7.51E-10	4.12E-11	1.20E-09	6.39E-11	1.23E-10	6.18E-12	1.93E-10	6.21E-11	1.06E-10	7.85E-12	1.76E-10	3.53E-11	5.84E-11	1.94E-12	9.56E-11
972	744758.36	4110645.1	4.15E-10	7.56E-10	4.15E-11	1.21E-09	6.44E-11	1.24E-10	6.23E-12	1.95E-10	6.26E-11	1.07E-10	7.91E-12	1.77E-10	3.56E-11	5.89E-11	1.95E-12	9.64E-11
973	744744.9	4110665.28	4.19E-10	7.63E-10	4.19E-11	1.22E-09	6.49E-11	1.25E-10	6.28E-12	1.96E-10	6.31E-11	1.08E-10	7.98E-12	1.79E-10	3.59E-11	5.94E-11	1.97E-12	9.72E-11
974	744731.44	4110685.46	4.23E-10	7.70E-10	4.23E-11	1.24E-09	6.56E-11	1.26E-10	6.34E-12	1.98E-10	6.37E-11	1.09E-10	8.06E-12	1.80E-10	3.62E-11	5.99E-11	1.99E-12	9.81E-11
975	744717.99	4110705.64	4.27E-10	7.78E-10	4.27E-11	1.25E-09	6.62E-11	1.28E-10	6.41E-12	2.00E-10	6.44E-11	1.10E-10	8.14E-12	1.82E-10	3.66E-11	6.06E-11	2.01E-12	9.92E-11
976	744704.53	4110725.82	4.32E-10	7.87E-10	4.32E-11	1.26E-09	6.70E-11	1.29E-10	6.48E-12	2.03E-10	6.51E-11	1.11E-10	8.23E-12	1.84E-10	3.70E-11	6.12E-11	2.03E-12	1.00E-10
977	744691.07	4110746	4.37E-10	7.96E-10	4.37E-11	1.28E-09	6.78E-11	1.31E-10	6.56E-12	2.05E-10	6.59E-11	1.12E-10	8.33E-12	1.87E-10	3.74E-11	6.20E-11	2.05E-12	1.01E-10
978	744677.62	4110766.18	4.42E-10	8.06E-10	4.42E-11	1.29E-09	6.86E-11	1.32E-10	6.64E-12	2.07E-10	6.67E-11	1.14E-10	8.43E-12	1.89E-10	3.79E-11	6.27E-11	2.08E-12	1.03E-10
979	744664.16	4110786.36	4.47E-10	8.15E-10	4.47E-11	1.31E-09	6.93E-11	1.34E-10	6.71E-12	2.10E-10	6.74E-11	1.15E-10	8.52E-12	1.91E-10	3.83E-11	6.34E-11	2.10E-12	1.04E-10
980	744650.7	4110806.54	4.52E-10	8.24E-10	4.52E-11	1.32E-09	7.01E-11	1.35E-10	6.79E-12	2.12E-10	6.82E-11	1.16E-10	8.62E-12	1.93E-10	3.87E-11	6.41E-11	2.13E-12	1.05E-10
981	744637.25	4110826.72	4.57E-10	8.32E-10	4.57E-11	1.33E-09	7.08E-11	1.36E-10	6.85E-12	2.14E-10	6.89E-11	1.17E-10	8.70E-12	1.95E-10	3.91E-11	6.48E-11	2.15E-12	1.06E-10
982	744623.79	4110846.9	4.60E-10	8.39E-10	4.61E-11	1.35E-09	7.14E-11	1.38E-10	6.91E-12	2.16E-10	6.94E-11	1.18E-10	8.77E-12	1.97E-10	3.95E-11	6.53E-11	2.16E-12	1.07E-10
983	744610.33	4110867.08	4.63E-10	8.44E-10	4.64E-11	1.35E-09	7.19E-11	1.38E-10	6.96E-12	2.17E-10	6.99E-11	1.19E-10	8.83E-12	1.98E-10	3.97E-11	6.57E-11	2.18E-12	1.08E-10
984	744596.88	4110887.26	4.65E-10	8.48E-10	4.66E-11	1.36E-09	7.22E-11	1.39E-10	6.99E-12	2.18E-10	7.02E-11	1.20E-10	8.87E-12	1.99E-10	3.99E-11	6.60E-11	2.19E-12	1.08E-10
985	744583.42	4110907.45	4.66E-10	8.49E-10	4.66E-11	1.36E-09	7.23E-11	1.39E-10	7.00E-12	2.19E-10	7.03E-11	1.20E-10	8.88E-12	1.99E-10	3.99E-11	6.61E-11	2.19E-12	1.08E-10
986	744569.96	4110927.63	4.66E-10	8.49E-10	4.66E-11	1.36E-09	7.22E-11	1.39E-10	6.99E-12	2.18E-10	7.02E-11	1.20E-10	8.88E-12	1.99E-10	3.99E-11	6.60E-11	2.19E-12	1.08E-10
987	744556.51	4110947.81	4.64E-10	8.46E-10	4.64E-11	1.36E-09	7.20E-11	1.39E-10	6.96E-12	2.18E-10	7.00E-11	1.19E-10	8.84E-12	1.98E-10	3.98E-11	6.58E-11	2.18E-12	1.08E-10
988	744543.05	4110967.99	4.61E-10	8.40E-10	4.61E-11	1.35E-09	7.15E-11	1.38E-10	6.92E-12	2.16E-10	6.95E-11	1.19E-10	8.78E-12	1.97E-10	3.95E-11	6.54E-11	2.17E-12	1.07E-10
989	744529.59	4110988.17	4.57E-10	8.32E-10	4.57E-11	1.33E-09	7.08E-11	1.36E-10	6.85E-12	2.14E-10	6.88E-11	1.17E-10	8.70E-12	1.95E-10	3.91E-11	6.47E-11	2.15E-12	1.06E-10
990	744516.13	4111008.35	4.51E-10	8.22E-10	4.51E-11	1.32E-09	7.00E-11	1.35E-10	6.77E-12	2.11E-10	6.80E-11	1.16E-10	8.60E-12	1.93E-10	3.87E-11	6.40E-11	2.12E-12	1.05E-10
991	744502.68	4111028.53	4.44E-10	8.10E-10	4.45E-11	1.30E-09	6.89E-11	1.33E-10	6.67E-12	2.08E-10	6.70E-11	1.14E-10	8.47E-12	1.90E-10	3.81E-11	6.30E-11	2.09E-12	1.03E-10
992	744489.22	4111048.71	4.37E-10	7.96E-10	4.37E-11	1.28E-09	6.78E-11	1.31E-10	6.56E-12	2.05E-10	6.59E-11	1.12E-10	8.33E-12	1.87E-10	3.74E-11	6.20E-11	2.05E-12	1.01E-10
993	744475.76	4111068.89	4.29E-10	7.82E-10	4.29E-11	1.25E-09	6.65E-11	1.28E-10	6.44E-12	2.01E-10	6.47E-11	1.10E-10	8.17E-12	1.83E-10	3.68E-11	6.08E-11	2.02E-12	9.96E-11
994	744462.31	4111089.07	4.20E-10	7.66E-10	4.21E-11	1.23E-09	6.52E-11	1.26E-10	6.31E-12	1.97E-10	6.34E-11	1.08E-10	8.01E-12	1.79E-10	3.60E-11	5.96E-11	1.98E-12	9.76E-11
995	744448.85	4111109.25	4.12E-10	7.50E-10	4.12E-11	1.20E-09	6.39E-11	1.23E-10	6.18E-12	1.93E-10	6.21E-11	1.06E-10	7.85E-12	1.76E-10	3.53E-11	5.84E-11	1.94E-12	9.56E-11
996	744435.39	4111129.43	4.03E-10	7.34E-10	4.03E-11	1.18E-09	6.25E-11	1.20E-10	6.05E-12	1.89E-10	6.08E-11	1.04E-10	7.68E-12	1.72E-10	3.45E-11	5.71E-11	1.89E-12	9.36E-11
997	744421.94	4111149.61	3.95E-10	7.19E-10	3.95E-11	1.15E-09	6.12E-11	1.18E-10	5.92E-12	1.85E-10	5.95E-11	1.01E-10	7.52E-12	1.68E-10	3.38E-11	5.60E-11	1.85E-12	9.16E-11
998	744408.48	4111169.79	3.87E-10	7.05E-10	3.87E-11	1.13E-09	6.00E-11	1.16E-10	5.80E-12	1.81E-10	5.83E-11	9.94E-11	7.37E-12	1.65E-10	3.31E-11	5.48E-11	1.82E-12	8.98E-11
999	744395.02	4111189.97	3.79E-10	6.91E-10	3.79E-11	1.11E-09	5.88E-11	1.13E-10	5.69E-12	1.78E-10	5.72E-11	9.75E-11	7.23E-12	1.62E-10	3.25E-11	5.38E-11	1.78E-12	8.80E-11
1000	744381.57	4111210.16	3.72E-10	6.79E-10	3.73E-11	1.09E-09	5.77E-11	1.11E-10	5.59E-12	1.75E-10	5.62E-11	9.57E-11	7.10E-12	1.59E-10	3.19E-11	5.28E-11	1.75E-12	8.65E-11
1001	744368.11	4111230.34	3.66E-10	6.68E-10	3.67E-11	1.07E-09	5.68E-11	1.09E-10	5.50E-12	1.72E-10	5.52E-11	9.42E-11	6.98E-12	1.56E-10	3.14E-11	5.19E-11	1.72E-12	8.51E-11
1002	744354.65	4111250.52	3.61E-10	6.58E-10	3.61E-11	1.06E-09	5.60E-11	1.08E-10	5.42E-12	1.69E-10	5.45E-11	9.28E-11	6.88E-12	1.54E-10	3.09E-11	5.12E-11	1.70E-12	8.39E-11
1003	744341.2	4111270.7	3.57E-10	6.50E-10	3.57E-11	1.04E-09	5.53E-11	1.07E-10	5.36E-12	1.67E-10	5.38E-11	9.17E-11	6.80E-12	1.52E-10	3.06E-11	5.06E-11	1.68E-12	8.29E-11
1004	744327.74	4111290.88	3.53E-10	6.44E-10	3.53E-11	1.03E-09	5.48E-11	1.06E-10	5.30E-12	1.66E-10	5.33E-11	9.08E-11	6.73E-12	1.51E-10	3.03E-11	5.01E-11	1.66E-12	8.20E-11
1005	744314.28	4111311.06	3.50E-10	6.38E-10	3.51E-11	1.02E-09	5.43E-11	1.05E-10	5.26E-12	1.64E-10	5.28E-11	9.01E-11	6.68E-12	1.50E-10	3.00E-11	4.97E-11	1.65E-12	8.13E-11
1006	744300.83	4111331.24	3.48E-10	6.35E-10	3.48E-11	1.02E-09	5.40E-11	1.04E-10	5.23E-12	1.63E-10	5.25E-11	8.95E-11	6.64E-12	1.49E-10	2.98E-11	4.94E-11	1.64E-12	8.08E-11
1007	744287.37	4111351.42	3.47E-10	6.32E-10	3.47E-11	1.01E-09	5.38E-11	1.04E-10	5.20E-12	1.63E-10	5.23E-11	8.91E-11	6.61E-12	1.48E-10	2.97E-11	4.92E-11	1.63E-12	8.05E-11
1008	744273.91	4111371.6	3.46E-10	6.30E-10	3.46E-11	1.01E-09	5.36E-11	1.03E-10	5.19E-12	1.62E-10	5.21E-11	8.89E-11	6.59E-12	1.48E-10	2.96E-11	4.90E-11	1.62E-12	8.02E-11
1009	744260.46	4111391.78	3.45E-10	6.28E-10	3.45E-11	1.01E-09	5.35E-11	1.03E-10	5.17E-12	1.62E-10	5.20E-11	8.86E-11	6.57E-12	1.47E-10	2.95E-11	4.89E-11	1.62E-12	8.00E-11
1010	744247	4111411.96	3.44E-10	6.27E-10	3.44E-11	1.01E-09	5.34E-11	1.03E-10	5.16E-12	1.61E-10	5.19E-11	8.84E-11	6.56E-12	1.47E-10	2.95E-11	4.88E-11	1.62E-12	7.99E-11
1011	744233.54	4111432.14	3.44E-10	6.26E-10	3.44E-11	1.00E-09	5.33E-11	1.03E-10	5.16E-12	1.61E-10	5.18E-11	8.84E-11	6.55E-12	1.47E-10	2.95E-11	4.87E-11	1.62E-12	7.98E-11
1012	744220.09	4111452.32	3.43E-10	6.26E-10	3.44E-11	1.00E-09	5.33E-11	1.03E-10	5.16E-12	1.61E-10	5.18E-11	8.83E-11	6.55E-12	1.47E-10	2.94E-11	4.87E-11	1.61E-12	7.97E-11
1013	744206.63	4111472.5	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.03E-10	5.15E-12	1.61E-10	5.18E-11	8.82E-11	6.54E-12	1.47E-10	2.94E-11	4.87E-11	1.61E-12	7.97E-11
1014	744193.17	4111492.68	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.02E-10	5.15E-12	1.61E-10	5.17E-11	8.81E-11	6.53E-12	1.46E-10	2.94E-11	4.86E-11	1.61E-12	7.96E-11
1015	744179.72	4111512.87	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.02E-10	5.14E-12	1.61E-10	5.17E-11	8.81E-11	6.53E-12	1.46E-10	2.94E-11	4.86E-11	1.61E-12	7.96E-11
1016	744166.26	4111533.05	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.02E-10	5.15E-12	1.61E-10	5.17E-11	8.81E-11	6.53E-12	1.46E-10	2.94E-11	4.86E-11	1.61E-12	7.96E-11
1017	744152.8	4111553.23	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.03E-10	5.15E-12	1.61E-10	5.18E-11	8.82E-11	6.54E-12	1.47E-10	2.94E-11	4.87E-11	1.61E-12	7.97E-11
1018	744139.35	4111573.41	3.44E-10	6.27E-10	3.44E-11	1.01E-09	5.34E-11	1.03E-10	5.16E-12	1.61E-10	5.19E-11	8.84E-11	6.56E-12	1.47E-10	2.95E-11	4.88E-11	1.62E-12	7.99E-11
1019	744125.89	4111593.59	3.45E-10	6.30E-10	3.46E-11	1.01E-09	5.36E-11	1.03E-10	5.19E-12	1.62E-10	5.21E-11	8.88E-11	6.58E-12	1.47E-10	2.96E-11	4.90E-11	1.62E-12	8.02E-11
1020	744112.43	4111613.77	3.48E-10	6.33E-10	3.48E-11	1.02E-09	5.39E-11	1.04E-10	5.22E-12	1.63E-10	5.24E-11	8.93E-11	6.62E-12	1.48E-10	2.98E-11	4.93E-11	1.63E-12	8.07E-11
1021	744098.98	4111633.95	3.50E-10	6.38E-10	3.50E-11	1.02E-09	5.43E-11	1.05E-10	5.26E-12	1.64E-10	5.28E-11	9.00E-11	6.67E-12	1.50E-10	3.00E-11	4.97E-11	1.65E-12	8.13E-11
1022	744085.52	4111654.13	3.54E-10	6.44E-10	3.54E-11	1.03E-09	5.48E-11	1.06E-10	5.31E-12	1.66E-10	5.33E-11	9.09E-11	6.74E-12	1.51E-10	3.03E-11	5.01E-11	1.66E-12	8.21E-11
1023	744072.06	4111674.31	3.58E-10	6.53E-10	3.58E-11	1.05E-09	5.55E-11	1.07E-10	5.38E-12	1.68E-10	5.40E-11	9.21E-11	6.82E-12	1.53E-10	3.07E-11	5.08E-11	1.68E-12	8.32E-11
1024	744058.61	4111694.49	3.63E-10	6.62E-10	3.63E-11	1.06E-09	5.63E-11	1.09E-10	5.45E-12	1.70E-10	5.48E-11	9.34E-11	6.92E-12	1.55E-10	3.11E-11	5.15E-11	1.71E-12	8.43E-11
1025	744045.15	4111714.67	3.69E-10	6.72E-10	3.69E-11	1.08E-09	5.72E-11	1.10E-10	5.54E-12	1.73E-10	5.56E-11	9.48E-11	7.03E-12	1.57E-10	3.16E-11	5.23E-11	1.73E-12	8.56E-11
1026	744031.69	4111734.85	3.75E-10	6.83E-10	3.75E-11	1.10E-09	5.82E-11	1.12E-10	5.63E-12	1.76E-10	5.65E-11	9.64E-11	7.15E-12	1.60E-10	3.21E-11	5.32E-11	1.76E-12	8.71E-11
1027	744018.24	4111755.03	3.81E-10	6.95E-10	3.81E-11	1.11E-09	5.91E-11	1.14E-10	5.72E-12	1.79E-10	5.75E-11	9.80E-11	7.26E-12	1.63E-10	3.27E-11	5.40E-11	1.79E-12	8.85E-11
1028	744004.78	4111775.21	3.87E-10	7.06E-10	3.88E-11	1.13E-09	6.01E-11	1.16E-10	5.81E-12	1.82E-10	5.84E-11	9.96E-11	7.38E-12	1.65E-10	3.32E-11	5.49E-11	1.82E-12	8.99E-11
1029	743991.32	4111795.39	3.93E-10	7.16E-10	3.93E-11	1.15E-09	6.10E-11	1.17E-10	5.90E-12	1.84E-10	5.93E-11	1.01E-10	7.49E-12	1.68E-10	3.37E-11	5.57E-11	1.85E-12	9.13E-11
1030	743977.87	4111815.58	3.98E-10	7.25E-10	3.98E-11	1.16E-09	6.17E-11	1.19E-10	5.98E-12	1.87E-10	6.00E-11	1.02E-10	7.59E-12	1.70E-10	3.41E-11	5.65E-11	1.87E-12	9.24E-11
1031	743964.41	4111835.76	4.02E-10	7.33E-10	4.02E-11	1.17E-09	6.23E-11	1.20E-10	6.03E-12	1.88E-10	6.06E-11	1.03E-10	7.66E-12	1.72E-10	3.44E-11	5.70E-11	1.89E-12	9.33E-11
1032	743950.95	4111855.94	4.04E-10	7.37E-10	4.05E-11	1.18E-09	6.27E-11	1.21E-10	6.07E-12	1.90E-10	6.10E-11	1.04E-10	7.71E-12	1.73E-10	3.47E-11	5.73E-11	1.90E-12	9.39E-11
1033	743937.5	4111876.12	4.05E-10	7.39E-10	4.06E-11	1.18E-09	6.29E-11	1.21E-10	6.08E-12	1.90E-10	6.11E-11	1.04E-10	7.72E-12	1.73E-10	3.47E-11	5.75E-11	1.90E-12	9.41E-11
1034	743924.04	4111896.3	4.04E-10	7.36E-10	4.04E-11	1.18E-09	6.27E-11	1.21E-10	6.07E-12	1.89E-10	6.09E-11	1.04E-10	7.70E-12	1.73E-10	3.46E-11	5.73E-11	1.90E-12	9.38E-11
1035	743910.58	4111916.48	4.01E-10	7.31E-10	4.01E-11	1.17E-09	6.22E-11	1.20E-10	6.02E-12	1.88E-10	6.05E-11	1.03E-10	7.64E-12	1.71E-10	3.44E-11	5.69E-11	1.89E-12	9.31E-11
1036	743897.13	4111936.66	3.96E-10	7.22E-10	3.96E-11	1.16E-09	6.14E-11	1.18E-10	5.94E-12	1.86E-10	5.97E-11	1.02E-10	7.55E-12	1.69E-10	3.39E-11	5.61E-11	1.86E-12	9.19E-11
1037	743883.67	4111956.84	3.89E-10	7.08E-10	3.89E-11	1.14E-09	6.03E-11	1.16E-10	5.84E-12	1.82E-10	5.86E-11	9.99E-11	7.41E-12	1.66E-10	3.33E-11	5.51E-11	1.83E-12	9.03E-11
1038	743870.21	4111977.02	3.80E-10	6.92E-10	3.80E-11	1.11E-09	5.89E-11	1.13E-10	5.70E-12	1.78E-10	5.73E-11	9.76E-11	7.24E-12	1.62E-10	3.25E-11	5.38E-11	1.78E-12	8.82E-11
1039	743856.76	4111997.2	3.69E-10	6.72E-10	3.69E-11	1.08E-09	5.72E-11	1.10E-10	5.54E-12	1.73E-10	5.56E-11	9.48E-11	7.03E-12	1.58E-10	3.16E-11	5.23E-11	1.73E-12	8.57E-11
1040	743843.3	4112017.38	3.57E-10	6.50E-10	3.57E-11	1.04E-09	5.53E-11	1.07E-10	5.35E-12	1.67E-10	5.38E-11	9.17E-11	6.79E-12	1.52E-10	3.06E-11	5.06E-11	1.68E-12	8.28E-11
1041	743829.84	4112037.56	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.03E-10	5.15E-12	1.61E-10	5.18E-11	8.82E-11	6.54E-12	1.47E-10	2.94E-11	4.87E-11	1.61E-12	7.97E-11
1042	743816.39	4112057.74	3.29E-10	5.99E-10	3.29E-11	9.61E-10	5.10E-11	9.82E-11	4.94E-12	1.54E-10	4.96E-11	8.45E-11	6.27E-12	1.40E-10	2.82E-11	4.66E-11	1.55E-12	7.63E-11
1043	743802.93	4112077.92	3.14E-10	5.72E-10	3.14E-11	9.18E-10	4.87E-11	9.38E-11	4.71E-12	1.47E-10	4.74E-11	8.08E-11	5.99E-12	1.34E-10	2.69E-11	4.45E-11	1.48E-12	7.29E-11
1044	743789.47	4112098.1	2.99E-10	5.45E-10	2.99E-11	8.75E-10	4.64E-11	8.94E-11	4.49E-12	1.40E-10	4.51E-11	7.69E-11	5.70E-12	1.28E-10	2.56E-11	4.24E-11	1.41E-12	6.95E-11
1045	743776.01	4112118.29	2.85E-10	5.19E-10	2.85E-11	8.32E-10	4.42E-11	8.51E-11	4.27E-12	1.34E-10	4.29E-11	7.32E-11	5.43E-12	1.22E-10	2.44E-11	4.04E-11	1.34E-12	6.61E-11
1046	743762.56	4112138.47	2.71E-10	4.94E-10	2.71E-11	7.92E-10	4.20E-11	8.10E-11	4.07E-12	1.27E-10	4.09E-11	6.97E-11	5.17E-12	1.16E-10	2.32E-11	3.84E-11	1.27E-12	6.29E-11
1047	743749.1	4112158.65	2.58E-10	4.71E-10	2.58E-11	7.55E-10	4.01E-11	7.72E-11	3.88E-12	1.21E-10	3.90E-11	6.64E-11	4.92E-12	1.10E-10	2.21E-11	3.66E-11	1.21E-12	6.00E-11
1048	743735.64	4112178.83	2.47E-10	4.49E-10	2.47E-11	7.21E-10	3.83E-11	7.37E-11	3.70E-12	1.16E-10	3.72E-11	6.34E-11	4.70E-12	1.05E-10	2.11E-11	3.50E-11	1.16E-12	5.73E-11
1049	743722.19	4112199.01	2.37E-10	4.31E-10	2.37E-11	6.92E-10	3.67E-11	7.07E-11	3.55E-12	1.11E-10	3.57E-11	6.09E-11	4.51E-12	1.01E-10	2.03E-11	3.36E-11	1.11E-12	5.50E-11
1050	743708.73	4112219.19	2.21E-10	4.03E-10	2.21E-11	6.46E-10	3.43E-11	6.61E-11	3.32E-12	1.04E-10	3.34E-11	5.69E-11	4.22E-12	9.44E-11	1.90E-11	3.14E-11	1.04E-12	5.14E-11
1051	744438.81	4108501.5	1.03E-09	1.88E-09	1.03E-10	3.02E-09	1.60E-10	3.09E-10	1.55E-11	4.84E-10	1.56E-10	2.66E-10	1.97E-11	4.41E-10	8.85E-11	1.46E-10	4.85E-12	2.40E-10
1052	744425.26	4108481.14	1.03E-09	1.88E-09	1.03E-10	3.02E-09	1.60E-10	3.09E-10	1.55E-11	4.84E-10	1.56E-10	2.66E-10	1.97E-11	4.41E-10	8.85E-11	1.46E-10	4.85E-12	2.40E-10

1053	744411.71	4108460.78	1.03E-09	1.88E-09	1.03E-10	3.02E-09	1.60E-10	3.08E-10	1.55E-11	4.84E-10	1.56E-10	2.65E-10	1.97E-11	4.41E-10	8.85E-11	1.46E-10	4.85E-12	2.40E-10
1054	744398.16	4108440.42	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.84E-10	1.56E-10	2.65E-10	1.97E-11	4.40E-10	8.84E-11	1.46E-10	4.85E-12	2.40E-10
1055	744384.62	4108420.06	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
1056	744371.07	4108399.7	1.03E-09	1.87E-09	1.03E-10	3.00E-09	1.59E-10	3.07E-10	1.54E-11	4.81E-10	1.55E-10	2.64E-10	1.96E-11	4.38E-10	8.80E-11	1.46E-10	4.82E-12	2.38E-10
1057	744357.52	4108379.34	1.02E-09	1.86E-09	1.02E-10	2.99E-09	1.58E-10	3.05E-10	1.53E-11	4.79E-10	1.54E-10	2.63E-10	1.95E-11	4.36E-10	8.75E-11	1.45E-10	4.80E-12	2.37E-10
1058	744343.97	4108358.97	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.57E-10	3.03E-10	1.52E-11	4.76E-10	1.53E-10	2.61E-10	1.93E-11	4.33E-10	8.70E-11	1.44E-10	4.77E-12	2.36E-10
1059	744330.42	4108338.61	1.01E-09	1.84E-09	1.01E-10	2.94E-09	1.56E-10	3.01E-10	1.51E-11	4.72E-10	1.52E-10	2.59E-10	1.92E-11	4.30E-10	8.63E-11	1.43E-10	4.73E-12	2.34E-10
1060	744776.56	4108303.85	8.54E-10	1.56E-09	8.55E-11	2.50E-09	1.32E-10	2.55E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.32E-11	1.21E-10	4.02E-12	1.98E-10
1061	744781.3	4108327.79	8.58E-10	1.56E-09	8.58E-11	2.51E-09	1.33E-10	2.56E-10	1.29E-11	4.02E-10	1.29E-10	2.21E-10	1.63E-11	3.66E-10	7.35E-11	1.22E-10	4.03E-12	1.99E-10
1062	744786.04	4108351.73	8.61E-10	1.57E-09	8.62E-11	2.52E-09	1.34E-10	2.57E-10	1.29E-11	4.04E-10	1.30E-10	2.21E-10	1.64E-11	3.68E-10	7.38E-11	1.22E-10	4.05E-12	2.00E-10
1063	744790.77	4108375.67	8.64E-10	1.58E-09	8.65E-11	2.53E-09	1.34E-10	2.58E-10	1.30E-11	4.05E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.41E-11	1.23E-10	4.06E-12	2.01E-10
1064	744795.51	4108399.61	8.67E-10	1.58E-09	8.68E-11	2.53E-09	1.35E-10	2.59E-10	1.30E-11	4.07E-10	1.31E-10	2.23E-10	1.65E-11	3.70E-10	7.43E-11	1.23E-10	4.08E-12	2.01E-10
1065	744800.25	4108423.55	8.70E-10	1.58E-09	8.70E-11	2.54E-09	1.35E-10	2.60E-10	1.31E-11	4.08E-10	1.31E-10	2.24E-10	1.66E-11	3.71E-10	7.45E-11	1.23E-10	4.09E-12	2.02E-10
1066	744804.99	4108447.49	8.71E-10	1.59E-09	8.72E-11	2.55E-09	1.35E-10	2.60E-10	1.31E-11	4.08E-10	1.31E-10	2.24E-10	1.66E-11	3.72E-10	7.47E-11	1.24E-10	4.09E-12	2.02E-10
1067	744809.73	4108471.43	8.72E-10	1.59E-09	8.72E-11	2.55E-09	1.35E-10	2.60E-10	1.31E-11	4.09E-10	1.31E-10	2.24E-10	1.66E-11	3.72E-10	7.47E-11	1.24E-10	4.10E-12	2.02E-10
1068	744814.46	4108495.37	8.71E-10	1.59E-09	8.71E-11	2.54E-09	1.35E-10	2.60E-10	1.31E-11	4.08E-10	1.31E-10	2.24E-10	1.66E-11	3.72E-10	7.46E-11	1.23E-10	4.09E-12	2.02E-10
1069	744819.2	4108519.31	8.68E-10	1.58E-09	8.69E-11	2.54E-09	1.35E-10	2.59E-10	1.30E-11	4.07E-10	1.31E-10	2.23E-10	1.65E-11	3.71E-10	7.44E-11	1.23E-10	4.08E-12	2.02E-10
1070	744823.94	4108543.25	8.64E-10	1.57E-09	8.64E-11	2.52E-09	1.34E-10	2.58E-10	1.30E-11	4.05E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.40E-11	1.22E-10	4.06E-12	2.01E-10
1071	744828.68	4108567.19	8.57E-10	1.56E-09	8.57E-11	2.50E-09	1.33E-10	2.56E-10	1.29E-11	4.02E-10	1.29E-10	2.20E-10	1.63E-11	3.66E-10	7.34E-11	1.22E-10	4.03E-12	1.99E-10
1072	744833.42	4108591.13	8.48E-10	1.55E-09	8.49E-11	2.48E-09	1.32E-10	2.53E-10	1.27E-11	3.98E-10	1.28E-10	2.18E-10	1.62E-11	3.62E-10	7.27E-11	1.20E-10	3.99E-12	1.97E-10
1073	744838.15	4108615.06	8.38E-10	1.53E-09	8.38E-11	2.45E-09	1.30E-10	2.50E-10	1.26E-11	3.93E-10	1.26E-10	2.15E-10	1.60E-11	3.58E-10	7.18E-11	1.19E-10	3.94E-12	1.94E-10
1074	744842.89	4108639	8.25E-10	1.50E-09	8.26E-11	2.41E-09	1.28E-10	2.47E-10	1.24E-11	3.87E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.07E-11	1.17E-10	3.88E-12	1.92E-10
1075	744847.63	4108662.94	8.12E-10	1.48E-09	8.12E-11	2.37E-09	1.26E-10	2.43E-10	1.22E-11	3.81E-10	1.22E-10	2.09E-10	1.55E-11	3.47E-10	6.96E-11	1.15E-10	3.82E-12	1.88E-10
1076	744852.37	4108686.88	7.97E-10	1.45E-09	7.97E-11	2.33E-09	1.24E-10	2.38E-10	1.20E-11	3.74E-10	1.20E-10	2.05E-10	1.52E-11	3.40E-10	6.83E-11	1.13E-10	3.75E-12	1.85E-10
1077	744857.11	4108710.82	7.81E-10	1.42E-09	7.82E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.66E-10	1.18E-10	2.01E-10	1.49E-11	3.34E-10	6.70E-11	1.11E-10	3.67E-12	1.81E-10
1078	744861.84	4108734.76	7.66E-10	1.39E-09	7.66E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.59E-10	1.15E-10	1.97E-10	1.46E-11	3.27E-10	6.56E-11	1.09E-10	3.60E-12	1.78E-10
1079	744866.58	4108758.7	7.49E-10	1.37E-09	7.50E-11	2.19E-09	1.16E-10	2.24E-10	1.12E-11	3.51E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.42E-11	1.06E-10	3.52E-12	1.74E-10
1080	744871.32	4108782.64	7.33E-10	1.34E-09	7.33E-11	2.14E-09	1.14E-10	2.19E-10	1.10E-11	3.44E-10	1.11E-10	1.88E-10	1.40E-11	3.13E-10	6.28E-11	1.04E-10	3.44E-12	1.70E-10
1081	744876.06	4108806.58	7.17E-10	1.31E-09	7.17E-11	2.09E-09	1.11E-10	2.14E-10	1.08E-11	3.36E-10	1.08E-10	1.84E-10	1.37E-11	3.06E-10	6.14E-11	1.02E-10	3.37E-12	1.66E-10
1082	744880.8	4108830.52	7.00E-10	1.28E-09	7.01E-11	2.05E-09	1.09E-10	2.09E-10	1.05E-11	3.28E-10	1.06E-10	1.80E-10	1.33E-11	2.99E-10	6.00E-11	9.93E-11	3.29E-12	1.63E-10
1083	744885.53	4108854.46	6.85E-10	1.25E-09	6.85E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.21E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.87E-11	9.71E-11	3.22E-12	1.59E-10
1084	744890.27	4108878.4	6.69E-10	1.22E-09	6.69E-11	1.95E-09	1.04E-10	2.00E-10	1.00E-11	3.14E-10	1.01E-10	1.72E-10	1.27E-11	2.86E-10	5.73E-11	9.48E-11	3.14E-12	1.55E-10
1085	744895.01	4108902.34	6.53E-10	1.19E-09	6.54E-11	1.91E-09	1.01E-10	1.95E-10	9.81E-12	3.06E-10	9.85E-11	1.68E-10	1.25E-11	2.79E-10	5.60E-11	9.27E-11	3.07E-12	1.52E-10
1086	744899.75	4108926.28	6.38E-10	1.16E-09	6.39E-11	1.87E-09	9.90E-11	1.91E-10	9.58E-12	2.99E-10	9.63E-11	1.64E-10	1.22E-11	2.73E-10	5.47E-11	9.05E-11	3.00E-12	1.48E-10
1087	744904.49	4108950.22	6.24E-10	1.14E-09	6.24E-11	1.82E-09	9.67E-11	1.86E-10	9.36E-12	2.92E-10	9.41E-11	1.60E-10	1.19E-11	2.66E-10	5.35E-11	8.84E-11	2.93E-12	1.45E-10
1088	744909.22	4108974.16	6.10E-10	1.11E-09	6.10E-11	1.78E-09	9.46E-11	1.82E-10	9.16E-12	2.86E-10	9.20E-11	1.57E-10	1.16E-11	2.60E-10	5.23E-11	8.65E-11	2.87E-12	1.42E-10
1089	744913.96	4108998.1	5.97E-10	1.09E-09	5.97E-11	1.74E-09	9.26E-11	1.78E-10	8.96E-12	2.80E-10	9.00E-11	1.53E-10	1.14E-11	2.55E-10	5.12E-11	8.47E-11	2.81E-12	1.39E-10
1090	744918.7	4109022.04	5.85E-10	1.07E-09	5.86E-11	1.71E-09	9.08E-11	1.75E-10	8.78E-12	2.74E-10	8.83E-11	1.50E-10	1.12E-11	2.50E-10	5.02E-11	8.30E-11	2.75E-12	1.36E-10
1091	744923.44	4109045.98	5.75E-10	1.05E-09	5.75E-11	1.68E-09	8.91E-11	1.72E-10	8.63E-12	2.69E-10	8.67E-11	1.48E-10	1.10E-11	2.45E-10	4.93E-11	8.15E-11	2.70E-12	1.33E-10
1092	744928.18	4109069.92	5.66E-10	1.03E-09	5.66E-11	1.65E-09	8.78E-11	1.69E-10	8.49E-12	2.65E-10	8.53E-11	1.45E-10	1.08E-11	2.42E-10	4.85E-11	8.02E-11	2.66E-12	1.31E-10
1093	744932.91	4109093.86	5.59E-10	1.02E-09	5.59E-11	1.63E-09	8.67E-11	1.67E-10	8.39E-12	2.62E-10	8.43E-11	1.44E-10	1.07E-11	2.39E-10	4.79E-11	7.93E-11	2.63E-12	1.30E-10
1094	744937.65	4109117.8	5.54E-10	1.01E-09	5.54E-11	1.62E-09	8.59E-11	1.65E-10	8.31E-12	2.60E-10	8.35E-11	1.42E-10	1.06E-11	2.36E-10	4.75E-11	7.85E-11	2.60E-12	1.29E-10
1095	744942.39	4109141.74	5.51E-10	1.00E-09	5.51E-11	1.61E-09	8.55E-11	1.65E-10	8.27E-12	2.58E-10	8.31E-11	1.42E-10	1.05E-11	2.35E-10	4.72E-11	7.81E-11	2.59E-12	1.28E-10
1096	744947.13	4109165.68	5.50E-10	1.00E-09	5.50E-11	1.61E-09	8.53E-11	1.64E-10	8.26E-12	2.58E-10	8.29E-11	1.41E-10	1.05E-11	2.35E-10	4.71E-11	7.80E-11	2.58E-12	1.28E-10
1097	744951.87	4109189.62	5.51E-10	1.00E-09	5.51E-11	1.61E-09	8.54E-11	1.65E-10	8.27E-12	2.58E-10	8.31E-11	1.42E-10	1.05E-11	2.35E-10	4.72E-11	7.81E-11	2.59E-12	1.28E-10
1098	744956.6	4109213.55	5.53E-10	1.01E-09	5.54E-11	1.62E-09	8.58E-11	1.65E-10	8.30E-12	2.59E-10	8.34E-11	1.42E-10	1.05E-11	2.36E-10	4.74E-11	7.85E-11	2.60E-12	1.28E-10
1099	744961.34	4109237.49	5.57E-10	1.02E-09	5.57E-11	1.63E-09	8.64E-11	1.66E-10	8.36E-12	2.61E-10	8.40E-11	1.43E-10	1.06E-11	2.38E-10	4.77E-11	7.90E-11	2.62E-12	1.29E-10
1100	744966.08	4109261.43	5.62E-10	1.02E-09	5.62E-11	1.64E-09	8.71E-11	1.68E-10	8.43E-12	2.63E-10	8.47E-11	1.44E-10	1.07E-11	2.40E-10	4.81E-11	7.97E-11	2.64E-12	1.30E-10
1101	744970.82	4109285.37	5.67E-10	1.03E-09	5.68E-11	1.66E-09	8.80E-11	1.69E-10	8.51E-12	2.66E-10	8.55E-11	1.46E-10	1.08E-11	2.42E-10	4.86E-11	8.04E-11	2.67E-12	1.32E-10
1102	744975.56	4109309.31	5.73E-10	1.04E-09	5.73E-11	1.67E-09	8.88E-11	1.71E-10	8.59E-12	2.68E-10	8.63E-11	1.47E-10	1.09E-11	2.44E-10	4.91E-11	8.12E-11	2.69E-12	1.33E-10
1103	744980.29	4109333.25	5.78E-10	1.05E-09	5.78E-11	1.69E-09	8.96E-11	1.73E-10	8.67E-12	2.71E-10	8.71E-11	1.48E-10	1.10E-11	2.47E-10	4.95E-11	8.19E-11	2.71E-12	1.34E-10
1104	744985.03	4109357.19	5.82E-10	1.06E-09	5.82E-11	1.70E-09	9.02E-11	1.74E-10	8.73E-12	2.73E-10	8.77E-11	1.50E-10	1.11E-11	2.48E-10	4.99E-11	8.25E-11	2.73E-12	1.35E-10
1105	744989.77	4109381.13	5.85E-10	1.07E-09	5.85E-11	1.71E-09	9.07E-11	1.75E-10	8.78E-12	2.74E-10	8.82E-11	1.50E-10	1.11E-11	2.50E-10	5.01E-11	8.30E-11	2.75E-12	1.36E-10
1106	744994.51	4109405.07	5.87E-10	1.07E-09	5.87E-11	1.72E-09	9.10E-11	1.75E-10	8.81E-12	2.75E-10	8.85E-11	1.51E-10	1.12E-11	2.51E-10	5.03E-11	8.32E-11	2.76E-12	1.36E-10
1107	744999.25	4109429.01	5.87E-10	1.07E-09	5.87E-11	1.72E-09	9.11E-11	1.75E-10	8.81E-12	2.75E-10	8.85E-11	1.51E-10	1.12E-11	2.51E-10	5.03E-11	8.33E-11	2.76E-12	1.36E-10
1108	745003.98	4109452.95	5.86E-10	1.07E-09	5.86E-11	1.71E-09	9.08E-11	1.75E-10	8.79E-12	2.75E-10	8.83E-11	1.51E-10	1.12E-11	2.50E-10	5.02E-11	8.30E-11	2.75E-12	1.36E-10
1109	745008.72	4109476.89	5.83E-10	1.06E-09	5.83E-11	1.70E-09	9.03E-11	1.74E-10	8.74E-12	2.73E-10	8.78E-11	1.50E-10	1.11E-11	2.49E-10	4.99E-11	8.26E-11	2.74E-12	1.35E-10
1110	745013.46	4109500.83	5.78E-10	1.05E-09	5.78E-11	1.69E-09	8.96E-11	1.73E-10	8.67E-12	2.71E-10	8.71E-11	1.48E-10	1.10E-11	2.47E-10	4.95E-11	8.19E-11	2.71E-12	1.34E-10
1111	745018.2	4109524.77	5.71E-10	1.04E-09	5.72E-11	1.67E-09	8.86E-11	1.71E-10	8.57E-12	2.68E-10	8.62E-11	1.47E-10	1.09E-11	2.44E-10	4.90E-11	8.10E-11	2.68E-12	1.33E-10
1112	745022.94	4109548.71	5.64E-10	1.03E-09	5.64E-11	1.65E-09	8.74E-11	1.68E-10	8.46E-12	2.64E-10	8.50E-11	1.45E-10	1.07E-11	2.41E-10	4.83E-11	7.99E-11	2.65E-12	1.31E-10
1113	745027.68	4109572.65	5.55E-10	1.01E-09	5.55E-11	1.62E-09	8.61E-11	1.66E-10	8.33E-12	2.60E-10	8.37E-11	1.43E-10	1.06E-11	2.37E-10	4.76E-11	7.87E-11	2.61E-12	1.29E-10
1114	745032.41	4109596.59	5.46E-10	9.94E-10	5.46E-11	1.59E-09	8.46E-11	1.63E-10	8.19E-12	2.56E-10	8.23E-11	1.40E-10	1.04E-11	2.33E-10	4.68E-11	7.74E-11	2.56E-12	1.27E-10
1115	745037.15	4109620.53	5.36E-10	9.76E-10	5.36E-11	1.57E-09	8.31E-11	1.60E-10	8.04E-12	2.51E-10	8.08E-11	1.38E-10	1.02E-11	2.29E-10	4.59E-11	7.60E-11	2.52E-12	1.24E-10
1116	745041.89	4109644.47	5.25E-10	9.57E-10	5.26E-11	1.54E-09	8.15E-11	1.57E-10	7.89E-12	2.46E-10	7.92E-11	1.35E-10	1.00E-11	2.24E-10	4.50E-11	7.45E-11	2.47E-12	1.22E-10
1117	745046.63	4109668.41	5.14E-10	9.36E-10	5.14E-11	1.50E-09	7.97E-11	1.54E-10	7.71E-12	2.41E-10	7.75E-11	1.32E-10	9.79E-12	2.19E-10	4.40E-11	7.29E-11	2.42E-12	1.19E-10
1118	745051.37	4109692.35	5.03E-10	9.16E-10	5.03E-11	1.47E-09	7.80E-11	1.50E-10	7.55E-12	2.36E-10	7.58E-11	1.29E-10	9.58E-12	2.15E-10	4.31E-11	7.13E-11	2.36E-12	1.17E-10
1119	745056.1	4109716.29	4.92E-10	8.97E-10	4.92E-11	1.44E-09	7.63E-11	1.47E-10	7.39E-12	2.31E-10	7.42E-11	1.27E-10	9.38E-12	2.10E-10	4.22E-11	6.98E-11	2.31E-12	1.14E-10
1120	745060.84	4109740.23	4.82E-10	8.79E-10	4.82E-11	1.41E-09	7.48E-11	1.44E-10	7.24E-12	2.26E-10	7.27E-11	1.24E-10	9.19E-12	2.06E-10	4.13E-11	6.84E-11	2.27E-12	1.12E-10
1121	745065.58	4109764.17	4.73E-10	8.62E-10	4.73E-11	1.38E-09	7.33E-11	1.41E-10	7.10E-12	2.22E-10	7.13E-11	1.22E-10	9.01E-12	2.02E-10	4.05E-11	6.71E-11	2.22E-12	1.10E-10
1122	745070.32	4109788.11	4.67E-10	8.51E-10	4.67E-11	1.36E-09	7.24E-11	1.39E-10	7.01E-12	2.19E-10	7.04E-11	1.20E-10	8.89E-12	1.99E-10	4.00E-11	6.62E-11	2.19E-12	1.08E-10
1123	745075.06	4109812.04	4.59E-10	8.36E-10	4.59E-11	1.34E-09	7.12E-11	1.37E-10	6.89E-12	2.15E-10	6.92E-11	1.18E-10	8.74E-12	1.96E-10	3.93E-11	6.51E-11	2.16E-12	1.07E-10
1124	745079.79	4109835.98	4.51E-10	8.22E-10	4.51E-11	1.32E-09	7.00E-11	1.35E-10	6.77E-12	2.11E-10	6.80E-11	1.16E-10	8.60E-12	1.93E-10	3.87E-11	6.40E-11	2.12E-12	1.05E-10
1125	745084.53	4109859.92	4.43E-10	8.08E-10	4.43E-11	1.30E-09	6.87E-11	1.32E-10	6.65E-12	2.08E-10	6.68E-11	1.14E-10	8.44E-12	1.89E-10	3.80E-11	6.28E-11	2.08E-12	1.03E-10
1126	745089.27	4109883.86	4.35E-10	7.93E-10	4.35E-11	1.27E-09	6.75E-11	1.30E-10	6.53E-12	2.04E-10	6.56E-11	1.12E-10	8.29E-12	1.86E-10	3.73E-11	6.17E-11	2.04E-12	1.01E-10
1127	745094.01	4109907.8	4.26E-10	7.76E-10	4.26E-11	1.24E-09	6.60E-11	1.27E-10	6.39E-12	2.00E-10	6.42E-11	1.09E-10	8.11E-12	1.82E-10	3.65E-11	6.03E-11	2.00E-12	9.88E-11
1128	745098.75	4109931.74	4.19E-10	7.63E-10	4.19E-11	1.22E-09	6.50E-11	1.25E-10	6.29E-12	1.96E-10	6.32E-11	1.08E-10	7.98E-12	1.79E-10	3.59E-11	5.94E-11	1.97E-12	9.72E-11
1129	745103.48	4109955.68	4.12E-10	7.51E-10	4.13E-11	1.21E-09	6.40E-11	1.23E-10	6.19E-12	1.93E-10	6.22E-11	1.06E-10	7.86E-12	1.76E-10	3.53E-11	5.85E-11	1.94E-12	9.57E-11
1130	745108.22	4109979.62	4.06E-10	7.40E-10	4.07E-11	1.19E-09	6.30E-11	1.21E-10	6.10E-12	1.91E-10	6.13E-11	1.04E-10	7.74E-12	1.73E-10	3.48E-11	5.76E-11	1.91E-12	9.43E-11
1131	745112.96	4110003.56	4.03E-10	7.34E-10	4.03E-11	1.18E-09	6.25E-11	1.20E-10	6.05E-12	1.89E-10	6.08E-11	1.04E-10	7.68E-12	1.72E-10	3.45E-11	5.71E-11	1.89E-12	9.35E-11
1132	745117.7	4110027.5	3.97E-10	7.24E-10	3.98E-11	1.16E-09	6.16E-11	1.19E-10	5.96E-12	1.86E-10	5.99E-11	1.02E-10	7.57E-12	1.70E-10	3.41E-11	5.63E-11	1.87E-12	9.23E-11
1133	745122.44	4110051.44	3.92E-10	7.14E-10	3.92E-11	1.15E-09	6.08E-11	1.17E-10	5.88E-12	1.84E-10	5.91E-11	1.01E-10	7.47E-12	1.67E-10	3.36E-11	5.56E-11	1.84E-12	9.10E-11
1134	745127.17	4110075.38	3.87E-10	7.06E-10	3.87E-11	1.13E-09	6.00E-11	1.16E-10	5.81E-12	1.82E-10	5.84E-11	9.95E-11	7.38E-12	1.65E-10	3.32E-11	5.49E-11	1.82E-12	8.99E-11
1135	745131.91	4110099.32	3.79E-10	6.91E-10	3.80E-11	1.11E-09	5.88E-11	1.13E-10	5.69E-12	1.78E-10	5.72E-11	9.75E-11	7.23E-12	1.62E-10	3.25E-11	5.38E-11	1.78E-12	8.81E-11
1136	745136.65	4110123.26	3.75E-10	6.83E-10	3.75E-11	1.10E-09	5.81E-11	1.12E-10	5.63E-12	1.76E-10	5.65E-11	9.64E-11	7.14E-12	1.60E-10	3.21E-11	5.31E-11	1.76E-12	8.70E-11
1137	745141.39	4110147.2	3.71E-10	6.76E-10	3.71E-11	1.08E-09	5.75E-11	1.11E-10	5.57E-12	1.74E-10	5.59E-11	9.53E-11	7.07E-12	1.58E-10	3.18E-11	5.26E-11	1.74E-12	8.61E-11
1138	745146.13	4110171.14	3.67E-10	6.69E-10	3.67E-11	1.07E-09	5.69E-11	1.10E-10	5.51E-12	1.72E-10	5.54E-11	9.44E-11	7.00E-12	1.57E-10	3.15E-11	5.21E-11	1.73E-12	8.53E-11
1139	745150.86	4110195.08	3.64E-10	6.63E-10	3.64E-11	1.06E-09	5.65E-11	1.09E-10	5.46E-12	1.71E-10	5.49E-11	9.36E-11	6.94E-12	1.55E-10	3.12E-11	5.16E-11	1.71E-12	8.45E-11
1140	745155.6	4110219.02	3.61E-10	6.58E-10	3.62E-11	1.06E-09	5.60E-11	1.08E-10	5.42E-12	1.69E-10	5.45E-11	9.29E-11	6.89E-12	1.54E-10	3.10E-11	5.12E-11	1.70E-12	8.39E-11
1141	745160.34	4110242.96	3.59E-10	6.54E-10	3.59E-11	1.05E-09	5.57E-11	1.07E-10	5.39E-12	1.68E-10	5.41E-11	9.23E-11	6.84E-12	1.53E-10	3.08E-11	5.09E-11	1.69E-12	8.33E-11
1142	745165.08	4110266.9	3.57E-10	6.50E-10	3.57E-11	1.04E-09	5.53E-11	1.07E-10	5.35E-12	1.67E-10	5.38E-11	9.17E-11	6.80E-12	1.52E-10	3.06E-11	5.06E-11	1.68E-12	8.28E-11
1143	745169.82	4110290.84	3.55E-10	6.46E-10	3.55E-11	1.04E-09	5.50E-11	1.06E-10	5.32E-12	1.66E-10	5.35E-11	9.12E-11	6.76E-12	1.51E-10	3.04E-11	5.03E-11	1.67E-12	8.24E-11
1144	745174.55	4110314.78	3.53E-10	6.43E-10	3.53E-11	1.03E-09	5.47E-11	1.05E-10	5.29E-12	1.65E-10	5.32E-11	9.07E-11	6.72E-12	1.51E-10	3.02E-11	5.00E-11	1.66E-12	8.19E-11
1145	745179.29	4110338.72	3.51E-10	6.39E-10	3.51E-11	1.02E-09	5.44E-11	1.05E-10	5.26E-12	1.64E-10	5.29E-11	9.01E-11	6.68E-12	1.50E-10	3.00E-11	4.97E-11	1.65E-12	8.14E-11
1146	745184.03	4110362.66	3.49E-10	6.36E-10	3.49E-11	1.02E-09	5.41E-11	1.04E-10	5.24E-12	1.64E-10	5.26E-11	8.97E-11	6.65E-12	1.49E-10	2.99E-11	4.95E-11	1.64E-12	8.10E-11
1147	745188.77	4110386.6	3.47E-10	6.32E-10	3.47E-11	1.01E-09	5.38E-11	1.04E-10	5.20E-12	1.63E-10	5.23E-11	8.91E-11	6.61E-12	1.48E-10	2.97E-11	4.92E-11	1.63E-12	8.05E-11
1148	745193.51	4110410.53	3.45E-10	6.28E-10	3.45E-11	1.01E-09	5.35E-11	1.03E-10	5.17E-12	1.62E-10	5.20E-11	8.86E-11	6.57E-12	1.47E-10	2.95E-11	4.89E-11	1.62E-12	8.00E-11

1149	745198.24	4110434.47	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.02E-10	5.14E-12	1.61E-10	5.17E-11	8.81E-11	6.53E-12	1.46E-10	2.94E-11	4.86E-11	1.61E-12	7.96E-11
1150	745202.98	4110458.41	3.41E-10	6.21E-10	3.41E-11	9.96E-10	5.28E-11	1.02E-10	5.11E-12	1.60E-10	5.14E-11	8.76E-11	6.49E-12	1.45E-10	2.92E-11	4.83E-11	1.60E-12	7.91E-11
1151	745207.72	4110482.35	3.39E-10	6.17E-10	3.39E-11	9.90E-10	5.25E-11	1.01E-10	5.08E-12	1.59E-10	5.11E-11	8.71E-11	6.45E-12	1.45E-10	2.90E-11	4.80E-11	1.59E-12	7.86E-11
1152	745212.46	4110506.29	3.37E-10	6.14E-10	3.37E-11	9.84E-10	5.22E-11	1.01E-10	5.05E-12	1.58E-10	5.08E-11	8.66E-11	6.42E-12	1.44E-10	2.89E-11	4.77E-11	1.58E-12	7.82E-11
1153	745217.2	4110530.23	3.35E-10	6.10E-10	3.35E-11	9.79E-10	5.19E-11	1.00E-10	5.03E-12	1.57E-10	5.05E-11	8.61E-11	6.38E-12	1.43E-10	2.87E-11	4.75E-11	1.57E-12	7.77E-11
1154	745221.93	4110554.17	3.33E-10	6.06E-10	3.33E-11	9.73E-10	5.16E-11	9.94E-11	5.00E-12	1.56E-10	5.02E-11	8.56E-11	6.34E-12	1.42E-10	2.85E-11	4.72E-11	1.56E-12	7.73E-11
1155	745226.67	4110578.11	3.31E-10	6.03E-10	3.31E-11	9.68E-10	5.13E-11	9.89E-11	4.97E-12	1.55E-10	4.99E-11	8.51E-11	6.31E-12	1.41E-10	2.84E-11	4.69E-11	1.56E-12	7.69E-11
1156	745217.87	4110622.36	3.31E-10	6.02E-10	3.31E-11	9.66E-10	5.13E-11	9.87E-11	4.96E-12	1.55E-10	4.98E-11	8.50E-11	6.30E-12	1.41E-10	2.83E-11	4.69E-11	1.55E-12	7.67E-11
1157	745204.33	4110642.66	3.32E-10	6.04E-10	3.32E-11	9.69E-10	5.14E-11	9.91E-11	4.98E-12	1.56E-10	5.00E-11	8.53E-11	6.32E-12	1.42E-10	2.84E-11	4.70E-11	1.56E-12	7.70E-11
1158	745190.79	4110662.96	3.33E-10	6.06E-10	3.33E-11	9.73E-10	5.16E-11	9.94E-11	5.00E-12	1.56E-10	5.02E-11	8.56E-11	6.34E-12	1.42E-10	2.85E-11	4.72E-11	1.56E-12	7.73E-11
1159	745177.25	4110683.27	3.34E-10	6.09E-10	3.34E-11	9.76E-10	5.18E-11	9.98E-11	5.01E-12	1.57E-10	5.04E-11	8.59E-11	6.37E-12	1.43E-10	2.86E-11	4.74E-11	1.57E-12	7.76E-11
1160	745163.72	4110703.57	3.36E-10	6.11E-10	3.36E-11	9.81E-10	5.20E-11	1.00E-10	5.04E-12	1.57E-10	5.06E-11	8.63E-11	6.39E-12	1.43E-10	2.88E-11	4.76E-11	1.58E-12	7.79E-11
1161	745150.18	4110723.88	3.37E-10	6.15E-10	3.38E-11	9.86E-10	5.23E-11	1.01E-10	5.06E-12	1.58E-10	5.09E-11	8.67E-11	6.43E-12	1.44E-10	2.89E-11	4.78E-11	1.59E-12	7.83E-11
1162	745136.64	4110744.18	3.39E-10	6.18E-10	3.40E-11	9.92E-10	5.26E-11	1.01E-10	5.09E-12	1.59E-10	5.12E-11	8.72E-11	6.47E-12	1.45E-10	2.91E-11	4.81E-11	1.59E-12	7.88E-11
1163	745123.1	4110764.48	3.42E-10	6.22E-10	3.42E-11	9.98E-10	5.30E-11	1.02E-10	5.13E-12	1.60E-10	5.15E-11	8.78E-11	6.51E-12	1.46E-10	2.93E-11	4.84E-11	1.61E-12	7.93E-11
1164	745109.56	4110784.79	3.44E-10	6.27E-10	3.44E-11	1.01E-09	5.34E-11	1.03E-10	5.17E-12	1.61E-10	5.19E-11	8.85E-11	6.56E-12	1.47E-10	2.95E-11	4.88E-11	1.62E-12	7.99E-11
1165	745096.02	4110805.09	3.48E-10	6.33E-10	3.48E-11	1.02E-09	5.39E-11	1.04E-10	5.22E-12	1.63E-10	5.24E-11	8.93E-11	6.62E-12	1.48E-10	2.98E-11	4.93E-11	1.63E-12	8.07E-11
1166	745082.48	4110825.4	3.51E-10	6.40E-10	3.51E-11	1.03E-09	5.45E-11	1.05E-10	5.27E-12	1.65E-10	5.30E-11	9.03E-11	6.69E-12	1.50E-10	3.01E-11	4.98E-11	1.65E-12	8.16E-11
1167	745068.94	4110845.7	3.55E-10	6.47E-10	3.55E-11	1.04E-09	5.51E-11	1.06E-10	5.33E-12	1.66E-10	5.36E-11	9.13E-11	6.77E-12	1.52E-10	3.04E-11	5.04E-11	1.67E-12	8.25E-11
1168	745055.4	4110866	3.60E-10	6.56E-10	3.60E-11	1.05E-09	5.58E-11	1.07E-10	5.40E-12	1.69E-10	5.42E-11	9.25E-11	6.85E-12	1.54E-10	3.08E-11	5.10E-11	1.69E-12	8.35E-11
1169	745041.86	4110886.31	3.65E-10	6.64E-10	3.65E-11	1.07E-09	5.65E-11	1.09E-10	5.47E-12	1.71E-10	5.50E-11	9.37E-11	6.95E-12	1.56E-10	3.12E-11	5.17E-11	1.71E-12	8.47E-11
1170	745028.33	4110906.61	3.70E-10	6.73E-10	3.70E-11	1.08E-09	5.73E-11	1.10E-10	5.55E-12	1.73E-10	5.57E-11	9.50E-11	7.04E-12	1.58E-10	3.17E-11	5.24E-11	1.74E-12	8.58E-11
1171	745014.79	4110926.91	3.74E-10	6.82E-10	3.74E-11	1.09E-09	5.80E-11	1.12E-10	5.62E-12	1.75E-10	5.64E-11	9.62E-11	7.13E-12	1.60E-10	3.21E-11	5.31E-11	1.76E-12	8.69E-11
1172	745001.25	4110947.22	3.79E-10	6.90E-10	3.79E-11	1.11E-09	5.88E-11	1.13E-10	5.69E-12	1.78E-10	5.71E-11	9.74E-11	7.22E-12	1.62E-10	3.25E-11	5.37E-11	1.78E-12	8.80E-11
1173	744987.71	4110967.52	3.83E-10	6.98E-10	3.83E-11	1.12E-09	5.94E-11	1.14E-10	5.75E-12	1.80E-10	5.78E-11	9.85E-11	7.30E-12	1.64E-10	3.28E-11	5.43E-11	1.80E-12	8.89E-11
1174	744974.17	4110987.83	3.87E-10	7.05E-10	3.87E-11	1.13E-09	6.00E-11	1.16E-10	5.80E-12	1.81E-10	5.83E-11	9.94E-11	7.37E-12	1.65E-10	3.31E-11	5.48E-11	1.82E-12	8.98E-11
1175	744960.63	4111008.13	3.89E-10	7.09E-10	3.89E-11	1.14E-09	6.04E-11	1.16E-10	5.84E-12	1.82E-10	5.87E-11	1.00E-10	7.42E-12	1.66E-10	3.34E-11	5.52E-11	1.83E-12	9.04E-11
1176	744947.09	4111028.43	3.91E-10	7.13E-10	3.91E-11	1.14E-09	6.06E-11	1.17E-10	5.87E-12	1.83E-10	5.90E-11	1.01E-10	7.45E-12	1.67E-10	3.35E-11	5.55E-11	1.84E-12	9.08E-11
1177	744933.55	4111048.74	3.92E-10	7.14E-10	3.92E-11	1.14E-09	6.07E-11	1.17E-10	5.88E-12	1.84E-10	5.91E-11	1.01E-10	7.46E-12	1.67E-10	3.36E-11	5.55E-11	1.84E-12	9.09E-11
1178	744920.01	4111069.04	3.91E-10	7.13E-10	3.91E-11	1.14E-09	6.06E-11	1.17E-10	5.87E-12	1.83E-10	5.90E-11	1.01E-10	7.45E-12	1.67E-10	3.35E-11	5.55E-11	1.84E-12	9.08E-11
1179	744906.48	4111089.35	3.89E-10	7.09E-10	3.89E-11	1.14E-09	6.04E-11	1.16E-10	5.84E-12	1.82E-10	5.87E-11	1.00E-10	7.42E-12	1.66E-10	3.34E-11	5.52E-11	1.83E-12	9.04E-11
1180	744892.94	4111109.65	3.86E-10	7.04E-10	3.87E-11	1.13E-09	5.99E-11	1.15E-10	5.80E-12	1.81E-10	5.83E-11	9.93E-11	7.36E-12	1.65E-10	3.31E-11	5.48E-11	1.82E-12	8.97E-11
1181	744879.4	4111129.95	3.82E-10	6.96E-10	3.82E-11	1.12E-09	5.93E-11	1.14E-10	5.74E-12	1.79E-10	5.76E-11	9.82E-11	7.28E-12	1.63E-10	3.27E-11	5.42E-11	1.80E-12	8.87E-11
1182	744865.86	4111150.26	3.77E-10	6.87E-10	3.77E-11	1.10E-09	5.85E-11	1.13E-10	5.66E-12	1.77E-10	5.68E-11	9.69E-11	7.18E-12	1.61E-10	3.23E-11	5.35E-11	1.77E-12	8.75E-11
1183	744852.32	4111170.56	3.71E-10	6.76E-10	3.71E-11	1.08E-09	5.75E-11	1.11E-10	5.57E-12	1.74E-10	5.59E-11	9.54E-11	7.07E-12	1.58E-10	3.18E-11	5.26E-11	1.74E-12	8.61E-11
1184	744838.78	4111190.87	3.64E-10	6.64E-10	3.64E-11	1.06E-09	5.65E-11	1.09E-10	5.47E-12	1.71E-10	5.49E-11	9.36E-11	6.94E-12	1.55E-10	3.12E-11	5.16E-11	1.71E-12	8.46E-11
1185	744825.24	4111211.17	3.57E-10	6.50E-10	3.57E-11	1.04E-09	5.53E-11	1.07E-10	5.36E-12	1.67E-10	5.38E-11	9.17E-11	6.80E-12	1.52E-10	3.06E-11	5.06E-11	1.68E-12	8.29E-11
1186	744811.7	4111231.47	3.49E-10	6.36E-10	3.49E-11	1.02E-09	5.42E-11	1.04E-10	5.24E-12	1.64E-10	5.27E-11	8.98E-11	6.65E-12	1.49E-10	2.99E-11	4.95E-11	1.64E-12	8.11E-11
1187	744798.16	4111251.78	3.41E-10	6.22E-10	3.42E-11	9.98E-10	5.30E-11	1.02E-10	5.12E-12	1.60E-10	5.15E-11	8.78E-11	6.51E-12	1.46E-10	2.93E-11	4.84E-11	1.60E-12	7.93E-11
1188	744784.63	4111272.08	3.37E-10	6.15E-10	3.37E-11	9.86E-10	5.23E-11	1.01E-10	5.06E-12	1.58E-10	5.09E-11	8.67E-11	6.43E-12	1.44E-10	2.89E-11	4.78E-11	1.59E-12	7.83E-11
1189	744771.09	4111292.39	3.31E-10	6.03E-10	3.31E-11	9.66E-10	5.13E-11	9.88E-11	4.96E-12	1.55E-10	4.99E-11	8.50E-11	6.30E-12	1.41E-10	2.83E-11	4.69E-11	1.55E-12	7.68E-11
1190	744757.55	4111312.69	3.24E-10	5.91E-10	3.24E-11	9.47E-10	5.03E-11	9.69E-11	4.87E-12	1.52E-10	4.89E-11	8.33E-11	6.18E-12	1.38E-10	2.78E-11	4.60E-11	1.52E-12	7.53E-11
1191	744744.01	4111332.99	3.18E-10	5.80E-10	3.18E-11	9.30E-10	4.93E-11	9.51E-11	4.78E-12	1.49E-10	4.80E-11	8.18E-11	6.06E-12	1.36E-10	2.73E-11	4.51E-11	1.50E-12	7.39E-11
1192	744730.47	4111353.3	3.12E-10	5.69E-10	3.13E-11	9.13E-10	4.84E-11	9.33E-11	4.69E-12	1.46E-10	4.71E-11	8.03E-11	5.95E-12	1.33E-10	2.68E-11	4.43E-11	1.47E-12	7.25E-11
1193	744716.93	4111373.6	3.07E-10	5.60E-10	3.07E-11	8.97E-10	4.76E-11	9.17E-11	4.61E-12	1.44E-10	4.63E-11	7.89E-11	5.85E-12	1.31E-10	2.63E-11	4.35E-11	1.44E-12	7.13E-11
1194	744703.39	4111393.91	3.02E-10	5.51E-10	3.03E-11	8.84E-10	4.69E-11	9.03E-11	4.54E-12	1.42E-10	4.56E-11	7.77E-11	5.76E-12	1.29E-10	2.59E-11	4.29E-11	1.42E-12	7.02E-11
1195	744689.85	4111414.21	2.98E-10	5.43E-10	2.98E-11	8.71E-10	4.62E-11	8.91E-11	4.48E-12	1.40E-10	4.50E-11	7.66E-11	5.68E-12	1.27E-10	2.55E-11	4.23E-11	1.40E-12	6.92E-11
1196	744676.31	4111434.51	2.95E-10	5.37E-10	2.95E-11	8.61E-10	4.57E-11	8.80E-11	4.42E-12	1.38E-10	4.44E-11	7.57E-11	5.61E-12	1.26E-10	2.52E-11	4.18E-11	1.38E-12	6.84E-11
1197	744662.77	4111454.82	2.92E-10	5.32E-10	2.92E-11	8.52E-10	4.52E-11	8.71E-11	4.38E-12	1.37E-10	4.40E-11	7.50E-11	5.56E-12	1.25E-10	2.50E-11	4.14E-11	1.37E-12	6.77E-11
1198	744649.24	4111475.12	2.89E-10	5.27E-10	2.89E-11	8.45E-10	4.49E-11	8.64E-11	4.34E-12	1.36E-10	4.36E-11	7.44E-11	5.51E-12	1.23E-10	2.48E-11	4.10E-11	1.36E-12	6.72E-11
1199	744635.7	4111495.43	2.87E-10	5.24E-10	2.88E-11	8.40E-10	4.46E-11	8.59E-11	4.31E-12	1.35E-10	4.33E-11	7.39E-11	5.48E-12	1.23E-10	2.46E-11	4.07E-11	1.35E-12	6.67E-11
1200	744622.16	4111515.73	2.86E-10	5.21E-10	2.86E-11	8.36E-10	4.44E-11	8.55E-11	4.29E-12	1.34E-10	4.31E-11	7.35E-11	5.45E-12	1.22E-10	2.45E-11	4.06E-11	1.34E-12	6.64E-11
1201	744608.62	4111536.03	2.85E-10	5.19E-10	2.85E-11	8.33E-10	4.42E-11	8.52E-11	4.28E-12	1.34E-10	4.30E-11	7.33E-11	5.43E-12	1.22E-10	2.44E-11	4.04E-11	1.34E-12	6.62E-11
1202	744595.08	4111556.34	2.84E-10	5.18E-10	2.85E-11	8.31E-10	4.41E-11	8.50E-11	4.27E-12	1.33E-10	4.29E-11	7.31E-11	5.42E-12	1.21E-10	2.44E-11	4.03E-11	1.34E-12	6.60E-11
1203	744581.54	4111576.64	2.82E-10	5.13E-10	2.82E-11	8.23E-10	4.37E-11	8.42E-11	4.23E-12	1.32E-10	4.25E-11	7.24E-11	5.37E-12	1.20E-10	2.41E-11	4.00E-11	1.32E-12	6.54E-11
1204	744568	4111596.95	2.84E-10	5.17E-10	2.84E-11	8.29E-10	4.40E-11	8.48E-11	4.26E-12	1.33E-10	4.28E-11	7.30E-11	5.41E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.59E-11
1205	744554.46	4111617.25	2.84E-10	5.17E-10	2.84E-11	8.28E-10	4.40E-11	8.47E-11	4.25E-12	1.33E-10	4.28E-11	7.29E-11	5.40E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.58E-11
1206	744540.92	4111637.55	2.83E-10	5.16E-10	2.84E-11	8.28E-10	4.39E-11	8.47E-11	4.25E-12	1.33E-10	4.27E-11	7.28E-11	5.40E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.58E-11
1207	744527.39	4111657.86	2.84E-10	5.17E-10	2.84E-11	8.28E-10	4.40E-11	8.47E-11	4.25E-12	1.33E-10	4.28E-11	7.29E-11	5.40E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.58E-11
1208	744513.85	4111678.16	2.84E-10	5.17E-10	2.84E-11	8.28E-10	4.40E-11	8.47E-11	4.25E-12	1.33E-10	4.28E-11	7.29E-11	5.40E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.58E-11
1209	744500.31	4111698.47	2.84E-10	5.17E-10	2.84E-11	8.28E-10	4.40E-11	8.47E-11	4.25E-12	1.33E-10	4.28E-11	7.29E-11	5.40E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.58E-11
1210	744486.77	4111718.77	2.82E-10	5.14E-10	2.82E-11	8.25E-10	4.38E-11	8.43E-11	4.24E-12	1.32E-10	4.26E-11	7.25E-11	5.38E-12	1.20E-10	2.42E-11	4.00E-11	1.33E-12	6.55E-11
1211	744473.23	4111739.07	2.83E-10	5.16E-10	2.83E-11	8.27E-10	4.39E-11	8.45E-11	4.25E-12	1.33E-10	4.27E-11	7.27E-11	5.39E-12	1.21E-10	2.42E-11	4.01E-11	1.33E-12	6.57E-11
1212	744459.69	4111759.38	2.83E-10	5.15E-10	2.83E-11	8.26E-10	4.38E-11	8.44E-11	4.24E-12	1.33E-10	4.26E-11	7.27E-11	5.39E-12	1.21E-10	2.42E-11	4.01E-11	1.33E-12	6.56E-11
1213	744446.15	4111779.68	2.82E-10	5.14E-10	2.83E-11	8.25E-10	4.38E-11	8.44E-11	4.24E-12	1.32E-10	4.26E-11	7.26E-11	5.38E-12	1.21E-10	2.42E-11	4.00E-11	1.33E-12	6.56E-11
1214	744432.61	4111799.98	2.82E-10	5.14E-10	2.83E-11	8.25E-10	4.38E-11	8.44E-11	4.24E-12	1.32E-10	4.26E-11	7.26E-11	5.38E-12	1.21E-10	2.42E-11	4.00E-11	1.33E-12	6.56E-11
1215	744419.07	4111820.29	2.83E-10	5.15E-10	2.83E-11	8.26E-10	4.38E-11	8.44E-11	4.24E-12	1.33E-10	4.26E-11	7.27E-11	5.39E-12	1.21E-10	2.42E-11	4.01E-11	1.33E-12	6.56E-11
1216	744405.53	4111840.59	2.84E-10	5.17E-10	2.84E-11	8.29E-10	4.40E-11	8.47E-11	4.26E-12	1.33E-10	4.28E-11	7.29E-11	5.41E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.59E-11
1217	744392	4111860.9	2.86E-10	5.20E-10	2.86E-11	8.34E-10	4.43E-11	8.53E-11	4.29E-12	1.34E-10	4.31E-11	7.34E-11	5.44E-12	1.22E-10	2.45E-11	4.05E-11	1.34E-12	6.63E-11
1218	744378.46	4111881.2	2.88E-10	5.25E-10	2.88E-11	8.42E-10	4.47E-11	8.61E-11	4.32E-12	1.35E-10	4.34E-11	7.41E-11	5.49E-12	1.23E-10	2.47E-11	4.08E-11	1.35E-12	6.69E-11
1219	744364.92	4111901.5	2.91E-10	5.31E-10	2.92E-11	8.52E-10	4.52E-11	8.71E-11	4.37E-12	1.37E-10	4.39E-11	7.49E-11	5.55E-12	1.24E-10	2.50E-11	4.13E-11	1.37E-12	6.77E-11
1220	744351.38	4111921.81	2.95E-10	5.38E-10	2.95E-11	8.63E-10	4.58E-11	8.82E-11	4.43E-12	1.38E-10	4.45E-11	7.59E-11	5.63E-12	1.26E-10	2.53E-11	4.19E-11	1.39E-12	6.86E-11
1221	744337.84	4111942.11	3.00E-10	5.47E-10	3.00E-11	8.77E-10	4.65E-11	8.96E-11	4.50E-12	1.41E-10	4.52E-11	7.71E-11	5.72E-12	1.28E-10	2.57E-11	4.25E-11	1.41E-12	6.97E-11
1222	744324.3	4111962.42	3.05E-10	5.56E-10	3.06E-11	8.92E-10	4.74E-11	9.12E-11	4.58E-12	1.43E-10	4.60E-11	7.85E-11	5.82E-12	1.30E-10	2.62E-11	4.33E-11	1.44E-12	7.09E-11
1223	744310.76	4111982.72	3.11E-10	5.67E-10	3.11E-11	9.10E-10	4.83E-11	9.30E-11	4.67E-12	1.46E-10	4.69E-11	8.00E-11	5.93E-12	1.33E-10	2.67E-11	4.41E-11	1.46E-12	7.23E-11
1224	744297.22	4112003.02	3.17E-10	5.78E-10	3.17E-11	9.27E-10	4.92E-11	9.48E-11	4.76E-12	1.49E-10	4.78E-11	8.16E-11	6.05E-12	1.35E-10	2.72E-11	4.50E-11	1.49E-12	7.37E-11
1225	744283.68	4112023.33	3.24E-10	5.90E-10	3.24E-11	9.46E-10	5.02E-11	9.67E-11	4.86E-12	1.52E-10	4.88E-11	8.32E-11	6.17E-12	1.38E-10	2.77E-11	4.59E-11	1.52E-12	7.51E-11
1226	744270.15	4112043.63	3.30E-10	6.01E-10	3.30E-11	9.63E-10	5.11E-11	9.85E-11	4.95E-12	1.55E-10	4.97E-11	8.47E-11	6.28E-12	1.41E-10	2.82E-11	4.67E-11	1.55E-12	7.65E-11
1227	744256.61	4112063.94	3.35E-10	6.11E-10	3.35E-11	9.80E-10	5.20E-11	1.00E-10	5.03E-12	1.57E-10	5.06E-11	8.62E-11	6.39E-12	1.43E-10	2.87E-11	4.75E-11	1.58E-12	7.78E-11
1228	744243.07	4112084.24	3.40E-10	6.20E-10	3.41E-11	9.94E-10	5.28E-11	1.02E-10	5.11E-12	1.60E-10	5.13E-11	8.75E-11	6.48E-12	1.45E-10	2.92E-11	4.83E-11	1.60E-12	7.90E-11
1229	744229.53	4112104.54	3.44E-10	6.27E-10	3.45E-11	1.01E-09	5.34E-11	1.03E-10	5.17E-12	1.61E-10	5.19E-11	8.85E-11	6.56E-12	1.47E-10	2.95E-11	4.88E-11	1.62E-12	7.99E-11
1230	744215.99	4112124.85	3.47E-10	6.33E-10	3.47E-11	1.01E-09	5.38E-11	1.04E-10	5.21E-12	1.63E-10	5.24E-11	8.93E-11	6.62E-12	1.48E-10	2.98E-11	4.92E-11	1.63E-12	8.06E-11
1231	744202.45	4112145.15	3.49E-10	6.35E-10	3.49E-11	1.02E-09	5.40E-11	1.04E-10	5.23E-12	1.63E-10	5.26E-11	8.96E-11	6.64E-12	1.49E-10	2.99E-11	4.94E-11	1.64E-12	8.09E-11
1232	744188.91	4112165.46	3.48E-10	6.35E-10	3.49E-11	1.02E-09	5.40E-11	1.04E-10	5.23E-12	1.63E-10	5.25E-11	8.96E-11	6.64E-12	1.49E-10	2.99E-11	4.94E-11	1.64E-12	8.09E-11
1233	744175.37	4112185.76	3.47E-10	6.31E-10	3.47E-11	1.01E-09	5.37E-11	1.04E-10	5.20E-12	1.62E-10	5.23E-11	8.91E-11	6.60E-12	1.48E-10	2.97E-11	4.91E-11	1.63E-12	8.04E-11
1234	744161.83	4112206.06	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.02E-10	5.15E-12	1.61E-10	5.17E-11	8.81E-11	6.53E-12	1.46E-10	2.94E-11	4.86E-11	1.61E-12	7.96E-11
1235	744148.29	4112226.37	3.38E-10	6.15E-10	3.38E-11	9.86E-10	5.24E-11	1.01E-10	5.07E-12	1.58E-10	5.09E-11	8.68E-11	6.43E-12	1.44E-10	2.89E-11	4.79E-11	1.59E-12	7.84E-11
1236	744134.76	4112246.67	3.31E-10	6.03E-10	3.31E-11	9.66E-10	5.13E-11	9.88E-11	4.96E-12	1.55E-10	4.99E-11	8.50E-11	6.30E-12	1.41E-10	2.83E-11	4.69E-11	1.55E-12	7.68E-11
1237	744121.22	4112266.98	3.22E-10	5.87E-10	3.22E-11	9.42E-10	5.00E-11	9.63E-11	4.84E-12	1.51E-10	4.86E-11	8.28E-11	6.14E-12	1.38E-10	2.76E-11	4.57E-11	1.51E-12	7.48E-11
1238	744107.68	4112287.28	3.12E-10	5.69E-10	3.13E-11	9.13E-10	4.84E-11	9.33E-11	4.69E-12	1.46E-10	4.71E-11	8.03E-11	5.95E-12	1.33E-10	2.68E-11	4.43E-11	1.47E-12	7.25E-11
1239	744094.14	4112307.58	3.01E-10	5.49E-10	3.02E-11	8.81E-10	4.68E-11	9.01E-11	4.52E-12	1.41E-10	4.55E-11	7.75E-11	5.74E-12	1.29E-10	2.58E-11	4.27E-11	1.42E-12	7.00E-11
1240	744080.6	4112327.89	2.90E-10	5.28E-10	2.90E-11	8.47E-10	4.49E-11	8.65E-11	4.35E-12	1.36E-10	4.37E-11	7.45E-11	5.52E-12	1.24E-10	2.48E-11	4.11E-11	1.36E-12	6.73E-11
1241	744067.06	4112348.19	2.76E-10	5.03E-10	2.76E-11	8.07E-10	4.28E-11	8.25E-11	4.14E-12	1.29E-10	4.16E-11	7.10E-11	5.26E-12	1.18E-10	2.37E-11	3.92E-11	1.30E-12	6.41E-11
1242	744053.52	4112368.5	2.63E-10	4.78E-10	2.63E-11	7.67E-10	4.07E-11	7.84E-11	3.94E-12	1.23E-10	3.96E-11	6.75E-11	5.00E-12	1.12E-10	2.25E-11	3.72E-11	1.23E-12	6.09E-11
1243	744039.98	4112388.8	2.49E-10	4.54E-10	2.49E-11	7.28E-10	3.86E-11	7.44E-11	3.74E-12	1.17E-10	3.75E-11	6.40E-11	4.74E-12	1.06E-10	2.13E-11	3.53E-11	1.17E-12	5.78E-11
1244	744026.44	4112409.1	2.36E-10	4.30E-10	2.36E-11	6.89E-10	3.66E-11	7.04E-11	3.54E-12	1.11E-10	3.56E-11	6.06E-11	4.49E-12	1.01E-10	2.02E-11	3.34E-11	1.11E-12	5.47E-11

1245	744012.91	4112429.41	2.23E-10	4.07E-10	2.23E-11	6.52E-10	3.46E-11	6.67E-11	3.35E-12	1.05E-10	3.37E-11	5.74E-11	4.25E-12	9.53E-11	1.91E-11	3.17E-11	1.05E-12	5.18E-11
1246	743999.37	4112449.71	2.12E-10	3.86E-10	2.12E-11	6.18E-10	3.28E-11	6.32E-11	3.18E-12	9.92E-11	3.19E-11	5.44E-11	4.03E-12	9.03E-11	1.81E-11	3.00E-11	9.94E-13	4.91E-11
1247	743985.83	4112470.02	2.01E-10	3.67E-10	2.01E-11	5.88E-10	3.12E-11	6.02E-11	3.02E-12	9.44E-11	3.04E-11	5.18E-11	3.84E-12	8.60E-11	1.73E-11	2.86E-11	9.46E-13	4.68E-11
1248	743972.29	4112490.32	1.93E-10	3.51E-10	1.93E-11	5.63E-10	2.99E-11	5.75E-11	2.89E-12	9.03E-11	2.90E-11	4.95E-11	3.67E-12	8.22E-11	1.65E-11	2.73E-11	9.05E-13	4.47E-11
1249	743958.75	4112510.62	1.85E-10	3.37E-10	1.85E-11	5.41E-10	2.87E-11	5.53E-11	2.78E-12	8.67E-11	2.79E-11	4.75E-11	3.52E-12	7.90E-11	1.58E-11	2.62E-11	8.69E-13	4.29E-11
1250	743945.21	4112530.93	1.79E-10	3.26E-10	1.79E-11	5.22E-10	2.77E-11	5.34E-11	2.68E-12	8.38E-11	2.70E-11	4.60E-11	3.41E-12	7.63E-11	1.53E-11	2.53E-11	8.40E-13	4.15E-11
1251	743931.67	4112551.23	1.74E-10	3.17E-10	1.74E-11	5.09E-10	2.70E-11	5.20E-11	2.61E-12	8.16E-11	2.62E-11	4.47E-11	3.32E-12	7.43E-11	1.49E-11	2.47E-11	8.18E-13	4.04E-11
1252	744771.82	4108279.91	8.51E-10	1.55E-09	8.51E-11	2.49E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.98E-10
1253	744758.27	4108259.55	8.51E-10	1.55E-09	8.51E-11	2.49E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.98E-10
1254	744744.72	4108239.19	8.50E-10	1.55E-09	8.51E-11	2.48E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.97E-10
1255	744731.18	4108218.83	8.50E-10	1.55E-09	8.50E-11	2.48E-09	1.32E-10	2.54E-10	1.27E-11	3.98E-10	1.28E-10	2.18E-10	1.62E-11	3.63E-10	7.28E-11	1.20E-10	3.99E-12	1.97E-10
1256	744717.63	4108198.47	8.48E-10	1.55E-09	8.49E-11	2.48E-09	1.32E-10	2.53E-10	1.27E-11	3.98E-10	1.28E-10	2.18E-10	1.62E-11	3.62E-10	7.27E-11	1.20E-10	3.99E-12	1.97E-10
1257	744704.08	4108178.1	8.46E-10	1.54E-09	8.47E-11	2.47E-09	1.31E-10	2.53E-10	1.27E-11	3.97E-10	1.28E-10	2.17E-10	1.61E-11	3.61E-10	7.25E-11	1.20E-10	3.98E-12	1.96E-10
1258	744690.53	4108157.74	8.43E-10	1.54E-09	8.44E-11	2.46E-09	1.31E-10	2.52E-10	1.27E-11	3.95E-10	1.27E-10	2.17E-10	1.61E-11	3.60E-10	7.22E-11	1.20E-10	3.96E-12	1.96E-10
1259	744676.98	4108137.38	8.39E-10	1.53E-09	8.40E-11	2.45E-09	1.30E-10	2.51E-10	1.26E-11	3.93E-10	1.27E-10	2.16E-10	1.60E-11	3.58E-10	7.19E-11	1.19E-10	3.94E-12	1.95E-10
1260	744663.43	4108117.02	8.34E-10	1.52E-09	8.34E-11	2.44E-09	1.29E-10	2.49E-10	1.25E-11	3.91E-10	1.26E-10	2.14E-10	1.59E-11	3.56E-10	7.15E-11	1.18E-10	3.92E-12	1.94E-10
1261	742069.08	4109813.33	6.07E-08	1.11E-07	6.08E-09	1.78E-07	9.42E-09	1.81E-08	9.12E-10	2.85E-08	9.16E-09	1.56E-08	1.16E-09	2.59E-08	5.21E-09	8.61E-09	2.85E-10	1.41E-08
1262	742048.44	4109826.58	6.61E-08	1.20E-07	6.61E-09	1.93E-07	1.03E-08	1.98E-08	9.92E-10	3.10E-08	9.97E-09	1.70E-08	1.26E-09	2.82E-08	5.67E-09	9.37E-09	3.11E-10	1.53E-08
1263	742027.8	4109839.84	7.12E-08	1.30E-07	7.12E-09	2.08E-07	1.10E-08	2.13E-08	1.07E-09	3.34E-08	1.07E-08	1.83E-08	1.36E-09	3.04E-08	6.10E-09	1.01E-08	3.34E-10	1.65E-08
1264	742007.16	4109853.1	7.66E-08	1.40E-07	7.66E-09	2.24E-07	1.19E-08	2.29E-08	1.15E-09	3.59E-08	1.15E-08	1.97E-08	1.46E-09	3.27E-08	6.56E-09	1.09E-08	3.60E-10	1.78E-08
1265	741986.53	4109866.35	8.13E-08	1.48E-07	8.13E-09	2.38E-07	1.26E-08	2.43E-08	1.22E-09	3.81E-08	1.23E-08	2.09E-08	1.55E-09	3.47E-08	6.97E-09	1.15E-08	3.82E-10	1.89E-08
1266	741965.89	4109879.61	8.49E-08	1.55E-07	8.50E-09	2.48E-07	1.32E-08	2.54E-08	1.27E-09	3.98E-08	1.28E-08	2.18E-08	1.62E-09	3.63E-08	7.28E-09	1.20E-08	3.99E-10	1.97E-08
1267	741945.25	4109892.87	8.77E-08	1.60E-07	8.78E-09	2.56E-07	1.36E-08	2.62E-08	1.32E-09	4.11E-08	1.32E-08	2.26E-08	1.67E-09	3.75E-08	7.52E-09	1.24E-08	4.12E-10	2.04E-08
1268	742074.2	4109788.86	4.27E-08	7.77E-08	4.27E-09	1.25E-07	6.61E-09	1.27E-08	6.40E-10	2.00E-08	6.43E-09	1.10E-08	8.13E-10	1.82E-08	3.65E-09	6.05E-09	2.00E-10	9.90E-09
1269	742034.93	4109805.55	4.30E-08	7.84E-08	4.30E-09	1.26E-07	6.67E-09	1.28E-08	6.45E-10	2.02E-08	6.49E-09	1.11E-08	8.19E-10	1.84E-08	3.69E-09	6.10E-09	2.02E-10	9.98E-09
1270	742014.29	4109818.8	4.55E-08	8.30E-08	4.56E-09	1.33E-07	7.06E-09	1.36E-08	6.83E-10	2.14E-08	6.87E-09	1.17E-08	8.68E-10	1.94E-08	3.90E-09	6.46E-09	2.14E-10	1.06E-08
1271	741993.65	4109832.06	4.82E-08	8.78E-08	4.82E-09	1.41E-07	7.48E-09	1.44E-08	7.24E-10	2.26E-08	7.27E-09	1.24E-08	9.19E-10	2.06E-08	4.13E-09	6.84E-09	2.27E-10	1.12E-08
1272	741973.01	4109845.32	5.12E-08	9.32E-08	5.12E-09	1.50E-07	7.94E-09	1.53E-08	7.68E-10	2.40E-08	7.72E-09	1.32E-08	9.75E-10	2.18E-08	4.38E-09	7.26E-09	2.40E-10	1.19E-08
1273	741952.38	4109858.57	5.41E-08	9.85E-08	5.41E-09	1.58E-07	8.38E-09	1.62E-08	8.11E-10	2.53E-08	8.15E-09	1.39E-08	1.03E-09	2.31E-08	4.63E-09	7.67E-09	2.54E-10	1.26E-08
1274	741931.74	4109871.83	5.64E-08	1.03E-07	5.65E-09	1.65E-07	8.75E-09	1.69E-08	8.47E-10	2.65E-08	8.51E-09	1.45E-08	1.08E-09	2.41E-08	4.84E-09	8.00E-09	2.65E-10	1.31E-08
1275	742060.69	4109767.82	3.09E-08	5.64E-08	3.10E-09	9.04E-08	4.80E-09	9.24E-09	4.64E-10	1.45E-08	4.67E-09	7.95E-09	5.90E-10	1.32E-08	2.65E-09	4.39E-09	1.45E-10	7.18E-09
1276	742113.65	4109771.57	4.04E-08	7.37E-08	4.04E-09	1.18E-07	6.27E-09	1.21E-08	6.07E-10	1.90E-08	6.10E-09	1.04E-08	7.70E-10	1.73E-08	3.46E-09	5.73E-09	1.90E-10	9.39E-09
1277	742021.42	4109784.51	3.10E-08	5.66E-08	3.11E-09	9.07E-08	4.81E-09	9.27E-09	4.66E-10	1.46E-08	4.68E-09	7.98E-09	5.91E-10	1.32E-08	2.66E-09	4.40E-09	1.46E-10	7.21E-09
1278	742000.78	4109797.77	3.26E-08	5.94E-08	3.26E-09	9.52E-08	5.05E-09	9.73E-09	4.89E-10	1.53E-08	4.91E-09	8.38E-09	6.21E-10	1.39E-08	2.79E-09	4.62E-09	1.53E-10	7.56E-09
1279	741980.14	4109811.03	3.42E-08	6.23E-08	3.42E-09	9.99E-08	5.30E-09	1.02E-08	5.13E-10	1.60E-08	5.15E-09	8.78E-09	6.51E-10	1.46E-08	2.93E-09	4.85E-09	1.61E-10	7.93E-09
1280	741959.5	4109824.28	3.60E-08	6.55E-08	3.60E-09	1.05E-07	5.58E-09	1.07E-08	5.40E-10	1.69E-08	5.42E-09	9.24E-09	6.85E-10	1.53E-08	3.08E-09	5.10E-09	1.69E-10	8.35E-09
1281	741938.86	4109837.54	3.79E-08	6.91E-08	3.79E-09	1.11E-07	5.88E-09	1.13E-08	5.69E-10	1.78E-08	5.72E-09	9.74E-09	7.22E-10	1.62E-08	3.25E-09	5.37E-09	1.78E-10	8.80E-09
1282	741918.23	4109850.8	3.97E-08	7.23E-08	3.97E-09	1.16E-07	6.16E-09	1.19E-08	5.96E-10	1.86E-08	5.99E-09	1.02E-08	7.56E-10	1.69E-08	3.40E-09	5.63E-09	1.87E-10	9.22E-09
1283	742047.18	4109746.79	2.38E-08	4.33E-08	2.38E-09	6.95E-08	3.69E-09	7.10E-09	3.57E-10	1.11E-08	3.58E-09	6.11E-09	4.53E-10	1.01E-08	2.04E-09	3.37E-09	1.12E-10	5.52E-09
1284	742084.45	4109739.92	2.55E-08	4.65E-08	2.56E-09	7.46E-08	3.96E-09	7.63E-09	3.83E-10	1.20E-08	3.85E-09	6.57E-09	4.87E-10	1.09E-08	2.19E-09	3.62E-09	1.20E-10	5.93E-09
1285	742118.77	4109747.1	3.09E-08	5.64E-08	3.09E-09	9.04E-08	4.80E-09	9.24E-09	4.64E-10	1.45E-08	4.66E-09	7.95E-09	5.89E-10	1.32E-08	2.65E-09	4.38E-09	1.45E-10	7.18E-09
1286	742007.91	4109763.48	2.38E-08	4.34E-08	2.38E-09	6.95E-08	3.69E-09	7.11E-09	3.57E-10	1.12E-08	3.59E-09	6.12E-09	4.53E-10	1.02E-08	2.04E-09	3.37E-09	1.12E-10	5.52E-09
1287	741987.27	4109776.74	2.49E-08	4.53E-08	2.49E-09	7.26E-08	3.85E-09	7.43E-09	3.73E-10	1.17E-08	3.75E-09	6.39E-09	4.74E-10	1.06E-08	2.13E-09	3.52E-09	1.17E-10	5.77E-09
1288	741966.63	4109789.99	2.60E-08	4.73E-08	2.60E-09	7.59E-08	4.03E-09	7.76E-09	3.90E-10	1.22E-08	3.92E-09	6.68E-09	4.95E-10	1.11E-08	2.23E-09	3.68E-09	1.22E-10	6.03E-09
1289	741945.99	4109803.25	2.71E-08	4.95E-08	2.72E-09	7.93E-08	4.21E-09	8.11E-09	4.07E-10	1.27E-08	4.09E-09	6.98E-09	5.17E-10	1.16E-08	2.33E-09	3.85E-09	1.28E-10	6.30E-09
1290	741925.35	4109816.51	2.84E-08	5.18E-08	2.84E-09	8.30E-08	4.41E-09	8.49E-09	4.27E-10	1.33E-08	4.29E-09	7.31E-09	5.42E-10	1.21E-08	2.44E-09	4.03E-09	1.34E-10	6.60E-09
1291	741904.72	4109829.76	2.97E-08	5.41E-08	2.97E-09	8.68E-08	4.61E-09	8.88E-09	4.46E-10	1.39E-08	4.48E-09	7.64E-09	5.66E-10	1.27E-08	2.55E-09	4.21E-09	1.40E-10	6.90E-09
1292	742023.88	4109704.03	1.58E-08	2.88E-08	1.58E-09	4.61E-08	2.45E-09	4.72E-09	2.37E-10	7.40E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.66E-09
1293	742046.24	4109699.91	1.63E-08	2.98E-08	1.64E-09	4.78E-08	2.53E-09	4.88E-09	2.45E-10	7.66E-09	2.46E-09	4.20E-09	3.11E-10	6.98E-09	1.40E-09	2.32E-09	7.68E-11	3.79E-09
1294	742068.6	4109695.79	1.69E-08	3.08E-08	1.69E-09	4.94E-08	2.62E-09	5.05E-09	2.54E-10	7.92E-09	2.55E-09	4.34E-09	3.22E-10	7.21E-09	1.45E-09	2.40E-09	7.94E-11	3.92E-09
1295	742090.96	4109691.66	1.74E-08	3.17E-08	1.74E-09	5.09E-08	2.70E-09	5.20E-09	2.61E-10	8.16E-09	2.62E-09	4.47E-09	3.32E-10	7.43E-09	1.49E-09	2.47E-09	8.18E-11	4.04E-09
1296	742132.15	4109700.29	2.07E-08	3.77E-08	2.07E-09	6.04E-08	3.21E-09	6.18E-09	3.10E-10	9.69E-09	3.12E-09	5.31E-09	3.94E-10	8.83E-09	1.77E-09	2.93E-09	9.71E-11	4.80E-09
1297	742150.98	4109713.03	2.43E-08	4.43E-08	2.43E-09	7.10E-08	3.77E-09	7.26E-09	3.65E-10	1.14E-08	3.66E-09	6.24E-09	4.63E-10	1.04E-08	2.08E-09	3.44E-09	1.14E-10	5.64E-09
1298	742169.81	4109725.77	2.88E-08	5.25E-08	2.88E-09	8.41E-08	4.47E-09	8.60E-09	4.32E-10	1.35E-08	4.34E-09	7.40E-09	5.49E-10	1.23E-08	2.47E-09	4.08E-09	1.35E-10	6.69E-09
1299	742001.52	4109708.15	1.52E-08	2.78E-08	1.53E-09	4.45E-08	2.36E-09	4.55E-09	2.29E-10	7.15E-09	2.30E-09	3.92E-09	2.90E-10	6.51E-09	1.31E-09	2.16E-09	7.16E-11	3.54E-09
1300	741980.88	4109721.41	1.57E-08	2.87E-08	1.57E-09	4.60E-08	2.44E-09	4.70E-09	2.36E-10	7.37E-09	2.37E-09	4.04E-09	3.00E-10	6.71E-09	1.35E-09	2.23E-09	7.39E-11	3.65E-09
1301	741960.25	4109734.67	1.63E-08	2.97E-08	1.63E-09	4.76E-08	2.53E-09	4.87E-09	2.44E-10	7.64E-09	2.46E-09	4.19E-09	3.10E-10	6.95E-09	1.40E-09	2.31E-09	7.65E-11	3.78E-09
1302	741939.61	4109747.92	1.69E-08	3.08E-08	1.69E-09	4.93E-08	2.62E-09	5.04E-09	2.53E-10	7.92E-09	2.55E-09	4.34E-09	3.22E-10	7.21E-09	1.45E-09	2.39E-09	7.94E-11	3.92E-09
1303	741918.97	4109761.18	1.75E-08	3.18E-08	1.75E-09	5.10E-08	2.71E-09	5.22E-09	2.62E-10	8.18E-09	2.63E-09	4.49E-09	3.33E-10	7.45E-09	1.50E-09	2.48E-09	8.20E-11	4.05E-09
1304	741898.33	4109774.44	1.81E-08	3.29E-08	1.81E-09	5.27E-08	2.80E-09	5.39E-09	2.71E-10	8.46E-09	2.72E-09	4.64E-09	3.44E-10	7.71E-09	1.55E-09	2.56E-09	8.48E-11	4.19E-09
1305	741877.69	4109787.69	1.87E-08	3.41E-08	1.87E-09	5.46E-08	2.90E-09	5.59E-09	2.81E-10	8.77E-09	2.82E-09	4.81E-09	3.56E-10	7.98E-09	1.60E-09	2.65E-09	8.79E-11	4.34E-09
1306	741995.8	4109662.16	1.14E-08	2.08E-08	1.14E-09	3.34E-08	1.77E-09	3.42E-09	1.72E-10	5.36E-09	1.73E-09	2.94E-09	2.18E-10	4.88E-09	9.80E-10	1.62E-09	5.38E-11	2.66E-09
1307	742038.39	4109654.31	1.20E-08	2.19E-08	1.20E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.65E-09	1.82E-09	3.10E-09	2.29E-10	5.14E-09	1.03E-09	1.71E-09	5.66E-11	2.80E-09
1308	742080.98	4109646.45	1.26E-08	2.29E-08	1.26E-09	3.68E-08	1.95E-09	3.76E-09	1.89E-10	5.90E-09	1.90E-09	3.23E-09	2.40E-10	5.37E-09	1.08E-09	1.78E-09	5.91E-11	2.92E-09
1309	742141.5	4109650.74	1.46E-08	2.66E-08	1.46E-09	4.27E-08	2.26E-09	4.36E-09	2.19E-10	6.85E-09	2.20E-09	3.75E-09	2.78E-10	6.23E-09	1.25E-09	2.07E-09	6.86E-11	3.39E-09
1310	742177.37	4109675.01	1.88E-08	3.43E-08	1.88E-09	5.50E-08	2.92E-09	5.62E-09	2.82E-10	8.82E-09	2.84E-09	4.84E-09	3.58E-10	8.03E-09	1.61E-09	2.67E-09	8.84E-11	4.37E-09
1311	742213.23	4109699.29	2.49E-08	4.54E-08	2.49E-09	7.27E-08	3.86E-09	7.44E-09	3.74E-10	1.17E-08	3.75E-09	6.40E-09	4.74E-10	1.06E-08	2.13E-09	3.53E-09	1.17E-10	5.78E-09
1312	741953.86	4109679.34	1.14E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.39E-09	1.70E-10	5.32E-09	1.71E-09	2.92E-09	2.16E-10	4.85E-09	9.73E-10	1.61E-09	5.34E-11	2.64E-09
1313	741933.22	4109692.6	1.17E-08	2.12E-08	1.17E-09	3.41E-08	1.81E-09	3.48E-09	1.75E-10	5.46E-09	1.76E-09	3.00E-09	2.22E-10	4.98E-09	9.99E-10	1.65E-09	5.48E-11	2.71E-09
1314	741912.59	4109705.85	1.20E-08	2.19E-08	1.20E-09	3.51E-08	1.86E-09	3.59E-09	1.80E-10	5.63E-09	1.81E-09	3.09E-09	2.29E-10	5.12E-09	1.03E-09	1.70E-09	5.64E-11	2.79E-09
1315	741891.95	4109719.11	1.24E-08	2.25E-08	1.24E-09	3.61E-08	1.92E-09	3.69E-09	1.85E-10	5.79E-09	1.86E-09	3.18E-09	2.35E-10	5.27E-09	1.06E-09	1.75E-09	5.80E-11	2.87E-09
1316	741871.31	4109732.37	1.27E-08	2.31E-08	1.27E-09	3.71E-08	1.97E-09	3.79E-09	1.91E-10	5.95E-09	1.91E-09	3.26E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.97E-11	2.95E-09
1317	741850.67	4109745.62	1.31E-08	2.38E-08	1.31E-09	3.82E-08	2.02E-09	3.90E-09	1.96E-10	6.12E-09	1.97E-09	3.36E-09	2.49E-10	5.57E-09	1.12E-09	1.85E-09	6.14E-11	3.03E-09
1318	741970.77	4109619.72	8.76E-09	1.60E-08	8.76E-10	2.56E-08	1.36E-09	2.62E-09	1.31E-10	4.11E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.51E-10	1.24E-09	4.12E-11	2.03E-09
1319	741994.06	4109615.43	9.01E-09	1.64E-08	9.01E-10	2.63E-08	1.40E-09	2.69E-09	1.35E-10	4.22E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.72E-10	1.28E-09	4.23E-11	2.09E-09
1320	742017.35	4109611.13	9.22E-09	1.68E-08	9.23E-10	2.70E-08	1.43E-09	2.76E-09	1.38E-10	4.32E-09	1.39E-09	2.37E-09	1.76E-10	3.94E-09	7.90E-10	1.31E-09	4.34E-11	2.14E-09
1321	742040.64	4109606.84	9.41E-09	1.72E-08	9.42E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.07E-10	1.33E-09	4.42E-11	2.19E-09
1322	742063.94	4109602.55	9.59E-09	1.75E-08	9.59E-10	2.80E-08	1.49E-09	2.86E-09	1.44E-10	4.49E-09	1.45E-09	2.46E-09	1.83E-10	4.09E-09	8.21E-10	1.36E-09	4.51E-11	2.23E-09
1323	742087.23	4109598.25	9.76E-09	1.78E-08	9.77E-10	2.85E-08	1.51E-09	2.92E-09	1.46E-10	4.58E-09	1.47E-09	2.51E-09	1.86E-10	4.17E-09	8.36E-10	1.38E-09	4.59E-11	2.27E-09
1324	742110.52	4109593.96	9.93E-09	1.81E-08	9.94E-10	2.90E-08	1.54E-09	2.97E-09	1.49E-10	4.66E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.51E-10	1.41E-09	4.67E-11	2.31E-09
1325	742153.43	4109602.94	1.12E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.34E-09	1.68E-10	5.23E-09	1.68E-09	2.87E-09	2.13E-10	4.77E-09	9.57E-10	1.58E-09	5.25E-11	2.59E-09
1326	742173.04	4109616.21	1.24E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.83E-09	1.88E-09	3.20E-09	2.37E-10	5.31E-09	1.07E-09	1.76E-09	5.85E-11	2.89E-09
1327	742192.65	4109629.49	1.40E-08	2.55E-08	1.40E-09	4.10E-08	2.17E-09	4.19E-09	2.10E-10	6.57E-09	2.11E-09	3.60E-09	2.67E-10	5.99E-09	1.20E-09	1.99E-09	6.59E-11	3.25E-09
1328	742212.27	4109642.76	1.60E-08	2.91E-08	1.60E-09	4.67E-08	2.48E-09	4.77E-09	2.40E-10	7.49E-09	2.41E-09	4.11E-09	3.04E-10	6.82E-09	1.37E-09	2.27E-09	7.51E-11	3.71E-09
1329	742231.88	4109656.04	1.83E-08	3.34E-08	1.83E-09	5.35E-08	2.84E-09	5.47E-09	2.75E-10	8.58E-09	2.76E-09	4.71E-09	3.49E-10	7.82E-09	1.57E-09	2.60E-09	8.61E-11	4.25E-09
1330	742251.49	4109669.31	2.09E-08	3.81E-08	2.09E-09	6.11E-08	3.24E-09	6.25E-09	3.14E-10	9.81E-09	3.16E-09	5.38E-09	3.99E-10	8.93E-09	1.79E-09	2.97E-09	9.83E-11	4.86E-09
1331	742271.11	4109682.59	2.37E-08	4.31E-08	2.37E-09	6.92E-08	3.67E-09	7.07E-09	3.55E-10	1.11E-08	3.57E-09	6.09E-09	4.51E-10	1.01E-08	2.03E-09	3.36E-09	1.11E-10	5.50E-09
1332	741947.48	4109624.02	8.50E-09	1.55E-08	8.50E-10	2.48E-08	1.32E-09	2.54E-09	1.28E-10	3.98E-09	1.28E-09	2.18E-09	1.62E-10	3.63E-09	7.28E-10	1.21E-09	3.99E-11	1.97E-09
1333	741926.84	4109637.27	8.65E-09	1.58E-08	8.65E-10	2.53E-08	1.34E-09	2.58E-09	1.30E-10	4.05E-09	1.30E-09	2.22E-09	1.65E-10	3.69E-09	7.41E-10	1.23E-09	4.06E-11	2.01E-09
1334	741906.2	4109650.53	8.83E-09	1.61E-08	8.84E-10	2.58E-08	1.37E-09	2.64E-09	1.33E-10	4.14E-09	1.33E-09	2.27E-09	1.68E-10	3.77E-09	7.57E-10	1.25E-09	4.15E-11	2.05E-09
1335	741885.56	4109663.79	9.06E-09	1.65E-08	9.07E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.25E-09	1.37E-09	2.33E-09	1.73E-10	3.87E-09	7.76E-10	1.28E-09	4.26E-11	2.10E-09
1336	741864.93	4109677.04	9.30E-09	1.70E-08	9.31E-10	2.72E-08	1.44E-09	2.78E-09	1.40E-10	4.36E-09	1.40E-09	2.39E-09	1.77E-10	3.97E-09	7.97E-10	1.32E-09	4.37E-11	2.16E-09
1337	741844.29	4109690.3	9.53E-09	1.74E-08	9.54E-10	2.79E-08	1.48E-09	2.85E-09	1.43E-10	4.47E-09	1.44E-09	2.45E-09	1.82E-10	4.07E-09	8.17E-10	1.35E-09	4.48E-11	2.21E-09
1338	741823.65	4109703.56	9.75E-09	1.78E-08	9.75E-10	2.85E-08	1.51E-09	2.91E-09	1.46E-10	4.57E-09	1.47E-09	2.51E-09	1.86E-10	4.16E-09	8.35E-10	1.38E-09	4.58E-11	2.26E-09
1339	741942.82	4109577.82	6.92E-09	1.26E-08	6.93E-10	2.02E-08	1.07E-09	2.07E-09	1.04E-10	3.25E-09	1.04E-09	1.78E-09	1.32E-10	2.96E-09	5.93E-10	9.82E-10	3.25E-11	1.61E-09
1340	741965.18	4109573.7	7.09E-09	1.29E-08	7.09E-10	2.07E-08	1.10E-09	2.12E-09	1.06E-10	3.32E-09	1.07E-09	1.82E-09	1.35E-10	3.03E-09	6.08E-10	1.01E-09	3.33E-11	1.65E-09

1341	741987.54	4109569.58	7.25E-09	1.32E-08	7.26E-10	2.12E-08	1.12E-09	2.17E-09	1.09E-10	3.40E-09	1.09E-09	1.86E-09	1.38E-10	3.10E-09	6.21E-10	1.03E-09	3.41E-11	1.68E-09
1342	742009.9	4109565.46	7.40E-09	1.35E-08	7.41E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.47E-09	1.12E-09	1.90E-09	1.41E-10	3.16E-09	6.34E-10	1.05E-09	3.48E-11	1.72E-09
1343	742032.26	4109561.34	7.54E-09	1.37E-08	7.54E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.14E-09	1.94E-09	1.44E-10	3.22E-09	6.46E-10	1.07E-09	3.54E-11	1.75E-09
1344	742054.62	4109557.21	7.66E-09	1.40E-08	7.66E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.59E-09	1.15E-09	1.97E-09	1.46E-10	3.27E-09	6.56E-10	1.09E-09	3.60E-11	1.78E-09
1345	742076.98	4109553.09	7.78E-09	1.42E-08	7.78E-10	2.27E-08	1.21E-09	2.32E-09	1.17E-10	3.65E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.66E-10	1.10E-09	3.65E-11	1.81E-09
1346	742099.34	4109548.97	7.90E-09	1.44E-08	7.90E-10	2.31E-08	1.22E-09	2.36E-09	1.19E-10	3.70E-09	1.19E-09	2.03E-09	1.50E-10	3.37E-09	6.77E-10	1.12E-09	3.71E-11	1.83E-09
1347	742121.7	4109544.85	8.01E-09	1.46E-08	8.01E-10	2.34E-08	1.24E-09	2.39E-09	1.20E-10	3.75E-09	1.21E-09	2.06E-09	1.53E-10	3.42E-09	6.86E-10	1.14E-09	3.76E-11	1.86E-09
1348	742162.88	4109553.47	8.79E-09	1.60E-08	8.80E-10	2.57E-08	1.36E-09	2.63E-09	1.32E-10	4.12E-09	1.33E-09	2.26E-09	1.68E-10	3.75E-09	7.53E-10	1.25E-09	4.13E-11	2.04E-09
1349	742181.71	4109566.21	9.57E-09	1.74E-08	9.58E-10	2.80E-08	1.48E-09	2.86E-09	1.44E-10	4.49E-09	1.44E-09	2.46E-09	1.82E-10	4.09E-09	8.20E-10	1.36E-09	4.50E-11	2.22E-09
1350	742200.54	4109578.96	1.05E-08	1.91E-08	1.05E-09	3.07E-08	1.63E-09	3.14E-09	1.58E-10	4.92E-09	1.58E-09	2.70E-09	2.00E-10	4.48E-09	8.99E-10	1.49E-09	4.93E-11	2.44E-09
1351	742219.37	4109591.7	1.16E-08	2.12E-08	1.16E-09	3.40E-08	1.80E-09	3.47E-09	1.74E-10	5.45E-09	1.75E-09	2.99E-09	2.22E-10	4.96E-09	9.96E-10	1.65E-09	5.46E-11	2.70E-09
1352	742238.2	4109604.45	1.30E-08	2.37E-08	1.30E-09	3.80E-08	2.02E-09	3.88E-09	1.95E-10	6.10E-09	1.96E-09	3.34E-09	2.48E-10	5.55E-09	1.11E-09	1.84E-09	6.11E-11	3.02E-09
1353	742257.03	4109617.19	1.46E-08	2.66E-08	1.46E-09	4.27E-08	2.27E-09	4.37E-09	2.19E-10	6.85E-09	2.20E-09	3.76E-09	2.79E-10	6.24E-09	1.25E-09	2.07E-09	6.87E-11	3.39E-09
1354	742275.86	4109629.93	1.64E-08	2.99E-08	1.64E-09	4.80E-08	2.55E-09	4.91E-09	2.46E-10	7.70E-09	2.48E-09	4.22E-09	3.13E-10	7.01E-09	1.41E-09	2.33E-09	7.72E-11	3.81E-09
1355	742294.69	4109642.68	1.83E-08	3.34E-08	1.83E-09	5.36E-08	2.84E-09	5.48E-09	2.75E-10	8.59E-09	2.76E-09	4.71E-09	3.49E-10	7.82E-09	1.57E-09	2.60E-09	8.61E-11	4.26E-09
1356	742313.52	4109655.42	2.02E-08	3.69E-08	2.03E-09	5.91E-08	3.14E-09	6.05E-09	3.04E-10	9.49E-09	3.05E-09	5.20E-09	3.86E-10	8.64E-09	1.73E-09	2.87E-09	9.51E-11	4.70E-09
1357	741920.46	4109581.95	6.76E-09	1.23E-08	6.76E-10	1.97E-08	1.05E-09	2.02E-09	1.01E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.88E-09	5.79E-10	9.58E-10	3.17E-11	1.57E-09
1358	741899.82	4109595.2	6.86E-09	1.25E-08	6.86E-10	2.00E-08	1.06E-09	2.05E-09	1.03E-10	3.22E-09	1.03E-09	1.76E-09	1.31E-10	2.93E-09	5.88E-10	9.73E-10	3.22E-11	1.59E-09
1359	741879.18	4109608.46	6.99E-09	1.27E-08	6.99E-10	2.04E-08	1.08E-09	2.09E-09	1.05E-10	3.28E-09	1.05E-09	1.80E-09	1.33E-10	2.98E-09	5.99E-10	9.91E-10	3.28E-11	1.62E-09
1360	741858.54	4109621.72	7.14E-09	1.30E-08	7.15E-10	2.09E-08	1.11E-09	2.13E-09	1.07E-10	3.35E-09	1.08E-09	1.84E-09	1.36E-10	3.05E-09	6.12E-10	1.01E-09	3.36E-11	1.66E-09
1361	741837.9	4109634.97	7.32E-09	1.33E-08	7.32E-10	2.14E-08	1.13E-09	2.19E-09	1.10E-10	3.43E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.27E-10	1.04E-09	3.44E-11	1.70E-09
1362	741817.26	4109648.23	7.49E-09	1.36E-08	7.49E-10	2.19E-08	1.16E-09	2.24E-09	1.12E-10	3.51E-09	1.13E-09	1.92E-09	1.43E-10	3.20E-09	6.41E-10	1.06E-09	3.52E-11	1.74E-09
1363	741796.63	4109661.49	7.63E-09	1.39E-08	7.64E-10	2.23E-08	1.18E-09	2.28E-09	1.15E-10	3.58E-09	1.15E-09	1.96E-09	1.45E-10	3.26E-09	6.54E-10	1.08E-09	3.59E-11	1.77E-09
1364	741889.35	4109493.58	4.71E-09	8.58E-09	4.71E-10	1.38E-08	7.31E-10	1.41E-09	7.07E-11	2.21E-09	7.10E-10	1.21E-09	8.98E-11	2.01E-09	4.04E-10	6.68E-10	2.21E-11	1.09E-09
1365	741912.28	4109489.35	4.79E-09	8.74E-09	4.80E-10	1.40E-08	7.43E-10	1.43E-09	7.20E-11	2.25E-09	7.23E-10	1.23E-09	9.14E-11	2.05E-09	4.11E-10	6.80E-10	2.25E-11	1.11E-09
1366	741935.21	4109485.12	4.87E-09	8.88E-09	4.88E-10	1.42E-08	7.56E-10	1.46E-09	7.31E-11	2.28E-09	7.35E-10	1.25E-09	9.29E-11	2.08E-09	4.18E-10	6.91E-10	2.29E-11	1.13E-09
1367	741958.14	4109480.9	4.95E-09	9.02E-09	4.96E-10	1.45E-08	7.68E-10	1.48E-09	7.43E-11	2.32E-09	7.47E-10	1.27E-09	9.44E-11	2.11E-09	4.24E-10	7.02E-10	2.33E-11	1.15E-09
1368	741981.08	4109476.67	5.04E-09	9.18E-09	5.04E-10	1.47E-08	7.82E-10	1.51E-09	7.56E-11	2.36E-09	7.60E-10	1.30E-09	9.60E-11	2.15E-09	4.32E-10	7.15E-10	2.37E-11	1.17E-09
1369	742004.01	4109472.44	5.13E-09	9.35E-09	5.14E-10	1.50E-08	7.96E-10	1.53E-09	7.70E-11	2.41E-09	7.74E-10	1.32E-09	9.78E-11	2.19E-09	4.40E-10	7.28E-10	2.41E-11	1.19E-09
1370	742026.94	4109468.21	5.23E-09	9.53E-09	5.23E-10	1.53E-08	8.11E-10	1.56E-09	7.85E-11	2.45E-09	7.89E-10	1.34E-09	9.97E-11	2.23E-09	4.48E-10	7.42E-10	2.46E-11	1.21E-09
1371	742049.88	4109463.99	5.32E-09	9.70E-09	5.33E-10	1.56E-08	8.26E-10	1.59E-09	7.99E-11	2.50E-09	8.03E-10	1.37E-09	1.01E-10	2.27E-09	4.56E-10	7.55E-10	2.50E-11	1.24E-09
1372	742072.81	4109459.76	5.41E-09	9.85E-09	5.41E-10	1.58E-08	8.38E-10	1.62E-09	8.12E-11	2.53E-09	8.15E-10	1.39E-09	1.03E-10	2.31E-09	4.63E-10	7.67E-10	2.54E-11	1.26E-09
1373	742095.74	4109455.53	5.48E-09	9.99E-09	5.48E-10	1.60E-08	8.50E-10	1.64E-09	8.22E-11	2.57E-09	8.26E-10	1.41E-09	1.04E-10	2.34E-09	4.70E-10	7.77E-10	2.58E-11	1.27E-09
1374	742118.68	4109451.3	5.54E-09	1.01E-08	5.55E-10	1.62E-08	8.60E-10	1.66E-09	8.32E-11	2.60E-09	8.36E-10	1.43E-09	1.06E-10	2.37E-09	4.75E-10	7.86E-10	2.61E-11	1.29E-09
1375	742141.61	4109447.07	5.60E-09	1.02E-08	5.60E-10	1.64E-08	8.69E-10	1.67E-09	8.41E-11	2.63E-09	8.45E-10	1.44E-09	1.07E-10	2.39E-09	4.80E-10	7.94E-10	2.63E-11	1.30E-09
1376	742183.86	4109455.92	6.01E-09	1.10E-08	6.02E-10	1.76E-08	9.32E-10	1.80E-09	9.02E-11	2.82E-09	9.07E-10	1.55E-09	1.15E-10	2.57E-09	5.15E-10	8.52E-10	2.83E-11	1.40E-09
1377	742203.17	4109468.99	6.40E-09	1.17E-08	6.41E-10	1.87E-08	9.93E-10	1.91E-09	9.61E-11	3.00E-09	9.65E-10	1.65E-09	1.22E-10	2.73E-09	5.49E-10	9.08E-10	3.01E-11	1.49E-09
1378	742222.48	4109482.06	6.84E-09	1.25E-08	6.84E-10	2.00E-08	1.06E-09	2.04E-09	1.03E-10	3.20E-09	1.03E-09	1.76E-09	1.30E-10	2.92E-09	5.86E-10	9.69E-10	3.21E-11	1.59E-09
1379	742241.79	4109495.13	7.34E-09	1.34E-08	7.35E-10	2.15E-08	1.14E-09	2.19E-09	1.10E-10	3.44E-09	1.11E-09	1.89E-09	1.40E-10	3.13E-09	6.29E-10	1.04E-09	3.45E-11	1.70E-09
1380	742261.1	4109508.2	7.96E-09	1.45E-08	7.96E-10	2.33E-08	1.23E-09	2.38E-09	1.19E-10	3.73E-09	1.20E-09	2.05E-09	1.52E-10	3.40E-09	6.82E-10	1.13E-09	3.74E-11	1.85E-09
1381	742280.42	4109521.27	8.71E-09	1.59E-08	8.71E-10	2.54E-08	1.35E-09	2.60E-09	1.31E-10	4.08E-09	1.31E-09	2.24E-09	1.66E-10	3.72E-09	7.46E-10	1.23E-09	4.09E-11	2.02E-09
1382	742299.73	4109534.34	9.59E-09	1.75E-08	9.60E-10	2.80E-08	1.49E-09	2.87E-09	1.44E-10	4.50E-09	1.45E-09	2.47E-09	1.83E-10	4.10E-09	8.22E-10	1.36E-09	4.51E-11	2.23E-09
1383	742319.04	4109547.41	1.06E-08	1.93E-08	1.06E-09	3.10E-08	1.64E-09	3.17E-09	1.59E-10	4.97E-09	1.60E-09	2.72E-09	2.02E-10	4.52E-09	9.08E-10	1.50E-09	4.98E-11	2.46E-09
1384	742338.35	4109560.48	1.17E-08	2.13E-08	1.17E-09	3.41E-08	1.81E-09	3.49E-09	1.75E-10	5.48E-09	1.76E-09	3.00E-09	2.23E-10	4.99E-09	1.00E-09	1.66E-09	5.49E-11	2.71E-09
1385	742357.67	4109573.55	1.28E-08	2.33E-08	1.28E-09	3.74E-08	1.98E-09	3.82E-09	1.92E-10	6.00E-09	1.93E-09	3.29E-09	2.44E-10	5.46E-09	1.10E-09	1.81E-09	6.01E-11	2.97E-09
1386	742376.98	4109586.63	1.39E-08	2.53E-08	1.39E-09	4.07E-08	2.16E-09	4.16E-09	2.09E-10	6.52E-09	2.10E-09	3.58E-09	2.65E-10	5.94E-09	1.19E-09	1.97E-09	6.54E-11	3.23E-09
1387	742396.29	4109599.7	1.51E-08	2.74E-08	1.51E-09	4.40E-08	2.33E-09	4.50E-09	2.26E-10	7.06E-09	2.27E-09	3.87E-09	2.87E-10	6.43E-09	1.29E-09	2.13E-09	7.07E-11	3.50E-09
1388	741866.41	4109497.81	4.62E-09	8.43E-09	4.63E-10	1.35E-08	7.17E-10	1.38E-09	6.94E-11	2.17E-09	6.97E-10	1.19E-09	8.81E-11	1.97E-09	3.96E-10	6.56E-10	2.17E-11	1.07E-09
1389	741845.77	4109511.06	4.69E-09	8.54E-09	4.69E-10	1.37E-08	7.27E-10	1.40E-09	7.03E-11	2.20E-09	7.07E-10	1.20E-09	8.93E-11	2.00E-09	4.01E-10	6.64E-10	2.20E-11	1.09E-09
1390	741825.14	4109524.32	4.76E-09	8.67E-09	4.76E-10	1.39E-08	7.38E-10	1.42E-09	7.14E-11	2.23E-09	7.17E-10	1.22E-09	9.07E-11	2.03E-09	4.08E-10	6.75E-10	2.24E-11	1.10E-09
1391	741804.5	4109537.58	4.85E-09	8.83E-09	4.85E-10	1.42E-08	7.52E-10	1.45E-09	7.27E-11	2.27E-09	7.31E-10	1.25E-09	9.24E-11	2.07E-09	4.15E-10	6.87E-10	2.28E-11	1.13E-09
1392	741783.86	4109550.83	4.95E-09	9.02E-09	4.95E-10	1.45E-08	7.67E-10	1.48E-09	7.43E-11	2.32E-09	7.46E-10	1.27E-09	9.43E-11	2.11E-09	4.24E-10	7.02E-10	2.33E-11	1.15E-09
1393	741763.22	4109564.09	5.05E-09	9.20E-09	5.05E-10	1.48E-08	7.83E-10	1.51E-09	7.58E-11	2.37E-09	7.61E-10	1.30E-09	9.62E-11	2.16E-09	4.33E-10	7.16E-10	2.37E-11	1.17E-09
1394	741742.58	4109577.35	5.13E-09	9.35E-09	5.14E-10	1.50E-08	7.96E-10	1.53E-09	7.70E-11	2.41E-09	7.74E-10	1.32E-09	9.78E-11	2.19E-09	4.40E-10	7.28E-10	2.41E-11	1.19E-09
1395	741835.66	4109409.38	3.45E-09	6.29E-09	3.45E-10	1.01E-08	5.35E-10	1.03E-09	5.18E-11	1.62E-09	5.20E-10	8.87E-10	6.58E-11	1.47E-09	2.96E-10	4.89E-10	1.62E-11	8.01E-10
1396	741858.95	4109405.08	3.50E-09	6.38E-09	3.50E-10	1.02E-08	5.43E-10	1.05E-09	5.25E-11	1.64E-09	5.28E-10	9.00E-10	6.67E-11	1.49E-09	3.00E-10	4.96E-10	1.64E-11	8.13E-10
1397	741882.24	4109400.79	3.55E-09	6.47E-09	3.55E-10	1.04E-08	5.50E-10	1.06E-09	5.33E-11	1.66E-09	5.35E-10	9.12E-10	6.76E-11	1.52E-09	3.04E-10	5.03E-10	1.67E-11	8.24E-10
1398	741905.53	4109396.49	3.60E-09	6.56E-09	3.60E-10	1.05E-08	5.58E-10	1.07E-09	5.40E-11	1.69E-09	5.42E-10	9.25E-10	6.85E-11	1.54E-09	3.08E-10	5.10E-10	1.69E-11	8.35E-10
1399	741928.83	4109392.2	3.64E-09	6.64E-09	3.65E-10	1.07E-08	5.65E-10	1.09E-09	5.47E-11	1.71E-09	5.50E-10	9.37E-10	6.95E-11	1.56E-09	3.12E-10	5.17E-10	1.71E-11	8.46E-10
1400	741952.12	4109387.91	3.69E-09	6.73E-09	3.70E-10	1.08E-08	5.73E-10	1.10E-09	5.55E-11	1.73E-09	5.57E-10	9.50E-10	7.04E-11	1.58E-09	3.17E-10	5.24E-10	1.74E-11	8.58E-10
1401	741975.41	4109383.61	3.75E-09	6.83E-09	3.75E-10	1.10E-08	5.82E-10	1.12E-09	5.63E-11	1.76E-09	5.66E-10	9.64E-10	7.15E-11	1.60E-09	3.21E-10	5.32E-10	1.76E-11	8.71E-10
1402	741998.7	4109379.32	3.81E-09	6.95E-09	3.82E-10	1.11E-08	5.91E-10	1.14E-09	5.72E-11	1.79E-09	5.75E-10	9.80E-10	7.27E-11	1.63E-09	3.27E-10	5.41E-10	1.79E-11	8.85E-10
1403	742021.99	4109375.02	3.88E-09	7.07E-09	3.88E-10	1.13E-08	6.02E-10	1.16E-09	5.83E-11	1.82E-09	5.85E-10	9.98E-10	7.40E-11	1.66E-09	3.33E-10	5.50E-10	1.82E-11	9.01E-10
1404	742045.28	4109370.73	3.95E-09	7.20E-09	3.95E-10	1.15E-08	6.12E-10	1.18E-09	5.93E-11	1.85E-09	5.96E-10	1.02E-09	7.53E-11	1.69E-09	3.38E-10	5.60E-10	1.86E-11	9.17E-10
1405	742068.57	4109366.44	4.01E-09	7.31E-09	4.01E-10	1.17E-08	6.22E-10	1.20E-09	6.02E-11	1.88E-09	6.05E-10	1.03E-09	7.64E-11	1.71E-09	3.44E-10	5.69E-10	1.88E-11	9.31E-10
1406	742091.87	4109362.14	4.07E-09	7.41E-09	4.07E-10	1.19E-08	6.31E-10	1.21E-09	6.10E-11	1.91E-09	6.13E-10	1.05E-09	7.75E-11	1.74E-09	3.48E-10	5.77E-10	1.91E-11	9.44E-10
1407	742115.16	4109357.85	4.11E-09	7.50E-09	4.12E-10	1.20E-08	6.38E-10	1.23E-09	6.18E-11	1.93E-09	6.20E-10	1.06E-09	7.84E-11	1.76E-09	3.53E-10	5.83E-10	1.93E-11	9.55E-10
1408	742138.45	4109353.55	4.16E-09	7.57E-09	4.16E-10	1.21E-08	6.45E-10	1.24E-09	6.24E-11	1.95E-09	6.27E-10	1.07E-09	7.92E-11	1.77E-09	3.56E-10	5.89E-10	1.95E-11	9.65E-10
1409	742161.74	4109349.26	4.19E-09	7.64E-09	4.20E-10	1.23E-08	6.50E-10	1.25E-09	6.29E-11	1.97E-09	6.32E-10	1.08E-09	7.99E-11	1.79E-09	3.59E-10	5.95E-10	1.97E-11	9.74E-10
1410	742204.65	4109358.24	4.44E-09	8.10E-09	4.45E-10	1.30E-08	6.89E-10	1.33E-09	6.67E-11	2.08E-09	6.70E-10	1.14E-09	8.47E-11	1.90E-09	3.81E-10	6.30E-10	2.09E-11	1.03E-09
1411	742224.26	4109371.52	4.67E-09	8.51E-09	4.67E-10	1.36E-08	7.24E-10	1.39E-09	7.01E-11	2.19E-09	7.04E-10	1.20E-09	8.90E-11	1.99E-09	4.00E-10	6.62E-10	2.19E-11	1.08E-09
1412	742243.87	4109384.79	4.90E-09	8.93E-09	4.91E-10	1.43E-08	7.60E-10	1.46E-09	7.36E-11	2.30E-09	7.39E-10	1.26E-09	9.34E-11	2.09E-09	4.20E-10	6.95E-10	2.30E-11	1.14E-09
1413	742263.49	4109398.07	5.16E-09	9.41E-09	5.16E-10	1.51E-08	8.00E-10	1.54E-09	7.75E-11	2.42E-09	7.78E-10	1.33E-09	9.84E-11	2.20E-09	4.42E-10	7.32E-10	2.43E-11	1.20E-09
1414	742283.1	4109411.34	5.46E-09	9.95E-09	5.47E-10	1.60E-08	8.47E-10	1.63E-09	8.20E-11	2.56E-09	8.24E-10	1.40E-09	1.04E-10	2.33E-09	4.68E-10	7.75E-10	2.57E-11	1.27E-09
1415	742302.72	4109424.62	5.83E-09	1.06E-08	5.83E-10	1.70E-08	9.04E-10	1.74E-09	8.75E-11	2.73E-09	8.79E-10	1.50E-09	1.11E-10	2.49E-09	5.00E-10	8.27E-10	2.74E-11	1.35E-09
1416	742322.33	4109437.89	6.27E-09	1.14E-08	6.28E-10	1.83E-08	9.73E-10	1.87E-09	9.42E-11	2.94E-09	9.46E-10	1.61E-09	1.20E-10	2.68E-09	5.38E-10	8.90E-10	2.95E-11	1.46E-09
1417	742341.94	4109451.17	6.80E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.03E-09	1.75E-09	1.30E-10	2.90E-09	5.83E-10	9.64E-10	3.20E-11	1.58E-09
1418	742361.56	4109464.44	7.40E-09	1.35E-08	7.40E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.47E-09	1.12E-09	1.90E-09	1.41E-10	3.16E-09	6.34E-10	1.05E-09	3.48E-11	1.72E-09
1419	742381.17	4109477.72	8.05E-09	1.47E-08	8.05E-10	2.35E-08	1.25E-09	2.40E-09	1.21E-10	3.77E-09	1.21E-09	2.07E-09	1.53E-10	3.44E-09	6.90E-10	1.14E-09	3.78E-11	1.87E-09
1420	742400.79	4109490.99	8.73E-09	1.59E-08	8.74E-10	2.55E-08	1.35E-09	2.61E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.66E-10	3.73E-09	7.48E-10	1.24E-09	4.10E-11	2.03E-09
1421	742420.4	4109504.27	9.45E-09	1.72E-08	9.45E-10	2.76E-08	1.47E-09	2.82E-09	1.42E-10	4.43E-09	1.42E-09	2.43E-09	1.80E-10	4.03E-09	8.10E-10	1.34E-09	4.44E-11	2.19E-09
1422	742440.01	4109517.54	1.02E-08	1.85E-08	1.02E-09	2.97E-08	1.58E-09	3.04E-09	1.53E-10	4.77E-09	1.53E-09	2.62E-09	1.94E-10	4.35E-09	8.72E-10	1.44E-09	4.78E-11	2.36E-09
1423	742459.63	4109530.82	1.09E-08	1.99E-08	1.09E-09	3.20E-08	1.70E-09	3.27E-09	1.64E-10	5.13E-09	1.65E-09	2.81E-09	2.08E-10	4.67E-09	9.37E-10	1.55E-09	5.14E-11	2.54E-09
1424	742479.24	4109544.09	1.17E-08	2.13E-08	1.17E-09	3.42E-08	1.81E-09	3.50E-09	1.76E-10	5.49E-09	1.76E-09	3.01E-09	2.23E-10	5.00E-09	1.00E-09	1.66E-09	5.50E-11	2.72E-09
1425	741812.37	4109413.67	3.40E-09	6.20E-09	3.40E-10	9.94E-09	5.28E-10	1.02E-09	5.11E-11	1.60E-09	5.13E-10	8.75E-10	6.48E-11	1.45E-09	2.92E-10	4.82E-10	1.60E-11	7.90E-10
1426	741791.73	4109426.93	3.45E-09	6.29E-09	3.45E-10	1.01E-08	5.35E-10	1.03E-09	5.18E-11	1.62E-09	5.20E-10	8.87E-10	6.57E-11	1.47E-09	2.96E-10	4.89E-10	1.62E-11	8.01E-10
1427	741771.09	4109440.18	3.50E-09	6.38E-09	3.50E-10	1.02E-08	5.43E-10	1.05E-09	5.26E-11	1.64E-09	5.28E-10	9.00E-10	6.67E-11	1.50E-09	3.00E-10	4.97E-10	1.65E-11	8.13E-10
1428	741750.45	4109453.44	3.56E-09	6.49E-09	3.56E-10	1.04E-08	5.52E-10	1.06E-09	5.34E-11	1.67E-09	5.37E-10	9.15E-10	6.78E-11	1.52E-09	3.05E-10	5.05E-10	1.67E-11	8.26E-10
1429	741729.81	4109466.7	3.63E-09	6.61E-09	3.63E-10	1.06E-08	5.62E-10	1.08E-09	5.44E-11	1.70E-09	5.47E-10	9.32E-10	6.91E-11	1.55E-09	3.11E-10	5.14E-10	1.70E-11	8.42E-10
1430	741709.18	4109479.95	3.69E-09	6.73E-09	3.69E-10	1.08E-08	5.73E-10	1.10E-09	5.54E-11	1.73E-09	5.57E-10	9.49E-10	7.04E-11	1.58E-09	3.16E-10	5.24E-10	1.74E-11	8.57E-10
1431	741688.54	4109493.21	3.75E-09	6.83E-09	3.75E-10	1.10E-08	5.82E-10	1.12E-09	5.63E-11	1.76E-09	5.66E-10	9.64E-10	7.15E-11	1.60E-09	3.21E-10	5.32E-10	1.76E-11	8.71E-10
1432	741781.86	4109325.19	2.66E-09	4.84E-09	2.66E-10	7.77E-09	4.12E-10	7.94E-10	3.99E-11	1.25E-09	4.01E-10	6.83E-10	5.07E-11	1.14E-09	2.28E-10	3.77E-10	1.25E-11	6.17E-10
1433	741805.4	4109320.85	2.69E-09	4.89E-09	2.69E-10	7.85E-09	4.16E-10	8.02E-10	4.03E-11	1.26E-09	4.05E-10	6.90E-10	5.12E-11	1.15E-09	2.30E-10	3.81E-10	1.26E-11	6.24E-10
1434	741828.93	4109316.51	2.71E-09	4.95E-09	2.72E-10	7.93E-09	4.21E-10	8.11E-10	4.07E-11	1.27E-09	4.09E-10	6.98E-10	5.17E-11	1.16E-09	2.33E-10	3.85E-10	1.28E-11	6.30E-10
1435	741852.47	4109312.18	2.75E-09	5.01E-09	2.75E-10	8.03E-09	4.26E-10	8.21E-10	4.12E-11	1.29E-09	4.14E-10	7.06E-10	5.23E-11	1.17E-09	2.35E-10	3.90E-10	1.29E-11	6.38E-10
1436	741876.01	4109307.84	2.78E-09	5.07E-09	2.79E-10	8.14E-09	4.32E-10	8.32E-10	4.18E-11	1.31E-09	4.20E-10	7.16E-10	5.31E-11	1.19E-09	2.39E-10	3.95E-10	1.31E-11	6.46E-10

1437	741899.54	4109303.5	2.82E-09	5.15E-09	2.83E-10	8.25E-09	4.38E-10	8.44E-10	4.24E-11	1.32E-09	4.26E-10	7.26E-10	5.38E-11	1.21E-09	2.42E-10	4.00E-10	1.33E-11	6.56E-10
1438	741923.08	4109299.16	2.86E-09	5.21E-09	2.86E-10	8.36E-09	4.44E-10	8.55E-10	4.30E-11	1.34E-09	4.32E-10	7.36E-10	5.45E-11	1.22E-09	2.45E-10	4.06E-10	1.34E-11	6.64E-10
1439	741946.62	4109294.82	2.90E-09	5.28E-09	2.90E-10	8.47E-09	4.50E-10	8.66E-10	4.35E-11	1.36E-09	4.37E-10	7.45E-10	5.53E-11	1.24E-09	2.48E-10	4.11E-10	1.36E-11	6.73E-10
1440	741970.15	4109290.48	2.94E-09	5.35E-09	2.94E-10	8.58E-09	4.56E-10	8.78E-10	4.41E-11	1.38E-09	4.43E-10	7.55E-10	5.60E-11	1.25E-09	2.52E-10	4.17E-10	1.38E-11	6.82E-10
1441	741993.69	4109286.14	2.98E-09	5.43E-09	2.98E-10	8.70E-09	4.62E-10	8.90E-10	4.47E-11	1.40E-09	4.49E-10	7.66E-10	5.68E-11	1.27E-09	2.55E-10	4.22E-10	1.40E-11	6.92E-10
1442	742017.23	4109281.8	3.02E-09	5.51E-09	3.02E-10	8.83E-09	4.69E-10	9.03E-10	4.54E-11	1.42E-09	4.56E-10	7.77E-10	5.76E-11	1.29E-09	2.59E-10	4.29E-10	1.42E-11	7.02E-10
1443	742040.76	4109277.46	3.07E-09	5.59E-09	3.07E-10	8.96E-09	4.76E-10	9.16E-10	4.60E-11	1.44E-09	4.63E-10	7.89E-10	5.85E-11	1.31E-09	2.63E-10	4.35E-10	1.44E-11	7.12E-10
1444	742064.3	4109273.12	3.11E-09	5.67E-09	3.11E-10	9.09E-09	4.83E-10	9.30E-10	4.67E-11	1.46E-09	4.69E-10	8.00E-10	5.93E-11	1.33E-09	2.67E-10	4.41E-10	1.46E-11	7.22E-10
1445	742087.84	4109268.78	3.15E-09	5.75E-09	3.15E-10	9.21E-09	4.89E-10	9.42E-10	4.73E-11	1.48E-09	4.75E-10	8.10E-10	6.01E-11	1.35E-09	2.70E-10	4.47E-10	1.48E-11	7.32E-10
1446	742111.37	4109264.45	3.19E-09	5.81E-09	3.19E-10	9.32E-09	4.95E-10	9.53E-10	4.79E-11	1.50E-09	4.81E-10	8.20E-10	6.08E-11	1.36E-09	2.73E-10	4.52E-10	1.50E-11	7.41E-10
1447	742134.91	4109260.11	3.23E-09	5.88E-09	3.23E-10	9.43E-09	5.00E-10	9.64E-10	4.84E-11	1.51E-09	4.87E-10	8.29E-10	6.15E-11	1.38E-09	2.76E-10	4.58E-10	1.52E-11	7.49E-10
1448	742158.45	4109255.77	3.26E-09	5.94E-09	3.26E-10	9.52E-09	5.05E-10	9.73E-10	4.89E-11	1.53E-09	4.91E-10	8.38E-10	6.21E-11	1.39E-09	2.79E-10	4.62E-10	1.53E-11	7.56E-10
1449	742181.98	4109251.43	3.29E-09	5.99E-09	3.29E-10	9.60E-09	5.10E-10	9.82E-10	4.93E-11	1.54E-09	4.96E-10	8.45E-10	6.26E-11	1.40E-09	2.82E-10	4.66E-10	1.54E-11	7.63E-10
1450	742225.34	4109260.5	3.46E-09	6.30E-09	3.46E-10	1.01E-08	5.36E-10	1.03E-09	5.19E-11	1.62E-09	5.21E-10	8.89E-10	6.59E-11	1.48E-09	2.96E-10	4.90E-10	1.62E-11	8.03E-10
1451	742245.16	4109273.92	3.60E-09	6.57E-09	3.61E-10	1.05E-08	5.59E-10	1.08E-09	5.41E-11	1.69E-09	5.43E-10	9.26E-10	6.87E-11	1.54E-09	3.09E-10	5.11E-10	1.69E-11	8.37E-10
1452	742264.98	4109287.33	3.75E-09	6.83E-09	3.75E-10	1.09E-08	5.81E-10	1.12E-09	5.62E-11	1.76E-09	5.65E-10	9.63E-10	7.14E-11	1.60E-09	3.21E-10	5.31E-10	1.76E-11	8.70E-10
1453	742284.8	4109300.75	3.89E-09	7.09E-09	3.90E-10	1.14E-08	6.04E-10	1.16E-09	5.84E-11	1.83E-09	5.87E-10	1.00E-09	7.42E-11	1.66E-09	3.34E-10	5.52E-10	1.83E-11	9.04E-10
1454	742304.62	4109314.16	4.06E-09	7.39E-09	4.06E-10	1.19E-08	6.29E-10	1.21E-09	6.09E-11	1.90E-09	6.12E-10	1.04E-09	7.73E-11	1.73E-09	3.48E-10	5.75E-10	1.91E-11	9.42E-10
1455	742324.44	4109327.58	4.25E-09	7.74E-09	4.25E-10	1.24E-08	6.59E-10	1.27E-09	6.38E-11	1.99E-09	6.41E-10	1.09E-09	8.10E-11	1.81E-09	3.64E-10	6.03E-10	2.00E-11	9.87E-10
1456	742344.26	4109340.99	4.48E-09	8.17E-09	4.49E-10	1.31E-08	6.95E-10	1.34E-09	6.73E-11	2.10E-09	6.76E-10	1.15E-09	8.55E-11	1.91E-09	3.84E-10	6.36E-10	2.11E-11	1.04E-09
1457	742364.08	4109354.41	4.77E-09	8.69E-09	4.77E-10	1.39E-08	7.39E-10	1.42E-09	7.15E-11	2.23E-09	7.19E-10	1.23E-09	9.08E-11	2.03E-09	4.08E-10	6.76E-10	2.24E-11	1.11E-09
1458	742383.9	4109367.82	5.10E-09	9.29E-09	5.10E-10	1.49E-08	7.90E-10	1.52E-09	7.65E-11	2.39E-09	7.68E-10	1.31E-09	9.71E-11	2.18E-09	4.37E-10	7.23E-10	2.39E-11	1.18E-09
1459	742403.72	4109381.24	5.47E-09	9.97E-09	5.47E-10	1.60E-08	8.48E-10	1.63E-09	8.21E-11	2.56E-09	8.25E-10	1.41E-09	1.04E-10	2.34E-09	4.69E-10	7.76E-10	2.57E-11	1.27E-09
1460	742423.54	4109394.65	5.88E-09	1.07E-08	5.89E-10	1.72E-08	9.12E-10	1.76E-09	8.83E-11	2.76E-09	8.87E-10	1.51E-09	1.12E-10	2.51E-09	5.04E-10	8.34E-10	2.76E-11	1.37E-09
1461	742443.37	4109408.07	6.33E-09	1.15E-08	6.33E-10	1.85E-08	9.81E-10	1.89E-09	9.50E-11	2.97E-09	9.54E-10	1.63E-09	1.21E-10	2.70E-09	5.42E-10	8.97E-10	2.97E-11	1.47E-09
1462	742463.19	4109421.48	6.80E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.03E-09	1.75E-09	1.30E-10	2.90E-09	5.83E-10	9.64E-10	3.20E-11	1.58E-09
1463	742483.01	4109434.9	7.30E-09	1.33E-08	7.31E-10	2.13E-08	1.13E-09	2.18E-09	1.10E-10	3.42E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.26E-10	1.04E-09	3.43E-11	1.70E-09
1464	742502.83	4109448.31	7.83E-09	1.43E-08	7.83E-10	2.29E-08	1.21E-09	2.34E-09	1.17E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.71E-10	1.11E-09	3.68E-11	1.82E-09
1465	742522.65	4109461.73	8.35E-09	1.52E-08	8.36E-10	2.44E-08	1.30E-09	2.50E-09	1.25E-10	3.92E-09	1.26E-09	2.15E-09	1.59E-10	3.57E-09	7.16E-10	1.18E-09	3.93E-11	1.94E-09
1466	742542.47	4109475.14	8.86E-09	1.61E-08	8.87E-10	2.59E-08	1.37E-09	2.65E-09	1.33E-10	4.15E-09	1.34E-09	2.28E-09	1.69E-10	3.78E-09	7.59E-10	1.26E-09	4.16E-11	2.06E-09
1467	742562.29	4109488.56	9.34E-09	1.70E-08	9.34E-10	2.73E-08	1.45E-09	2.79E-09	1.40E-10	4.38E-09	1.41E-09	2.40E-09	1.78E-10	3.99E-09	8.00E-10	1.32E-09	4.39E-11	2.17E-09
1468	741758.32	4109329.53	2.63E-09	4.80E-09	2.63E-10	7.69E-09	4.08E-10	7.86E-10	3.95E-11	1.23E-09	3.97E-10	6.77E-10	5.02E-11	1.12E-09	2.26E-10	3.73E-10	1.24E-11	6.11E-10
1469	741737.68	4109342.79	2.67E-09	4.86E-09	2.67E-10	7.80E-09	4.14E-10	7.97E-10	4.00E-11	1.25E-09	4.02E-10	6.86E-10	5.08E-11	1.14E-09	2.29E-10	3.78E-10	1.25E-11	6.19E-10
1470	741717.05	4109356.05	2.71E-09	4.93E-09	2.71E-10	7.91E-09	4.20E-10	8.09E-10	4.06E-11	1.27E-09	4.08E-10	6.96E-10	5.16E-11	1.16E-09	2.32E-10	3.84E-10	1.27E-11	6.29E-10
1471	741696.41	4109369.3	2.75E-09	5.02E-09	2.75E-10	8.04E-09	4.27E-10	8.22E-10	4.13E-11	1.29E-09	4.15E-10	7.08E-10	5.25E-11	1.18E-09	2.36E-10	3.90E-10	1.29E-11	6.39E-10
1472	741675.77	4109382.56	2.80E-09	5.11E-09	2.80E-10	8.19E-09	4.35E-10	8.37E-10	4.21E-11	1.31E-09	4.23E-10	7.20E-10	5.34E-11	1.20E-09	2.40E-10	3.97E-10	1.32E-11	6.51E-10
1473	741655.13	4109395.82	2.85E-09	5.20E-09	2.85E-10	8.34E-09	4.42E-10	8.52E-10	4.28E-11	1.34E-09	4.30E-10	7.33E-10	5.44E-11	1.22E-09	2.44E-10	4.04E-10	1.34E-11	6.62E-10
1474	741634.49	4109409.07	2.90E-09	5.28E-09	2.90E-10	8.46E-09	4.49E-10	8.65E-10	4.35E-11	1.36E-09	4.37E-10	7.45E-10	5.52E-11	1.24E-09	2.48E-10	4.11E-10	1.36E-11	6.73E-10
1475	741727.99	4109241.02	2.12E-09	3.87E-09	2.13E-10	6.21E-09	3.30E-10	6.35E-10	3.19E-11	9.96E-10	3.20E-10	5.46E-10	4.05E-11	9.07E-10	1.82E-10	3.01E-10	9.99E-12	4.93E-10
1476	741751.71	4109236.65	2.14E-09	3.90E-09	2.14E-10	6.26E-09	3.32E-10	6.40E-10	3.22E-11	1.00E-09	3.23E-10	5.51E-10	4.08E-11	9.15E-10	1.84E-10	3.04E-10	1.01E-11	4.98E-10
1477	741775.42	4109232.28	2.16E-09	3.94E-09	2.16E-10	6.32E-09	3.35E-10	6.46E-10	3.25E-11	1.01E-09	3.26E-10	5.56E-10	4.12E-11	9.23E-10	1.85E-10	3.07E-10	1.02E-11	5.02E-10
1478	741799.14	4109227.91	2.18E-09	3.98E-09	2.18E-10	6.38E-09	3.38E-10	6.52E-10	3.27E-11	1.02E-09	3.29E-10	5.61E-10	4.16E-11	9.31E-10	1.87E-10	3.09E-10	1.03E-11	5.07E-10
1479	741822.85	4109223.53	2.20E-09	4.02E-09	2.21E-10	6.44E-09	3.42E-10	6.59E-10	3.31E-11	1.03E-09	3.32E-10	5.67E-10	4.20E-11	9.41E-10	1.89E-10	3.13E-10	1.04E-11	5.12E-10
1480	741846.57	4109219.16	2.23E-09	4.07E-09	2.23E-10	6.52E-09	3.46E-10	6.67E-10	3.35E-11	1.05E-09	3.37E-10	5.74E-10	4.25E-11	9.53E-10	1.91E-10	3.17E-10	1.05E-11	5.18E-10
1481	741870.28	4109214.79	2.26E-09	4.12E-09	2.26E-10	6.61E-09	3.51E-10	6.76E-10	3.40E-11	1.06E-09	3.41E-10	5.82E-10	4.31E-11	9.66E-10	1.94E-10	3.21E-10	1.06E-11	5.26E-10
1482	741894	4109210.42	2.30E-09	4.18E-09	2.30E-10	6.71E-09	3.56E-10	6.86E-10	3.45E-11	1.08E-09	3.46E-10	5.90E-10	4.37E-11	9.80E-10	1.97E-10	3.26E-10	1.08E-11	5.33E-10
1483	741917.71	4109206.05	2.33E-09	4.24E-09	2.33E-10	6.80E-09	3.61E-10	6.96E-10	3.49E-11	1.09E-09	3.51E-10	5.99E-10	4.44E-11	9.94E-10	2.00E-10	3.30E-10	1.09E-11	5.41E-10
1484	741941.43	4109201.67	2.36E-09	4.29E-09	2.36E-10	6.89E-09	3.65E-10	7.04E-10	3.54E-11	1.10E-09	3.55E-10	6.06E-10	4.49E-11	1.01E-09	2.02E-10	3.34E-10	1.11E-11	5.47E-10
1485	741965.14	4109197.3	2.38E-09	4.34E-09	2.38E-10	6.96E-09	3.70E-10	7.12E-10	3.58E-11	1.12E-09	3.59E-10	6.13E-10	4.54E-11	1.02E-09	2.04E-10	3.38E-10	1.12E-11	5.53E-10
1486	741988.86	4109192.93	2.41E-09	4.39E-09	2.41E-10	7.04E-09	3.74E-10	7.20E-10	3.62E-11	1.13E-09	3.63E-10	6.19E-10	4.59E-11	1.03E-09	2.06E-10	3.42E-10	1.13E-11	5.59E-10
1487	742012.57	4109188.56	2.44E-09	4.44E-09	2.44E-10	7.12E-09	3.78E-10	7.28E-10	3.66E-11	1.14E-09	3.68E-10	6.27E-10	4.64E-11	1.04E-09	2.09E-10	3.46E-10	1.15E-11	5.66E-10
1488	742036.29	4109184.19	2.47E-09	4.50E-09	2.47E-10	7.21E-09	3.83E-10	7.37E-10	3.70E-11	1.16E-09	3.72E-10	6.34E-10	4.70E-11	1.05E-09	2.11E-10	3.50E-10	1.16E-11	5.73E-10
1489	742060	4109179.81	2.50E-09	4.55E-09	2.50E-10	7.30E-09	3.87E-10	7.46E-10	3.75E-11	1.17E-09	3.77E-10	6.42E-10	4.76E-11	1.07E-09	2.14E-10	3.54E-10	1.17E-11	5.80E-10
1490	742083.72	4109175.44	2.53E-09	4.61E-09	2.53E-10	7.39E-09	3.92E-10	7.55E-10	3.79E-11	1.19E-09	3.81E-10	6.50E-10	4.82E-11	1.08E-09	2.17E-10	3.58E-10	1.19E-11	5.87E-10
1491	742107.43	4109171.07	2.56E-09	4.66E-09	2.56E-10	7.47E-09	3.96E-10	7.64E-10	3.84E-11	1.20E-09	3.85E-10	6.57E-10	4.87E-11	1.09E-09	2.19E-10	3.62E-10	1.20E-11	5.94E-10
1492	742131.15	4109166.7	2.59E-09	4.71E-09	2.59E-10	7.55E-09	4.01E-10	7.72E-10	3.88E-11	1.21E-09	3.90E-10	6.65E-10	4.93E-11	1.10E-09	2.22E-10	3.67E-10	1.21E-11	6.00E-10
1493	742154.86	4109162.33	2.61E-09	4.76E-09	2.61E-10	7.63E-09	4.05E-10	7.80E-10	3.92E-11	1.22E-09	3.94E-10	6.72E-10	4.98E-11	1.12E-09	2.24E-10	3.70E-10	1.23E-11	6.06E-10
1494	742178.58	4109157.95	2.64E-09	4.81E-09	2.64E-10	7.71E-09	4.09E-10	7.88E-10	3.96E-11	1.24E-09	3.98E-10	6.78E-10	5.03E-11	1.13E-09	2.26E-10	3.74E-10	1.24E-11	6.13E-10
1495	742202.29	4109153.58	2.66E-09	4.85E-09	2.66E-10	7.78E-09	4.13E-10	7.95E-10	4.00E-11	1.25E-09	4.01E-10	6.84E-10	5.07E-11	1.14E-09	2.28E-10	3.78E-10	1.25E-11	6.18E-10
1496	742245.98	4109162.73	2.79E-09	5.08E-09	2.79E-10	8.15E-09	4.32E-10	8.33E-10	4.19E-11	1.31E-09	4.21E-10	7.17E-10	5.31E-11	1.19E-09	2.39E-10	3.95E-10	1.31E-11	6.47E-10
1497	742265.95	4109176.24	2.89E-09	5.27E-09	2.89E-10	8.45E-09	4.48E-10	8.64E-10	4.34E-11	1.36E-09	4.36E-10	7.43E-10	5.51E-11	1.23E-09	2.48E-10	4.10E-10	1.36E-11	6.71E-10
1498	742285.92	4109189.76	2.99E-09	5.44E-09	2.99E-10	8.73E-09	4.63E-10	8.92E-10	4.48E-11	1.40E-09	4.50E-10	7.68E-10	5.69E-11	1.28E-09	2.56E-10	4.24E-10	1.40E-11	6.94E-10
1499	742305.89	4109203.28	3.08E-09	5.61E-09	3.08E-10	9.00E-09	4.78E-10	9.20E-10	4.62E-11	1.44E-09	4.65E-10	7.92E-10	5.87E-11	1.32E-09	2.64E-10	4.37E-10	1.45E-11	7.15E-10
1500	742325.86	4109216.79	3.18E-09	5.79E-09	3.18E-10	9.29E-09	4.93E-10	9.50E-10	4.77E-11	1.49E-09	4.79E-10	8.17E-10	6.06E-11	1.36E-09	2.72E-10	4.51E-10	1.49E-11	7.38E-10
1501	742345.83	4109230.31	3.29E-09	5.99E-09	3.29E-10	9.61E-09	5.10E-10	9.83E-10	4.94E-11	1.54E-09	4.96E-10	8.46E-10	6.27E-11	1.40E-09	2.82E-10	4.66E-10	1.55E-11	7.64E-10
1502	742365.8	4109243.83	3.42E-09	6.24E-09	3.42E-10	1.00E-08	5.31E-10	1.02E-09	5.14E-11	1.60E-09	5.16E-10	8.80E-10	6.52E-11	1.46E-09	2.93E-10	4.85E-10	1.61E-11	7.95E-10
1503	742385.77	4109257.34	3.58E-09	6.52E-09	3.58E-10	1.05E-08	5.55E-10	1.07E-09	5.37E-11	1.68E-09	5.40E-10	9.20E-10	6.82E-11	1.53E-09	3.07E-10	5.08E-10	1.68E-11	8.31E-10
1504	742405.74	4109270.86	3.77E-09	6.86E-09	3.77E-10	1.10E-08	5.84E-10	1.13E-09	5.65E-11	1.77E-09	5.68E-10	9.68E-10	7.18E-11	1.61E-09	3.23E-10	5.34E-10	1.77E-11	8.74E-10
1505	742425.71	4109284.38	3.98E-09	7.25E-09	3.98E-10	1.16E-08	6.17E-10	1.19E-09	5.97E-11	1.87E-09	6.00E-10	1.02E-09	7.59E-11	1.70E-09	3.41E-10	5.64E-10	1.87E-11	9.24E-10
1506	742445.69	4109297.89	4.22E-09	7.70E-09	4.23E-10	1.23E-08	6.55E-10	1.26E-09	6.34E-11	1.98E-09	6.37E-10	1.09E-09	8.05E-11	1.80E-09	3.62E-10	5.99E-10	1.98E-11	9.81E-10
1507	742465.66	4109311.41	4.49E-09	8.19E-09	4.50E-10	1.31E-08	6.97E-10	1.34E-09	6.74E-11	2.11E-09	6.78E-10	1.16E-09	8.56E-11	1.92E-09	3.85E-10	6.37E-10	2.11E-11	1.04E-09
1508	742485.63	4109324.92	4.80E-09	8.74E-09	4.80E-10	1.40E-08	7.44E-10	1.43E-09	7.20E-11	2.25E-09	7.23E-10	1.23E-09	9.14E-11	2.05E-09	4.11E-10	6.80E-10	2.25E-11	1.11E-09
1509	742505.6	4109338.44	5.13E-09	9.35E-09	5.13E-10	1.50E-08	7.96E-10	1.53E-09	7.70E-11	2.41E-09	7.74E-10	1.32E-09	9.78E-11	2.19E-09	4.40E-10	7.27E-10	2.41E-11	1.19E-09
1510	742525.57	4109351.96	5.49E-09	1.00E-08	5.49E-10	1.60E-08	8.51E-10	1.64E-09	8.24E-11	2.57E-09	8.28E-10	1.41E-09	1.05E-10	2.34E-09	4.70E-10	7.78E-10	2.58E-11	1.27E-09
1511	742545.54	4109365.47	5.86E-09	1.07E-08	5.87E-10	1.71E-08	9.09E-10	1.75E-09	8.80E-11	2.75E-09	8.84E-10	1.51E-09	1.12E-10	2.50E-09	5.02E-10	8.31E-10	2.75E-11	1.36E-09
1512	742565.51	4109378.99	6.24E-09	1.14E-08	6.24E-10	1.82E-08	9.68E-10	1.86E-09	9.36E-11	2.92E-09	9.41E-10	1.60E-09	1.19E-10	2.66E-09	5.35E-10	8.85E-10	2.93E-11	1.45E-09
1513	742585.48	4109392.51	6.61E-09	1.20E-08	6.61E-10	1.93E-08	1.02E-09	1.97E-09	9.92E-11	3.10E-09	9.97E-10	1.70E-09	1.26E-10	2.82E-09	5.66E-10	9.37E-10	3.11E-11	1.53E-09
1514	742605.45	4109406.02	6.97E-09	1.27E-08	6.97E-10	2.04E-08	1.08E-09	2.08E-09	1.05E-10	3.27E-09	1.05E-09	1.79E-09	1.33E-10	2.98E-09	5.97E-10	9.88E-10	3.28E-11	1.62E-09
1515	742625.42	4109419.54	7.30E-09	1.33E-08	7.31E-10	2.13E-08	1.13E-09	2.18E-09	1.10E-10	3.42E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.26E-10	1.04E-09	3.43E-11	1.70E-09
1516	742645.39	4109433.06	7.59E-09	1.38E-08	7.60E-10	2.22E-08	1.18E-09	2.27E-09	1.14E-10	3.56E-09	1.15E-09	1.95E-09	1.45E-10	3.24E-09	6.51E-10	1.08E-09	3.57E-11	1.76E-09
1517	741704.28	4109245.39	2.11E-09	3.84E-09	2.11E-10	6.16E-09	3.27E-10	6.30E-10	3.16E-11	9.88E-10	3.18E-10	5.42E-10	4.02E-11	9.00E-10	1.81E-10	2.99E-10	9.91E-12	4.89E-10
1518	741683.64	4109258.65	2.14E-09	3.89E-09	2.14E-10	6.24E-09	3.31E-10	6.38E-10	3.21E-11	1.00E-09	3.22E-10	5.49E-10	4.07E-11	9.12E-10	1.83E-10	3.03E-10	1.00E-11	4.96E-10
1519	741663	4109271.91	2.17E-09	3.95E-09	2.17E-10	6.34E-09	3.36E-10	6.48E-10	3.25E-11	1.02E-09	3.27E-10	5.57E-10	4.13E-11	9.26E-10	1.86E-10	3.07E-10	1.02E-11	5.03E-10
1520	741642.36	4109285.16	2.21E-09	4.02E-09	2.21E-10	6.45E-09	3.42E-10	6.59E-10	3.31E-11	1.03E-09	3.33E-10	5.67E-10	4.20E-11	9.42E-10	1.89E-10	3.13E-10	1.04E-11	5.12E-10
1521	741621.73	4109298.42	2.25E-09	4.10E-09	2.25E-10	6.57E-09	3.49E-10	6.71E-10	3.37E-11	1.05E-09	3.39E-10	5.78E-10	4.28E-11	9.60E-10	1.93E-10	3.19E-10	1.06E-11	5.22E-10
1522	741601.09	4109311.68	2.29E-09	4.17E-09	2.29E-10	6.69E-09	3.55E-10	6.84E-10	3.43E-11	1.07E-09	3.45E-10	5.88E-10	4.36E-11	9.77E-10	1.96E-10	3.24E-10	1.08E-11	5.31E-10
1523	741580.45	4109324.93	2.32E-09	4.24E-09	2.33E-10	6.79E-09	3.60E-10	6.94E-10	3.49E-11	1.09E-09	3.51E-10	5.98E-10	4.43E-11	9.92E-10	1.99E-10	3.30E-10	1.09E-11	5.40E-10
1524	741620.15	4109072.7	1.46E-09	2.67E-09	1.47E-10	4.28E-09	2.27E-10	4.38E-10	2.20E-11	6.87E-10	2.21E-10	3.76E-10	2.79E-11	6.25E-10	1.25E-10	2.08E-10	6.88E-12	3.40E-10
1525	741644.1	4109068.29	1.47E-09	2.68E-09	1.47E-10	4.31E-09	2.29E-10	4.40E-10	2.21E-11	6.91E-10	2.22E-10	3.79E-10	2.81E-11	6.29E-10	1.26E-10	2.09E-10	6.92E-12	3.42E-10
1526	741668.06	4109063.87	1.48E-09	2.71E-09	1.49E-10	4.34E-09	2.30E-10	4.44E-10	2.23E-11	6.96E-10	2.24E-10	3.82E-10	2.83E-11	6.34E-10	1.27E-10	2.10E-10	6.98E-12	3.45E-10
1527	741692.02	4109059.45	1.50E-09	2.73E-09	1.50E-10	4.37E-09	2.32E-10	4.47E-10	2.25E-11	7.02E-10	2.26E-10	3.85E-10	2.85E-11	6.39E-10	1.28E-10	2.12E-10	7.03E-12	3.47E-10
1528	741715.97	4109055.04	1.51E-09	2.75E-09	1.51E-10	4.41E-09	2.34E-10	4.51E-10	2.26E-11	7.07E-10	2.27E-10	3.88E-10	2.87E-11	6.44E-10	1.29E-10	2.14E-10	7.09E-12	3.50E-10
1529	741739.93	4109050.62	1.52E-09	2.77E-09	1.52E-10	4.44E-09	2.36E-10	4.54E-10	2.28E-11	7.13E-10	2.29E-10	3.91E-10	2.90E-11	6.49E-10	1.30E-10	2.16E-10	7.15E-12	3.53E-10
1530	741763.89	4109046.2	1.53E-09	2.80E-09	1.54E-10	4.49E-09	2.38E-10	4.59E-10	2.30E-11	7.20E-10	2.31E-10	3.95E-10	2.92E-11	6.55E-10	1.32E-10	2.18E-10	7.21E-12	3.56E-10
1531	741787.85	4109041.79	1.55E-09	2.83E-09	1.55E-10	4.53E-09	2.41E-10	4.64E-10	2.33E-11	7.27E-10	2.34E-10	3.99E-10	2.96E-11	6.62E-10	1.33E-10	2.20E-10	7.29E-12	3.60E-10
1532	741811.8	4109037.37	1.57E-09	2.86E-09	1.57E-10	4.59E-09	2.44E-10	4.69E-10	2.36E-11	7.37E-10	2.37E-10	4.04E-10	2.99E-11	6.71E-10	1.35E-10	2.23E-10	7.38E-12	3.65E-10

1533	741835.76	4109032.95	1.59E-09	2.90E-09	1.59E-10	4.65E-09	2.47E-10	4.76E-10	2.39E-11	7.47E-10	2.40E-10	4.09E-10	3.03E-11	6.80E-10	1.36E-10	2.26E-10	7.48E-12	3.70E-10
1534	741859.72	4109028.54	1.61E-09	2.94E-09	1.62E-10	4.72E-09	2.50E-10	4.82E-10	2.42E-11	7.57E-10	2.43E-10	4.15E-10	3.08E-11	6.89E-10	1.38E-10	2.29E-10	7.59E-12	3.75E-10
1535	741883.67	4109024.12	1.63E-09	2.98E-09	1.64E-10	4.78E-09	2.53E-10	4.88E-10	2.45E-11	7.66E-10	2.46E-10	4.20E-10	3.11E-11	6.98E-10	1.40E-10	2.32E-10	7.68E-12	3.80E-10
1536	741907.63	4109019.7	1.65E-09	3.01E-09	1.65E-10	4.83E-09	2.56E-10	4.94E-10	2.48E-11	7.75E-10	2.49E-10	4.25E-10	3.15E-11	7.06E-10	1.42E-10	2.34E-10	7.77E-12	3.84E-10
1537	741931.59	4109015.29	1.67E-09	3.04E-09	1.67E-10	4.88E-09	2.59E-10	4.99E-10	2.50E-11	7.82E-10	2.52E-10	4.29E-10	3.18E-11	7.12E-10	1.43E-10	2.37E-10	7.84E-12	3.87E-10
1538	741955.55	4109010.87	1.68E-09	3.07E-09	1.68E-10	4.92E-09	2.61E-10	5.03E-10	2.53E-11	7.89E-10	2.54E-10	4.33E-10	3.21E-11	7.19E-10	1.44E-10	2.39E-10	7.91E-12	3.91E-10
1539	741979.5	4109006.45	1.70E-09	3.10E-09	1.70E-10	4.96E-09	2.63E-10	5.08E-10	2.55E-11	7.97E-10	2.56E-10	4.37E-10	3.24E-11	7.25E-10	1.46E-10	2.41E-10	7.98E-12	3.94E-10
1540	742003.46	4109002.04	1.71E-09	3.12E-09	1.71E-10	5.01E-09	2.66E-10	5.12E-10	2.57E-11	8.03E-10	2.58E-10	4.40E-10	3.26E-11	7.31E-10	1.47E-10	2.43E-10	8.05E-12	3.98E-10
1541	742027.42	4108997.62	1.73E-09	3.15E-09	1.73E-10	5.05E-09	2.68E-10	5.16E-10	2.59E-11	8.10E-10	2.60E-10	4.44E-10	3.29E-11	7.37E-10	1.48E-10	2.45E-10	8.12E-12	4.01E-10
1542	742051.37	4108993.2	1.74E-09	3.17E-09	1.74E-10	5.09E-09	2.70E-10	5.20E-10	2.61E-11	8.16E-10	2.62E-10	4.47E-10	3.32E-11	7.43E-10	1.49E-10	2.47E-10	8.18E-12	4.04E-10
1543	742075.33	4108988.79	1.75E-09	3.19E-09	1.75E-10	5.12E-09	2.72E-10	5.24E-10	2.63E-11	8.22E-10	2.64E-10	4.51E-10	3.34E-11	7.48E-10	1.50E-10	2.49E-10	8.24E-12	4.07E-10
1544	742099.29	4108984.37	1.77E-09	3.22E-09	1.77E-10	5.16E-09	2.74E-10	5.28E-10	2.65E-11	8.28E-10	2.66E-10	4.54E-10	3.37E-11	7.54E-10	1.51E-10	2.50E-10	8.30E-12	4.10E-10
1545	742123.24	4108979.95	1.78E-09	3.24E-09	1.78E-10	5.20E-09	2.76E-10	5.32E-10	2.67E-11	8.35E-10	2.68E-10	4.58E-10	3.39E-11	7.60E-10	1.53E-10	2.52E-10	8.37E-12	4.13E-10
1546	742147.2	4108975.54	1.80E-09	3.27E-09	1.80E-10	5.25E-09	2.79E-10	5.37E-10	2.70E-11	8.42E-10	2.71E-10	4.62E-10	3.42E-11	7.67E-10	1.54E-10	2.55E-10	8.44E-12	4.17E-10
1547	742171.16	4108971.12	1.82E-09	3.31E-09	1.82E-10	5.30E-09	2.81E-10	5.42E-10	2.72E-11	8.51E-10	2.74E-10	4.67E-10	3.46E-11	7.75E-10	1.56E-10	2.57E-10	8.53E-12	4.21E-10
1548	742195.12	4108966.7	1.84E-09	3.34E-09	1.84E-10	5.36E-09	2.85E-10	5.48E-10	2.75E-11	8.60E-10	2.77E-10	4.72E-10	3.50E-11	7.84E-10	1.57E-10	2.60E-10	8.63E-12	4.26E-10
1549	742219.07	4108962.29	1.86E-09	3.38E-09	1.86E-10	5.42E-09	2.88E-10	5.54E-10	2.79E-11	8.70E-10	2.80E-10	4.77E-10	3.54E-11	7.92E-10	1.59E-10	2.63E-10	8.72E-12	4.31E-10
1550	742243.03	4108957.87	1.87E-09	3.42E-09	1.88E-10	5.48E-09	2.91E-10	5.60E-10	2.81E-11	8.79E-10	2.83E-10	4.82E-10	3.57E-11	8.00E-10	1.61E-10	2.66E-10	8.81E-12	4.35E-10
1551	742287.16	4108967.11	1.95E-09	3.56E-09	1.96E-10	5.71E-09	3.03E-10	5.84E-10	2.93E-11	9.16E-10	2.95E-10	5.02E-10	3.72E-11	8.34E-10	1.67E-10	2.77E-10	9.18E-12	4.54E-10
1552	742307.34	4108980.76	2.01E-09	3.67E-09	2.02E-10	5.89E-09	3.12E-10	6.02E-10	3.02E-11	9.44E-10	3.04E-10	5.18E-10	3.84E-11	8.60E-10	1.73E-10	2.86E-10	9.46E-12	4.68E-10
1553	742327.51	4108994.42	2.07E-09	3.77E-09	2.07E-10	6.04E-09	3.21E-10	6.18E-10	3.10E-11	9.70E-10	3.12E-10	5.32E-10	3.94E-11	8.83E-10	1.77E-10	2.93E-10	9.72E-12	4.80E-10
1554	742347.68	4109008.07	2.12E-09	3.86E-09	2.12E-10	6.19E-09	3.28E-10	6.33E-10	3.18E-11	9.93E-10	3.19E-10	5.44E-10	4.04E-11	9.04E-10	1.81E-10	3.00E-10	9.95E-12	4.92E-10
1555	742367.86	4109021.72	2.16E-09	3.94E-09	2.17E-10	6.32E-09	3.36E-10	6.47E-10	3.25E-11	1.01E-09	3.26E-10	5.56E-10	4.12E-11	9.24E-10	1.85E-10	3.07E-10	1.02E-11	5.03E-10
1556	742388.03	4109035.38	2.21E-09	4.03E-09	2.21E-10	6.46E-09	3.43E-10	6.61E-10	3.32E-11	1.04E-09	3.34E-10	5.69E-10	4.21E-11	9.44E-10	1.90E-10	3.14E-10	1.04E-11	5.14E-10
1557	742408.21	4109049.03	2.26E-09	4.12E-09	2.26E-10	6.61E-09	3.51E-10	6.76E-10	3.40E-11	1.06E-09	3.41E-10	5.82E-10	4.31E-11	9.66E-10	1.94E-10	3.21E-10	1.06E-11	5.26E-10
1558	742428.38	4109062.69	2.32E-09	4.23E-09	2.32E-10	6.78E-09	3.60E-10	6.94E-10	3.48E-11	1.09E-09	3.50E-10	5.97E-10	4.42E-11	9.91E-10	1.99E-10	3.29E-10	1.09E-11	5.39E-10
1559	742448.56	4109076.34	2.39E-09	4.35E-09	2.39E-10	6.98E-09	3.70E-10	7.14E-10	3.59E-11	1.12E-09	3.60E-10	6.14E-10	4.55E-11	1.02E-09	2.05E-10	3.39E-10	1.12E-11	5.55E-10
1560	742468.73	4109090	2.47E-09	4.49E-09	2.47E-10	7.21E-09	3.82E-10	7.37E-10	3.70E-11	1.16E-09	3.72E-10	6.34E-10	4.70E-11	1.05E-09	2.11E-10	3.50E-10	1.16E-11	5.72E-10
1561	742488.9	4109103.65	2.55E-09	4.65E-09	2.56E-10	7.46E-09	3.96E-10	7.63E-10	3.83E-11	1.20E-09	3.85E-10	6.56E-10	4.87E-11	1.09E-09	2.19E-10	3.62E-10	1.20E-11	5.93E-10
1562	742509.08	4109117.31	2.65E-09	4.83E-09	2.65E-10	7.75E-09	4.11E-10	7.93E-10	3.98E-11	1.24E-09	4.00E-10	6.82E-10	5.06E-11	1.13E-09	2.27E-10	3.76E-10	1.25E-11	6.16E-10
1563	742529.25	4109130.96	2.77E-09	5.05E-09	2.77E-10	8.09E-09	4.29E-10	8.27E-10	4.16E-11	1.30E-09	4.18E-10	7.12E-10	5.28E-11	1.18E-09	2.37E-10	3.93E-10	1.30E-11	6.43E-10
1564	742549.43	4109144.62	2.90E-09	5.29E-09	2.91E-10	8.49E-09	4.50E-10	8.68E-10	4.36E-11	1.36E-09	4.38E-10	7.47E-10	5.53E-11	1.24E-09	2.49E-10	4.12E-10	1.36E-11	6.74E-10
1565	742569.6	4109158.27	3.06E-09	5.58E-09	3.06E-10	8.94E-09	4.75E-10	9.14E-10	4.59E-11	1.43E-09	4.61E-10	7.87E-10	5.83E-11	1.31E-09	2.62E-10	4.34E-10	1.44E-11	7.11E-10
1566	742589.78	4109171.92	3.24E-09	5.90E-09	3.24E-10	9.46E-09	5.02E-10	9.67E-10	4.86E-11	1.52E-09	4.88E-10	8.32E-10	6.17E-11	1.38E-09	2.77E-10	4.59E-10	1.52E-11	7.51E-10
1567	742609.95	4109185.58	3.43E-09	6.25E-09	3.43E-10	1.00E-08	5.32E-10	1.02E-09	5.15E-11	1.61E-09	5.17E-10	8.81E-10	6.53E-11	1.46E-09	2.94E-10	4.86E-10	1.61E-11	7.96E-10
1568	742630.12	4109199.23	3.64E-09	6.63E-09	3.64E-10	1.06E-08	5.64E-10	1.09E-09	5.46E-11	1.70E-09	5.48E-10	9.35E-10	6.93E-11	1.55E-09	3.12E-10	5.16E-10	1.71E-11	8.44E-10
1569	742650.3	4109212.89	3.85E-09	7.02E-09	3.86E-10	1.13E-08	5.98E-10	1.15E-09	5.78E-11	1.81E-09	5.81E-10	9.91E-10	7.34E-11	1.65E-09	3.30E-10	5.46E-10	1.81E-11	8.95E-10
1570	742670.47	4109226.54	4.07E-09	7.42E-09	4.08E-10	1.19E-08	6.32E-10	1.22E-09	6.11E-11	1.91E-09	6.14E-10	1.05E-09	7.76E-11	1.74E-09	3.49E-10	5.77E-10	1.91E-11	9.46E-10
1571	742690.65	4109240.2	4.29E-09	7.81E-09	4.29E-10	1.25E-08	6.65E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.17E-11	1.83E-09	3.67E-10	6.08E-10	2.01E-11	9.95E-10
1572	742710.82	4109253.85	4.49E-09	8.18E-09	4.49E-10	1.31E-08	6.96E-10	1.34E-09	6.74E-11	2.10E-09	6.77E-10	1.15E-09	8.55E-11	1.92E-09	3.85E-10	6.37E-10	2.11E-11	1.04E-09
1573	742731	4109267.51	4.68E-09	8.53E-09	4.69E-10	1.37E-08	7.26E-10	1.40E-09	7.03E-11	2.20E-09	7.06E-10	1.20E-09	8.92E-11	2.00E-09	4.01E-10	6.64E-10	2.20E-11	1.09E-09
1574	742751.17	4109281.16	4.85E-09	8.85E-09	4.86E-10	1.42E-08	7.53E-10	1.45E-09	7.29E-11	2.28E-09	7.32E-10	1.25E-09	9.25E-11	2.07E-09	4.16E-10	6.88E-10	2.28E-11	1.13E-09
1575	742771.34	4109294.81	5.01E-09	9.12E-09	5.01E-10	1.46E-08	7.76E-10	1.50E-09	7.51E-11	2.35E-09	7.55E-10	1.29E-09	9.54E-11	2.14E-09	4.29E-10	7.10E-10	2.35E-11	1.16E-09
1576	742791.52	4109308.47	5.14E-09	9.36E-09	5.14E-10	1.50E-08	7.97E-10	1.54E-09	7.71E-11	2.41E-09	7.75E-10	1.32E-09	9.79E-11	2.19E-09	4.40E-10	7.29E-10	2.42E-11	1.19E-09
1577	742811.69	4109322.12	5.25E-09	9.56E-09	5.25E-10	1.53E-08	8.14E-10	1.57E-09	7.87E-11	2.46E-09	7.91E-10	1.35E-09	1.00E-10	2.24E-09	4.50E-10	7.44E-10	2.47E-11	1.22E-09
1578	741596.19	4109077.12	1.46E-09	2.66E-09	1.46E-10	4.26E-09	2.26E-10	4.36E-10	2.19E-11	6.84E-10	2.20E-10	3.75E-10	2.78E-11	6.23E-10	1.25E-10	2.07E-10	6.85E-12	3.39E-10
1579	741575.55	4109090.38	1.48E-09	2.70E-09	1.48E-10	4.32E-09	2.29E-10	4.42E-10	2.22E-11	6.94E-10	2.23E-10	3.80E-10	2.82E-11	6.32E-10	1.27E-10	2.10E-10	6.95E-12	3.44E-10
1580	741554.91	4109103.63	1.50E-09	2.74E-09	1.50E-10	4.39E-09	2.33E-10	4.49E-10	2.26E-11	7.05E-10	2.27E-10	3.87E-10	2.87E-11	6.42E-10	1.29E-10	2.13E-10	7.07E-12	3.49E-10
1581	741534.27	4109116.89	1.53E-09	2.79E-09	1.53E-10	4.47E-09	2.37E-10	4.57E-10	2.30E-11	7.18E-10	2.31E-10	3.93E-10	2.92E-11	6.53E-10	1.31E-10	2.17E-10	7.19E-12	3.55E-10
1582	741513.64	4109130.15	1.56E-09	2.84E-09	1.56E-10	4.56E-09	2.42E-10	4.66E-10	2.34E-11	7.31E-10	2.35E-10	4.01E-10	2.97E-11	6.66E-10	1.34E-10	2.21E-10	7.33E-12	3.62E-10
1583	741493	4109143.4	1.59E-09	2.89E-09	1.59E-10	4.64E-09	2.46E-10	4.74E-10	2.38E-11	7.45E-10	2.39E-10	4.08E-10	3.03E-11	6.78E-10	1.36E-10	2.25E-10	7.46E-12	3.69E-10
1584	741472.36	4109156.66	1.61E-09	2.94E-09	1.62E-10	4.72E-09	2.50E-10	4.82E-10	2.42E-11	7.57E-10	2.43E-10	4.15E-10	3.08E-11	6.89E-10	1.38E-10	2.29E-10	7.59E-12	3.75E-10
1585	741512.21	4108904.4	1.09E-09	1.98E-09	1.09E-10	3.18E-09	1.69E-10	3.25E-10	1.63E-11	5.10E-10	1.64E-10	2.79E-10	2.07E-11	4.64E-10	9.31E-11	1.54E-10	5.11E-12	2.52E-10
1586	741536.33	4108899.95	1.09E-09	1.99E-09	1.09E-10	3.19E-09	1.69E-10	3.26E-10	1.64E-11	5.11E-10	1.64E-10	2.80E-10	2.08E-11	4.66E-10	9.35E-11	1.55E-10	5.13E-12	2.53E-10
1587	741560.44	4108895.51	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.27E-10	1.64E-11	5.14E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.39E-11	1.55E-10	5.15E-12	2.54E-10
1588	741584.55	4108891.06	1.10E-09	2.01E-09	1.10E-10	3.22E-09	1.71E-10	3.29E-10	1.65E-11	5.17E-10	1.66E-10	2.83E-10	2.10E-11	4.71E-10	9.44E-11	1.56E-10	5.18E-12	2.56E-10
1589	741608.67	4108886.62	1.11E-09	2.02E-09	1.11E-10	3.24E-09	1.72E-10	3.32E-10	1.67E-11	5.20E-10	1.67E-10	2.85E-10	2.12E-11	4.74E-10	9.51E-11	1.57E-10	5.22E-12	2.58E-10
1590	741632.78	4108882.17	1.12E-09	2.04E-09	1.12E-10	3.27E-09	1.74E-10	3.34E-10	1.68E-11	5.25E-10	1.69E-10	2.88E-10	2.13E-11	4.78E-10	9.59E-11	1.59E-10	5.26E-12	2.60E-10
1591	741656.9	4108877.72	1.13E-09	2.06E-09	1.13E-10	3.30E-09	1.75E-10	3.37E-10	1.69E-11	5.29E-10	1.70E-10	2.90E-10	2.15E-11	4.82E-10	9.67E-11	1.60E-10	5.30E-12	2.62E-10
1592	741681.01	4108873.28	1.14E-09	2.08E-09	1.14E-10	3.33E-09	1.77E-10	3.40E-10	1.71E-11	5.34E-10	1.72E-10	2.93E-10	2.17E-11	4.86E-10	9.76E-11	1.62E-10	5.35E-12	2.64E-10
1593	741705.12	4108868.83	1.15E-09	2.10E-09	1.15E-10	3.36E-09	1.78E-10	3.44E-10	1.73E-11	5.39E-10	1.73E-10	2.96E-10	2.19E-11	4.91E-10	9.85E-11	1.63E-10	5.40E-12	2.67E-10
1594	741729.24	4108864.39	1.16E-09	2.12E-09	1.16E-10	3.39E-09	1.80E-10	3.47E-10	1.74E-11	5.44E-10	1.75E-10	2.99E-10	2.21E-11	4.96E-10	9.95E-11	1.65E-10	5.46E-12	2.70E-10
1595	741753.35	4108859.94	1.17E-09	2.14E-09	1.17E-10	3.43E-09	1.82E-10	3.51E-10	1.76E-11	5.50E-10	1.77E-10	3.02E-10	2.24E-11	5.01E-10	1.01E-10	1.66E-10	5.51E-12	2.72E-10
1596	741777.46	4108855.5	1.19E-09	2.16E-09	1.19E-10	3.47E-09	1.84E-10	3.54E-10	1.78E-11	5.56E-10	1.79E-10	3.05E-10	2.26E-11	5.06E-10	1.02E-10	1.68E-10	5.57E-12	2.75E-10
1597	741801.58	4108851.05	1.20E-09	2.18E-09	1.20E-10	3.50E-09	1.86E-10	3.58E-10	1.80E-11	5.62E-10	1.81E-10	3.08E-10	2.28E-11	5.12E-10	1.03E-10	1.70E-10	5.63E-12	2.78E-10
1598	741825.69	4108846.61	1.21E-09	2.21E-09	1.21E-10	3.54E-09	1.88E-10	3.62E-10	1.82E-11	5.68E-10	1.83E-10	3.12E-10	2.31E-11	5.17E-10	1.04E-10	1.72E-10	5.69E-12	2.81E-10
1599	741849.8	4108842.16	1.22E-09	2.23E-09	1.23E-10	3.58E-09	1.90E-10	3.66E-10	1.84E-11	5.74E-10	1.85E-10	3.15E-10	2.33E-11	5.23E-10	1.05E-10	1.74E-10	5.76E-12	2.84E-10
1600	741873.92	4108837.71	1.24E-09	2.25E-09	1.24E-10	3.62E-09	1.92E-10	3.70E-10	1.86E-11	5.80E-10	1.87E-10	3.18E-10	2.36E-11	5.28E-10	1.06E-10	1.75E-10	5.81E-12	2.87E-10
1601	741898.03	4108833.27	1.25E-09	2.28E-09	1.25E-10	3.65E-09	1.94E-10	3.73E-10	1.87E-11	5.86E-10	1.88E-10	3.21E-10	2.38E-11	5.33E-10	1.07E-10	1.77E-10	5.87E-12	2.90E-10
1602	741922.15	4108828.82	1.26E-09	2.30E-09	1.26E-10	3.68E-09	1.96E-10	3.77E-10	1.89E-11	5.91E-10	1.90E-10	3.24E-10	2.40E-11	5.38E-10	1.08E-10	1.79E-10	5.93E-12	2.93E-10
1603	741946.26	4108824.38	1.27E-09	2.32E-09	1.27E-10	3.72E-09	1.97E-10	3.80E-10	1.91E-11	5.96E-10	1.92E-10	3.27E-10	2.42E-11	5.43E-10	1.09E-10	1.80E-10	5.98E-12	2.95E-10
1604	741970.37	4108819.93	1.28E-09	2.34E-09	1.28E-10	3.75E-09	1.99E-10	3.83E-10	1.92E-11	6.01E-10	1.93E-10	3.30E-10	2.44E-11	5.47E-10	1.10E-10	1.82E-10	6.03E-12	2.98E-10
1605	741994.49	4108815.49	1.29E-09	2.35E-09	1.29E-10	3.77E-09	2.00E-10	3.86E-10	1.94E-11	6.06E-10	1.95E-10	3.32E-10	2.46E-11	5.51E-10	1.11E-10	1.83E-10	6.07E-12	3.00E-10
1606	742018.6	4108811.04	1.30E-09	2.37E-09	1.30E-10	3.80E-09	2.01E-10	3.88E-10	1.95E-11	6.09E-10	1.96E-10	3.34E-10	2.48E-11	5.55E-10	1.11E-10	1.84E-10	6.11E-12	3.02E-10
1607	742042.71	4108806.6	1.31E-09	2.38E-09	1.31E-10	3.81E-09	2.02E-10	3.90E-10	1.96E-11	6.12E-10	1.97E-10	3.35E-10	2.49E-11	5.57E-10	1.12E-10	1.85E-10	6.13E-12	3.03E-10
1608	742066.83	4108802.15	1.31E-09	2.39E-09	1.31E-10	3.83E-09	2.03E-10	3.91E-10	1.97E-11	6.14E-10	1.98E-10	3.37E-10	2.50E-11	5.59E-10	1.12E-10	1.86E-10	6.16E-12	3.04E-10
1609	742090.94	4108797.7	1.31E-09	2.40E-09	1.32E-10	3.84E-09	2.04E-10	3.93E-10	1.97E-11	6.16E-10	1.98E-10	3.38E-10	2.51E-11	5.61E-10	1.13E-10	1.86E-10	6.18E-12	3.05E-10
1610	742115.05	4108793.26	1.32E-09	2.40E-09	1.32E-10	3.86E-09	2.05E-10	3.94E-10	1.98E-11	6.19E-10	1.99E-10	3.39E-10	2.51E-11	5.63E-10	1.13E-10	1.87E-10	6.20E-12	3.06E-10
1611	742139.17	4108788.81	1.33E-09	2.42E-09	1.33E-10	3.87E-09	2.06E-10	3.96E-10	1.99E-11	6.22E-10	2.00E-10	3.41E-10	2.53E-11	5.66E-10	1.14E-10	1.88E-10	6.23E-12	3.08E-10
1612	742163.28	4108784.37	1.33E-09	2.43E-09	1.34E-10	3.90E-09	2.07E-10	3.99E-10	2.00E-11	6.26E-10	2.01E-10	3.43E-10	2.54E-11	5.70E-10	1.14E-10	1.89E-10	6.27E-12	3.10E-10
1613	742187.4	4108779.92	1.35E-09	2.45E-09	1.35E-10	3.93E-09	2.09E-10	4.02E-10	2.02E-11	6.31E-10	2.03E-10	3.46E-10	2.57E-11	5.75E-10	1.15E-10	1.91E-10	6.33E-12	3.13E-10
1614	742211.51	4108775.48	1.36E-09	2.48E-09	1.36E-10	3.97E-09	2.11E-10	4.06E-10	2.04E-11	6.38E-10	2.05E-10	3.50E-10	2.59E-11	5.81E-10	1.17E-10	1.93E-10	6.39E-12	3.16E-10
1615	742235.62	4108771.03	1.38E-09	2.51E-09	1.38E-10	4.02E-09	2.13E-10	4.11E-10	2.06E-11	6.45E-10	2.07E-10	3.54E-10	2.62E-11	5.87E-10	1.18E-10	1.95E-10	6.46E-12	3.19E-10
1616	742259.74	4108766.59	1.39E-09	2.54E-09	1.39E-10	4.07E-09	2.16E-10	4.16E-10	2.09E-11	6.52E-10	2.10E-10	3.58E-10	2.65E-11	5.94E-10	1.19E-10	1.97E-10	6.54E-12	3.23E-10
1617	742283.85	4108762.14	1.41E-09	2.56E-09	1.41E-10	4.11E-09	2.18E-10	4.20E-10	2.11E-11	6.60E-10	2.12E-10	3.62E-10	2.68E-11	6.01E-10	1.21E-10	1.99E-10	6.61E-12	3.27E-10
1618	742328.27	4108771.44	1.46E-09	2.67E-09	1.46E-10	4.28E-09	2.27E-10	4.37E-10	2.20E-11	6.86E-10	2.21E-10	3.76E-10	2.79E-11	6.25E-10	1.25E-10	2.08E-10	6.88E-12	3.40E-10
1619	742348.58	4108785.18	1.51E-09	2.74E-09	1.51E-10	4.40E-09	2.33E-10	4.50E-10	2.26E-11	7.06E-10	2.27E-10	3.87E-10	2.87E-11	6.43E-10	1.29E-10	2.13E-10	7.07E-12	3.50E-10
1620	742368.88	4108798.93	1.54E-09	2.81E-09	1.54E-10	4.51E-09	2.39E-10	4.61E-10	2.32E-11	7.23E-10	2.33E-10	3.97E-10	2.94E-11	6.59E-10	1.32E-10	2.19E-10	7.25E-12	3.58E-10
1621	742389.19	4108812.67	1.58E-09	2.87E-09	1.58E-10	4.61E-09	2.44E-10	4.71E-10	2.37E-11	7.39E-10	2.38E-10	4.05E-10	3.00E-11	6.73E-10	1.35E-10	2.23E-10	7.41E-12	3.66E-10
1622	742409.49	4108826.41	1.61E-09	2.93E-09	1.61E-10	4.69E-09	2.49E-10	4.80E-10	2.41E-11	7.53E-10	2.42E-10	4.13E-10	3.06E-11	6.85E-10	1.38E-10	2.28E-10	7.55E-12	3.73E-10
1623	742429.8	4108840.16	1.63E-09	2.98E-09	1.63E-10	4.77E-09	2.53E-10	4.88E-10	2.45E-11	7.66E-10	2.46E-10	4.20E-10	3.11E-11	6.97E-10	1.40E-10	2.32E-10	7.67E-12	3.79E-10
1624	742450.11	4108853.9	1.66E-09	3.02E-09	1.66E-10	4.85E-09	2.57E-10	4.96E-10	2.49E-11	7.78E-10	2.50E-10	4.27E-10	3.16E-11	7.08E-10	1.42E-10	2.35E-10	7.80E-12	3.85E-10
1625	742470.41	4108867.65	1.69E-09	3.07E-09	1.69E-10	4.93E-09	2.61E-10	5.04E-10	2.53E-11	7.90E-10	2.54E-10	4.33E-10	3.21E-11	7.20E-10	1.44E-10	2.39E-10	7.92E-12	3.91E-10
1626	742490.72	4108881.39	1.71E-09	3.12E-09	1.72E-10	5.01E-09	2.66E-10	5.12E-10	2.57E-11	8.04E-10	2.59E-10	4.41E-10	3.27E-11	7.32E-10	1.47E-10	2.43E-10	8.06E-12	3.98E-10
1627	742511.03	4108895.13	1.75E-09	3.18E-09	1.75E-10	5.10E-09	2.71E-10	5.22E-10	2.62E-11	8.19E-10	2.63E-10	4.49E-10	3.33E-11	7.46E-10	1.50E-10	2.48E-10	8.21E-12	4.05E-10
1628	742531.33	4108908.88	1.78E-09	3.25E-09	1.78E-10	5.21E-09	2.76E-10	5.32E-10	2.67E-11	8.36E-10	2.69E-10	4.58E-10	3.40E-11	7.61E-10	1.53E-10	2.53E-10	8.37E-12	4.14E-10

1629	742551.64	4108922.62	1.82E-09	3.32E-09	1.82E-10	5.33E-09	2.83E-10	5.45E-10	2.74E-11	8.55E-10	2.75E-10	4.69E-10	3.47E-11	7.78E-10	1.56E-10	2.58E-10	8.57E-12	4.23E-10
1630	742571.94	4108936.36	1.87E-09	3.41E-09	1.87E-10	5.46E-09	2.90E-10	5.59E-10	2.81E-11	8.76E-10	2.82E-10	4.81E-10	3.56E-11	7.98E-10	1.60E-10	2.65E-10	8.79E-12	4.34E-10
1631	742592.25	4108950.11	1.92E-09	3.51E-09	1.93E-10	5.62E-09	2.98E-10	5.75E-10	2.89E-11	9.02E-10	2.90E-10	4.95E-10	3.67E-11	8.21E-10	1.65E-10	2.73E-10	9.04E-12	4.47E-10
1632	742612.56	4108963.85	1.99E-09	3.62E-09	1.99E-10	5.81E-09	3.08E-10	5.94E-10	2.99E-11	9.32E-10	3.00E-10	5.11E-10	3.79E-11	8.49E-10	1.70E-10	2.82E-10	9.35E-12	4.62E-10
1633	742632.86	4108977.59	2.07E-09	3.76E-09	2.07E-10	6.04E-09	3.20E-10	6.17E-10	3.10E-11	9.68E-10	3.11E-10	5.31E-10	3.94E-11	8.82E-10	1.77E-10	2.93E-10	9.71E-12	4.80E-10
1634	742653.17	4108991.34	2.15E-09	3.93E-09	2.16E-10	6.30E-09	3.34E-10	6.44E-10	3.23E-11	1.01E-09	3.25E-10	5.54E-10	4.11E-11	9.20E-10	1.85E-10	3.05E-10	1.01E-11	5.00E-10
1635	742673.47	4109005.08	2.26E-09	4.11E-09	2.26E-10	6.59E-09	3.50E-10	6.74E-10	3.39E-11	1.06E-09	3.40E-10	5.80E-10	4.30E-11	9.63E-10	1.93E-10	3.20E-10	1.06E-11	5.24E-10
1636	742693.78	4109018.83	2.37E-09	4.32E-09	2.37E-10	6.92E-09	3.67E-10	7.08E-10	3.56E-11	1.11E-09	3.57E-10	6.09E-10	4.52E-11	1.01E-09	2.03E-10	3.36E-10	1.11E-11	5.50E-10
1637	742714.09	4109032.57	2.49E-09	4.54E-09	2.49E-10	7.29E-09	3.87E-10	7.45E-10	3.74E-11	1.17E-09	3.76E-10	6.41E-10	4.75E-11	1.06E-09	2.14E-10	3.53E-10	1.17E-11	5.79E-10
1638	742734.39	4109046.31	2.63E-09	4.78E-09	2.63E-10	7.67E-09	4.07E-10	7.84E-10	3.94E-11	1.23E-09	3.96E-10	6.75E-10	5.00E-11	1.12E-09	2.25E-10	3.72E-10	1.23E-11	6.10E-10
1639	742754.7	4109060.06	2.76E-09	5.03E-09	2.76E-10	8.07E-09	4.28E-10	8.25E-10	4.15E-11	1.29E-09	4.17E-10	7.10E-10	5.26E-11	1.18E-09	2.37E-10	3.92E-10	1.30E-11	6.41E-10
1640	742775	4109073.8	2.90E-09	5.28E-09	2.90E-10	8.47E-09	4.50E-10	8.66E-10	4.35E-11	1.36E-09	4.37E-10	7.45E-10	5.52E-11	1.24E-09	2.48E-10	4.11E-10	1.36E-11	6.73E-10
1641	742795.31	4109087.54	3.04E-09	5.53E-09	3.04E-10	8.87E-09	4.71E-10	9.07E-10	4.56E-11	1.42E-09	4.58E-10	7.80E-10	5.78E-11	1.30E-09	2.60E-10	4.30E-10	1.43E-11	7.05E-10
1642	742815.62	4109101.29	3.17E-09	5.77E-09	3.17E-10	9.25E-09	4.91E-10	9.46E-10	4.75E-11	1.48E-09	4.77E-10	8.14E-10	6.03E-11	1.35E-09	2.71E-10	4.49E-10	1.49E-11	7.35E-10
1643	742835.92	4109115.03	3.29E-09	5.99E-09	3.29E-10	9.61E-09	5.10E-10	9.82E-10	4.94E-11	1.54E-09	4.96E-10	8.45E-10	6.27E-11	1.40E-09	2.82E-10	4.66E-10	1.55E-11	7.63E-10
1644	742856.23	4109128.78	3.40E-09	6.20E-09	3.40E-10	9.94E-09	5.28E-10	1.02E-09	5.11E-11	1.59E-09	5.13E-10	8.75E-10	6.48E-11	1.45E-09	2.92E-10	4.82E-10	1.60E-11	7.90E-10
1645	742876.54	4109142.52	3.50E-09	6.39E-09	3.51E-10	1.02E-08	5.43E-10	1.05E-09	5.26E-11	1.64E-09	5.28E-10	9.01E-10	6.68E-11	1.50E-09	3.00E-10	4.97E-10	1.65E-11	8.14E-10
1646	742896.84	4109156.26	3.59E-09	6.55E-09	3.60E-10	1.05E-08	5.57E-10	1.07E-09	5.40E-11	1.69E-09	5.42E-10	9.24E-10	6.85E-11	1.53E-09	3.08E-10	5.10E-10	1.69E-11	8.35E-10
1647	742917.15	4109170.01	3.67E-09	6.69E-09	3.68E-10	1.07E-08	5.70E-10	1.10E-09	5.51E-11	1.72E-09	5.54E-10	9.44E-10	7.00E-11	1.57E-09	3.15E-10	5.21E-10	1.73E-11	8.53E-10
1648	742937.45	4109183.75	3.75E-09	6.82E-09	3.75E-10	1.09E-08	5.81E-10	1.12E-09	5.62E-11	1.76E-09	5.65E-10	9.63E-10	7.14E-11	1.60E-09	3.21E-10	5.31E-10	1.76E-11	8.70E-10
1649	742957.76	4109197.49	3.81E-09	6.94E-09	3.81E-10	1.11E-08	5.90E-10	1.14E-09	5.71E-11	1.78E-09	5.74E-10	9.79E-10	7.25E-11	1.63E-09	3.26E-10	5.40E-10	1.79E-11	8.84E-10
1650	742978.07	4109211.24	3.86E-09	7.03E-09	3.86E-10	1.13E-08	5.98E-10	1.15E-09	5.79E-11	1.81E-09	5.82E-10	9.92E-10	7.35E-11	1.65E-09	3.31E-10	5.47E-10	1.81E-11	8.96E-10
1651	741488.1	4108908.84	1.09E-09	1.98E-09	1.09E-10	3.17E-09	1.68E-10	3.24E-10	1.63E-11	5.09E-10	1.64E-10	2.79E-10	2.07E-11	4.64E-10	9.31E-11	1.54E-10	5.10E-12	2.52E-10
1652	741467.46	4108922.1	1.10E-09	2.01E-09	1.10E-10	3.22E-09	1.71E-10	3.29E-10	1.65E-11	5.17E-10	1.66E-10	2.83E-10	2.10E-11	4.71E-10	9.44E-11	1.56E-10	5.18E-12	2.56E-10
1653	741446.82	4108935.36	1.12E-09	2.04E-09	1.12E-10	3.27E-09	1.74E-10	3.35E-10	1.68E-11	5.25E-10	1.69E-10	2.88E-10	2.13E-11	4.78E-10	9.60E-11	1.59E-10	5.26E-12	2.60E-10
1654	741426.19	4108948.61	1.14E-09	2.08E-09	1.14E-10	3.33E-09	1.77E-10	3.40E-10	1.71E-11	5.34E-10	1.72E-10	2.93E-10	2.17E-11	4.87E-10	9.77E-11	1.62E-10	5.36E-12	2.65E-10
1655	741405.55	4108961.87	1.16E-09	2.11E-09	1.16E-10	3.39E-09	1.80E-10	3.47E-10	1.74E-11	5.44E-10	1.75E-10	2.98E-10	2.21E-11	4.95E-10	9.94E-11	1.64E-10	5.45E-12	2.69E-10
1656	741384.91	4108975.13	1.18E-09	2.15E-09	1.18E-10	3.45E-09	1.83E-10	3.53E-10	1.77E-11	5.54E-10	1.78E-10	3.04E-10	2.25E-11	5.04E-10	1.01E-10	1.67E-10	5.55E-12	2.74E-10
1657	741364.27	4108988.38	1.20E-09	2.19E-09	1.20E-10	3.51E-09	1.86E-10	3.59E-10	1.80E-11	5.63E-10	1.81E-10	3.09E-10	2.29E-11	5.13E-10	1.03E-10	1.70E-10	5.64E-12	2.79E-10
1658	741403.64	4108736.21	8.51E-10	1.55E-09	8.51E-11	2.49E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.97E-10
1659	741427.28	4108731.85	8.51E-10	1.55E-09	8.51E-11	2.49E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.98E-10
1660	741450.91	4108727.5	8.53E-10	1.55E-09	8.53E-11	2.49E-09	1.32E-10	2.55E-10	1.28E-11	4.00E-10	1.29E-10	2.19E-10	1.62E-11	3.64E-10	7.31E-11	1.21E-10	4.01E-12	1.98E-10
1661	741474.54	4108723.14	8.56E-10	1.56E-09	8.56E-11	2.50E-09	1.33E-10	2.56E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.33E-11	1.21E-10	4.02E-12	1.99E-10
1662	741498.17	4108718.78	8.59E-10	1.57E-09	8.60E-11	2.51E-09	1.33E-10	2.57E-10	1.29E-11	4.03E-10	1.30E-10	2.21E-10	1.64E-11	3.67E-10	7.36E-11	1.22E-10	4.04E-12	2.00E-10
1663	741521.81	4108714.43	8.64E-10	1.58E-09	8.65E-11	2.53E-09	1.34E-10	2.58E-10	1.30E-11	4.05E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.41E-11	1.23E-10	4.06E-12	2.01E-10
1664	741545.44	4108710.07	8.70E-10	1.59E-09	8.71E-11	2.54E-09	1.35E-10	2.60E-10	1.31E-11	4.08E-10	1.31E-10	2.24E-10	1.66E-11	3.72E-10	7.46E-11	1.23E-10	4.09E-12	2.02E-10
1665	741569.07	4108705.71	8.77E-10	1.60E-09	8.78E-11	2.56E-09	1.36E-10	2.62E-10	1.32E-11	4.11E-10	1.32E-10	2.25E-10	1.67E-11	3.74E-10	7.52E-11	1.24E-10	4.12E-12	2.04E-10
1666	741592.7	4108701.36	8.84E-10	1.61E-09	8.85E-11	2.58E-09	1.37E-10	2.64E-10	1.33E-11	4.15E-10	1.33E-10	2.27E-10	1.69E-11	3.78E-10	7.58E-11	1.25E-10	4.16E-12	2.05E-10
1667	741616.34	4108697	8.92E-10	1.63E-09	8.93E-11	2.61E-09	1.38E-10	2.67E-10	1.34E-11	4.18E-10	1.35E-10	2.29E-10	1.70E-11	3.81E-10	7.65E-11	1.27E-10	4.19E-12	2.07E-10
1668	741639.97	4108692.64	9.00E-10	1.64E-09	9.01E-11	2.63E-09	1.40E-10	2.69E-10	1.35E-11	4.22E-10	1.36E-10	2.31E-10	1.72E-11	3.84E-10	7.72E-11	1.28E-10	4.23E-12	2.09E-10
1669	741663.6	4108688.29	9.09E-10	1.66E-09	9.09E-11	2.66E-09	1.41E-10	2.71E-10	1.36E-11	4.26E-10	1.37E-10	2.34E-10	1.73E-11	3.88E-10	7.79E-11	1.29E-10	4.27E-12	2.11E-10
1670	741687.23	4108683.93	9.17E-10	1.67E-09	9.17E-11	2.68E-09	1.42E-10	2.74E-10	1.38E-11	4.30E-10	1.38E-10	2.36E-10	1.75E-11	3.91E-10	7.86E-11	1.30E-10	4.31E-12	2.13E-10
1671	741710.87	4108679.57	9.25E-10	1.69E-09	9.26E-11	2.70E-09	1.43E-10	2.76E-10	1.39E-11	4.34E-10	1.39E-10	2.38E-10	1.76E-11	3.95E-10	7.93E-11	1.31E-10	4.35E-12	2.15E-10
1672	741734.5	4108675.21	9.33E-10	1.70E-09	9.34E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.37E-10	1.41E-10	2.40E-10	1.78E-11	3.98E-10	8.00E-11	1.32E-10	4.38E-12	2.17E-10
1673	741758.13	4108670.86	9.41E-10	1.71E-09	9.42E-11	2.75E-09	1.46E-10	2.81E-10	1.41E-11	4.41E-10	1.42E-10	2.42E-10	1.79E-11	4.02E-10	8.06E-11	1.33E-10	4.42E-12	2.18E-10
1674	741781.76	4108666.5	9.49E-10	1.73E-09	9.50E-11	2.77E-09	1.47E-10	2.84E-10	1.42E-11	4.45E-10	1.43E-10	2.44E-10	1.81E-11	4.05E-10	8.13E-11	1.35E-10	4.46E-12	2.20E-10
1675	741805.39	4108662.14	9.57E-10	1.74E-09	9.58E-11	2.80E-09	1.48E-10	2.86E-10	1.44E-11	4.49E-10	1.44E-10	2.46E-10	1.82E-11	4.09E-10	8.20E-11	1.36E-10	4.50E-12	2.22E-10
1676	741829.03	4108657.79	9.65E-10	1.76E-09	9.66E-11	2.82E-09	1.50E-10	2.88E-10	1.45E-11	4.53E-10	1.46E-10	2.48E-10	1.84E-11	4.12E-10	8.27E-11	1.37E-10	4.54E-12	2.24E-10
1677	741852.66	4108653.43	9.74E-10	1.77E-09	9.75E-11	2.85E-09	1.51E-10	2.91E-10	1.46E-11	4.57E-10	1.47E-10	2.50E-10	1.86E-11	4.16E-10	8.35E-11	1.38E-10	4.58E-12	2.26E-10
1678	741876.29	4108649.07	9.83E-10	1.79E-09	9.84E-11	2.87E-09	1.52E-10	2.94E-10	1.48E-11	4.61E-10	1.48E-10	2.53E-10	1.87E-11	4.20E-10	8.42E-11	1.39E-10	4.62E-12	2.28E-10
1679	741899.92	4108644.72	9.92E-10	1.81E-09	9.93E-11	2.90E-09	1.54E-10	2.96E-10	1.49E-11	4.65E-10	1.50E-10	2.55E-10	1.89E-11	4.24E-10	8.50E-11	1.41E-10	4.66E-12	2.30E-10
1680	741923.56	4108640.36	1.00E-09	1.82E-09	1.00E-10	2.93E-09	1.55E-10	2.99E-10	1.50E-11	4.69E-10	1.51E-10	2.57E-10	1.91E-11	4.27E-10	8.58E-11	1.42E-10	4.70E-12	2.32E-10
1681	741947.19	4108636	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.57E-10	3.01E-10	1.51E-11	4.73E-10	1.52E-10	2.59E-10	1.92E-11	4.31E-10	8.65E-11	1.43E-10	4.74E-12	2.34E-10
1682	741970.82	4108631.65	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.53E-11	4.76E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.71E-11	1.44E-10	4.78E-12	2.36E-10
1683	741994.45	4108627.29	1.02E-09	1.86E-09	1.02E-10	2.99E-09	1.59E-10	3.05E-10	1.53E-11	4.79E-10	1.54E-10	2.63E-10	1.95E-11	4.36E-10	8.76E-11	1.45E-10	4.80E-12	2.37E-10
1684	742018.09	4108622.93	1.03E-09	1.87E-09	1.03E-10	3.00E-09	1.59E-10	3.07E-10	1.54E-11	4.81E-10	1.55E-10	2.64E-10	1.96E-11	4.38E-10	8.80E-11	1.46E-10	4.82E-12	2.38E-10
1685	742041.72	4108618.58	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.54E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.39E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
1686	742065.35	4108614.22	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.83E-11	1.46E-10	4.85E-12	2.39E-10
1687	742088.98	4108609.86	1.03E-09	1.88E-09	1.03E-10	3.02E-09	1.60E-10	3.08E-10	1.55E-11	4.84E-10	1.56E-10	2.65E-10	1.97E-11	4.41E-10	8.84E-11	1.46E-10	4.85E-12	2.40E-10
1688	742112.62	4108605.51	1.03E-09	1.88E-09	1.03E-10	3.02E-09	1.60E-10	3.09E-10	1.55E-11	4.84E-10	1.56E-10	2.65E-10	1.97E-11	4.41E-10	8.85E-11	1.46E-10	4.85E-12	2.40E-10
1689	742136.25	4108601.15	1.03E-09	1.89E-09	1.04E-10	3.02E-09	1.60E-10	3.09E-10	1.55E-11	4.85E-10	1.56E-10	2.66E-10	1.97E-11	4.42E-10	8.86E-11	1.47E-10	4.86E-12	2.40E-10
1690	742159.88	4108596.79	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.10E-10	1.56E-11	4.86E-10	1.56E-10	2.67E-10	1.98E-11	4.43E-10	8.89E-11	1.47E-10	4.87E-12	2.41E-10
1691	742183.51	4108592.44	1.04E-09	1.90E-09	1.04E-10	3.04E-09	1.61E-10	3.11E-10	1.56E-11	4.88E-10	1.57E-10	2.68E-10	1.98E-11	4.45E-10	8.92E-11	1.48E-10	4.89E-12	2.42E-10
1692	742207.15	4108588.08	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.13E-10	1.57E-11	4.91E-10	1.58E-10	2.69E-10	2.00E-11	4.47E-10	8.98E-11	1.49E-10	4.92E-12	2.43E-10
1693	742230.78	4108583.72	1.06E-09	1.92E-09	1.06E-10	3.09E-09	1.64E-10	3.16E-10	1.59E-11	4.95E-10	1.59E-10	2.72E-10	2.01E-11	4.51E-10	9.05E-11	1.50E-10	4.96E-12	2.45E-10
1694	742254.41	4108579.37	1.07E-09	1.94E-09	1.07E-10	3.12E-09	1.65E-10	3.19E-10	1.60E-11	5.00E-10	1.61E-10	2.74E-10	2.03E-11	4.55E-10	9.14E-11	1.51E-10	5.01E-12	2.48E-10
1695	742278.04	4108575.01	1.08E-09	1.97E-09	1.08E-10	3.15E-09	1.67E-10	3.22E-10	1.62E-11	5.06E-10	1.63E-10	2.77E-10	2.06E-11	4.61E-10	9.24E-11	1.53E-10	5.07E-12	2.50E-10
1696	742301.68	4108570.65	1.09E-09	1.99E-09	1.09E-10	3.19E-09	1.69E-10	3.26E-10	1.64E-11	5.12E-10	1.65E-10	2.81E-10	2.08E-11	4.66E-10	9.35E-11	1.55E-10	5.13E-12	2.53E-10
1697	742325.31	4108566.29	1.10E-09	2.01E-09	1.10E-10	3.23E-09	1.71E-10	3.30E-10	1.66E-11	5.17E-10	1.66E-10	2.84E-10	2.10E-11	4.71E-10	9.46E-11	1.56E-10	5.19E-12	2.56E-10
1698	742368.84	4108575.41	1.15E-09	2.09E-09	1.15E-10	3.35E-09	1.78E-10	3.43E-10	1.72E-11	5.38E-10	1.73E-10	2.95E-10	2.19E-11	4.90E-10	9.84E-11	1.63E-10	5.39E-12	2.67E-10
1699	742388.74	4108588.88	1.18E-09	2.15E-09	1.18E-10	3.44E-09	1.83E-10	3.52E-10	1.77E-11	5.53E-10	1.78E-10	3.03E-10	2.25E-11	5.03E-10	1.01E-10	1.67E-10	5.54E-12	2.74E-10
1700	742408.64	4108602.35	1.21E-09	2.20E-09	1.21E-10	3.53E-09	1.87E-10	3.61E-10	1.81E-11	5.66E-10	1.82E-10	3.10E-10	2.30E-11	5.15E-10	1.03E-10	1.71E-10	5.67E-12	2.80E-10
1701	742428.54	4108615.82	1.23E-09	2.25E-09	1.23E-10	3.60E-09	1.91E-10	3.68E-10	1.85E-11	5.78E-10	1.86E-10	3.17E-10	2.35E-11	5.26E-10	1.06E-10	1.75E-10	5.79E-12	2.86E-10
1702	742448.45	4108629.29	1.25E-09	2.29E-09	1.26E-10	3.67E-09	1.95E-10	3.75E-10	1.88E-11	5.88E-10	1.89E-10	3.23E-10	2.39E-11	5.36E-10	1.08E-10	1.78E-10	5.90E-12	2.91E-10
1703	742468.35	4108642.75	1.27E-09	2.32E-09	1.27E-10	3.72E-09	1.97E-10	3.80E-10	1.91E-11	5.97E-10	1.92E-10	3.27E-10	2.43E-11	5.44E-10	1.09E-10	1.81E-10	5.99E-12	2.96E-10
1704	742488.25	4108656.22	1.29E-09	2.35E-09	1.29E-10	3.77E-09	2.00E-10	3.85E-10	1.94E-11	6.05E-10	1.95E-10	3.32E-10	2.46E-11	5.51E-10	1.11E-10	1.83E-10	6.06E-12	3.00E-10
1705	742508.15	4108669.69	1.30E-09	2.38E-09	1.31E-10	3.81E-09	2.02E-10	3.90E-10	1.96E-11	6.12E-10	1.97E-10	3.35E-10	2.49E-11	5.57E-10	1.12E-10	1.85E-10	6.13E-12	3.03E-10
1706	742528.05	4108683.16	1.32E-09	2.40E-09	1.32E-10	3.85E-09	2.05E-10	3.94E-10	1.98E-11	6.18E-10	1.99E-10	3.39E-10	2.51E-11	5.63E-10	1.13E-10	1.87E-10	6.20E-12	3.06E-10
1707	742547.95	4108696.63	1.33E-09	2.43E-09	1.33E-10	3.90E-09	2.07E-10	3.98E-10	2.00E-11	6.25E-10	2.01E-10	3.43E-10	2.54E-11	5.69E-10	1.14E-10	1.89E-10	6.26E-12	3.10E-10
1708	742567.85	4108710.1	1.35E-09	2.46E-09	1.35E-10	3.94E-09	2.09E-10	4.03E-10	2.02E-11	6.32E-10	2.03E-10	3.47E-10	2.57E-11	5.76E-10	1.16E-10	1.91E-10	6.34E-12	3.13E-10
1709	742587.75	4108723.57	1.37E-09	2.49E-09	1.37E-10	3.99E-09	2.12E-10	4.08E-10	2.05E-11	6.40E-10	2.06E-10	3.51E-10	2.60E-11	5.83E-10	1.17E-10	1.94E-10	6.42E-12	3.17E-10
1710	742607.65	4108737.04	1.38E-09	2.52E-09	1.39E-10	4.05E-09	2.15E-10	4.14E-10	2.08E-11	6.49E-10	2.09E-10	3.56E-10	2.64E-11	5.91E-10	1.19E-10	1.96E-10	6.51E-12	3.21E-10
1711	742627.55	4108750.51	1.41E-09	2.56E-09	1.41E-10	4.11E-09	2.18E-10	4.20E-10	2.11E-11	6.60E-10	2.12E-10	3.62E-10	2.68E-11	6.01E-10	1.21E-10	1.99E-10	6.61E-12	3.27E-10
1712	742647.45	4108763.98	1.43E-09	2.61E-09	1.43E-10	4.19E-09	2.22E-10	4.28E-10	2.15E-11	6.72E-10	2.16E-10	3.68E-10	2.73E-11	6.12E-10	1.23E-10	2.03E-10	6.74E-12	3.33E-10
1713	742667.36	4108777.45	1.46E-09	2.67E-09	1.47E-10	4.28E-09	2.27E-10	4.37E-10	2.20E-11	6.87E-10	2.21E-10	3.76E-10	2.79E-11	6.25E-10	1.25E-10	2.08E-10	6.88E-12	3.40E-10
1714	742687.26	4108790.92	1.50E-09	2.74E-09	1.50E-10	4.39E-09	2.33E-10	4.48E-10	2.25E-11	7.04E-10	2.26E-10	3.86E-10	2.86E-11	6.41E-10	1.29E-10	2.13E-10	7.06E-12	3.49E-10
1715	742707.16	4108804.39	1.55E-09	2.82E-09	1.55E-10	4.52E-09	2.40E-10	4.62E-10	2.32E-11	7.24E-10	2.33E-10	3.97E-10	2.94E-11	6.60E-10	1.32E-10	2.19E-10	7.26E-12	3.59E-10
1716	742727.06	4108817.86	1.60E-09	2.91E-09	1.60E-10	4.67E-09	2.48E-10	4.77E-10	2.40E-11	7.48E-10	2.41E-10	4.10E-10	3.04E-11	6.82E-10	1.37E-10	2.26E-10	7.50E-12	3.71E-10
1717	742746.96	4108831.33	1.66E-09	3.02E-09	1.66E-10	4.84E-09	2.57E-10	4.95E-10	2.48E-11	7.76E-10	2.50E-10	4.26E-10	3.15E-11	7.07E-10	1.42E-10	2.35E-10	7.78E-12	3.84E-10
1718	742766.86	4108844.8	1.72E-09	3.14E-09	1.72E-10	5.03E-09	2.67E-10	5.14E-10	2.58E-11	8.07E-10	2.60E-10	4.42E-10	3.28E-11	7.35E-10	1.47E-10	2.44E-10	8.09E-12	4.00E-10
1719	742786.76	4108858.27	1.79E-09	3.27E-09	1.80E-10	5.24E-09	2.78E-10	5.36E-10	2.69E-11	8.41E-10	2.71E-10	4.61E-10	3.42E-11	7.66E-10	1.54E-10	2.54E-10	8.43E-12	4.17E-10
1720	742806.66	4108871.74	1.87E-09	3.41E-09	1.87E-10	5.47E-09	2.91E-10	5.60E-10	2.81E-11	8.78E-10	2.82E-10	4.82E-10	3.57E-11	8.00E-10	1.61E-10	2.66E-10	8.80E-12	4.35E-10
1721	742826.56	4108885.2	1.96E-09	3.57E-09	1.96E-10	5.72E-09	3.03E-10	5.85E-10	2.94E-11	9.17E-10	2.95E-10	5.03E-10	3.73E-11	8.35E-10	1.68E-10	2.77E-10	9.20E-12	4.54E-10
1722	742846.46	4108898.67	2.04E-09	3.72E-09	2.05E-10	5.97E-09	3.17E-10	6.11E-10	3.07E-11	9.58E-10	3.08E-10	5.25E-10	3.89E-11	8.73E-10	1.75E-10	2.90E-10	9.61E-12	4.75E-10
1723	742866.36	4108912.14	2.13E-09	3.89E-09	2.14E-10	6.24E-09	3.31E-10	6.38E-10	3.20E-11	1.00E-09	3.22E-10	5.49E-10	4.07E-11	9.11E-10	1.83E-10	3.03E-10	1.00E-11	4.95E-10
1724	742886.27	4108925.61	2.23E-09	4.06E-09	2.23E-10	6.50E-09	3.45E-10	6.65E-10	3.34E-11	1.04E-09	3.36E-10	5.72E-10	4.24E-11	9.50E-10	1.91E-10	3.16E-10	1.05E-11	5.17E-10

1725	742906.17	4108939.08	2.32E-09	4.22E-09	2.32E-10	6.77E-09	3.59E-10	6.92E-10	3.48E-11	1.09E-09	3.49E-10	5.95E-10	4.41E-11	9.89E-10	1.98E-10	3.28E-10	1.09E-11	5.38E-10
1726	742926.07	4108952.55	2.40E-09	4.38E-09	2.40E-10	7.02E-09	3.73E-10	7.18E-10	3.61E-11	1.13E-09	3.62E-10	6.18E-10	4.58E-11	1.03E-09	2.06E-10	3.41E-10	1.13E-11	5.58E-10
1727	742945.97	4108966.02	2.48E-09	4.52E-09	2.48E-10	7.26E-09	3.85E-10	7.42E-10	3.73E-11	1.16E-09	3.74E-10	6.38E-10	4.73E-11	1.06E-09	2.13E-10	3.52E-10	1.17E-11	5.77E-10
1728	742965.87	4108979.49	2.56E-09	4.67E-09	2.57E-10	7.49E-09	3.98E-10	7.66E-10	3.85E-11	1.20E-09	3.87E-10	6.59E-10	4.89E-11	1.09E-09	2.20E-10	3.64E-10	1.20E-11	5.95E-10
1729	742985.77	4108992.96	2.64E-09	4.80E-09	2.64E-10	7.70E-09	4.09E-10	7.87E-10	3.96E-11	1.24E-09	3.97E-10	6.78E-10	5.02E-11	1.13E-09	2.26E-10	3.74E-10	1.24E-11	6.12E-10
1730	743005.67	4109006.43	2.70E-09	4.92E-09	2.70E-10	7.88E-09	4.18E-10	8.06E-10	4.05E-11	1.26E-09	4.07E-10	6.94E-10	5.14E-11	1.15E-09	2.31E-10	3.83E-10	1.27E-11	6.26E-10
1731	743025.57	4109019.9	2.75E-09	5.00E-09	2.75E-10	8.02E-09	4.26E-10	8.20E-10	4.12E-11	1.29E-09	4.14E-10	7.06E-10	5.23E-11	1.17E-09	2.35E-10	3.89E-10	1.29E-11	6.38E-10
1732	743045.47	4109033.37	2.79E-09	5.08E-09	2.79E-10	8.15E-09	4.33E-10	8.34E-10	4.19E-11	1.31E-09	4.21E-10	7.17E-10	5.32E-11	1.19E-09	2.39E-10	3.96E-10	1.31E-11	6.48E-10
1733	743065.37	4109046.84	2.83E-09	5.16E-09	2.83E-10	8.28E-09	4.39E-10	8.46E-10	4.25E-11	1.33E-09	4.27E-10	7.28E-10	5.40E-11	1.21E-09	2.43E-10	4.02E-10	1.33E-11	6.58E-10
1734	743085.27	4109060.31	2.87E-09	5.23E-09	2.87E-10	8.38E-09	4.45E-10	8.57E-10	4.30E-11	1.34E-09	4.33E-10	7.37E-10	5.47E-11	1.22E-09	2.46E-10	4.07E-10	1.35E-11	6.66E-10
1735	743105.18	4109073.78	2.90E-09	5.28E-09	2.90E-10	8.47E-09	4.50E-10	8.66E-10	4.35E-11	1.36E-09	4.37E-10	7.45E-10	5.53E-11	1.24E-09	2.48E-10	4.11E-10	1.36E-11	6.73E-10
1736	743125.08	4109087.25	2.93E-09	5.34E-09	2.93E-10	8.56E-09	4.54E-10	8.75E-10	4.40E-11	1.37E-09	4.42E-10	7.53E-10	5.58E-11	1.25E-09	2.51E-10	4.15E-10	1.38E-11	6.80E-10
1737	743144.98	4109100.72	2.96E-09	5.39E-09	2.96E-10	8.64E-09	4.59E-10	8.84E-10	4.44E-11	1.39E-09	4.46E-10	7.60E-10	5.64E-11	1.26E-09	2.53E-10	4.19E-10	1.39E-11	6.87E-10
1738	741380.01	4108740.57	8.51E-10	1.55E-09	8.51E-11	2.49E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.98E-10
1739	741359.37	4108753.82	8.62E-10	1.57E-09	8.62E-11	2.52E-09	1.34E-10	2.57E-10	1.29E-11	4.04E-10	1.30E-10	2.22E-10	1.64E-11	3.68E-10	7.39E-11	1.22E-10	4.05E-12	2.00E-10
1740	741338.73	4108767.08	8.75E-10	1.59E-09	8.75E-11	2.56E-09	1.36E-10	2.61E-10	1.31E-11	4.10E-10	1.32E-10	2.25E-10	1.67E-11	3.73E-10	7.49E-11	1.24E-10	4.11E-12	2.03E-10
1741	741318.1	4108780.34	8.88E-10	1.62E-09	8.89E-11	2.60E-09	1.38E-10	2.65E-10	1.33E-11	4.16E-10	1.34E-10	2.28E-10	1.69E-11	3.79E-10	7.61E-11	1.26E-10	4.17E-12	2.06E-10
1742	741297.46	4108793.59	9.03E-10	1.65E-09	9.04E-11	2.64E-09	1.40E-10	2.70E-10	1.36E-11	4.23E-10	1.36E-10	2.32E-10	1.72E-11	3.86E-10	7.74E-11	1.28E-10	4.24E-12	2.10E-10
1743	741276.82	4108806.85	9.19E-10	1.67E-09	9.19E-11	2.68E-09	1.42E-10	2.74E-10	1.38E-11	4.31E-10	1.39E-10	2.36E-10	1.75E-11	3.92E-10	7.87E-11	1.30E-10	4.32E-12	2.13E-10
1744	741256.18	4108820.11	9.35E-10	1.70E-09	9.35E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.38E-10	1.41E-10	2.40E-10	1.78E-11	3.99E-10	8.01E-11	1.33E-10	4.39E-12	2.17E-10
1745	741295.71	4108567.91	6.88E-10	1.25E-09	6.89E-11	2.01E-09	1.07E-10	2.06E-10	1.03E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.90E-11	9.76E-11	3.24E-12	1.60E-10
1746	741319.5	4108563.52	6.89E-10	1.25E-09	6.89E-11	2.01E-09	1.07E-10	2.06E-10	1.03E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.90E-11	9.76E-11	3.24E-12	1.60E-10
1747	741343.28	4108559.14	6.90E-10	1.26E-09	6.90E-11	2.02E-09	1.07E-10	2.06E-10	1.03E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.91E-11	9.78E-11	3.24E-12	1.60E-10
1748	741367.07	4108554.75	6.91E-10	1.26E-09	6.91E-11	2.02E-09	1.07E-10	2.06E-10	1.04E-11	3.24E-10	1.04E-10	1.78E-10	1.32E-11	2.95E-10	5.92E-11	9.80E-11	3.25E-12	1.60E-10
1749	741390.86	4108550.36	6.93E-10	1.26E-09	6.93E-11	2.03E-09	1.07E-10	2.07E-10	1.04E-11	3.25E-10	1.05E-10	1.78E-10	1.32E-11	2.96E-10	5.94E-11	9.83E-11	3.26E-12	1.61E-10
1750	741414.65	4108545.98	6.96E-10	1.27E-09	6.96E-11	2.03E-09	1.08E-10	2.08E-10	1.04E-11	3.26E-10	1.05E-10	1.79E-10	1.33E-11	2.97E-10	5.96E-11	9.86E-11	3.27E-12	1.61E-10
1751	741438.43	4108541.59	6.99E-10	1.27E-09	6.99E-11	2.04E-09	1.08E-10	2.09E-10	1.05E-11	3.28E-10	1.05E-10	1.80E-10	1.33E-11	2.98E-10	5.99E-11	9.91E-11	3.28E-12	1.62E-10
1752	741462.22	4108537.21	7.03E-10	1.28E-09	7.03E-11	2.05E-09	1.09E-10	2.10E-10	1.05E-11	3.29E-10	1.06E-10	1.81E-10	1.34E-11	3.00E-10	6.02E-11	9.96E-11	3.30E-12	1.63E-10
1753	741486.01	4108532.82	7.07E-10	1.29E-09	7.08E-11	2.07E-09	1.10E-10	2.11E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.02E-10	6.06E-11	1.00E-10	3.32E-12	1.64E-10
1754	741509.79	4108528.44	7.12E-10	1.30E-09	7.13E-11	2.08E-09	1.10E-10	2.13E-10	1.07E-11	3.34E-10	1.07E-10	1.83E-10	1.36E-11	3.04E-10	6.10E-11	1.01E-10	3.35E-12	1.65E-10
1755	741533.58	4108524.05	7.18E-10	1.31E-09	7.19E-11	2.10E-09	1.11E-10	2.15E-10	1.08E-11	3.37E-10	1.08E-10	1.85E-10	1.37E-11	3.07E-10	6.15E-11	1.02E-10	3.38E-12	1.67E-10
1756	741557.37	4108519.67	7.24E-10	1.32E-09	7.25E-11	2.12E-09	1.12E-10	2.16E-10	1.09E-11	3.40E-10	1.09E-10	1.86E-10	1.38E-11	3.09E-10	6.21E-11	1.03E-10	3.40E-12	1.68E-10
1757	741581.16	4108515.28	7.31E-10	1.33E-09	7.31E-11	2.13E-09	1.13E-10	2.18E-10	1.10E-11	3.43E-10	1.10E-10	1.88E-10	1.39E-11	3.12E-10	6.26E-11	1.04E-10	3.43E-12	1.70E-10
1758	741604.94	4108510.9	7.37E-10	1.34E-09	7.37E-11	2.15E-09	1.14E-10	2.20E-10	1.11E-11	3.46E-10	1.11E-10	1.89E-10	1.40E-11	3.15E-10	6.32E-11	1.05E-10	3.46E-12	1.71E-10
1759	741628.73	4108506.51	7.43E-10	1.35E-09	7.44E-11	2.17E-09	1.15E-10	2.22E-10	1.12E-11	3.49E-10	1.12E-10	1.91E-10	1.42E-11	3.17E-10	6.37E-11	1.05E-10	3.49E-12	1.73E-10
1760	741652.52	4108502.13	7.50E-10	1.37E-09	7.50E-11	2.19E-09	1.16E-10	2.24E-10	1.13E-11	3.51E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.42E-11	1.06E-10	3.52E-12	1.74E-10
1761	741676.3	4108497.74	7.56E-10	1.38E-09	7.56E-11	2.21E-09	1.17E-10	2.26E-10	1.13E-11	3.54E-10	1.14E-10	1.94E-10	1.44E-11	3.23E-10	6.48E-11	1.07E-10	3.55E-12	1.75E-10
1762	741700.09	4108493.36	7.61E-10	1.39E-09	7.62E-11	2.23E-09	1.18E-10	2.27E-10	1.14E-11	3.57E-10	1.15E-10	1.96E-10	1.45E-11	3.25E-10	6.52E-11	1.08E-10	3.58E-12	1.77E-10
1763	741723.88	4108488.97	7.67E-10	1.40E-09	7.68E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.60E-10	1.16E-10	1.97E-10	1.46E-11	3.27E-10	6.57E-11	1.09E-10	3.60E-12	1.78E-10
1764	741747.67	4108484.58	7.73E-10	1.41E-09	7.73E-11	2.26E-09	1.20E-10	2.31E-10	1.16E-11	3.62E-10	1.16E-10	1.99E-10	1.47E-11	3.30E-10	6.62E-11	1.10E-10	3.63E-12	1.79E-10
1765	741771.45	4108480.2	7.78E-10	1.42E-09	7.79E-11	2.27E-09	1.21E-10	2.32E-10	1.17E-11	3.65E-10	1.17E-10	2.00E-10	1.48E-11	3.32E-10	6.67E-11	1.10E-10	3.66E-12	1.81E-10
1766	741795.24	4108475.81	7.84E-10	1.43E-09	7.84E-11	2.29E-09	1.22E-10	2.34E-10	1.18E-11	3.68E-10	1.18E-10	2.02E-10	1.49E-11	3.35E-10	6.72E-11	1.11E-10	3.68E-12	1.82E-10
1767	741819.03	4108471.43	7.90E-10	1.44E-09	7.90E-11	2.31E-09	1.23E-10	2.36E-10	1.19E-11	3.70E-10	1.19E-10	2.03E-10	1.51E-11	3.37E-10	6.77E-11	1.12E-10	3.71E-12	1.83E-10
1768	741842.81	4108467.04	7.96E-10	1.45E-09	7.97E-11	2.33E-09	1.23E-10	2.38E-10	1.20E-11	3.73E-10	1.20E-10	2.05E-10	1.52E-11	3.40E-10	6.82E-11	1.13E-10	3.74E-12	1.85E-10
1769	741866.6	4108462.66	8.03E-10	1.46E-09	8.04E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.76E-10	1.21E-10	2.06E-10	1.53E-11	3.43E-10	6.88E-11	1.14E-10	3.77E-12	1.86E-10
1770	741890.39	4108458.27	8.10E-10	1.48E-09	8.10E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.08E-10	1.54E-11	3.46E-10	6.94E-11	1.15E-10	3.81E-12	1.88E-10
1771	741914.17	4108453.89	8.17E-10	1.49E-09	8.17E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
1772	741937.96	4108449.5	8.23E-10	1.50E-09	8.24E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.86E-10	1.24E-10	2.12E-10	1.57E-11	3.51E-10	7.05E-11	1.17E-10	3.87E-12	1.91E-10
1773	741961.75	4108445.12	8.29E-10	1.51E-09	8.30E-11	2.42E-09	1.29E-10	2.48E-10	1.24E-11	3.89E-10	1.25E-10	2.13E-10	1.58E-11	3.54E-10	7.10E-11	1.18E-10	3.90E-12	1.92E-10
1774	741985.54	4108440.73	8.34E-10	1.52E-09	8.34E-11	2.44E-09	1.29E-10	2.49E-10	1.25E-11	3.91E-10	1.26E-10	2.14E-10	1.59E-11	3.56E-10	7.14E-11	1.18E-10	3.92E-12	1.94E-10
1775	742009.32	4108436.35	8.37E-10	1.53E-09	8.38E-11	2.45E-09	1.30E-10	2.50E-10	1.26E-11	3.93E-10	1.26E-10	2.15E-10	1.60E-11	3.57E-10	7.17E-11	1.19E-10	3.93E-12	1.94E-10
1776	742033.11	4108431.96	8.40E-10	1.53E-09	8.40E-11	2.45E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.58E-10	7.19E-11	1.19E-10	3.95E-12	1.95E-10
1777	742056.9	4108427.58	8.41E-10	1.53E-09	8.41E-11	2.46E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.21E-11	1.19E-10	3.95E-12	1.95E-10
1778	742080.68	4108423.19	8.41E-10	1.53E-09	8.42E-11	2.46E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.21E-11	1.19E-10	3.95E-12	1.95E-10
1779	742104.47	4108418.8	8.41E-10	1.53E-09	8.41E-11	2.46E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.20E-11	1.19E-10	3.95E-12	1.95E-10
1780	742128.26	4108414.42	8.40E-10	1.53E-09	8.40E-11	2.45E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.20E-11	1.19E-10	3.95E-12	1.95E-10
1781	742152.05	4108410.03	8.39E-10	1.53E-09	8.40E-11	2.45E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.58E-10	7.19E-11	1.19E-10	3.94E-12	1.95E-10
1782	742175.83	4108405.65	8.40E-10	1.53E-09	8.40E-11	2.45E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.58E-10	7.20E-11	1.19E-10	3.95E-12	1.95E-10
1783	742199.62	4108401.26	8.41E-10	1.53E-09	8.42E-11	2.46E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.21E-11	1.19E-10	3.95E-12	1.95E-10
1784	742223.41	4108396.88	8.44E-10	1.54E-09	8.45E-11	2.47E-09	1.31E-10	2.52E-10	1.27E-11	3.96E-10	1.27E-10	2.17E-10	1.61E-11	3.60E-10	7.23E-11	1.20E-10	3.97E-12	1.96E-10
1785	742247.19	4108392.49	8.49E-10	1.55E-09	8.50E-11	2.48E-09	1.32E-10	2.54E-10	1.27E-11	3.98E-10	1.28E-10	2.18E-10	1.62E-11	3.63E-10	7.28E-11	1.20E-10	3.99E-12	1.97E-10
1786	742270.98	4108388.11	8.56E-10	1.56E-09	8.56E-11	2.50E-09	1.33E-10	2.56E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.33E-11	1.21E-10	4.02E-12	1.99E-10
1787	742294.77	4108383.72	8.64E-10	1.57E-09	8.64E-11	2.52E-09	1.34E-10	2.58E-10	1.30E-11	4.05E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.40E-11	1.22E-10	4.06E-12	2.01E-10
1788	742318.56	4108379.34	8.73E-10	1.59E-09	8.74E-11	2.55E-09	1.35E-10	2.61E-10	1.31E-11	4.09E-10	1.32E-10	2.24E-10	1.66E-11	3.73E-10	7.48E-11	1.24E-10	4.10E-12	2.03E-10
1789	742342.34	4108374.95	8.84E-10	1.61E-09	8.84E-11	2.58E-09	1.37E-10	2.64E-10	1.33E-11	4.14E-10	1.33E-10	2.27E-10	1.68E-11	3.77E-10	7.57E-11	1.25E-10	4.15E-12	2.05E-10
1790	742366.13	4108370.57	8.95E-10	1.63E-09	8.95E-11	2.61E-09	1.39E-10	2.67E-10	1.34E-11	4.19E-10	1.35E-10	2.30E-10	1.70E-11	3.82E-10	7.67E-11	1.27E-10	4.20E-12	2.08E-10
1791	742409.95	4108379.74	9.32E-10	1.70E-09	9.32E-11	2.72E-09	1.44E-10	2.78E-10	1.40E-11	4.37E-10	1.40E-10	2.39E-10	1.78E-11	3.98E-10	7.98E-11	1.32E-10	4.38E-12	2.16E-10
1792	742429.98	4108393.3	9.57E-10	1.74E-09	9.57E-11	2.80E-09	1.48E-10	2.86E-10	1.44E-11	4.49E-10	1.44E-10	2.46E-10	1.82E-11	4.09E-10	8.20E-11	1.36E-10	4.50E-12	2.22E-10
1793	742450.01	4108406.85	9.80E-10	1.79E-09	9.81E-11	2.86E-09	1.52E-10	2.93E-10	1.47E-11	4.60E-10	1.48E-10	2.52E-10	1.87E-11	4.19E-10	8.40E-11	1.39E-10	4.61E-12	2.28E-10
1794	742470.04	4108420.41	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.55E-10	2.99E-10	1.50E-11	4.70E-10	1.51E-10	2.57E-10	1.91E-11	4.28E-10	8.58E-11	1.42E-10	4.71E-12	2.33E-10
1795	742490.07	4108433.97	1.02E-09	1.86E-09	1.02E-10	2.98E-09	1.58E-10	3.05E-10	1.53E-11	4.78E-10	1.54E-10	2.62E-10	1.94E-11	4.35E-10	8.74E-11	1.45E-10	4.79E-12	2.37E-10
1796	742510.1	4108447.53	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.09E-10	1.55E-11	4.85E-10	1.56E-10	2.66E-10	1.97E-11	4.42E-10	8.87E-11	1.47E-10	4.86E-12	2.40E-10
1797	742530.14	4108461.08	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.13E-10	1.57E-11	4.91E-10	1.58E-10	2.69E-10	2.00E-11	4.47E-10	8.98E-11	1.49E-10	4.92E-12	2.43E-10
1798	742550.17	4108474.64	1.06E-09	1.93E-09	1.06E-10	3.09E-09	1.64E-10	3.16E-10	1.59E-11	4.96E-10	1.60E-10	2.72E-10	2.02E-11	4.52E-10	9.06E-11	1.50E-10	4.97E-12	2.46E-10
1799	742570.2	4108488.2	1.07E-09	1.94E-09	1.07E-10	3.12E-09	1.65E-10	3.19E-10	1.60E-11	5.00E-10	1.61E-10	2.74E-10	2.03E-11	4.55E-10	9.14E-11	1.51E-10	5.01E-12	2.48E-10
1800	742590.23	4108501.76	1.07E-09	1.96E-09	1.07E-10	3.14E-09	1.66E-10	3.21E-10	1.61E-11	5.03E-10	1.62E-10	2.76E-10	2.05E-11	4.58E-10	9.20E-11	1.52E-10	5.04E-12	2.49E-10
1801	742610.26	4108515.31	1.08E-09	1.97E-09	1.08E-10	3.16E-09	1.68E-10	3.23E-10	1.62E-11	5.07E-10	1.63E-10	2.78E-10	2.06E-11	4.61E-10	9.26E-11	1.53E-10	5.08E-12	2.51E-10
1802	742630.29	4108528.87	1.09E-09	1.98E-09	1.09E-10	3.18E-09	1.69E-10	3.25E-10	1.63E-11	5.10E-10	1.64E-10	2.80E-10	2.07E-11	4.64E-10	9.32E-11	1.54E-10	5.11E-12	2.53E-10
1803	742650.32	4108542.43	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.28E-10	1.65E-11	5.14E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.40E-11	1.56E-10	5.15E-12	2.55E-10
1804	742670.35	4108555.99	1.11E-09	2.02E-09	1.11E-10	3.24E-09	1.72E-10	3.31E-10	1.66E-11	5.19E-10	1.67E-10	2.85E-10	2.11E-11	4.73E-10	9.49E-11	1.57E-10	5.20E-12	2.57E-10
1805	742690.39	4108569.55	1.12E-09	2.04E-09	1.12E-10	3.27E-09	1.74E-10	3.35E-10	1.68E-11	5.25E-10	1.69E-10	2.88E-10	2.13E-11	4.78E-10	9.60E-11	1.59E-10	5.26E-12	2.60E-10
1806	742710.42	4108583.1	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.39E-10	1.70E-11	5.32E-10	1.71E-10	2.92E-10	2.16E-11	4.85E-10	9.73E-11	1.61E-10	5.33E-12	2.64E-10
1807	742730.45	4108596.66	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.45E-10	1.73E-11	5.41E-10	1.74E-10	2.96E-10	2.20E-11	4.92E-10	9.88E-11	1.64E-10	5.42E-12	2.68E-10
1808	742750.48	4108610.22	1.18E-09	2.14E-09	1.18E-10	3.43E-09	1.82E-10	3.51E-10	1.76E-11	5.51E-10	1.77E-10	3.02E-10	2.24E-11	5.02E-10	1.01E-10	1.67E-10	5.52E-12	2.73E-10
1809	742770.51	4108623.78	1.20E-09	2.19E-09	1.20E-10	3.51E-09	1.86E-10	3.59E-10	1.80E-11	5.63E-10	1.81E-10	3.09E-10	2.29E-11	5.13E-10	1.03E-10	1.70E-10	5.64E-12	2.79E-10
1810	742790.54	4108637.33	1.23E-09	2.24E-09	1.23E-10	3.60E-09	1.91E-10	3.68E-10	1.85E-11	5.77E-10	1.86E-10	3.16E-10	2.35E-11	5.26E-10	1.05E-10	1.75E-10	5.79E-12	2.86E-10
1811	742810.57	4108650.89	1.27E-09	2.31E-09	1.27E-10	3.70E-09	1.96E-10	3.78E-10	1.90E-11	5.94E-10	1.91E-10	3.25E-10	2.41E-11	5.40E-10	1.08E-10	1.80E-10	5.95E-12	2.94E-10
1812	742830.6	4108664.45	1.31E-09	2.38E-09	1.31E-10	3.82E-09	2.03E-10	3.90E-10	1.96E-11	6.12E-10	1.97E-10	3.36E-10	2.49E-11	5.58E-10	1.12E-10	1.85E-10	6.14E-12	3.03E-10
1813	742850.64	4108678.01	1.35E-09	2.46E-09	1.35E-10	3.95E-09	2.09E-10	4.03E-10	2.03E-11	6.33E-10	2.04E-10	3.47E-10	2.57E-11	5.76E-10	1.16E-10	1.91E-10	6.35E-12	3.14E-10
1814	742870.67	4108691.56	1.40E-09	2.55E-09	1.40E-10	4.09E-09	2.17E-10	4.18E-10	2.10E-11	6.56E-10	2.11E-10	3.60E-10	2.67E-11	5.97E-10	1.20E-10	1.98E-10	6.58E-12	3.25E-10
1815	742890.7	4108705.12	1.45E-09	2.65E-09	1.45E-10	4.24E-09	2.25E-10	4.34E-10	2.18E-11	6.81E-10	2.19E-10	3.73E-10	2.77E-11	6.20E-10	1.24E-10	2.06E-10	6.82E-12	3.37E-10
1816	742910.73	4108718.68	1.51E-09	2.75E-09	1.51E-10	4.41E-09	2.34E-10	4.51E-10	2.26E-11	7.07E-10	2.27E-10	3.88E-10	2.87E-11	6.44E-10	1.29E-10	2.14E-10	7.09E-12	3.50E-10
1817	742930.76	4108732.24	1.57E-09	2.86E-09	1.57E-10	4.58E-09	2.43E-10	4.68E-10	2.35E-11	7.35E-10	2.36E-10	4.03E-10	2.99E-11	6.69E-10	1.34E-10	2.22E-10	7.37E-12	3.64E-10
1818	742950.79	4108745.79	1.63E-09	2.97E-09	1.63E-10	4.76E-09	2.53E-10	4.87E-10	2.45E-11	7.64E-10	2.46E-10	4.19E-10	3.11E-11	6.96E-10	1.40E-10	2.31E-10	7.66E-12	3.78E-10
1819	742970.82	4108759.35	1.69E-09	3.09E-09	1.69E-10	4.95E-09	2.63E-10	5.06E-10	2.54E-11	7.94E-10	2.55E-10	4.35E-10	3.23E-11	7.23E-10	1.45E-10	2.40E-10	7.96E-12	3.93E-10
1820	742990.85	4108772.91	1.76E-09	3.20E-09	1.76E-10	5.14E-09	2.73E-10	5.25E-10	2.64E-11	8.25E-10	2.65E-10	4.52E-10	3.35E-11	7.51E-10	1.51E-10	2.49E-10	8.27E-12	4.08E-10

1821	743010.89	4108786.47	1.82E-09	3.32E-09	1.82E-10	5.33E-09	2.83E-10	5.45E-10	2.74E-11	8.55E-10	2.75E-10	4.69E-10	3.48E-11	7.79E-10	1.56E-10	2.59E-10	8.57E-12	4.23E-10
1822	743030.92	4108800.02	1.89E-09	3.44E-09	1.89E-10	5.52E-09	2.93E-10	5.64E-10	2.83E-11	8.85E-10	2.85E-10	4.85E-10	3.60E-11	8.06E-10	1.62E-10	2.68E-10	8.87E-12	4.38E-10
1823	743050.95	4108813.58	1.95E-09	3.55E-09	1.95E-10	5.69E-09	3.02E-10	5.82E-10	2.92E-11	9.14E-10	2.94E-10	5.01E-10	3.71E-11	8.32E-10	1.67E-10	2.76E-10	9.16E-12	4.52E-10
1824	743070.98	4108827.14	2.01E-09	3.66E-09	2.01E-10	5.86E-09	3.11E-10	5.99E-10	3.01E-11	9.41E-10	3.03E-10	5.16E-10	3.82E-11	8.56E-10	1.72E-10	2.84E-10	9.43E-12	4.66E-10
1825	743091.01	4108840.7	2.06E-09	3.75E-09	2.06E-10	6.01E-09	3.19E-10	6.14E-10	3.09E-11	9.64E-10	3.10E-10	5.29E-10	3.92E-11	8.78E-10	1.76E-10	2.92E-10	9.67E-12	4.78E-10
1826	743111.04	4108854.26	2.10E-09	3.83E-09	2.10E-10	6.14E-09	3.26E-10	6.28E-10	3.16E-11	9.86E-10	3.17E-10	5.40E-10	4.01E-11	8.97E-10	1.80E-10	2.98E-10	9.88E-12	4.88E-10
1827	743131.07	4108867.81	2.14E-09	3.90E-09	2.14E-10	6.26E-09	3.32E-10	6.40E-10	3.21E-11	1.00E-09	3.23E-10	5.51E-10	4.08E-11	9.14E-10	1.84E-10	3.04E-10	1.01E-11	4.97E-10
1828	743151.1	4108881.37	2.18E-09	3.97E-09	2.18E-10	6.36E-09	3.38E-10	6.51E-10	3.27E-11	1.02E-09	3.28E-10	5.60E-10	4.15E-11	9.30E-10	1.87E-10	3.09E-10	1.02E-11	5.06E-10
1829	743171.13	4108894.93	2.21E-09	4.03E-09	2.21E-10	6.46E-09	3.43E-10	6.60E-10	3.32E-11	1.04E-09	3.33E-10	5.68E-10	4.21E-11	9.43E-10	1.89E-10	3.13E-10	1.04E-11	5.13E-10
1830	743191.17	4108908.49	2.24E-09	4.08E-09	2.24E-10	6.54E-09	3.47E-10	6.68E-10	3.36E-11	1.05E-09	3.37E-10	5.75E-10	4.26E-11	9.55E-10	1.92E-10	3.17E-10	1.05E-11	5.19E-10
1831	743211.2	4108922.04	2.26E-09	4.12E-09	2.26E-10	6.61E-09	3.51E-10	6.75E-10	3.39E-11	1.06E-09	3.41E-10	5.81E-10	4.31E-11	9.65E-10	1.94E-10	3.21E-10	1.06E-11	5.25E-10
1832	743231.23	4108935.6	2.28E-09	4.16E-09	2.28E-10	6.67E-09	3.54E-10	6.82E-10	3.43E-11	1.07E-09	3.44E-10	5.87E-10	4.35E-11	9.75E-10	1.96E-10	3.24E-10	1.07E-11	5.30E-10
1833	743251.26	4108949.16	2.31E-09	4.20E-09	2.31E-10	6.74E-09	3.58E-10	6.89E-10	3.46E-11	1.08E-09	3.48E-10	5.93E-10	4.39E-11	9.84E-10	1.98E-10	3.27E-10	1.08E-11	5.35E-10
1834	743271.29	4108962.72	2.33E-09	4.24E-09	2.33E-10	6.80E-09	3.61E-10	6.95E-10	3.49E-11	1.09E-09	3.51E-10	5.98E-10	4.44E-11	9.94E-10	1.99E-10	3.30E-10	1.09E-11	5.40E-10
1835	743291.32	4108976.27	2.35E-09	4.28E-09	2.35E-10	6.87E-09	3.64E-10	7.02E-10	3.53E-11	1.10E-09	3.54E-10	6.04E-10	4.48E-11	1.00E-09	2.01E-10	3.33E-10	1.10E-11	5.45E-10
1836	743311.35	4108989.83	2.37E-09	4.32E-09	2.37E-10	6.93E-09	3.68E-10	7.08E-10	3.56E-11	1.11E-09	3.57E-10	6.09E-10	4.52E-11	1.01E-09	2.03E-10	3.36E-10	1.11E-11	5.50E-10
1837	741271.92	4108572.29	6.89E-10	1.26E-09	6.89E-11	2.01E-09	1.07E-10	2.06E-10	1.03E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.90E-11	9.77E-11	3.24E-12	1.60E-10
1838	741251.28	4108585.55	6.97E-10	1.27E-09	6.97E-11	2.04E-09	1.08E-10	2.08E-10	1.05E-11	3.27E-10	1.05E-10	1.79E-10	1.33E-11	2.98E-10	5.97E-11	9.88E-11	3.28E-12	1.62E-10
1839	741230.65	4108598.8	7.06E-10	1.29E-09	7.06E-11	2.06E-09	1.09E-10	2.11E-10	1.06E-11	3.31E-10	1.06E-10	1.81E-10	1.34E-11	3.01E-10	6.05E-11	1.00E-10	3.32E-12	1.64E-10
1840	741210.01	4108612.06	7.16E-10	1.30E-09	7.16E-11	2.09E-09	1.11E-10	2.14E-10	1.07E-11	3.36E-10	1.08E-10	1.84E-10	1.36E-11	3.06E-10	6.13E-11	1.01E-10	3.36E-12	1.66E-10
1841	741189.37	4108625.32	7.27E-10	1.32E-09	7.28E-11	2.12E-09	1.13E-10	2.17E-10	1.09E-11	3.41E-10	1.10E-10	1.87E-10	1.39E-11	3.10E-10	6.23E-11	1.03E-10	3.42E-12	1.69E-10
1842	741168.73	4108638.57	7.39E-10	1.35E-09	7.40E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.11E-10	1.90E-10	1.41E-11	3.16E-10	6.34E-11	1.05E-10	3.47E-12	1.72E-10
1843	741148.09	4108651.83	7.53E-10	1.37E-09	7.53E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.53E-10	1.13E-10	1.93E-10	1.43E-11	3.21E-10	6.45E-11	1.07E-10	3.54E-12	1.75E-10
1844	741079.75	4108231.31	4.83E-10	8.81E-10	4.84E-11	1.41E-09	7.49E-11	1.44E-10	7.25E-12	2.27E-10	7.29E-11	1.24E-10	9.21E-12	2.06E-10	4.14E-11	6.85E-11	2.27E-12	1.12E-10
1845	741103.75	4108226.89	4.84E-10	8.82E-10	4.84E-11	1.41E-09	7.51E-11	1.45E-10	7.26E-12	2.27E-10	7.30E-11	1.24E-10	9.22E-12	2.07E-10	4.15E-11	6.86E-11	2.27E-12	1.12E-10
1846	741127.75	4108222.46	4.85E-10	8.84E-10	4.85E-11	1.42E-09	7.52E-11	1.45E-10	7.28E-12	2.27E-10	7.32E-11	1.25E-10	9.25E-12	2.07E-10	4.16E-11	6.88E-11	2.28E-12	1.13E-10
1847	741151.75	4108218.04	4.87E-10	8.87E-10	4.87E-11	1.42E-09	7.55E-11	1.45E-10	7.30E-12	2.28E-10	7.34E-11	1.25E-10	9.27E-12	2.08E-10	4.17E-11	6.90E-11	2.29E-12	1.13E-10
1848	741175.76	4108213.61	4.88E-10	8.90E-10	4.88E-11	1.43E-09	7.57E-11	1.46E-10	7.33E-12	2.29E-10	7.36E-11	1.25E-10	9.30E-12	2.08E-10	4.18E-11	6.92E-11	2.29E-12	1.13E-10
1849	741199.76	4108209.19	4.90E-10	8.92E-10	4.90E-11	1.43E-09	7.60E-11	1.46E-10	7.35E-12	2.30E-10	7.39E-11	1.26E-10	9.33E-12	2.09E-10	4.20E-11	6.94E-11	2.30E-12	1.14E-10
1850	741223.76	4108204.76	4.91E-10	8.96E-10	4.92E-11	1.44E-09	7.62E-11	1.47E-10	7.38E-12	2.30E-10	7.41E-11	1.26E-10	9.37E-12	2.10E-10	4.21E-11	6.97E-11	2.31E-12	1.14E-10
1851	741247.76	4108200.34	4.93E-10	8.98E-10	4.93E-11	1.44E-09	7.65E-11	1.47E-10	7.40E-12	2.31E-10	7.44E-11	1.27E-10	9.40E-12	2.11E-10	4.23E-11	6.99E-11	2.32E-12	1.14E-10
1852	741271.76	4108195.91	4.95E-10	9.01E-10	4.95E-11	1.45E-09	7.67E-11	1.48E-10	7.42E-12	2.32E-10	7.46E-11	1.27E-10	9.43E-12	2.11E-10	4.24E-11	7.01E-11	2.32E-12	1.15E-10
1853	741295.77	4108191.49	4.96E-10	9.04E-10	4.97E-11	1.45E-09	7.70E-11	1.48E-10	7.45E-12	2.33E-10	7.49E-11	1.28E-10	9.46E-12	2.12E-10	4.25E-11	7.04E-11	2.33E-12	1.15E-10
1854	741319.77	4108187.06	4.98E-10	9.08E-10	4.98E-11	1.46E-09	7.72E-11	1.49E-10	7.48E-12	2.34E-10	7.51E-11	1.28E-10	9.49E-12	2.13E-10	4.27E-11	7.06E-11	2.34E-12	1.16E-10
1855	741343.77	4108182.64	5.00E-10	9.11E-10	5.00E-11	1.46E-09	7.76E-11	1.49E-10	7.51E-12	2.34E-10	7.54E-11	1.29E-10	9.53E-12	2.14E-10	4.29E-11	7.09E-11	2.35E-12	1.16E-10
1856	741367.77	4108178.21	5.02E-10	9.15E-10	5.03E-11	1.47E-09	7.79E-11	1.50E-10	7.54E-12	2.35E-10	7.57E-11	1.29E-10	9.57E-12	2.14E-10	4.30E-11	7.12E-11	2.36E-12	1.17E-10
1857	741391.77	4108173.79	5.05E-10	9.20E-10	5.05E-11	1.48E-09	7.83E-11	1.51E-10	7.58E-12	2.37E-10	7.61E-11	1.30E-10	9.62E-12	2.16E-10	4.33E-11	7.16E-11	2.37E-12	1.17E-10
1858	741415.78	4108169.36	5.08E-10	9.25E-10	5.08E-11	1.48E-09	7.88E-11	1.52E-10	7.62E-12	2.38E-10	7.66E-11	1.31E-10	9.68E-12	2.17E-10	4.35E-11	7.20E-11	2.39E-12	1.18E-10
1859	741439.78	4108164.94	5.11E-10	9.32E-10	5.12E-11	1.49E-09	7.93E-11	1.53E-10	7.67E-12	2.40E-10	7.71E-11	1.31E-10	9.74E-12	2.18E-10	4.38E-11	7.25E-11	2.40E-12	1.19E-10
1860	741463.78	4108160.51	5.15E-10	9.39E-10	5.15E-11	1.51E-09	7.99E-11	1.54E-10	7.73E-12	2.41E-10	7.77E-11	1.32E-10	9.82E-12	2.20E-10	4.41E-11	7.30E-11	2.42E-12	1.20E-10
1861	741487.78	4108156.09	5.19E-10	9.46E-10	5.20E-11	1.52E-09	8.05E-11	1.55E-10	7.79E-12	2.43E-10	7.83E-11	1.33E-10	9.89E-12	2.22E-10	4.45E-11	7.36E-11	2.44E-12	1.21E-10
1862	741511.79	4108151.67	5.24E-10	9.54E-10	5.24E-11	1.53E-09	8.12E-11	1.56E-10	7.86E-12	2.45E-10	7.90E-11	1.35E-10	9.98E-12	2.24E-10	4.49E-11	7.42E-11	2.46E-12	1.22E-10
1863	741535.79	4108147.24	5.28E-10	9.62E-10	5.28E-11	1.54E-09	8.19E-11	1.58E-10	7.92E-12	2.48E-10	7.96E-11	1.36E-10	1.01E-11	2.25E-10	4.52E-11	7.49E-11	2.48E-12	1.23E-10
1864	741559.79	4108142.82	5.32E-10	9.70E-10	5.33E-11	1.56E-09	8.26E-11	1.59E-10	7.99E-12	2.50E-10	8.03E-11	1.37E-10	1.01E-11	2.27E-10	4.56E-11	7.55E-11	2.50E-12	1.24E-10
1865	741583.79	4108138.39	5.37E-10	9.78E-10	5.37E-11	1.57E-09	8.33E-11	1.60E-10	8.06E-12	2.52E-10	8.10E-11	1.38E-10	1.02E-11	2.29E-10	4.60E-11	7.61E-11	2.52E-12	1.25E-10
1866	741607.79	4108133.97	5.41E-10	9.86E-10	5.41E-11	1.58E-09	8.39E-11	1.62E-10	8.12E-12	2.54E-10	8.16E-11	1.39E-10	1.03E-11	2.31E-10	4.64E-11	7.67E-11	2.54E-12	1.26E-10
1867	741631.8	4108129.54	5.45E-10	9.93E-10	5.45E-11	1.59E-09	8.45E-11	1.63E-10	8.18E-12	2.56E-10	8.22E-11	1.40E-10	1.04E-11	2.33E-10	4.67E-11	7.73E-11	2.56E-12	1.27E-10
1868	741655.8	4108125.12	5.49E-10	1.00E-09	5.49E-11	1.60E-09	8.51E-11	1.64E-10	8.23E-12	2.57E-10	8.27E-11	1.41E-10	1.05E-11	2.34E-10	4.70E-11	7.78E-11	2.58E-12	1.27E-10
1869	741679.8	4108120.69	5.52E-10	1.01E-09	5.52E-11	1.61E-09	8.56E-11	1.65E-10	8.28E-12	2.59E-10	8.32E-11	1.42E-10	1.05E-11	2.36E-10	4.73E-11	7.83E-11	2.59E-12	1.28E-10
1870	741703.8	4108116.27	5.55E-10	1.01E-09	5.55E-11	1.62E-09	8.61E-11	1.66E-10	8.33E-12	2.60E-10	8.37E-11	1.43E-10	1.06E-11	2.37E-10	4.75E-11	7.87E-11	2.61E-12	1.29E-10
1871	741727.8	4108111.84	5.58E-10	1.02E-09	5.58E-11	1.63E-09	8.65E-11	1.67E-10	8.37E-12	2.62E-10	8.41E-11	1.43E-10	1.06E-11	2.38E-10	4.78E-11	7.91E-11	2.62E-12	1.30E-10
1872	741751.81	4108107.42	5.61E-10	1.02E-09	5.61E-11	1.64E-09	8.69E-11	1.67E-10	8.41E-12	2.63E-10	8.45E-11	1.44E-10	1.07E-11	2.39E-10	4.80E-11	7.95E-11	2.63E-12	1.30E-10
1873	741775.81	4108102.99	5.64E-10	1.03E-09	5.64E-11	1.65E-09	8.74E-11	1.68E-10	8.46E-12	2.64E-10	8.50E-11	1.45E-10	1.07E-11	2.41E-10	4.83E-11	7.99E-11	2.65E-12	1.31E-10
1874	741799.81	4108098.57	5.67E-10	1.03E-09	5.67E-11	1.66E-09	8.79E-11	1.69E-10	8.51E-12	2.66E-10	8.55E-11	1.46E-10	1.08E-11	2.42E-10	4.86E-11	8.04E-11	2.66E-12	1.32E-10
1875	741823.81	4108094.14	5.71E-10	1.04E-09	5.71E-11	1.67E-09	8.85E-11	1.70E-10	8.56E-12	2.68E-10	8.60E-11	1.47E-10	1.09E-11	2.44E-10	4.89E-11	8.09E-11	2.68E-12	1.32E-10
1876	741847.82	4108089.72	5.74E-10	1.05E-09	5.75E-11	1.68E-09	8.91E-11	1.72E-10	8.62E-12	2.69E-10	8.66E-11	1.48E-10	1.09E-11	2.45E-10	4.92E-11	8.14E-11	2.70E-12	1.33E-10
1877	741871.82	4108085.29	5.78E-10	1.05E-09	5.79E-11	1.69E-09	8.97E-11	1.73E-10	8.68E-12	2.71E-10	8.72E-11	1.49E-10	1.10E-11	2.47E-10	4.96E-11	8.20E-11	2.72E-12	1.34E-10
1878	741895.82	4108080.87	5.83E-10	1.06E-09	5.83E-11	1.70E-09	9.03E-11	1.74E-10	8.74E-12	2.73E-10	8.78E-11	1.50E-10	1.11E-11	2.49E-10	4.99E-11	8.26E-11	2.74E-12	1.35E-10
1879	741919.82	4108076.44	5.87E-10	1.07E-09	5.87E-11	1.71E-09	9.10E-11	1.75E-10	8.80E-12	2.75E-10	8.85E-11	1.51E-10	1.12E-11	2.50E-10	5.03E-11	8.32E-11	2.76E-12	1.36E-10
1880	741943.82	4108072.02	5.91E-10	1.08E-09	5.91E-11	1.73E-09	9.16E-11	1.76E-10	8.86E-12	2.77E-10	8.91E-11	1.52E-10	1.13E-11	2.52E-10	5.06E-11	8.37E-11	2.78E-12	1.37E-10
1881	741967.83	4108067.59	5.94E-10	1.08E-09	5.95E-11	1.74E-09	9.21E-11	1.78E-10	8.92E-12	2.79E-10	8.96E-11	1.53E-10	1.13E-11	2.54E-10	5.09E-11	8.42E-11	2.79E-12	1.38E-10
1882	741991.83	4108063.17	5.97E-10	1.09E-09	5.98E-11	1.75E-09	9.26E-11	1.78E-10	8.96E-12	2.80E-10	9.01E-11	1.54E-10	1.14E-11	2.55E-10	5.12E-11	8.47E-11	2.81E-12	1.39E-10
1883	742015.83	4108058.74	6.00E-10	1.09E-09	6.00E-11	1.75E-09	9.30E-11	1.79E-10	9.00E-12	2.81E-10	9.04E-11	1.54E-10	1.14E-11	2.56E-10	5.14E-11	8.50E-11	2.82E-12	1.39E-10
1884	742039.83	4108054.32	6.01E-10	1.10E-09	6.02E-11	1.76E-09	9.32E-11	1.80E-10	9.02E-12	2.82E-10	9.07E-11	1.55E-10	1.15E-11	2.57E-10	5.15E-11	8.53E-11	2.83E-12	1.40E-10
1885	742063.83	4108049.89	6.02E-10	1.10E-09	6.02E-11	1.76E-09	9.34E-11	1.80E-10	9.04E-12	2.82E-10	9.08E-11	1.55E-10	1.15E-11	2.57E-10	5.16E-11	8.54E-11	2.83E-12	1.40E-10
1886	742087.84	4108045.47	6.02E-10	1.10E-09	6.02E-11	1.76E-09	9.34E-11	1.80E-10	9.04E-12	2.82E-10	9.08E-11	1.55E-10	1.15E-11	2.57E-10	5.16E-11	8.54E-11	2.83E-12	1.40E-10
1887	742111.84	4108041.04	6.01E-10	1.10E-09	6.02E-11	1.76E-09	9.32E-11	1.80E-10	9.02E-12	2.82E-10	9.07E-11	1.55E-10	1.15E-11	2.57E-10	5.15E-11	8.53E-11	2.83E-12	1.40E-10
1888	742135.84	4108036.62	6.00E-10	1.09E-09	6.00E-11	1.75E-09	9.30E-11	1.79E-10	9.00E-12	2.81E-10	9.04E-11	1.54E-10	1.14E-11	2.56E-10	5.14E-11	8.50E-11	2.82E-12	1.39E-10
1889	742159.84	4108032.19	5.98E-10	1.09E-09	5.98E-11	1.75E-09	9.27E-11	1.79E-10	8.97E-12	2.80E-10	9.02E-11	1.54E-10	1.14E-11	2.55E-10	5.12E-11	8.48E-11	2.81E-12	1.39E-10
1890	742183.85	4108027.77	5.96E-10	1.09E-09	5.96E-11	1.74E-09	9.24E-11	1.78E-10	8.94E-12	2.79E-10	8.99E-11	1.53E-10	1.14E-11	2.54E-10	5.11E-11	8.45E-11	2.80E-12	1.38E-10
1891	742207.85	4108023.34	5.94E-10	1.08E-09	5.94E-11	1.74E-09	9.21E-11	1.77E-10	8.92E-12	2.79E-10	8.96E-11	1.53E-10	1.13E-11	2.54E-10	5.09E-11	8.42E-11	2.79E-12	1.38E-10
1892	742231.85	4108018.92	5.93E-10	1.08E-09	5.93E-11	1.73E-09	9.19E-11	1.77E-10	8.90E-12	2.78E-10	8.94E-11	1.52E-10	1.13E-11	2.53E-10	5.08E-11	8.40E-11	2.79E-12	1.38E-10
1893	742255.85	4108014.49	5.92E-10	1.08E-09	5.93E-11	1.73E-09	9.18E-11	1.77E-10	8.89E-12	2.78E-10	8.93E-11	1.52E-10	1.13E-11	2.53E-10	5.07E-11	8.40E-11	2.78E-12	1.37E-10
1894	742279.85	4108010.07	5.93E-10	1.08E-09	5.93E-11	1.73E-09	9.19E-11	1.77E-10	8.89E-12	2.78E-10	8.94E-11	1.52E-10	1.13E-11	2.53E-10	5.08E-11	8.40E-11	2.78E-12	1.38E-10
1895	742303.86	4108005.64	5.94E-10	1.08E-09	5.95E-11	1.74E-09	9.22E-11	1.78E-10	8.92E-12	2.79E-10	8.96E-11	1.53E-10	1.13E-11	2.54E-10	5.09E-11	8.43E-11	2.79E-12	1.38E-10
1896	742327.86	4108001.22	5.97E-10	1.09E-09	5.98E-11	1.75E-09	9.26E-11	1.78E-10	8.97E-12	2.80E-10	9.01E-11	1.54E-10	1.14E-11	2.55E-10	5.12E-11	8.47E-11	2.81E-12	1.39E-10
1897	742351.86	4107996.79	6.02E-10	1.10E-09	6.02E-11	1.76E-09	9.33E-11	1.80E-10	9.03E-12	2.82E-10	9.08E-11	1.55E-10	1.15E-11	2.57E-10	5.16E-11	8.53E-11	2.83E-12	1.40E-10
1898	742375.86	4107992.37	6.07E-10	1.11E-09	6.08E-11	1.77E-09	9.42E-11	1.81E-10	9.12E-12	2.85E-10	9.16E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.61E-11	2.85E-12	1.41E-10
1899	742399.87	4107987.94	6.14E-10	1.12E-09	6.15E-11	1.80E-09	9.53E-11	1.84E-10	9.22E-12	2.88E-10	9.27E-11	1.58E-10	1.17E-11	2.62E-10	5.27E-11	8.71E-11	2.89E-12	1.43E-10
1900	742423.87	4107983.52	6.22E-10	1.13E-09	6.23E-11	1.82E-09	9.65E-11	1.86E-10	9.34E-12	2.92E-10	9.39E-11	1.60E-10	1.19E-11	2.66E-10	5.33E-11	8.82E-11	2.92E-12	1.45E-10
1901	742447.87	4107979.09	6.31E-10	1.15E-09	6.31E-11	1.84E-09	9.78E-11	1.88E-10	9.47E-12	2.96E-10	9.51E-11	1.62E-10	1.20E-11	2.69E-10	5.41E-11	8.95E-11	2.96E-12	1.46E-10
1902	742492.08	4107988.35	6.58E-10	1.20E-09	6.58E-11	1.92E-09	1.02E-10	1.97E-10	9.87E-12	3.08E-10	9.92E-11	1.69E-10	1.25E-11	2.81E-10	5.64E-11	9.33E-11	3.09E-12	1.53E-10
1903	742512.3	4108002.03	6.76E-10	1.23E-09	6.76E-11	1.97E-09	1.05E-10	2.02E-10	1.01E-11	3.17E-10	1.02E-10	1.74E-10	1.29E-11	2.88E-10	5.79E-11	9.58E-11	3.18E-12	1.57E-10
1904	742532.51	4108015.71	6.93E-10	1.26E-09	6.93E-11	2.02E-09	1.07E-10	2.07E-10	1.04E-11	3.25E-10	1.04E-10	1.78E-10	1.32E-11	2.96E-10	5.94E-11	9.82E-11	3.26E-12	1.61E-10
1905	742552.72	4108029.39	7.09E-10	1.29E-09	7.09E-11	2.07E-09	1.10E-10	2.12E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.03E-10	6.08E-11	1.01E-10	3.33E-12	1.65E-10
1906	742572.93	4108043.07	7.23E-10	1.32E-09	7.24E-11	2.11E-09	1.12E-10	2.16E-10	1.09E-11	3.39E-10	1.09E-10	1.86E-10	1.38E-11	3.09E-10	6.20E-11	1.03E-10	3.40E-12	1.68E-10
1907	742593.15	4108056.75	7.35E-10	1.34E-09	7.36E-11	2.15E-09	1.14E-10	2.20E-10	1.10E-11	3.45E-10	1.11E-10	1.89E-10	1.40E-11	3.14E-10	6.30E-11	1.04E-10	3.46E-12	1.71E-10
1908	742613.36	4108070.43	7.45E-10	1.36E-09	7.46E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.49E-10	1.12E-10	1.92E-10	1.42E-11	3.18E-10	6.39E-11	1.06E-10	3.50E-12	1.73E-10
1909	742633.57	4108084.11	7.53E-10	1.37E-09	7.54E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.53E-10	1.14E-10	1.94E-10	1.44E-11	3.22E-10	6.45E-11	1.07E-10	3.54E-12	1.75E-10
1910	742653.78	4108097.79	7.59E-10	1.38E-09	7.59E-11	2.22E-09	1.18E-10	2.27E-10	1.14E-11	3.56E-10	1.14E-10	1.95E-10	1.45E-11	3.24E-10	6.50E-11	1.08E-10	3.56E-12	1.76E-10
1911	742673.99	4108111.47	7.62E-10	1.39E-09	7.62E-11	2.23E-09	1.18E-10	2.28E-10	1.14E-11	3.57E-10	1.15E-10	1.96E-10	1.45E-11	3.25E-10	6.53E-11	1.08E-10	3.58E-12	1.77E-10
1912	742694.21	4108125.15	7.64E-10	1.39E-09	7.64E-11	2.23E-09	1.18E-10	2.28E-10	1.15E-11	3.58E-10	1.15E-10	1.96E-10	1.46E-11	3.26E-10	6.55E-11	1.08E-10	3.59E-12	1.77E-10
1913	742714.42	4108138.83	7.65E-10	1.39E-09	7.66E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.59E-10	1.15E-10	1.97E-10	1.46E-11	3.27E-10	6.56E-11	1.08E-10	3.60E-12	1.78E-10
1914	742734.63	4108152.51	7.66E-10	1.40E-09	7.66E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.59E-10	1.16E-10	1.97E-10	1.46E-11	3.27E-10	6.56E-11	1.09E-10	3.60E-12	1.78E-10
1915	742754.84	4108166.19	7.67E-10	1.40E-09	7.67E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.59E-10	1.16E-10	1.97E-10	1.46E-11	3.27E-10	6.57E-11	1.09E-10	3.60E-12	1.78E-10
1916	742775.06	4108179.87	7.68E-10	1.40E-09	7.69E-11	2.24E-09	1.19E-10	2.30E-10	1.15E-11	3.60E-10	1.16E-10	1.97E-10	1.46E-11	3.28E-10	6.58E-11	1.09E-10	3.61E-12	1.78E-10

1917	742795.27	4108193.55	7.71E-10	1.40E-09	7.71E-11	2.25E-09	1.20E-10	2.30E-10	1.16E-11	3.61E-10	1.16E-10	1.98E-10	1.47E-11	3.29E-10	6.60E-11	1.09E-10	3.62E-12	1.79E-10
1918	742815.48	4108207.23	7.76E-10	1.41E-09	7.76E-11	2.27E-09	1.20E-10	2.32E-10	1.16E-11	3.64E-10	1.17E-10	1.99E-10	1.48E-11	3.31E-10	6.65E-11	1.10E-10	3.65E-12	1.80E-10
1919	742835.69	4108220.91	7.82E-10	1.42E-09	7.82E-11	2.28E-09	1.21E-10	2.34E-10	1.17E-11	3.67E-10	1.18E-10	2.01E-10	1.49E-11	3.34E-10	6.70E-11	1.11E-10	3.67E-12	1.82E-10
1920	742855.9	4108234.59	7.90E-10	1.44E-09	7.90E-11	2.31E-09	1.22E-10	2.36E-10	1.19E-11	3.70E-10	1.19E-10	2.03E-10	1.51E-11	3.37E-10	6.77E-11	1.12E-10	3.71E-12	1.83E-10
1921	742876.12	4108248.27	8.00E-10	1.46E-09	8.00E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.21E-10	2.06E-10	1.52E-11	3.41E-10	6.85E-11	1.13E-10	3.76E-12	1.86E-10
1922	742896.33	4108261.95	8.11E-10	1.48E-09	8.12E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.09E-10	1.55E-11	3.46E-10	6.95E-11	1.15E-10	3.81E-12	1.88E-10
1923	742916.54	4108275.63	8.25E-10	1.50E-09	8.25E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.87E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.07E-11	1.17E-10	3.88E-12	1.91E-10
1924	742936.75	4108289.31	8.40E-10	1.53E-09	8.40E-11	2.45E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.20E-11	1.19E-10	3.95E-12	1.95E-10
1925	742956.97	4108302.99	8.57E-10	1.56E-09	8.58E-11	2.50E-09	1.33E-10	2.56E-10	1.29E-11	4.02E-10	1.29E-10	2.20E-10	1.63E-11	3.66E-10	7.34E-11	1.22E-10	4.03E-12	1.99E-10
1926	742977.18	4108316.67	8.76E-10	1.60E-09	8.77E-11	2.56E-09	1.36E-10	2.62E-10	1.31E-11	4.11E-10	1.32E-10	2.25E-10	1.67E-11	3.74E-10	7.51E-11	1.24E-10	4.12E-12	2.03E-10
1927	742997.39	4108330.35	8.97E-10	1.63E-09	8.98E-11	2.62E-09	1.39E-10	2.68E-10	1.35E-11	4.21E-10	1.35E-10	2.31E-10	1.71E-11	3.83E-10	7.69E-11	1.27E-10	4.22E-12	2.08E-10
1928	743017.6	4108344.03	9.20E-10	1.68E-09	9.21E-11	2.69E-09	1.43E-10	2.75E-10	1.38E-11	4.31E-10	1.39E-10	2.37E-10	1.75E-11	3.93E-10	7.89E-11	1.30E-10	4.32E-12	2.14E-10
1929	743037.82	4108357.71	9.45E-10	1.72E-09	9.46E-11	2.76E-09	1.47E-10	2.82E-10	1.42E-11	4.43E-10	1.43E-10	2.43E-10	1.80E-11	4.03E-10	8.10E-11	1.34E-10	4.44E-12	2.19E-10
1930	743058.03	4108371.39	9.72E-10	1.77E-09	9.72E-11	2.84E-09	1.51E-10	2.90E-10	1.46E-11	4.56E-10	1.47E-10	2.50E-10	1.85E-11	4.15E-10	8.33E-11	1.38E-10	4.57E-12	2.26E-10
1931	743078.24	4108385.07	1.00E-09	1.82E-09	1.00E-10	2.92E-09	1.55E-10	2.99E-10	1.50E-11	4.69E-10	1.51E-10	2.57E-10	1.91E-11	4.27E-10	8.57E-11	1.42E-10	4.70E-12	2.32E-10
1932	743098.45	4108398.75	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.83E-11	1.46E-10	4.84E-12	2.39E-10
1933	743118.66	4108412.43	1.06E-09	1.93E-09	1.06E-10	3.10E-09	1.65E-10	3.17E-10	1.59E-11	4.98E-10	1.60E-10	2.73E-10	2.02E-11	4.53E-10	9.09E-11	1.50E-10	4.99E-12	2.46E-10
1934	743138.88	4108426.11	1.09E-09	1.99E-09	1.09E-10	3.20E-09	1.70E-10	3.27E-10	1.64E-11	5.13E-10	1.65E-10	2.81E-10	2.09E-11	4.67E-10	9.38E-11	1.55E-10	5.14E-12	2.54E-10
1935	743159.09	4108439.79	1.13E-09	2.06E-09	1.13E-10	3.30E-09	1.75E-10	3.37E-10	1.69E-11	5.29E-10	1.70E-10	2.90E-10	2.15E-11	4.82E-10	9.67E-11	1.60E-10	5.30E-12	2.62E-10
1936	743179.3	4108453.47	1.16E-09	2.12E-09	1.16E-10	3.40E-09	1.80E-10	3.48E-10	1.75E-11	5.46E-10	1.76E-10	2.99E-10	2.22E-11	4.97E-10	9.97E-11	1.65E-10	5.47E-12	2.70E-10
1937	743199.51	4108467.15	1.20E-09	2.19E-09	1.20E-10	3.51E-09	1.86E-10	3.58E-10	1.80E-11	5.63E-10	1.81E-10	3.08E-10	2.29E-11	5.12E-10	1.03E-10	1.70E-10	5.64E-12	2.79E-10
1938	743219.73	4108480.83	1.24E-09	2.25E-09	1.24E-10	3.61E-09	1.92E-10	3.69E-10	1.86E-11	5.80E-10	1.86E-10	3.18E-10	2.36E-11	5.28E-10	1.06E-10	1.75E-10	5.81E-12	2.87E-10
1939	743239.94	4108494.51	1.27E-09	2.32E-09	1.27E-10	3.72E-09	1.97E-10	3.80E-10	1.91E-11	5.97E-10	1.92E-10	3.27E-10	2.43E-11	5.43E-10	1.09E-10	1.80E-10	5.98E-12	2.95E-10
1940	743260.15	4108508.19	1.31E-09	2.38E-09	1.31E-10	3.82E-09	2.03E-10	3.91E-10	1.96E-11	6.13E-10	1.97E-10	3.36E-10	2.49E-11	5.59E-10	1.12E-10	1.86E-10	6.15E-12	3.04E-10
1941	743280.36	4108521.87	1.34E-09	2.45E-09	1.34E-10	3.93E-09	2.08E-10	4.01E-10	2.02E-11	6.30E-10	2.03E-10	3.45E-10	2.56E-11	5.74E-10	1.15E-10	1.90E-10	6.31E-12	3.12E-10
1942	743300.58	4108535.55	1.38E-09	2.51E-09	1.38E-10	4.02E-09	2.14E-10	4.11E-10	2.07E-11	6.46E-10	2.08E-10	3.54E-10	2.62E-11	5.88E-10	1.18E-10	1.95E-10	6.47E-12	3.20E-10
1943	743320.79	4108549.23	1.41E-09	2.57E-09	1.41E-10	4.12E-09	2.18E-10	4.21E-10	2.11E-11	6.60E-10	2.12E-10	3.62E-10	2.68E-11	6.01E-10	1.21E-10	2.00E-10	6.62E-12	3.27E-10
1944	743341	4108562.91	1.44E-09	2.62E-09	1.44E-10	4.20E-09	2.23E-10	4.29E-10	2.16E-11	6.74E-10	2.17E-10	3.69E-10	2.74E-11	6.13E-10	1.23E-10	2.04E-10	6.75E-12	3.34E-10
1945	743361.21	4108576.59	1.46E-09	2.67E-09	1.46E-10	4.27E-09	2.27E-10	4.37E-10	2.20E-11	6.86E-10	2.21E-10	3.76E-10	2.79E-11	6.24E-10	1.25E-10	2.07E-10	6.87E-12	3.40E-10
1946	743381.42	4108590.27	1.48E-09	2.71E-09	1.49E-10	4.34E-09	2.30E-10	4.44E-10	2.23E-11	6.96E-10	2.24E-10	3.82E-10	2.83E-11	6.34E-10	1.27E-10	2.11E-10	6.98E-12	3.45E-10
1947	743401.64	4108603.95	1.50E-09	2.74E-09	1.50E-10	4.39E-09	2.33E-10	4.49E-10	2.26E-11	7.05E-10	2.27E-10	3.87E-10	2.87E-11	6.42E-10	1.29E-10	2.13E-10	7.07E-12	3.49E-10
1948	743421.85	4108617.63	1.52E-09	2.77E-09	1.52E-10	4.44E-09	2.36E-10	4.54E-10	2.28E-11	7.12E-10	2.29E-10	3.91E-10	2.90E-11	6.49E-10	1.30E-10	2.15E-10	7.14E-12	3.53E-10
1949	743442.06	4108631.32	1.53E-09	2.79E-09	1.53E-10	4.48E-09	2.38E-10	4.58E-10	2.30E-11	7.19E-10	2.31E-10	3.94E-10	2.92E-11	6.54E-10	1.31E-10	2.17E-10	7.20E-12	3.56E-10
1950	743462.27	4108645	1.54E-09	2.81E-09	1.55E-10	4.51E-09	2.39E-10	4.61E-10	2.32E-11	7.24E-10	2.33E-10	3.97E-10	2.94E-11	6.59E-10	1.32E-10	2.19E-10	7.26E-12	3.59E-10
1951	743482.49	4108658.68	1.55E-09	2.83E-09	1.56E-10	4.54E-09	2.41E-10	4.65E-10	2.33E-11	7.29E-10	2.34E-10	4.00E-10	2.96E-11	6.64E-10	1.33E-10	2.20E-10	7.31E-12	3.61E-10
1952	743502.7	4108672.36	1.57E-09	2.85E-09	1.57E-10	4.57E-09	2.43E-10	4.68E-10	2.35E-11	7.34E-10	2.36E-10	4.02E-10	2.98E-11	6.68E-10	1.34E-10	2.22E-10	7.36E-12	3.63E-10
1953	743522.91	4108686.04	1.58E-09	2.87E-09	1.58E-10	4.61E-09	2.44E-10	4.71E-10	2.37E-11	7.39E-10	2.38E-10	4.05E-10	3.00E-11	6.73E-10	1.35E-10	2.24E-10	7.41E-12	3.66E-10
1954	743543.12	4108699.72	1.59E-09	2.89E-09	1.59E-10	4.64E-09	2.46E-10	4.74E-10	2.38E-11	7.45E-10	2.39E-10	4.08E-10	3.03E-11	6.78E-10	1.36E-10	2.25E-10	7.46E-12	3.69E-10
1955	743563.33	4108713.4	1.60E-09	2.92E-09	1.60E-10	4.68E-09	2.48E-10	4.79E-10	2.40E-11	7.51E-10	2.42E-10	4.12E-10	3.05E-11	6.84E-10	1.37E-10	2.27E-10	7.53E-12	3.72E-10
1956	743583.55	4108727.08	1.62E-09	2.95E-09	1.62E-10	4.72E-09	2.51E-10	4.83E-10	2.43E-11	7.58E-10	2.44E-10	4.16E-10	3.08E-11	6.90E-10	1.39E-10	2.29E-10	7.60E-12	3.75E-10
1957	743603.76	4108740.76	1.63E-09	2.97E-09	1.63E-10	4.77E-09	2.53E-10	4.87E-10	2.45E-11	7.65E-10	2.46E-10	4.19E-10	3.11E-11	6.97E-10	1.40E-10	2.31E-10	7.67E-12	3.79E-10
1958	743623.97	4108754.44	1.65E-09	3.00E-09	1.65E-10	4.81E-09	2.55E-10	4.92E-10	2.47E-11	7.72E-10	2.48E-10	4.23E-10	3.14E-11	7.03E-10	1.41E-10	2.33E-10	7.74E-12	3.82E-10
1959	743644.18	4108768.12	1.66E-09	3.02E-09	1.66E-10	4.85E-09	2.57E-10	4.96E-10	2.49E-11	7.78E-10	2.50E-10	4.27E-10	3.16E-11	7.08E-10	1.42E-10	2.35E-10	7.80E-12	3.85E-10
1960	741055.74	4108235.74	4.83E-10	8.80E-10	4.83E-11	1.41E-09	7.49E-11	1.44E-10	7.25E-12	2.27E-10	7.29E-11	1.24E-10	9.21E-12	2.06E-10	4.14E-11	6.85E-11	2.27E-12	1.12E-10
1961	741035.11	4108249	4.88E-10	8.89E-10	4.88E-11	1.42E-09	7.56E-11	1.46E-10	7.32E-12	2.29E-10	7.35E-11	1.25E-10	9.29E-12	2.08E-10	4.18E-11	6.91E-11	2.29E-12	1.13E-10
1962	741014.47	4108262.25	4.93E-10	8.98E-10	4.93E-11	1.44E-09	7.65E-11	1.47E-10	7.40E-12	2.31E-10	7.44E-11	1.27E-10	9.40E-12	2.11E-10	4.23E-11	6.99E-11	2.32E-12	1.14E-10
1963	740993.83	4108275.51	4.99E-10	9.10E-10	5.00E-11	1.46E-09	7.74E-11	1.49E-10	7.50E-12	2.34E-10	7.53E-11	1.28E-10	9.52E-12	2.13E-10	4.28E-11	7.08E-11	2.35E-12	1.16E-10
1964	740973.19	4108288.77	5.07E-10	9.24E-10	5.07E-11	1.48E-09	7.86E-11	1.51E-10	7.61E-12	2.38E-10	7.65E-11	1.30E-10	9.66E-12	2.16E-10	4.34E-11	7.19E-11	2.38E-12	1.18E-10
1965	740952.55	4108302.02	5.15E-10	9.39E-10	5.16E-11	1.51E-09	7.99E-11	1.54E-10	7.73E-12	2.42E-10	7.77E-11	1.32E-10	9.82E-12	2.20E-10	4.42E-11	7.31E-11	2.42E-12	1.20E-10
1966	740931.91	4108315.28	5.25E-10	9.56E-10	5.25E-11	1.53E-09	8.13E-11	1.57E-10	7.87E-12	2.46E-10	7.91E-11	1.35E-10	1.00E-11	2.24E-10	4.49E-11	7.44E-11	2.47E-12	1.22E-10
1967	740863.38	4107894.8	3.61E-10	6.58E-10	3.61E-11	1.06E-09	5.60E-11	1.08E-10	5.42E-12	1.69E-10	5.45E-11	9.28E-11	6.88E-12	1.54E-10	3.09E-11	5.12E-11	1.70E-12	8.39E-11
1968	740887.18	4107890.41	3.62E-10	6.59E-10	3.62E-11	1.06E-09	5.61E-11	1.08E-10	5.43E-12	1.70E-10	5.46E-11	9.30E-11	6.89E-12	1.54E-10	3.10E-11	5.13E-11	1.70E-12	8.40E-11
1969	740910.99	4107886.02	3.63E-10	6.61E-10	3.63E-11	1.06E-09	5.63E-11	1.08E-10	5.45E-12	1.70E-10	5.47E-11	9.33E-11	6.92E-12	1.55E-10	3.11E-11	5.15E-11	1.71E-12	8.43E-11
1970	740934.8	4107881.63	3.64E-10	6.64E-10	3.65E-11	1.06E-09	5.65E-11	1.09E-10	5.47E-12	1.71E-10	5.49E-11	9.37E-11	6.94E-12	1.56E-10	3.12E-11	5.17E-11	1.71E-12	8.46E-11
1971	740958.61	4107877.24	3.66E-10	6.67E-10	3.66E-11	1.07E-09	5.68E-11	1.09E-10	5.49E-12	1.72E-10	5.52E-11	9.41E-11	6.98E-12	1.56E-10	3.14E-11	5.19E-11	1.72E-12	8.50E-11
1972	740982.42	4107872.85	3.68E-10	6.70E-10	3.68E-11	1.08E-09	5.71E-11	1.10E-10	5.52E-12	1.72E-10	5.55E-11	9.46E-11	7.01E-12	1.57E-10	3.15E-11	5.22E-11	1.73E-12	8.54E-11
1973	741006.23	4107868.46	3.70E-10	6.74E-10	3.70E-11	1.08E-09	5.74E-11	1.11E-10	5.55E-12	1.73E-10	5.58E-11	9.51E-11	7.05E-12	1.58E-10	3.17E-11	5.25E-11	1.74E-12	8.59E-11
1974	741030.04	4107864.07	3.72E-10	6.77E-10	3.72E-11	1.09E-09	5.76E-11	1.11E-10	5.58E-12	1.74E-10	5.60E-11	9.55E-11	7.08E-12	1.59E-10	3.18E-11	5.27E-11	1.75E-12	8.63E-11
1975	741053.85	4107859.68	3.73E-10	6.80E-10	3.74E-11	1.09E-09	5.79E-11	1.12E-10	5.60E-12	1.75E-10	5.63E-11	9.60E-11	7.12E-12	1.59E-10	3.20E-11	5.29E-11	1.75E-12	8.67E-11
1976	741077.66	4107855.29	3.75E-10	6.83E-10	3.75E-11	1.10E-09	5.81E-11	1.12E-10	5.63E-12	1.76E-10	5.65E-11	9.64E-11	7.14E-12	1.60E-10	3.21E-11	5.31E-11	1.76E-12	8.70E-11
1977	741101.47	4107850.9	3.76E-10	6.85E-10	3.76E-11	1.10E-09	5.83E-11	1.12E-10	5.64E-12	1.76E-10	5.67E-11	9.67E-11	7.16E-12	1.61E-10	3.22E-11	5.33E-11	1.77E-12	8.73E-11
1978	741125.28	4107846.51	3.77E-10	6.87E-10	3.77E-11	1.10E-09	5.84E-11	1.13E-10	5.66E-12	1.77E-10	5.68E-11	9.69E-11	7.18E-12	1.61E-10	3.23E-11	5.34E-11	1.77E-12	8.75E-11
1979	741149.09	4107842.13	3.78E-10	6.88E-10	3.78E-11	1.10E-09	5.86E-11	1.13E-10	5.67E-12	1.77E-10	5.69E-11	9.71E-11	7.19E-12	1.61E-10	3.24E-11	5.35E-11	1.77E-12	8.77E-11
1980	741172.89	4107837.74	3.78E-10	6.89E-10	3.78E-11	1.11E-09	5.86E-11	1.13E-10	5.68E-12	1.77E-10	5.70E-11	9.72E-11	7.21E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.78E-11
1981	741196.7	4107833.35	3.79E-10	6.90E-10	3.79E-11	1.11E-09	5.87E-11	1.13E-10	5.68E-12	1.77E-10	5.71E-11	9.73E-11	7.21E-12	1.62E-10	3.24E-11	5.37E-11	1.78E-12	8.79E-11
1982	741220.51	4107828.96	3.79E-10	6.91E-10	3.80E-11	1.11E-09	5.88E-11	1.13E-10	5.69E-12	1.78E-10	5.72E-11	9.75E-11	7.23E-12	1.62E-10	3.25E-11	5.38E-11	1.78E-12	8.81E-11
1983	741244.32	4107824.57	3.80E-10	6.93E-10	3.80E-11	1.11E-09	5.90E-11	1.14E-10	5.71E-12	1.78E-10	5.73E-11	9.77E-11	7.24E-12	1.62E-10	3.26E-11	5.39E-11	1.79E-12	8.83E-11
1984	741268.13	4107820.18	3.81E-10	6.94E-10	3.81E-11	1.11E-09	5.91E-11	1.14E-10	5.72E-12	1.79E-10	5.75E-11	9.79E-11	7.26E-12	1.63E-10	3.26E-11	5.40E-11	1.79E-12	8.85E-11
1985	741291.94	4107815.79	3.82E-10	6.97E-10	3.83E-11	1.12E-09	5.93E-11	1.14E-10	5.74E-12	1.79E-10	5.77E-11	9.83E-11	7.29E-12	1.63E-10	3.28E-11	5.42E-11	1.80E-12	8.88E-11
1986	741315.75	4107811.4	3.84E-10	7.00E-10	3.84E-11	1.12E-09	5.96E-11	1.15E-10	5.76E-12	1.80E-10	5.79E-11	9.87E-11	7.32E-12	1.64E-10	3.29E-11	5.45E-11	1.80E-12	8.92E-11
1987	741339.56	4107807.01	3.86E-10	7.03E-10	3.86E-11	1.13E-09	5.99E-11	1.15E-10	5.79E-12	1.81E-10	5.82E-11	9.92E-11	7.36E-12	1.65E-10	3.31E-11	5.47E-11	1.81E-12	8.96E-11
1988	741363.37	4107802.62	3.89E-10	7.08E-10	3.89E-11	1.14E-09	6.03E-11	1.16E-10	5.83E-12	1.82E-10	5.86E-11	9.99E-11	7.41E-12	1.66E-10	3.33E-11	5.51E-11	1.83E-12	9.02E-11
1989	741387.18	4107798.23	3.92E-10	7.13E-10	3.92E-11	1.14E-09	6.07E-11	1.17E-10	5.88E-12	1.84E-10	5.90E-11	1.01E-10	7.46E-12	1.67E-10	3.35E-11	5.55E-11	1.84E-12	9.09E-11
1990	741410.99	4107793.84	3.95E-10	7.19E-10	3.95E-11	1.15E-09	6.12E-11	1.18E-10	5.93E-12	1.85E-10	5.95E-11	1.01E-10	7.52E-12	1.69E-10	3.38E-11	5.60E-11	1.86E-12	9.17E-11
1991	741434.8	4107789.45	3.98E-10	7.26E-10	3.99E-11	1.16E-09	6.18E-11	1.19E-10	5.98E-12	1.87E-10	6.01E-11	1.02E-10	7.59E-12	1.70E-10	3.41E-11	5.65E-11	1.87E-12	9.25E-11
1992	741458.6	4107785.06	4.02E-10	7.33E-10	4.02E-11	1.17E-09	6.23E-11	1.20E-10	6.03E-12	1.88E-10	6.06E-11	1.03E-10	7.66E-12	1.72E-10	3.44E-11	5.70E-11	1.89E-12	9.33E-11
1993	741482.41	4107780.67	4.06E-10	7.39E-10	4.06E-11	1.19E-09	6.29E-11	1.21E-10	6.09E-12	1.90E-10	6.12E-11	1.04E-10	7.73E-12	1.73E-10	3.48E-11	5.75E-11	1.91E-12	9.42E-11
1994	741506.22	4107776.28	4.10E-10	7.46E-10	4.10E-11	1.20E-09	6.35E-11	1.22E-10	6.15E-12	1.92E-10	6.18E-11	1.05E-10	7.80E-12	1.75E-10	3.51E-11	5.81E-11	1.92E-12	9.51E-11
1995	741530.03	4107771.9	4.13E-10	7.52E-10	4.13E-11	1.21E-09	6.40E-11	1.23E-10	6.20E-12	1.94E-10	6.23E-11	1.06E-10	7.87E-12	1.76E-10	3.54E-11	5.85E-11	1.94E-12	9.58E-11
1996	741553.84	4107767.51	4.16E-10	7.58E-10	4.16E-11	1.22E-09	6.45E-11	1.24E-10	6.24E-12	1.95E-10	6.27E-11	1.07E-10	7.92E-12	1.78E-10	3.56E-11	5.90E-11	1.95E-12	9.65E-11
1997	741577.65	4107763.12	4.19E-10	7.63E-10	4.19E-11	1.22E-09	6.49E-11	1.25E-10	6.28E-12	1.96E-10	6.31E-11	1.08E-10	7.98E-12	1.79E-10	3.59E-11	5.94E-11	1.97E-12	9.72E-11
1998	741601.46	4107758.73	4.21E-10	7.67E-10	4.21E-11	1.23E-09	6.53E-11	1.26E-10	6.32E-12	1.97E-10	6.35E-11	1.08E-10	8.02E-12	1.80E-10	3.61E-11	5.97E-11	1.98E-12	9.77E-11
1999	741625.27	4107754.34	4.23E-10	7.71E-10	4.23E-11	1.24E-09	6.56E-11	1.26E-10	6.35E-12	1.98E-10	6.38E-11	1.09E-10	8.06E-12	1.81E-10	3.62E-11	6.00E-11	1.99E-12	9.82E-11
2000	741649.08	4107749.95	4.25E-10	7.74E-10	4.25E-11	1.24E-09	6.59E-11	1.27E-10	6.37E-12	1.99E-10	6.41E-11	1.09E-10	8.09E-12	1.81E-10	3.64E-11	6.02E-11	2.00E-12	9.86E-11
2001	741672.89	4107745.56	4.26E-10	7.76E-10	4.26E-11	1.24E-09	6.61E-11	1.27E-10	6.39E-12	2.00E-10	6.42E-11	1.10E-10	8.12E-12	1.82E-10	3.65E-11	6.04E-11	2.00E-12	9.89E-11
2002	741696.7	4107741.17	4.27E-10	7.79E-10	4.28E-11	1.25E-09	6.63E-11	1.28E-10	6.41E-12	2.00E-10	6.44E-11	1.10E-10	8.14E-12	1.82E-10	3.66E-11	6.06E-11	2.01E-12	9.92E-11
2003	741720.51	4107736.78	4.29E-10	7.81E-10	4.29E-11	1.25E-09	6.65E-11	1.28E-10	6.43E-12	2.01E-10	6.46E-11	1.10E-10	8.17E-12	1.83E-10	3.67E-11	6.08E-11	2.01E-12	9.95E-11
2004	741744.31	4107732.39	4.30E-10	7.83E-10	4.30E-11	1.26E-09	6.66E-11	1.28E-10	6.45E-12	2.01E-10	6.48E-11	1.10E-10	8.19E-12	1.83E-10	3.68E-11	6.09E-11	2.02E-12	9.98E-11
2005	741768.12	4107728	4.31E-10	7.86E-10	4.32E-11	1.26E-09	6.69E-11	1.29E-10	6.47E-12	2.02E-10	6.50E-11	1.11E-10	8.22E-12	1.84E-10	3.70E-11	6.12E-11	2.03E-12	1.00E-10
2006	741791.93	4107723.61	4.33E-10	7.89E-10	4.33E-11	1.27E-09	6.72E-11	1.29E-10	6.50E-12	2.03E-10	6.53E-11	1.11E-10	8.25E-12	1.85E-10	3.71E-11	6.14E-11	2.04E-12	1.01E-10
2007	741815.74	4107719.22	4.35E-10	7.93E-10	4.35E-11	1.27E-09	6.75E-11	1.30E-10	6.53E-12	2.04E-10	6.56E-11	1.12E-10	8.29E-12	1.86E-10	3.73E-11	6.17E-11	2.04E-12	1.01E-10
2008	741839.55	4107714.83	4.37E-10	7.97E-10	4.38E-11	1.28E-09	6.78E-11	1.31E-10	6.56E-12	2.05E-10	6.59E-11	1.12E-10	8.33E-12	1.87E-10	3.75E-11	6.20E-11	2.05E-12	1.02E-10
2009	741863.36	4107710.44	4.40E-10	8.01E-10	4.40E-11	1.29E-09	6.82E-11	1.31E-10	6.60E-12	2.06E-10	6.63E-11	1.13E-10	8.38E-12	1.88E-10	3.77E-11	6.24E-11	2.07E-12	1.02E-10
2010	741887.17	4107706.05	4.43E-10	8.06E-10	4.43E-11	1.29E-09	6.86E-11	1.32E-10	6.64E-12	2.07E-10	6.67E-11	1.14E-10	8.43E-12	1.89E-10	3.79E-11	6.28E-11	2.08E-12	1.03E-10
2011	741910.98	4107701.67	4.45E-10	8.12E-10	4.46E-11	1.30E-09	6.91E-11	1.33E-10	6.69E-12	2.09E-10	6.72E-11	1.15E-10	8.49E-12	1.90E-10	3.82E-11	6.32E-11	2.09E-12	1.03E-10
2012	741934.79	4107697.28	4.48E-10	8.17E-10	4.49E-11	1.31E-09	6.95E-11	1.34E-10	6.73E-12	2.10E-10	6.76E-11	1.15E-10	8.55E-12	1.91E-10	3.84E-11	6.36E-11	2.11E-12	1.04E-10

2013	741958.6	4107692.89	4.51E-10	8.22E-10	4.52E-11	1.32E-09	7.00E-11	1.35E-10	6.77E-12	2.12E-10	6.81E-11	1.16E-10	8.60E-12	1.93E-10	3.87E-11	6.40E-11	2.12E-12	1.05E-10
2014	741982.41	4107688.5	4.54E-10	8.28E-10	4.54E-11	1.33E-09	7.04E-11	1.36E-10	6.82E-12	2.13E-10	6.85E-11	1.17E-10	8.66E-12	1.94E-10	3.89E-11	6.44E-11	2.13E-12	1.05E-10
2015	742006.21	4107684.11	4.57E-10	8.32E-10	4.57E-11	1.33E-09	7.08E-11	1.36E-10	6.85E-12	2.14E-10	6.88E-11	1.17E-10	8.70E-12	1.95E-10	3.91E-11	6.47E-11	2.15E-12	1.06E-10
2016	742030.02	4107679.72	4.58E-10	8.35E-10	4.59E-11	1.34E-09	7.11E-11	1.37E-10	6.88E-12	2.15E-10	6.91E-11	1.18E-10	8.74E-12	1.96E-10	3.93E-11	6.50E-11	2.15E-12	1.06E-10
2017	742053.83	4107675.33	4.60E-10	8.37E-10	4.60E-11	1.34E-09	7.13E-11	1.37E-10	6.90E-12	2.15E-10	6.93E-11	1.18E-10	8.76E-12	1.96E-10	3.94E-11	6.52E-11	2.16E-12	1.07E-10
2018	742077.64	4107670.94	4.60E-10	8.38E-10	4.60E-11	1.34E-09	7.14E-11	1.37E-10	6.91E-12	2.16E-10	6.94E-11	1.18E-10	8.77E-12	1.96E-10	3.94E-11	6.52E-11	2.16E-12	1.07E-10
2019	742101.45	4107666.55	4.60E-10	8.39E-10	4.61E-11	1.35E-09	7.14E-11	1.38E-10	6.91E-12	2.16E-10	6.94E-11	1.18E-10	8.77E-12	1.97E-10	3.94E-11	6.53E-11	2.16E-12	1.07E-10
2020	742125.26	4107662.16	4.60E-10	8.37E-10	4.60E-11	1.34E-09	7.13E-11	1.37E-10	6.90E-12	2.15E-10	6.93E-11	1.18E-10	8.76E-12	1.96E-10	3.94E-11	6.52E-11	2.16E-12	1.07E-10
2021	742149.07	4107657.77	4.58E-10	8.35E-10	4.58E-11	1.34E-09	7.10E-11	1.37E-10	6.88E-12	2.15E-10	6.91E-11	1.18E-10	8.73E-12	1.96E-10	3.93E-11	6.50E-11	2.15E-12	1.06E-10
2022	742172.88	4107653.38	4.56E-10	8.32E-10	4.57E-11	1.33E-09	7.08E-11	1.36E-10	6.85E-12	2.14E-10	6.88E-11	1.17E-10	8.70E-12	1.95E-10	3.91E-11	6.47E-11	2.14E-12	1.06E-10
2023	742196.69	4107648.99	4.54E-10	8.28E-10	4.54E-11	1.33E-09	7.04E-11	1.36E-10	6.82E-12	2.13E-10	6.85E-11	1.17E-10	8.66E-12	1.94E-10	3.89E-11	6.44E-11	2.13E-12	1.05E-10
2024	742220.5	4107644.6	4.52E-10	8.24E-10	4.52E-11	1.32E-09	7.01E-11	1.35E-10	6.78E-12	2.12E-10	6.82E-11	1.16E-10	8.61E-12	1.93E-10	3.87E-11	6.41E-11	2.12E-12	1.05E-10
2025	742244.31	4107640.21	4.50E-10	8.19E-10	4.50E-11	1.31E-09	6.97E-11	1.34E-10	6.75E-12	2.11E-10	6.78E-11	1.16E-10	8.57E-12	1.92E-10	3.85E-11	6.38E-11	2.11E-12	1.04E-10
2026	742268.12	4107635.82	4.48E-10	8.16E-10	4.48E-11	1.31E-09	6.94E-11	1.34E-10	6.72E-12	2.10E-10	6.75E-11	1.15E-10	8.53E-12	1.91E-10	3.84E-11	6.35E-11	2.10E-12	1.04E-10
2027	742291.92	4107631.44	4.46E-10	8.13E-10	4.46E-11	1.30E-09	6.92E-11	1.33E-10	6.69E-12	2.09E-10	6.73E-11	1.15E-10	8.50E-12	1.90E-10	3.82E-11	6.32E-11	2.10E-12	1.04E-10
2028	742315.73	4107627.05	4.45E-10	8.11E-10	4.45E-11	1.30E-09	6.90E-11	1.33E-10	6.68E-12	2.09E-10	6.71E-11	1.14E-10	8.48E-12	1.90E-10	3.81E-11	6.31E-11	2.09E-12	1.03E-10
2029	742339.54	4107622.66	4.45E-10	8.10E-10	4.45E-11	1.30E-09	6.90E-11	1.33E-10	6.67E-12	2.09E-10	6.71E-11	1.14E-10	8.47E-12	1.90E-10	3.81E-11	6.31E-11	2.09E-12	1.03E-10
2030	742363.35	4107618.27	4.45E-10	8.11E-10	4.46E-11	1.30E-09	6.91E-11	1.33E-10	6.68E-12	2.09E-10	6.72E-11	1.14E-10	8.49E-12	1.90E-10	3.82E-11	6.31E-11	2.09E-12	1.03E-10
2031	742387.16	4107613.88	4.47E-10	8.14E-10	4.47E-11	1.31E-09	6.93E-11	1.33E-10	6.70E-12	2.09E-10	6.73E-11	1.15E-10	8.51E-12	1.91E-10	3.83E-11	6.33E-11	2.10E-12	1.04E-10
2032	742410.97	4107609.49	4.49E-10	8.17E-10	4.49E-11	1.31E-09	6.96E-11	1.34E-10	6.73E-12	2.10E-10	6.77E-11	1.15E-10	8.55E-12	1.92E-10	3.84E-11	6.36E-11	2.11E-12	1.04E-10
2033	742434.78	4107605.1	4.52E-10	8.24E-10	4.53E-11	1.32E-09	7.02E-11	1.35E-10	6.79E-12	2.12E-10	6.82E-11	1.16E-10	8.62E-12	1.93E-10	3.88E-11	6.41E-11	2.13E-12	1.05E-10
2034	742458.59	4107600.71	4.57E-10	8.33E-10	4.57E-11	1.34E-09	7.09E-11	1.37E-10	6.86E-12	2.14E-10	6.89E-11	1.18E-10	8.71E-12	1.95E-10	3.92E-11	6.48E-11	2.15E-12	1.06E-10
2035	742482.4	4107596.32	4.63E-10	8.44E-10	4.63E-11	1.35E-09	7.18E-11	1.38E-10	6.95E-12	2.17E-10	6.98E-11	1.19E-10	8.83E-12	1.98E-10	3.97E-11	6.57E-11	2.18E-12	1.08E-10
2036	742506.21	4107591.93	4.69E-10	8.55E-10	4.70E-11	1.37E-09	7.28E-11	1.40E-10	7.05E-12	2.20E-10	7.08E-11	1.21E-10	8.95E-12	2.00E-10	4.02E-11	6.66E-11	2.21E-12	1.09E-10
2037	742530.02	4107587.54	4.76E-10	8.67E-10	4.76E-11	1.39E-09	7.38E-11	1.42E-10	7.14E-12	2.23E-10	7.18E-11	1.22E-10	9.07E-12	2.03E-10	4.08E-11	6.75E-11	2.24E-12	1.11E-10
2038	742573.88	4107596.72	4.96E-10	9.04E-10	4.97E-11	1.45E-09	7.70E-11	1.48E-10	7.45E-12	2.33E-10	7.49E-11	1.28E-10	9.46E-12	2.12E-10	4.25E-11	7.04E-11	2.33E-12	1.15E-10
2039	742593.93	4107610.29	5.10E-10	9.29E-10	5.10E-11	1.49E-09	7.91E-11	1.52E-10	7.65E-12	2.39E-10	7.69E-11	1.31E-10	9.71E-12	2.18E-10	4.37E-11	7.23E-11	2.40E-12	1.18E-10
2040	742613.97	4107623.86	5.23E-10	9.52E-10	5.23E-11	1.53E-09	8.11E-11	1.56E-10	7.85E-12	2.45E-10	7.88E-11	1.34E-10	9.96E-12	2.23E-10	4.48E-11	7.41E-11	2.46E-12	1.21E-10
2041	742634.02	4107637.43	5.35E-10	9.75E-10	5.35E-11	1.56E-09	8.30E-11	1.60E-10	8.03E-12	2.51E-10	8.07E-11	1.38E-10	1.02E-11	2.28E-10	4.58E-11	7.59E-11	2.51E-12	1.24E-10
2042	742654.07	4107651	5.46E-10	9.95E-10	5.47E-11	1.60E-09	8.47E-11	1.63E-10	8.20E-12	2.56E-10	8.24E-11	1.40E-10	1.04E-11	2.33E-10	4.68E-11	7.75E-11	2.57E-12	1.27E-10
2043	742674.12	4107664.57	5.56E-10	1.01E-09	5.57E-11	1.63E-09	8.63E-11	1.66E-10	8.35E-12	2.61E-10	8.39E-11	1.43E-10	1.06E-11	2.37E-10	4.77E-11	7.89E-11	2.61E-12	1.29E-10
2044	742694.17	4107678.14	5.65E-10	1.03E-09	5.65E-11	1.65E-09	8.76E-11	1.69E-10	8.47E-12	2.65E-10	8.51E-11	1.45E-10	1.08E-11	2.41E-10	4.84E-11	8.00E-11	2.65E-12	1.31E-10
2045	742714.22	4107691.71	5.72E-10	1.04E-09	5.72E-11	1.67E-09	8.86E-11	1.71E-10	8.58E-12	2.68E-10	8.62E-11	1.47E-10	1.09E-11	2.44E-10	4.90E-11	8.10E-11	2.69E-12	1.33E-10
2046	742734.27	4107705.28	5.77E-10	1.05E-09	5.78E-11	1.69E-09	8.95E-11	1.72E-10	8.66E-12	2.71E-10	8.70E-11	1.48E-10	1.10E-11	2.46E-10	4.95E-11	8.18E-11	2.71E-12	1.34E-10
2047	742754.32	4107718.85	5.81E-10	1.06E-09	5.81E-11	1.70E-09	9.01E-11	1.74E-10	8.72E-12	2.72E-10	8.76E-11	1.49E-10	1.11E-11	2.48E-10	4.98E-11	8.24E-11	2.73E-12	1.35E-10
2048	742774.37	4107732.42	5.83E-10	1.06E-09	5.84E-11	1.70E-09	9.05E-11	1.74E-10	8.75E-12	2.73E-10	8.80E-11	1.50E-10	1.11E-11	2.49E-10	5.00E-11	8.27E-11	2.74E-12	1.35E-10
2049	742794.42	4107745.99	5.84E-10	1.06E-09	5.84E-11	1.71E-09	9.06E-11	1.75E-10	8.77E-12	2.74E-10	8.81E-11	1.50E-10	1.11E-11	2.49E-10	5.01E-11	8.28E-11	2.75E-12	1.36E-10
2050	742814.47	4107759.56	5.84E-10	1.06E-09	5.84E-11	1.71E-09	9.05E-11	1.74E-10	8.76E-12	2.74E-10	8.80E-11	1.50E-10	1.11E-11	2.49E-10	5.00E-11	8.28E-11	2.74E-12	1.36E-10
2051	742834.52	4107773.13	5.83E-10	1.06E-09	5.83E-11	1.70E-09	9.04E-11	1.74E-10	8.75E-12	2.73E-10	8.79E-11	1.50E-10	1.11E-11	2.49E-10	4.99E-11	8.26E-11	2.74E-12	1.35E-10
2052	742854.57	4107786.7	5.81E-10	1.06E-09	5.81E-11	1.70E-09	9.01E-11	1.74E-10	8.72E-12	2.72E-10	8.76E-11	1.49E-10	1.11E-11	2.48E-10	4.98E-11	8.24E-11	2.73E-12	1.35E-10
2053	742874.62	4107800.27	5.80E-10	1.06E-09	5.80E-11	1.69E-09	8.99E-11	1.73E-10	8.70E-12	2.72E-10	8.74E-11	1.49E-10	1.10E-11	2.47E-10	4.97E-11	8.22E-11	2.72E-12	1.35E-10
2054	742894.67	4107813.85	5.78E-10	1.05E-09	5.79E-11	1.69E-09	8.97E-11	1.73E-10	8.68E-12	2.71E-10	8.72E-11	1.49E-10	1.10E-11	2.47E-10	4.96E-11	8.20E-11	2.72E-12	1.34E-10
2055	742914.72	4107827.42	5.78E-10	1.05E-09	5.78E-11	1.69E-09	8.96E-11	1.73E-10	8.68E-12	2.71E-10	8.72E-11	1.49E-10	1.10E-11	2.47E-10	4.95E-11	8.20E-11	2.72E-12	1.34E-10
2056	742934.77	4107840.99	5.79E-10	1.05E-09	5.79E-11	1.69E-09	8.98E-11	1.73E-10	8.69E-12	2.71E-10	8.73E-11	1.49E-10	1.10E-11	2.47E-10	4.96E-11	8.21E-11	2.72E-12	1.34E-10
2057	742954.82	4107854.56	5.81E-10	1.06E-09	5.81E-11	1.70E-09	9.01E-11	1.74E-10	8.72E-12	2.72E-10	8.76E-11	1.49E-10	1.11E-11	2.48E-10	4.98E-11	8.24E-11	2.73E-12	1.35E-10
2058	742974.87	4107868.13	5.84E-10	1.06E-09	5.85E-11	1.71E-09	9.06E-11	1.75E-10	8.77E-12	2.74E-10	8.81E-11	1.50E-10	1.11E-11	2.49E-10	5.01E-11	8.29E-11	2.75E-12	1.36E-10
2059	742994.92	4107881.7	5.89E-10	1.07E-09	5.89E-11	1.72E-09	9.14E-11	1.76E-10	8.84E-12	2.76E-10	8.88E-11	1.51E-10	1.12E-11	2.52E-10	5.05E-11	8.35E-11	2.77E-12	1.37E-10
2060	743014.97	4107895.27	5.95E-10	1.09E-09	5.96E-11	1.74E-09	9.23E-11	1.78E-10	8.94E-12	2.79E-10	8.98E-11	1.53E-10	1.13E-11	2.54E-10	5.10E-11	8.44E-11	2.80E-12	1.38E-10
2061	743035.02	4107908.84	6.03E-10	1.10E-09	6.03E-11	1.76E-09	9.35E-11	1.80E-10	9.05E-12	2.83E-10	9.09E-11	1.55E-10	1.15E-11	2.57E-10	5.17E-11	8.55E-11	2.83E-12	1.40E-10
2062	743055.07	4107922.41	6.11E-10	1.11E-09	6.12E-11	1.79E-09	9.48E-11	1.83E-10	9.18E-12	2.87E-10	9.22E-11	1.57E-10	1.17E-11	2.61E-10	5.24E-11	8.67E-11	2.87E-12	1.42E-10
2063	743075.12	4107935.98	6.21E-10	1.13E-09	6.21E-11	1.81E-09	9.63E-11	1.85E-10	9.32E-12	2.91E-10	9.36E-11	1.60E-10	1.18E-11	2.65E-10	5.32E-11	8.80E-11	2.92E-12	1.44E-10
2064	743095.17	4107949.55	6.31E-10	1.15E-09	6.31E-11	1.84E-09	9.79E-11	1.89E-10	9.47E-12	2.96E-10	9.52E-11	1.62E-10	1.20E-11	2.69E-10	5.41E-11	8.95E-11	2.97E-12	1.47E-10
2065	743115.22	4107963.12	6.42E-10	1.17E-09	6.42E-11	1.88E-09	9.95E-11	1.92E-10	9.63E-12	3.01E-10	9.68E-11	1.65E-10	1.22E-11	2.74E-10	5.50E-11	9.10E-11	3.02E-12	1.49E-10
2066	743135.27	4107976.69	6.53E-10	1.19E-09	6.54E-11	1.91E-09	1.01E-10	1.95E-10	9.81E-12	3.06E-10	9.85E-11	1.68E-10	1.24E-11	2.79E-10	5.60E-11	9.26E-11	3.07E-12	1.52E-10
2067	743155.32	4107990.26	6.66E-10	1.21E-09	6.66E-11	1.94E-09	1.03E-10	1.99E-10	9.99E-12	3.12E-10	1.00E-10	1.71E-10	1.27E-11	2.84E-10	5.70E-11	9.44E-11	3.13E-12	1.55E-10
2068	743175.37	4108003.83	6.78E-10	1.24E-09	6.79E-11	1.98E-09	1.05E-10	2.03E-10	1.02E-11	3.18E-10	1.02E-10	1.74E-10	1.29E-11	2.90E-10	5.81E-11	9.62E-11	3.19E-12	1.58E-10
2069	743195.42	4108017.4	6.92E-10	1.26E-09	6.93E-11	2.02E-09	1.07E-10	2.07E-10	1.04E-11	3.25E-10	1.04E-10	1.78E-10	1.32E-11	2.96E-10	5.93E-11	9.82E-11	3.25E-12	1.61E-10
2070	743215.47	4108030.97	7.07E-10	1.29E-09	7.08E-11	2.07E-09	1.10E-10	2.11E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.02E-10	6.06E-11	1.00E-10	3.32E-12	1.64E-10
2071	743235.52	4108044.54	7.23E-10	1.32E-09	7.23E-11	2.11E-09	1.12E-10	2.16E-10	1.09E-11	3.39E-10	1.09E-10	1.86E-10	1.38E-11	3.09E-10	6.20E-11	1.03E-10	3.40E-12	1.68E-10
2072	743255.57	4108058.11	7.40E-10	1.35E-09	7.40E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.12E-10	1.90E-10	1.41E-11	3.16E-10	6.34E-11	1.05E-10	3.48E-12	1.72E-10
2073	743275.62	4108071.68	7.57E-10	1.38E-09	7.57E-11	2.21E-09	1.17E-10	2.26E-10	1.14E-11	3.55E-10	1.14E-10	1.95E-10	1.44E-11	3.23E-10	6.49E-11	1.07E-10	3.56E-12	1.76E-10
2074	743295.67	4108085.25	7.76E-10	1.41E-09	7.76E-11	2.27E-09	1.20E-10	2.32E-10	1.16E-11	3.64E-10	1.17E-10	1.99E-10	1.48E-11	3.31E-10	6.65E-11	1.10E-10	3.65E-12	1.80E-10
2075	743315.72	4108098.82	7.95E-10	1.45E-09	7.96E-11	2.32E-09	1.23E-10	2.38E-10	1.19E-11	3.73E-10	1.20E-10	2.04E-10	1.52E-11	3.39E-10	6.81E-11	1.13E-10	3.74E-12	1.85E-10
2076	743335.77	4108112.39	8.15E-10	1.48E-09	8.15E-11	2.38E-09	1.26E-10	2.43E-10	1.22E-11	3.82E-10	1.23E-10	2.09E-10	1.55E-11	3.48E-10	6.98E-11	1.16E-10	3.83E-12	1.89E-10
2077	743355.82	4108125.96	8.35E-10	1.52E-09	8.36E-11	2.44E-09	1.30E-10	2.50E-10	1.25E-11	3.92E-10	1.26E-10	2.15E-10	1.59E-11	3.57E-10	7.16E-11	1.18E-10	3.93E-12	1.94E-10
2078	743375.87	4108139.53	8.56E-10	1.56E-09	8.57E-11	2.50E-09	1.33E-10	2.56E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.34E-11	1.21E-10	4.02E-12	1.99E-10
2079	743395.92	4108153.1	8.77E-10	1.60E-09	8.78E-11	2.56E-09	1.36E-10	2.62E-10	1.32E-11	4.11E-10	1.32E-10	2.26E-10	1.67E-11	3.75E-10	7.52E-11	1.24E-10	4.12E-12	2.04E-10
2080	743415.97	4108166.67	8.99E-10	1.64E-09	8.99E-11	2.63E-09	1.39E-10	2.69E-10	1.35E-11	4.21E-10	1.36E-10	2.31E-10	1.71E-11	3.84E-10	7.70E-11	1.27E-10	4.22E-12	2.09E-10
2081	743436.01	4108180.24	9.21E-10	1.68E-09	9.21E-11	2.69E-09	1.43E-10	2.75E-10	1.38E-11	4.32E-10	1.39E-10	2.37E-10	1.75E-11	3.93E-10	7.89E-11	1.31E-10	4.33E-12	2.14E-10
2082	743456.06	4108193.81	9.43E-10	1.72E-09	9.43E-11	2.76E-09	1.46E-10	2.82E-10	1.42E-11	4.42E-10	1.42E-10	2.42E-10	1.80E-11	4.03E-10	8.08E-11	1.34E-10	4.43E-12	2.19E-10
2083	743476.11	4108207.38	9.65E-10	1.76E-09	9.66E-11	2.82E-09	1.50E-10	2.88E-10	1.45E-11	4.52E-10	1.46E-10	2.48E-10	1.84E-11	4.12E-10	8.27E-11	1.37E-10	4.54E-12	2.24E-10
2084	743496.16	4108220.95	9.87E-10	1.80E-09	9.88E-11	2.88E-09	1.53E-10	2.95E-10	1.48E-11	4.63E-10	1.49E-10	2.54E-10	1.88E-11	4.21E-10	8.46E-11	1.40E-10	4.64E-12	2.29E-10
2085	743516.21	4108234.52	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.56E-10	3.01E-10	1.51E-11	4.73E-10	1.52E-10	2.59E-10	1.92E-11	4.31E-10	8.64E-11	1.43E-10	4.74E-12	2.34E-10
2086	743536.26	4108248.09	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
2087	743556.31	4108261.66	1.05E-09	1.91E-09	1.05E-10	3.07E-09	1.63E-10	3.14E-10	1.58E-11	4.92E-10	1.58E-10	2.70E-10	2.00E-11	4.48E-10	9.00E-11	1.49E-10	4.93E-12	2.44E-10
2088	743576.36	4108275.23	1.07E-09	1.95E-09	1.07E-10	3.12E-09	1.66E-10	3.19E-10	1.60E-11	5.01E-10	1.61E-10	2.75E-10	2.04E-11	4.56E-10	9.16E-11	1.52E-10	5.02E-12	2.48E-10
2089	743596.41	4108288.8	1.09E-09	1.98E-09	1.09E-10	3.17E-09	1.68E-10	3.24E-10	1.63E-11	5.09E-10	1.64E-10	2.79E-10	2.07E-11	4.64E-10	9.31E-11	1.54E-10	5.10E-12	2.52E-10
2090	743616.46	4108302.37	1.10E-09	2.01E-09	1.10E-10	3.22E-09	1.71E-10	3.29E-10	1.65E-11	5.16E-10	1.66E-10	2.83E-10	2.10E-11	4.70E-10	9.44E-11	1.56E-10	5.18E-12	2.56E-10
2091	743636.51	4108315.94	1.11E-09	2.03E-09	1.12E-10	3.26E-09	1.73E-10	3.33E-10	1.67E-11	5.23E-10	1.68E-10	2.87E-10	2.12E-11	4.76E-10	9.55E-11	1.58E-10	5.24E-12	2.59E-10
2092	743656.56	4108329.51	1.13E-09	2.05E-09	1.13E-10	3.29E-09	1.75E-10	3.36E-10	1.69E-11	5.28E-10	1.70E-10	2.89E-10	2.15E-11	4.81E-10	9.65E-11	1.60E-10	5.29E-12	2.61E-10
2093	743676.61	4108343.08	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.39E-10	1.70E-11	5.32E-10	1.71E-10	2.92E-10	2.16E-11	4.85E-10	9.73E-11	1.61E-10	5.33E-12	2.64E-10
2094	743696.66	4108356.65	1.14E-09	2.08E-09	1.14E-10	3.34E-09	1.77E-10	3.41E-10	1.71E-11	5.36E-10	1.72E-10	2.94E-10	2.18E-11	4.88E-10	9.79E-11	1.62E-10	5.37E-12	2.65E-10
2095	743716.71	4108370.22	1.15E-09	2.09E-09	1.15E-10	3.35E-09	1.78E-10	3.43E-10	1.72E-11	5.38E-10	1.73E-10	2.95E-10	2.19E-11	4.90E-10	9.84E-11	1.63E-10	5.40E-12	2.67E-10
2096	743736.76	4108383.79	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.44E-10	1.73E-11	5.41E-10	1.74E-10	2.96E-10	2.20E-11	4.92E-10	9.88E-11	1.63E-10	5.42E-12	2.68E-10
2097	743756.81	4108397.36	1.16E-09	2.11E-09	1.16E-10	3.38E-09	1.80E-10	3.46E-10	1.74E-11	5.43E-10	1.75E-10	2.98E-10	2.21E-11	4.94E-10	9.92E-11	1.64E-10	5.44E-12	2.69E-10
2098	743776.86	4108410.93	1.16E-09	2.12E-09	1.16E-10	3.40E-09	1.80E-10	3.47E-10	1.74E-11	5.45E-10	1.75E-10	2.99E-10	2.22E-11	4.96E-10	9.96E-11	1.65E-10	5.46E-12	2.70E-10
2099	743796.91	4108424.5	1.17E-09	2.13E-09	1.17E-10	3.41E-09	1.81E-10	3.49E-10	1.75E-11	5.48E-10	1.76E-10	3.00E-10	2.23E-11	4.99E-10	1.00E-10	1.66E-10	5.49E-12	2.71E-10
2100	743816.96	4108438.07	1.17E-09	2.14E-09	1.18E-10	3.43E-09	1.82E-10	3.51E-10	1.76E-11	5.51E-10	1.77E-10	3.02E-10	2.24E-11	5.01E-10	1.01E-10	1.67E-10	5.52E-12	2.73E-10
2101	743837.01	4108451.64	1.18E-09	2.16E-09	1.18E-10	3.46E-09	1.83E-10	3.53E-10	1.78E-11	5.55E-10	1.78E-10	3.04E-10	2.25E-11	5.05E-10	1.01E-10	1.68E-10	5.56E-12	2.75E-10
2102	743857.06	4108465.21	1.19E-09	2.17E-09	1.19E-10	3.48E-09	1.85E-10	3.56E-10	1.79E-11	5.59E-10	1.80E-10	3.07E-10	2.27E-11	5.09E-10	1.02E-10	1.69E-10	5.60E-12	2.77E-10
2103	743877.11	4108478.78	1.20E-09	2.19E-09	1.20E-10	3.52E-09	1.87E-10	3.59E-10	1.81E-11	5.64E-10	1.81E-10	3.09E-10	2.29E-11	5.14E-10	1.03E-10	1.71E-10	5.65E-12	2.79E-10
2104	743897.16	4108492.35	1.21E-09	2.21E-09	1.22E-10	3.55E-09	1.88E-10	3.63E-10	1.82E-11	5.70E-10	1.83E-10	3.12E-10	2.31E-11	5.19E-10	1.04E-10	1.72E-10	5.71E-12	2.82E-10
2105	743917.21	4108505.92	1.23E-09	2.23E-09	1.23E-10	3.58E-09	1.90E-10	3.66E-10	1.84E-11	5.75E-10	1.85E-10	3.15E-10	2.34E-11	5.24E-10	1.05E-10	1.74E-10	5.76E-12	2.85E-10
2106	743937.26	4108519.49	1.24E-09	2.25E-09	1.24E-10	3.62E-09	1.92E-10	3.70E-10	1.86E-11	5.80E-10	1.87E-10	3.18E-10	2.36E-11	5.28E-10	1.06E-10	1.75E-10	5.82E-12	2.87E-10
2107	743957.31	4108533.06	1.25E-09	2.27E-09	1.25E-10	3.64E-09	1.93E-10	3.73E-10	1.87E-11	5.85E-10	1.88E-10	3.21E-10	2.38E-11	5.32E-10	1.07E-10	1.77E-10	5.86E-12	2.90E-10
2108	743977.36	4108546.63	1.26E-09	2.29E-09	1.26E-10	3.67E-09	1.95E-10	3.75E-10	1.88E-11	5.89E-10	1.89E-10	3.23E-10	2.39E-11	5.36E-10	1.08E-10	1.78E-10	5.90E-12	2.92E-10

2109	740839.57	4107899.19	3.61E-10	6.58E-10	3.61E-11	1.06E-09	5.60E-11	1.08E-10	5.42E-12	1.69E-10	5.44E-11	9.28E-11	6.88E-12	1.54E-10	3.09E-11	5.12E-11	1.70E-12	8.38E-11
2110	740818.93	4107912.44	3.64E-10	6.64E-10	3.65E-11	1.06E-09	5.65E-11	1.09E-10	5.47E-12	1.71E-10	5.49E-11	9.37E-11	6.94E-12	1.56E-10	3.12E-11	5.17E-11	1.71E-12	8.46E-11
2111	740798.29	4107925.7	3.68E-10	6.71E-10	3.69E-11	1.08E-09	5.71E-11	1.10E-10	5.53E-12	1.73E-10	5.55E-11	9.47E-11	7.02E-12	1.57E-10	3.16E-11	5.22E-11	1.73E-12	8.55E-11
2112	740777.65	4107938.96	3.73E-10	6.80E-10	3.73E-11	1.09E-09	5.79E-11	1.11E-10	5.60E-12	1.75E-10	5.63E-11	9.59E-11	7.11E-12	1.59E-10	3.20E-11	5.29E-11	1.75E-12	8.66E-11
2113	740757.01	4107952.21	3.79E-10	6.90E-10	3.79E-11	1.11E-09	5.88E-11	1.13E-10	5.69E-12	1.78E-10	5.71E-11	9.74E-11	7.22E-12	1.62E-10	3.25E-11	5.37E-11	1.78E-12	8.80E-11
2114	740736.37	4107965.47	3.85E-10	7.02E-10	3.85E-11	1.13E-09	5.97E-11	1.15E-10	5.78E-12	1.81E-10	5.81E-11	9.90E-11	7.34E-12	1.64E-10	3.30E-11	5.46E-11	1.81E-12	8.94E-11
2115	740715.74	4107978.73	3.92E-10	7.14E-10	3.92E-11	1.15E-09	6.08E-11	1.17E-10	5.88E-12	1.84E-10	5.91E-11	1.01E-10	7.47E-12	1.67E-10	3.36E-11	5.56E-11	1.84E-12	9.10E-11
2116	740647.35	4107558.22	2.83E-10	5.15E-10	2.83E-11	8.26E-10	4.38E-11	8.44E-11	4.24E-12	1.33E-10	4.26E-11	7.27E-11	5.39E-12	1.21E-10	2.42E-11	4.01E-11	1.33E-12	6.56E-11
2117	740671.3	4107553.8	2.83E-10	5.16E-10	2.83E-11	8.27E-10	4.39E-11	8.45E-11	4.25E-12	1.33E-10	4.27E-11	7.27E-11	5.39E-12	1.21E-10	2.42E-11	4.01E-11	1.33E-12	6.57E-11
2118	740695.26	4107549.39	2.84E-10	5.17E-10	2.84E-11	8.29E-10	4.40E-11	8.47E-11	4.26E-12	1.33E-10	4.28E-11	7.29E-11	5.41E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.59E-11
2119	740719.22	4107544.97	2.85E-10	5.19E-10	2.85E-11	8.32E-10	4.42E-11	8.51E-11	4.27E-12	1.34E-10	4.29E-11	7.32E-11	5.43E-12	1.22E-10	2.44E-11	4.04E-11	1.34E-12	6.61E-11
2120	740743.17	4107540.55	2.86E-10	5.22E-10	2.87E-11	8.37E-10	4.44E-11	8.56E-11	4.30E-12	1.34E-10	4.32E-11	7.36E-11	5.46E-12	1.22E-10	2.45E-11	4.06E-11	1.35E-12	6.65E-11
2121	740767.13	4107536.14	2.88E-10	5.25E-10	2.88E-11	8.42E-10	4.47E-11	8.61E-11	4.33E-12	1.35E-10	4.35E-11	7.41E-11	5.49E-12	1.23E-10	2.47E-11	4.09E-11	1.35E-12	6.69E-11
2122	740791.09	4107531.72	2.90E-10	5.29E-10	2.90E-11	8.48E-10	4.50E-11	8.67E-11	4.36E-12	1.36E-10	4.38E-11	7.46E-11	5.53E-12	1.24E-10	2.49E-11	4.12E-11	1.36E-12	6.74E-11
2123	740815.04	4107527.3	2.92E-10	5.33E-10	2.93E-11	8.55E-10	4.53E-11	8.74E-11	4.39E-12	1.37E-10	4.41E-11	7.52E-11	5.57E-12	1.25E-10	2.51E-11	4.15E-11	1.37E-12	6.79E-11
2124	740839	4107522.89	2.94E-10	5.37E-10	2.95E-11	8.60E-10	4.57E-11	8.80E-11	4.42E-12	1.38E-10	4.44E-11	7.57E-11	5.61E-12	1.26E-10	2.52E-11	4.17E-11	1.38E-12	6.84E-11
2125	740862.96	4107518.47	2.96E-10	5.40E-10	2.96E-11	8.65E-10	4.59E-11	8.85E-11	4.44E-12	1.39E-10	4.47E-11	7.61E-11	5.64E-12	1.26E-10	2.54E-11	4.20E-11	1.39E-12	6.88E-11
2126	740886.92	4107514.05	2.98E-10	5.43E-10	2.98E-11	8.70E-10	4.62E-11	8.90E-11	4.47E-12	1.40E-10	4.49E-11	7.65E-11	5.67E-12	1.27E-10	2.55E-11	4.22E-11	1.40E-12	6.91E-11
2127	740910.87	4107509.64	2.99E-10	5.45E-10	2.99E-11	8.74E-10	4.64E-11	8.93E-11	4.49E-12	1.40E-10	4.51E-11	7.69E-11	5.70E-12	1.28E-10	2.56E-11	4.24E-11	1.41E-12	6.94E-11
2128	740934.83	4107505.22	3.00E-10	5.47E-10	3.00E-11	8.77E-10	4.65E-11	8.96E-11	4.50E-12	1.41E-10	4.52E-11	7.71E-11	5.72E-12	1.28E-10	2.57E-11	4.25E-11	1.41E-12	6.97E-11
2129	740958.79	4107500.8	3.01E-10	5.48E-10	3.01E-11	8.79E-10	4.66E-11	8.99E-11	4.51E-12	1.41E-10	4.54E-11	7.73E-11	5.73E-12	1.28E-10	2.58E-11	4.26E-11	1.41E-12	6.98E-11
2130	740982.74	4107496.39	3.01E-10	5.49E-10	3.01E-11	8.80E-10	4.67E-11	8.99E-11	4.52E-12	1.41E-10	4.54E-11	7.74E-11	5.74E-12	1.29E-10	2.58E-11	4.27E-11	1.41E-12	6.99E-11
2131	741006.7	4107491.97	3.01E-10	5.49E-10	3.01E-11	8.80E-10	4.67E-11	9.00E-11	4.52E-12	1.41E-10	4.54E-11	7.74E-11	5.74E-12	1.29E-10	2.58E-11	4.27E-11	1.42E-12	6.99E-11
2132	741030.66	4107487.55	3.01E-10	5.49E-10	3.01E-11	8.80E-10	4.67E-11	8.99E-11	4.52E-12	1.41E-10	4.54E-11	7.74E-11	5.74E-12	1.29E-10	2.58E-11	4.27E-11	1.41E-12	6.99E-11
2133	741054.62	4107483.14	3.01E-10	5.48E-10	3.01E-11	8.79E-10	4.67E-11	8.99E-11	4.52E-12	1.41E-10	4.54E-11	7.74E-11	5.73E-12	1.28E-10	2.58E-11	4.27E-11	1.41E-12	6.99E-11
2134	741078.57	4107478.72	3.01E-10	5.48E-10	3.01E-11	8.78E-10	4.66E-11	8.98E-11	4.51E-12	1.41E-10	4.53E-11	7.73E-11	5.73E-12	1.28E-10	2.58E-11	4.26E-11	1.41E-12	6.98E-11
2135	741102.53	4107474.3	3.00E-10	5.47E-10	3.01E-11	8.78E-10	4.66E-11	8.97E-11	4.51E-12	1.41E-10	4.53E-11	7.72E-11	5.72E-12	1.28E-10	2.57E-11	4.26E-11	1.41E-12	6.97E-11
2136	741126.49	4107469.89	3.00E-10	5.47E-10	3.01E-11	8.78E-10	4.66E-11	8.97E-11	4.51E-12	1.41E-10	4.53E-11	7.72E-11	5.72E-12	1.28E-10	2.57E-11	4.26E-11	1.41E-12	6.97E-11
2137	741150.44	4107465.47	3.00E-10	5.48E-10	3.01E-11	8.78E-10	4.66E-11	8.98E-11	4.51E-12	1.41E-10	4.53E-11	7.72E-11	5.73E-12	1.28E-10	2.57E-11	4.26E-11	1.41E-12	6.98E-11
2138	741174.4	4107461.05	3.01E-10	5.48E-10	3.01E-11	8.79E-10	4.67E-11	8.99E-11	4.52E-12	1.41E-10	4.54E-11	7.74E-11	5.73E-12	1.28E-10	2.58E-11	4.27E-11	1.41E-12	6.99E-11
2139	741198.36	4107456.64	3.02E-10	5.50E-10	3.02E-11	8.82E-10	4.68E-11	9.02E-11	4.53E-12	1.41E-10	4.55E-11	7.76E-11	5.75E-12	1.29E-10	2.59E-11	4.28E-11	1.42E-12	7.01E-11
2140	741222.31	4107452.22	3.03E-10	5.52E-10	3.03E-11	8.86E-10	4.70E-11	9.05E-11	4.55E-12	1.42E-10	4.57E-11	7.79E-11	5.78E-12	1.29E-10	2.60E-11	4.30E-11	1.42E-12	7.04E-11
2141	741246.27	4107447.8	3.05E-10	5.55E-10	3.05E-11	8.91E-10	4.73E-11	9.11E-11	4.57E-12	1.43E-10	4.60E-11	7.84E-11	5.81E-12	1.30E-10	2.61E-11	4.32E-11	1.43E-12	7.08E-11
2142	741270.23	4107443.39	3.07E-10	5.59E-10	3.07E-11	8.97E-10	4.76E-11	9.17E-11	4.61E-12	1.44E-10	4.63E-11	7.89E-11	5.85E-12	1.31E-10	2.63E-11	4.35E-11	1.44E-12	7.13E-11
2143	741294.19	4107438.97	3.09E-10	5.64E-10	3.10E-11	9.04E-10	4.80E-11	9.24E-11	4.64E-12	1.45E-10	4.67E-11	7.95E-11	5.90E-12	1.32E-10	2.65E-11	4.39E-11	1.45E-12	7.18E-11
2144	741318.14	4107434.55	3.12E-10	5.69E-10	3.12E-11	9.13E-10	4.84E-11	9.33E-11	4.69E-12	1.46E-10	4.71E-11	8.03E-11	5.95E-12	1.33E-10	2.68E-11	4.43E-11	1.47E-12	7.25E-11
2145	741342.1	4107430.14	3.15E-10	5.75E-10	3.15E-11	9.21E-10	4.89E-11	9.42E-11	4.73E-12	1.48E-10	4.75E-11	8.10E-11	6.01E-12	1.35E-10	2.70E-11	4.47E-11	1.48E-12	7.32E-11
2146	741366.06	4107425.72	3.18E-10	5.80E-10	3.19E-11	9.31E-10	4.94E-11	9.51E-11	4.78E-12	1.49E-10	4.80E-11	8.19E-11	6.07E-12	1.36E-10	2.73E-11	4.52E-11	1.50E-12	7.39E-11
2147	741390.01	4107421.3	3.22E-10	5.86E-10	3.22E-11	9.40E-10	4.99E-11	9.61E-11	4.83E-12	1.51E-10	4.85E-11	8.27E-11	6.13E-12	1.37E-10	2.76E-11	4.56E-11	1.51E-12	7.47E-11
2148	741413.97	4107416.89	3.25E-10	5.92E-10	3.25E-11	9.50E-10	5.04E-11	9.71E-11	4.88E-12	1.52E-10	4.90E-11	8.35E-11	6.19E-12	1.39E-10	2.78E-11	4.61E-11	1.53E-12	7.54E-11
2149	741437.93	4107412.47	3.28E-10	5.98E-10	3.28E-11	9.58E-10	5.09E-11	9.80E-11	4.92E-12	1.54E-10	4.95E-11	8.43E-11	6.25E-12	1.40E-10	2.81E-11	4.65E-11	1.54E-12	7.61E-11
2150	741461.88	4107408.05	3.31E-10	6.03E-10	3.31E-11	9.66E-10	5.13E-11	9.88E-11	4.96E-12	1.55E-10	4.99E-11	8.50E-11	6.30E-12	1.41E-10	2.83E-11	4.69E-11	1.55E-12	7.68E-11
2151	741485.84	4107403.64	3.33E-10	6.07E-10	3.33E-11	9.74E-10	5.17E-11	9.96E-11	5.00E-12	1.56E-10	5.03E-11	8.57E-11	6.35E-12	1.42E-10	2.86E-11	4.73E-11	1.57E-12	7.74E-11
2152	741509.8	4107399.22	3.35E-10	6.11E-10	3.36E-11	9.80E-10	5.20E-11	1.00E-10	5.03E-12	1.57E-10	5.06E-11	8.62E-11	6.39E-12	1.43E-10	2.87E-11	4.76E-11	1.58E-12	7.79E-11
2153	741533.76	4107394.8	3.37E-10	6.14E-10	3.37E-11	9.85E-10	5.23E-11	1.01E-10	5.06E-12	1.58E-10	5.08E-11	8.67E-11	6.42E-12	1.44E-10	2.89E-11	4.78E-11	1.58E-12	7.83E-11
2154	741557.71	4107390.39	3.39E-10	6.17E-10	3.39E-11	9.89E-10	5.25E-11	1.01E-10	5.08E-12	1.59E-10	5.11E-11	8.70E-11	6.45E-12	1.45E-10	2.90E-11	4.80E-11	1.59E-12	7.86E-11
2155	741581.67	4107385.97	3.40E-10	6.19E-10	3.40E-11	9.92E-10	5.27E-11	1.01E-10	5.10E-12	1.59E-10	5.12E-11	8.73E-11	6.47E-12	1.45E-10	2.91E-11	4.82E-11	1.60E-12	7.88E-11
2156	741605.63	4107381.55	3.40E-10	6.20E-10	3.41E-11	9.94E-10	5.28E-11	1.02E-10	5.11E-12	1.60E-10	5.13E-11	8.75E-11	6.48E-12	1.45E-10	2.92E-11	4.83E-11	1.60E-12	7.90E-11
2157	741629.58	4107377.14	3.41E-10	6.21E-10	3.41E-11	9.96E-10	5.28E-11	1.02E-10	5.11E-12	1.60E-10	5.14E-11	8.76E-11	6.49E-12	1.45E-10	2.92E-11	4.83E-11	1.60E-12	7.91E-11
2158	741653.54	4107372.72	3.41E-10	6.22E-10	3.41E-11	9.97E-10	5.29E-11	1.02E-10	5.12E-12	1.60E-10	5.14E-11	8.77E-11	6.50E-12	1.46E-10	2.92E-11	4.84E-11	1.60E-12	7.92E-11
2159	741677.5	4107368.3	3.41E-10	6.22E-10	3.42E-11	9.98E-10	5.30E-11	1.02E-10	5.12E-12	1.60E-10	5.15E-11	8.78E-11	6.51E-12	1.46E-10	2.93E-11	4.84E-11	1.60E-12	7.93E-11
2160	741701.46	4107363.89	3.42E-10	6.23E-10	3.42E-11	9.99E-10	5.30E-11	1.02E-10	5.13E-12	1.60E-10	5.15E-11	8.79E-11	6.51E-12	1.46E-10	2.93E-11	4.85E-11	1.61E-12	7.93E-11
2161	741725.41	4107359.47	3.42E-10	6.24E-10	3.42E-11	1.00E-09	5.31E-11	1.02E-10	5.14E-12	1.60E-10	5.16E-11	8.80E-11	6.52E-12	1.46E-10	2.93E-11	4.85E-11	1.61E-12	7.94E-11
2162	741749.37	4107355.05	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.02E-10	5.14E-12	1.61E-10	5.17E-11	8.81E-11	6.53E-12	1.46E-10	2.94E-11	4.86E-11	1.61E-12	7.96E-11
2163	741773.33	4107350.64	3.44E-10	6.26E-10	3.44E-11	1.00E-09	5.33E-11	1.03E-10	5.16E-12	1.61E-10	5.18E-11	8.83E-11	6.55E-12	1.47E-10	2.94E-11	4.87E-11	1.61E-12	7.98E-11
2164	741797.28	4107346.22	3.45E-10	6.28E-10	3.45E-11	1.01E-09	5.35E-11	1.03E-10	5.17E-12	1.62E-10	5.20E-11	8.86E-11	6.57E-12	1.47E-10	2.95E-11	4.89E-11	1.62E-12	8.00E-11
2165	741821.24	4107341.8	3.46E-10	6.31E-10	3.46E-11	1.01E-09	5.37E-11	1.03E-10	5.20E-12	1.62E-10	5.22E-11	8.90E-11	6.60E-12	1.48E-10	2.97E-11	4.91E-11	1.63E-12	8.04E-11
2166	741845.2	4107337.39	3.48E-10	6.34E-10	3.48E-11	1.02E-09	5.40E-11	1.04E-10	5.22E-12	1.63E-10	5.25E-11	8.95E-11	6.63E-12	1.49E-10	2.98E-11	4.94E-11	1.64E-12	8.08E-11
2167	741869.15	4107332.97	3.50E-10	6.38E-10	3.50E-11	1.02E-09	5.43E-11	1.05E-10	5.25E-12	1.64E-10	5.28E-11	9.00E-11	6.67E-12	1.49E-10	3.00E-11	4.96E-11	1.65E-12	8.13E-11
2168	741893.11	4107328.55	3.52E-10	6.42E-10	3.53E-11	1.03E-09	5.46E-11	1.05E-10	5.29E-12	1.65E-10	5.31E-11	9.06E-11	6.72E-12	1.50E-10	3.02E-11	5.00E-11	1.66E-12	8.18E-11
2169	741917.07	4107324.14	3.55E-10	6.47E-10	3.55E-11	1.04E-09	5.50E-11	1.06E-10	5.33E-12	1.66E-10	5.35E-11	9.12E-11	6.76E-12	1.51E-10	3.04E-11	5.03E-11	1.67E-12	8.24E-11
2170	741941.03	4107319.72	3.57E-10	6.51E-10	3.57E-11	1.04E-09	5.54E-11	1.07E-10	5.36E-12	1.68E-10	5.39E-11	9.18E-11	6.81E-12	1.53E-10	3.06E-11	5.07E-11	1.68E-12	8.30E-11
2171	741964.98	4107315.3	3.60E-10	6.55E-10	3.60E-11	1.05E-09	5.58E-11	1.07E-10	5.40E-12	1.69E-10	5.42E-11	9.24E-11	6.85E-12	1.54E-10	3.08E-11	5.10E-11	1.69E-12	8.35E-11
2172	741988.94	4107310.89	3.62E-10	6.59E-10	3.62E-11	1.06E-09	5.61E-11	1.08E-10	5.43E-12	1.70E-10	5.46E-11	9.30E-11	6.90E-12	1.54E-10	3.10E-11	5.13E-11	1.70E-12	8.40E-11
2173	742012.9	4107306.47	3.64E-10	6.63E-10	3.64E-11	1.06E-09	5.64E-11	1.09E-10	5.46E-12	1.71E-10	5.49E-11	9.35E-11	6.93E-12	1.55E-10	3.12E-11	5.16E-11	1.71E-12	8.45E-11
2174	742036.85	4107302.05	3.65E-10	6.66E-10	3.66E-11	1.07E-09	5.67E-11	1.09E-10	5.49E-12	1.71E-10	5.51E-11	9.40E-11	6.96E-12	1.56E-10	3.13E-11	5.18E-11	1.72E-12	8.49E-11
2175	742060.81	4107297.64	3.67E-10	6.68E-10	3.67E-11	1.07E-09	5.69E-11	1.10E-10	5.50E-12	1.72E-10	5.53E-11	9.42E-11	6.99E-12	1.57E-10	3.14E-11	5.20E-11	1.72E-12	8.51E-11
2176	742084.77	4107293.22	3.67E-10	6.69E-10	3.67E-11	1.07E-09	5.69E-11	1.10E-10	5.51E-12	1.72E-10	5.54E-11	9.44E-11	7.00E-12	1.57E-10	3.15E-11	5.21E-11	1.73E-12	8.53E-11
2177	742108.72	4107288.8	3.67E-10	6.69E-10	3.68E-11	1.07E-09	5.70E-11	1.10E-10	5.51E-12	1.72E-10	5.54E-11	9.44E-11	7.00E-12	1.57E-10	3.15E-11	5.21E-11	1.73E-12	8.53E-11
2178	742132.68	4107284.39	3.67E-10	6.68E-10	3.67E-11	1.07E-09	5.69E-11	1.10E-10	5.50E-12	1.72E-10	5.53E-11	9.43E-11	6.99E-12	1.57E-10	3.14E-11	5.20E-11	1.72E-12	8.52E-11
2179	742156.64	4107279.97	3.66E-10	6.67E-10	3.66E-11	1.07E-09	5.67E-11	1.09E-10	5.49E-12	1.72E-10	5.52E-11	9.41E-11	6.97E-12	1.56E-10	3.14E-11	5.19E-11	1.72E-12	8.50E-11
2180	742180.6	4107275.55	3.64E-10	6.64E-10	3.65E-11	1.07E-09	5.65E-11	1.09E-10	5.47E-12	1.71E-10	5.50E-11	9.37E-11	6.95E-12	1.56E-10	3.12E-11	5.17E-11	1.71E-12	8.46E-11
2181	742204.55	4107271.14	3.63E-10	6.61E-10	3.63E-11	1.06E-09	5.63E-11	1.08E-10	5.44E-12	1.70E-10	5.47E-11	9.33E-11	6.91E-12	1.55E-10	3.11E-11	5.14E-11	1.70E-12	8.42E-11
2182	742228.51	4107266.72	3.61E-10	6.57E-10	3.61E-11	1.05E-09	5.59E-11	1.08E-10	5.41E-12	1.69E-10	5.44E-11	9.27E-11	6.87E-12	1.54E-10	3.09E-11	5.11E-11	1.69E-12	8.37E-11
2183	742252.47	4107262.3	3.58E-10	6.53E-10	3.59E-11	1.05E-09	5.56E-11	1.07E-10	5.38E-12	1.68E-10	5.41E-11	9.21E-11	6.83E-12	1.53E-10	3.07E-11	5.08E-11	1.68E-12	8.32E-11
2184	742276.42	4107257.89	3.56E-10	6.49E-10	3.56E-11	1.04E-09	5.52E-11	1.06E-10	5.34E-12	1.67E-10	5.37E-11	9.15E-11	6.78E-12	1.52E-10	3.05E-11	5.05E-11	1.67E-12	8.27E-11
2185	742300.38	4107253.47	3.54E-10	6.45E-10	3.54E-11	1.03E-09	5.49E-11	1.06E-10	5.31E-12	1.66E-10	5.34E-11	9.10E-11	6.74E-12	1.51E-10	3.03E-11	5.02E-11	1.66E-12	8.22E-11
2186	742324.34	4107249.05	3.52E-10	6.41E-10	3.52E-11	1.03E-09	5.46E-11	1.05E-10	5.28E-12	1.65E-10	5.31E-11	9.05E-11	6.71E-12	1.50E-10	3.02E-11	4.99E-11	1.65E-12	8.17E-11
2187	742348.3	4107244.64	3.50E-10	6.38E-10	3.51E-11	1.02E-09	5.43E-11	1.05E-10	5.26E-12	1.64E-10	5.28E-11	9.01E-11	6.68E-12	1.50E-10	3.00E-11	4.97E-11	1.65E-12	8.13E-11
2188	742372.25	4107240.22	3.49E-10	6.37E-10	3.50E-11	1.02E-09	5.42E-11	1.04E-10	5.24E-12	1.64E-10	5.27E-11	8.98E-11	6.66E-12	1.49E-10	2.99E-11	4.95E-11	1.64E-12	8.11E-11
2189	742396.21	4107235.8	3.49E-10	6.36E-10	3.49E-11	1.02E-09	5.41E-11	1.04E-10	5.24E-12	1.64E-10	5.26E-11	8.97E-11	6.65E-12	1.49E-10	2.99E-11	4.95E-11	1.64E-12	8.10E-11
2190	742420.17	4107231.39	3.49E-10	6.36E-10	3.49E-11	1.02E-09	5.42E-11	1.04E-10	5.24E-12	1.64E-10	5.27E-11	8.98E-11	6.65E-12	1.49E-10	2.99E-11	4.95E-11	1.64E-12	8.11E-11
2191	742444.12	4107226.97	3.50E-10	6.38E-10	3.50E-11	1.02E-09	5.43E-11	1.05E-10	5.26E-12	1.64E-10	5.28E-11	9.00E-11	6.67E-12	1.50E-10	3.00E-11	4.97E-11	1.65E-12	8.13E-11
2192	742468.08	4107222.55	3.52E-10	6.41E-10	3.52E-11	1.03E-09	5.46E-11	1.05E-10	5.28E-12	1.65E-10	5.31E-11	9.05E-11	6.71E-12	1.50E-10	3.02E-11	4.99E-11	1.65E-12	8.17E-11
2193	742492.04	4107218.14	3.55E-10	6.46E-10	3.55E-11	1.04E-09	5.50E-11	1.06E-10	5.32E-12	1.66E-10	5.35E-11	9.11E-11	6.76E-12	1.51E-10	3.04E-11	5.03E-11	1.67E-12	8.23E-11
2194	742515.99	4107213.72	3.58E-10	6.52E-10	3.58E-11	1.05E-09	5.55E-11	1.07E-10	5.37E-12	1.68E-10	5.39E-11	9.20E-11	6.82E-12	1.53E-10	3.07E-11	5.07E-11	1.68E-12	8.31E-11
2195	742539.95	4107209.3	3.62E-10	6.59E-10	3.62E-11	1.06E-09	5.61E-11	1.08E-10	5.43E-12	1.70E-10	5.45E-11	9.30E-11	6.89E-12	1.54E-10	3.10E-11	5.13E-11	1.70E-12	8.40E-11
2196	742563.91	4107204.89	3.66E-10	6.67E-10	3.66E-11	1.07E-09	5.68E-11	1.09E-10	5.50E-12	1.72E-10	5.52E-11	9.41E-11	6.98E-12	1.56E-10	3.14E-11	5.19E-11	1.72E-12	8.50E-11
2197	742587.87	4107200.47	3.71E-10	6.76E-10	3.71E-11	1.08E-09	5.76E-11	1.11E-10	5.57E-12	1.74E-10	5.60E-11	9.54E-11	7.07E-12	1.58E-10	3.18E-11	5.26E-11	1.74E-12	8.62E-11
2198	742611.82	4107196.05	3.77E-10	6.86E-10	3.77E-11	1.10E-09	5.84E-11	1.12E-10	5.65E-12	1.77E-10	5.68E-11	9.68E-11	7.18E-12	1.61E-10	3.23E-11	5.34E-11	1.77E-12	8.74E-11
2199	742655.95	4107205.29	3.92E-10	7.14E-10	3.92E-11	1.15E-09	6.08E-11	1.17E-10	5.88E-12	1.84E-10	5.91E-11	1.01E-10	7.47E-12	1.67E-10	3.36E-11	5.56E-11	1.84E-12	9.10E-11
2200	742676.13	4107218.95	4.02E-10	7.33E-10	4.02E-11	1.17E-09	6.23E-11	1.20E-10	6.03E-12	1.88E-10	6.06E-11	1.03E-10	7.66E-12	1.72E-10	3.44E-11	5.70E-11	1.89E-12	9.33E-11
2201	742696.3	4107232.6	4.12E-10	7.50E-10	4.12E-11	1.20E-09	6.39E-11	1.23E-10	6.18E-12	1.93E-10	6.21E-11	1.06E-10	7.85E-12	1.76E-10	3.53E-11	5.84E-11	1.94E-12	9.56E-11
2202	742716.48	4107246.26	4.21E-10	7.68E-10	4.22E-11	1.23E-09	6.53E-11	1.26E-10	6.32E-12	1.98E-10	6.35E-11	1.08E-10	8.03E-12	1.80E-10	3.61E-11	5.97E-11	1.98E-12	9.78E-11
2203	742736.65	4107259.91	4.31E-10	7.84E-10	4.31E-11	1.26E-09	6.68E-11	1.29E-10	6.46E-12	2.02E-10	6.49E-11	1.11E-10	8.20E-12	1.84E-10	3.69E-11	6.10E-11	2.02E-12	1.00E-10
2204	742756.83	4107273.56	4.39E-10	8.00E-10	4.39E-11	1.28E-09	6.81E-11	1.31E-10	6.59E-12	2.06E-10	6.62E-11	1.13E-10	8.37E-12	1.87E-10	3.76E-11	6.22E-11	2.06E-12	1.02E-10

2205	742777	4107287.22	4.47E-10	8.14E-10	4.47E-11	1.31E-09	6.93E-11	1.33E-10	6.70E-12	2.09E-10	6.73E-11	1.15E-10	8.51E-12	1.91E-10	3.83E-11	6.33E-11	2.10E-12	1.04E-10
2206	742797.17	4107300.87	4.53E-10	8.26E-10	4.54E-11	1.32E-09	7.03E-11	1.35E-10	6.80E-12	2.13E-10	6.84E-11	1.17E-10	8.64E-12	1.94E-10	3.88E-11	6.43E-11	2.13E-12	1.05E-10
2207	742817.35	4107314.53	4.59E-10	8.36E-10	4.59E-11	1.34E-09	7.12E-11	1.37E-10	6.89E-12	2.15E-10	6.92E-11	1.18E-10	8.75E-12	1.96E-10	3.93E-11	6.51E-11	2.16E-12	1.07E-10
2208	742837.52	4107328.18	4.63E-10	8.44E-10	4.64E-11	1.35E-09	7.19E-11	1.38E-10	6.96E-12	2.17E-10	6.99E-11	1.19E-10	8.83E-12	1.98E-10	3.97E-11	6.57E-11	2.18E-12	1.08E-10
2209	742857.7	4107341.84	4.67E-10	8.50E-10	4.67E-11	1.36E-09	7.24E-11	1.39E-10	7.00E-12	2.19E-10	7.04E-11	1.20E-10	8.89E-12	1.99E-10	4.00E-11	6.62E-11	2.19E-12	1.08E-10
2210	742877.87	4107355.49	4.68E-10	8.53E-10	4.69E-11	1.37E-09	7.26E-11	1.40E-10	7.03E-12	2.20E-10	7.06E-11	1.20E-10	8.92E-12	2.00E-10	4.01E-11	6.64E-11	2.20E-12	1.09E-10
2211	742898.05	4107369.15	4.69E-10	8.55E-10	4.69E-11	1.37E-09	7.27E-11	1.40E-10	7.04E-12	2.20E-10	7.07E-11	1.21E-10	8.94E-12	2.00E-10	4.02E-11	6.65E-11	2.20E-12	1.09E-10
2212	742918.22	4107382.8	4.69E-10	8.54E-10	4.69E-11	1.37E-09	7.27E-11	1.40E-10	7.03E-12	2.20E-10	7.07E-11	1.20E-10	8.93E-12	2.00E-10	4.02E-11	6.64E-11	2.20E-12	1.09E-10
2213	742938.39	4107396.45	4.67E-10	8.52E-10	4.68E-11	1.37E-09	7.25E-11	1.40E-10	7.01E-12	2.19E-10	7.05E-11	1.20E-10	8.91E-12	2.00E-10	4.00E-11	6.63E-11	2.20E-12	1.09E-10
2214	742958.57	4107410.11	4.65E-10	8.48E-10	4.66E-11	1.36E-09	7.22E-11	1.39E-10	6.99E-12	2.18E-10	7.02E-11	1.20E-10	8.87E-12	1.99E-10	3.99E-11	6.60E-11	2.19E-12	1.08E-10
2215	742978.74	4107423.76	4.63E-10	8.44E-10	4.63E-11	1.35E-09	7.18E-11	1.38E-10	6.95E-12	2.17E-10	6.98E-11	1.19E-10	8.83E-12	1.98E-10	3.97E-11	6.57E-11	2.18E-12	1.08E-10
2216	742998.92	4107437.42	4.61E-10	8.40E-10	4.61E-11	1.35E-09	7.15E-11	1.38E-10	6.92E-12	2.16E-10	6.95E-11	1.18E-10	8.78E-12	1.97E-10	3.95E-11	6.53E-11	2.17E-12	1.07E-10
2217	743019.09	4107451.07	4.59E-10	8.36E-10	4.59E-11	1.34E-09	7.11E-11	1.37E-10	6.88E-12	2.15E-10	6.92E-11	1.18E-10	8.74E-12	1.96E-10	3.93E-11	6.50E-11	2.16E-12	1.06E-10
2218	743039.27	4107464.73	4.57E-10	8.33E-10	4.57E-11	1.34E-09	7.09E-11	1.37E-10	6.86E-12	2.14E-10	6.89E-11	1.18E-10	8.71E-12	1.95E-10	3.92E-11	6.48E-11	2.15E-12	1.06E-10
2219	743059.44	4107478.38	4.57E-10	8.32E-10	4.57E-11	1.33E-09	7.08E-11	1.36E-10	6.85E-12	2.14E-10	6.88E-11	1.17E-10	8.70E-12	1.95E-10	3.91E-11	6.47E-11	2.15E-12	1.06E-10
2220	743079.61	4107492.04	4.57E-10	8.32E-10	4.57E-11	1.33E-09	7.08E-11	1.36E-10	6.85E-12	2.14E-10	6.89E-11	1.17E-10	8.70E-12	1.95E-10	3.91E-11	6.48E-11	2.15E-12	1.06E-10
2221	743099.79	4107505.69	4.58E-10	8.35E-10	4.58E-11	1.34E-09	7.10E-11	1.37E-10	6.88E-12	2.15E-10	6.91E-11	1.18E-10	8.73E-12	1.96E-10	3.93E-11	6.50E-11	2.15E-12	1.06E-10
2222	743119.96	4107519.34	4.61E-10	8.39E-10	4.61E-11	1.35E-09	7.14E-11	1.38E-10	6.91E-12	2.16E-10	6.95E-11	1.18E-10	8.78E-12	1.97E-10	3.95E-11	6.53E-11	2.17E-12	1.07E-10
2223	743140.14	4107533	4.64E-10	8.46E-10	4.65E-11	1.36E-09	7.20E-11	1.39E-10	6.97E-12	2.18E-10	7.00E-11	1.19E-10	8.85E-12	1.98E-10	3.98E-11	6.59E-11	2.18E-12	1.08E-10
2224	743160.31	4107546.65	4.69E-10	8.55E-10	4.69E-11	1.37E-09	7.28E-11	1.40E-10	7.04E-12	2.20E-10	7.08E-11	1.21E-10	8.94E-12	2.00E-10	4.02E-11	6.65E-11	2.20E-12	1.09E-10
2225	743180.49	4107560.31	4.75E-10	8.65E-10	4.75E-11	1.39E-09	7.37E-11	1.42E-10	7.13E-12	2.23E-10	7.16E-11	1.22E-10	9.05E-12	2.03E-10	4.07E-11	6.73E-11	2.23E-12	1.10E-10
2226	743200.66	4107573.96	4.81E-10	8.77E-10	4.82E-11	1.41E-09	7.47E-11	1.44E-10	7.23E-12	2.26E-10	7.26E-11	1.24E-10	9.17E-12	2.06E-10	4.13E-11	6.83E-11	2.26E-12	1.12E-10
2227	743220.83	4107587.62	4.88E-10	8.90E-10	4.89E-11	1.43E-09	7.58E-11	1.46E-10	7.33E-12	2.29E-10	7.37E-11	1.26E-10	9.31E-12	2.09E-10	4.19E-11	6.93E-11	2.30E-12	1.13E-10
2228	743241.01	4107601.27	4.96E-10	9.04E-10	4.96E-11	1.45E-09	7.69E-11	1.48E-10	7.44E-12	2.33E-10	7.48E-11	1.27E-10	9.45E-12	2.12E-10	4.25E-11	7.03E-11	2.33E-12	1.15E-10
2229	743261.18	4107614.93	5.04E-10	9.18E-10	5.04E-11	1.47E-09	7.81E-11	1.50E-10	7.56E-12	2.36E-10	7.60E-11	1.29E-10	9.60E-12	2.15E-10	4.32E-11	7.14E-11	2.37E-12	1.17E-10
2230	743281.36	4107628.58	5.12E-10	9.32E-10	5.12E-11	1.50E-09	7.93E-11	1.53E-10	7.68E-12	2.40E-10	7.72E-11	1.32E-10	9.75E-12	2.18E-10	4.38E-11	7.25E-11	2.40E-12	1.19E-10
2231	743301.53	4107642.23	5.20E-10	9.47E-10	5.20E-11	1.52E-09	8.06E-11	1.55E-10	7.80E-12	2.44E-10	7.84E-11	1.34E-10	9.91E-12	2.22E-10	4.46E-11	7.37E-11	2.44E-12	1.21E-10
2232	743321.71	4107655.89	5.28E-10	9.62E-10	5.28E-11	1.54E-09	8.19E-11	1.58E-10	7.93E-12	2.48E-10	7.96E-11	1.36E-10	1.01E-11	2.25E-10	4.53E-11	7.49E-11	2.48E-12	1.23E-10
2233	743341.88	4107669.54	5.37E-10	9.78E-10	5.37E-11	1.57E-09	8.32E-11	1.60E-10	8.05E-12	2.52E-10	8.09E-11	1.38E-10	1.02E-11	2.29E-10	4.60E-11	7.61E-11	2.52E-12	1.25E-10
2234	743362.05	4107683.2	5.46E-10	9.94E-10	5.46E-11	1.59E-09	8.46E-11	1.63E-10	8.19E-12	2.56E-10	8.23E-11	1.40E-10	1.04E-11	2.33E-10	4.67E-11	7.74E-11	2.56E-12	1.27E-10
2235	743382.23	4107696.85	5.55E-10	1.01E-09	5.55E-11	1.62E-09	8.61E-11	1.66E-10	8.33E-12	2.60E-10	8.37E-11	1.43E-10	1.06E-11	2.37E-10	4.76E-11	7.87E-11	2.61E-12	1.29E-10
2236	743402.4	4107710.51	5.65E-10	1.03E-09	5.65E-11	1.65E-09	8.76E-11	1.69E-10	8.48E-12	2.65E-10	8.52E-11	1.45E-10	1.08E-11	2.41E-10	4.84E-11	8.01E-11	2.66E-12	1.31E-10
2237	743422.58	4107724.16	5.75E-10	1.05E-09	5.76E-11	1.68E-09	8.92E-11	1.72E-10	8.64E-12	2.70E-10	8.68E-11	1.48E-10	1.10E-11	2.46E-10	4.93E-11	8.16E-11	2.70E-12	1.34E-10
2238	743442.75	4107737.82	5.87E-10	1.07E-09	5.87E-11	1.71E-09	9.10E-11	1.75E-10	8.80E-12	2.75E-10	8.85E-11	1.51E-10	1.12E-11	2.50E-10	5.03E-11	8.32E-11	2.76E-12	1.36E-10
2239	743462.93	4107751.47	5.98E-10	1.09E-09	5.99E-11	1.75E-09	9.28E-11	1.79E-10	8.98E-12	2.80E-10	9.02E-11	1.54E-10	1.14E-11	2.55E-10	5.13E-11	8.48E-11	2.81E-12	1.39E-10
2240	743483.1	4107765.13	6.10E-10	1.11E-09	6.11E-11	1.78E-09	9.47E-11	1.82E-10	9.16E-12	2.86E-10	9.21E-11	1.57E-10	1.16E-11	2.61E-10	5.23E-11	8.66E-11	2.87E-12	1.42E-10
2241	743503.27	4107778.78	6.23E-10	1.14E-09	6.24E-11	1.82E-09	9.67E-11	1.86E-10	9.36E-12	2.92E-10	9.40E-11	1.60E-10	1.19E-11	2.66E-10	5.34E-11	8.84E-11	2.93E-12	1.45E-10
2242	743523.45	4107792.43	6.37E-10	1.16E-09	6.37E-11	1.86E-09	9.87E-11	1.90E-10	9.56E-12	2.99E-10	9.60E-11	1.64E-10	1.21E-11	2.72E-10	5.46E-11	9.03E-11	2.99E-12	1.48E-10
2243	743543.62	4107806.09	6.50E-10	1.18E-09	6.51E-11	1.90E-09	1.01E-10	1.94E-10	9.76E-12	3.05E-10	9.80E-11	1.67E-10	1.24E-11	2.78E-10	5.57E-11	9.22E-11	3.06E-12	1.51E-10
2244	743563.8	4107819.74	6.64E-10	1.21E-09	6.64E-11	1.94E-09	1.03E-10	1.98E-10	9.96E-12	3.11E-10	1.00E-10	1.71E-10	1.26E-11	2.83E-10	5.69E-11	9.41E-11	3.12E-12	1.54E-10
2245	743583.97	4107833.4	6.77E-10	1.23E-09	6.78E-11	1.98E-09	1.05E-10	2.02E-10	1.02E-11	3.18E-10	1.02E-10	1.74E-10	1.29E-11	2.89E-10	5.81E-11	9.61E-11	3.18E-12	1.57E-10
2246	743604.15	4107847.05	6.91E-10	1.26E-09	6.92E-11	2.02E-09	1.07E-10	2.07E-10	1.04E-11	3.24E-10	1.04E-10	1.78E-10	1.32E-11	2.95E-10	5.92E-11	9.80E-11	3.25E-12	1.61E-10
2247	743624.32	4107860.71	7.05E-10	1.29E-09	7.06E-11	2.06E-09	1.09E-10	2.11E-10	1.06E-11	3.31E-10	1.06E-10	1.81E-10	1.34E-11	3.01E-10	6.04E-11	1.00E-10	3.31E-12	1.64E-10
2248	743644.49	4107874.36	7.19E-10	1.31E-09	7.20E-11	2.10E-09	1.12E-10	2.15E-10	1.08E-11	3.37E-10	1.08E-10	1.85E-10	1.37E-11	3.07E-10	6.16E-11	1.02E-10	3.38E-12	1.67E-10
2249	743664.67	4107888.02	7.34E-10	1.34E-09	7.34E-11	2.14E-09	1.14E-10	2.19E-10	1.10E-11	3.44E-10	1.11E-10	1.89E-10	1.40E-11	3.13E-10	6.29E-11	1.04E-10	3.45E-12	1.70E-10
2250	743684.84	4107901.67	7.48E-10	1.36E-09	7.49E-11	2.19E-09	1.16E-10	2.23E-10	1.12E-11	3.51E-10	1.13E-10	1.92E-10	1.43E-11	3.19E-10	6.41E-11	1.06E-10	3.52E-12	1.74E-10
2251	743705.02	4107915.32	7.62E-10	1.39E-09	7.63E-11	2.23E-09	1.18E-10	2.28E-10	1.14E-11	3.57E-10	1.15E-10	1.96E-10	1.45E-11	3.26E-10	6.53E-11	1.08E-10	3.58E-12	1.77E-10
2252	743725.19	4107928.98	7.77E-10	1.42E-09	7.77E-11	2.27E-09	1.20E-10	2.32E-10	1.17E-11	3.64E-10	1.17E-10	2.00E-10	1.48E-11	3.32E-10	6.66E-11	1.10E-10	3.65E-12	1.80E-10
2253	743745.37	4107942.63	7.92E-10	1.44E-09	7.92E-11	2.31E-09	1.23E-10	2.37E-10	1.19E-11	3.71E-10	1.19E-10	2.04E-10	1.51E-11	3.38E-10	6.78E-11	1.12E-10	3.72E-12	1.84E-10
2254	743765.54	4107956.29	8.06E-10	1.47E-09	8.06E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.91E-11	1.14E-10	3.79E-12	1.87E-10
2255	743785.71	4107969.94	8.20E-10	1.49E-09	8.20E-11	2.40E-09	1.27E-10	2.45E-10	1.23E-11	3.84E-10	1.24E-10	2.11E-10	1.56E-11	3.50E-10	7.02E-11	1.16E-10	3.85E-12	1.90E-10
2256	743805.89	4107983.6	8.34E-10	1.52E-09	8.34E-11	2.44E-09	1.29E-10	2.49E-10	1.25E-11	3.91E-10	1.26E-10	2.14E-10	1.59E-11	3.56E-10	7.14E-11	1.18E-10	3.92E-12	1.94E-10
2257	743826.06	4107997.25	8.46E-10	1.54E-09	8.47E-11	2.47E-09	1.31E-10	2.53E-10	1.27E-11	3.97E-10	1.28E-10	2.18E-10	1.61E-11	3.61E-10	7.25E-11	1.20E-10	3.98E-12	1.97E-10
2258	743846.24	4108010.91	8.58E-10	1.56E-09	8.59E-11	2.51E-09	1.33E-10	2.56E-10	1.29E-11	4.02E-10	1.29E-10	2.21E-10	1.64E-11	3.66E-10	7.35E-11	1.22E-10	4.03E-12	1.99E-10
2259	743866.41	4108024.56	8.69E-10	1.58E-09	8.69E-11	2.54E-09	1.35E-10	2.60E-10	1.30E-11	4.07E-10	1.31E-10	2.23E-10	1.66E-11	3.71E-10	7.45E-11	1.23E-10	4.08E-12	2.02E-10
2260	743886.59	4108038.21	8.78E-10	1.60E-09	8.79E-11	2.57E-09	1.36E-10	2.62E-10	1.32E-11	4.12E-10	1.32E-10	2.26E-10	1.67E-11	3.75E-10	7.53E-11	1.25E-10	4.13E-12	2.04E-10
2261	743906.76	4108051.87	8.86E-10	1.62E-09	8.87E-11	2.59E-09	1.37E-10	2.65E-10	1.33E-11	4.16E-10	1.34E-10	2.28E-10	1.69E-11	3.78E-10	7.60E-11	1.26E-10	4.17E-12	2.06E-10
2262	743926.93	4108065.52	8.93E-10	1.63E-09	8.93E-11	2.61E-09	1.38E-10	2.67E-10	1.34E-11	4.19E-10	1.35E-10	2.30E-10	1.70E-11	3.81E-10	7.65E-11	1.27E-10	4.20E-12	2.07E-10
2263	743947.11	4108079.18	8.98E-10	1.64E-09	8.98E-11	2.62E-09	1.39E-10	2.68E-10	1.35E-11	4.21E-10	1.35E-10	2.31E-10	1.71E-11	3.83E-10	7.69E-11	1.27E-10	4.22E-12	2.08E-10
2264	743967.28	4108092.83	9.01E-10	1.64E-09	9.02E-11	2.63E-09	1.40E-10	2.69E-10	1.35E-11	4.23E-10	1.36E-10	2.32E-10	1.72E-11	3.85E-10	7.72E-11	1.28E-10	4.24E-12	2.09E-10
2265	743987.46	4108106.49	9.04E-10	1.65E-09	9.05E-11	2.64E-09	1.40E-10	2.70E-10	1.36E-11	4.24E-10	1.36E-10	2.32E-10	1.72E-11	3.86E-10	7.75E-11	1.28E-10	4.25E-12	2.10E-10
2266	744007.63	4108120.14	9.06E-10	1.65E-09	9.07E-11	2.65E-09	1.41E-10	2.71E-10	1.36E-11	4.25E-10	1.37E-10	2.33E-10	1.73E-11	3.87E-10	7.76E-11	1.28E-10	4.26E-12	2.10E-10
2267	744027.81	4108133.8	9.08E-10	1.65E-09	9.09E-11	2.65E-09	1.41E-10	2.71E-10	1.36E-11	4.26E-10	1.37E-10	2.33E-10	1.73E-11	3.88E-10	7.78E-11	1.29E-10	4.27E-12	2.11E-10
2268	744047.98	4108147.45	9.11E-10	1.66E-09	9.11E-11	2.66E-09	1.41E-10	2.72E-10	1.37E-11	4.27E-10	1.37E-10	2.34E-10	1.74E-11	3.89E-10	7.80E-11	1.29E-10	4.28E-12	2.11E-10
2269	744068.15	4108161.1	9.14E-10	1.66E-09	9.14E-11	2.67E-09	1.42E-10	2.73E-10	1.37E-11	4.28E-10	1.38E-10	2.35E-10	1.74E-11	3.90E-10	7.83E-11	1.30E-10	4.29E-12	2.12E-10
2270	744088.33	4108174.76	9.17E-10	1.67E-09	9.18E-11	2.68E-09	1.42E-10	2.74E-10	1.38E-11	4.30E-10	1.38E-10	2.36E-10	1.75E-11	3.92E-10	7.86E-11	1.30E-10	4.31E-12	2.13E-10
2271	744108.5	4108188.41	9.22E-10	1.68E-09	9.23E-11	2.70E-09	1.43E-10	2.76E-10	1.38E-11	4.32E-10	1.39E-10	2.37E-10	1.76E-11	3.94E-10	7.90E-11	1.31E-10	4.33E-12	2.14E-10
2272	744128.68	4108202.07	9.29E-10	1.69E-09	9.29E-11	2.71E-09	1.44E-10	2.78E-10	1.39E-11	4.35E-10	1.40E-10	2.39E-10	1.77E-11	3.97E-10	7.96E-11	1.32E-10	4.37E-12	2.16E-10
2273	744148.85	4108215.72	9.36E-10	1.71E-09	9.37E-11	2.74E-09	1.45E-10	2.80E-10	1.41E-11	4.39E-10	1.41E-10	2.41E-10	1.78E-11	4.00E-10	8.02E-11	1.33E-10	4.40E-12	2.17E-10
2274	744169.03	4108229.38	9.45E-10	1.72E-09	9.45E-11	2.76E-09	1.47E-10	2.82E-10	1.42E-11	4.43E-10	1.42E-10	2.43E-10	1.80E-11	4.03E-10	8.10E-11	1.34E-10	4.44E-12	2.19E-10
2275	744189.2	4108243.03	9.54E-10	1.74E-09	9.55E-11	2.79E-09	1.48E-10	2.85E-10	1.43E-11	4.47E-10	1.44E-10	2.45E-10	1.82E-11	4.07E-10	8.18E-11	1.35E-10	4.48E-12	2.22E-10
2276	744209.37	4108256.69	9.64E-10	1.76E-09	9.64E-11	2.82E-09	1.49E-10	2.88E-10	1.45E-11	4.52E-10	1.45E-10	2.48E-10	1.84E-11	4.11E-10	8.26E-11	1.37E-10	4.53E-12	2.24E-10
2277	744229.55	4108270.34	9.73E-10	1.77E-09	9.74E-11	2.84E-09	1.51E-10	2.91E-10	1.46E-11	4.56E-10	1.47E-10	2.50E-10	1.85E-11	4.15E-10	8.34E-11	1.38E-10	4.57E-12	2.26E-10
2278	744249.72	4108283.99	9.82E-10	1.79E-09	9.83E-11	2.87E-09	1.52E-10	2.93E-10	1.47E-11	4.61E-10	1.48E-10	2.52E-10	1.87E-11	4.19E-10	8.42E-11	1.39E-10	4.62E-12	2.28E-10
2279	744269.9	4108297.65	9.90E-10	1.80E-09	9.91E-11	2.89E-09	1.54E-10	2.96E-10	1.49E-11	4.64E-10	1.49E-10	2.55E-10	1.89E-11	4.23E-10	8.49E-11	1.40E-10	4.65E-12	2.30E-10
2280	744290.07	4108311.3	9.97E-10	1.82E-09	9.98E-11	2.91E-09	1.55E-10	2.98E-10	1.50E-11	4.68E-10	1.50E-10	2.56E-10	1.90E-11	4.26E-10	8.55E-11	1.41E-10	4.69E-12	2.32E-10
2281	744310.25	4108324.96	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.70E-10	1.51E-10	2.58E-10	1.91E-11	4.28E-10	8.60E-11	1.42E-10	4.71E-12	2.33E-10
2282	740623.39	4107562.64	2.83E-10	5.16E-10	2.83E-11	8.27E-10	4.39E-11	8.46E-11	4.25E-12	1.33E-10	4.27E-11	7.28E-11	5.39E-12	1.21E-10	2.43E-11	4.01E-11	1.33E-12	6.57E-11
2283	740602.75	4107575.89	2.86E-10	5.21E-10	2.86E-11	8.35E-10	4.43E-11	8.53E-11	4.29E-12	1.34E-10	4.31E-11	7.34E-11	5.44E-12	1.22E-10	2.45E-11	4.05E-11	1.34E-12	6.63E-11
2284	740582.11	4107589.15	2.89E-10	5.27E-10	2.89E-11	8.44E-10	4.48E-11	8.63E-11	4.34E-12	1.35E-10	4.36E-11	7.43E-11	5.51E-12	1.23E-10	2.48E-11	4.10E-11	1.36E-12	6.71E-11
2285	740561.47	4107602.41	2.93E-10	5.34E-10	2.93E-11	8.56E-10	4.54E-11	8.75E-11	4.40E-12	1.37E-10	4.42E-11	7.53E-11	5.58E-12	1.25E-10	2.51E-11	4.15E-11	1.38E-12	6.80E-11
2286	740540.84	4107615.66	2.97E-10	5.42E-10	2.98E-11	8.69E-10	4.61E-11	8.89E-11	4.46E-12	1.39E-10	4.49E-11	7.65E-11	5.67E-12	1.27E-10	2.55E-11	4.22E-11	1.40E-12	6.91E-11
2287	740520.2	4107628.92	3.02E-10	5.51E-10	3.03E-11	8.84E-10	4.69E-11	9.03E-11	4.54E-12	1.42E-10	4.56E-11	7.77E-11	5.76E-12	1.29E-10	2.59E-11	4.29E-11	1.42E-12	7.02E-11
2288	740499.56	4107642.18	3.08E-10	5.61E-10	3.08E-11	8.99E-10	4.77E-11	9.19E-11	4.62E-12	1.44E-10	4.64E-11	7.91E-11	5.86E-12	1.31E-10	2.64E-11	4.36E-11	1.45E-12	7.14E-11
2289	740431.28	4107221.65	2.29E-10	4.17E-10	2.29E-11	6.69E-10	3.55E-11	6.84E-11	3.43E-12	1.07E-10	3.45E-11	5.88E-11	4.36E-12	9.77E-11	1.96E-11	3.24E-11	1.08E-12	5.31E-11
2290	740455.35	4107217.21	2.29E-10	4.17E-10	2.29E-11	6.68E-10	3.55E-11	6.83E-11	3.43E-12	1.07E-10	3.45E-11	5.88E-11	4.36E-12	9.76E-11	1.96E-11	3.24E-11	1.07E-12	5.31E-11
2291	740479.41	4107212.77	2.29E-10	4.17E-10	2.29E-11	6.69E-10	3.55E-11	6.84E-11	3.44E-12	1.07E-10	3.45E-11	5.89E-11	4.36E-12	9.78E-11	1.96E-11	3.25E-11	1.08E-12	5.32E-11
2292	740503.48	4107208.34	2.30E-10	4.19E-10	2.30E-11	6.71E-10	3.56E-11	6.86E-11	3.45E-12	1.08E-10	3.46E-11	5.91E-11	4.38E-12	9.81E-11	1.97E-11	3.26E-11	1.08E-12	5.33E-11
2293	740527.55	4107203.9	2.31E-10	4.21E-10	2.31E-11	6.75E-10	3.58E-11	6.90E-11	3.46E-12	1.08E-10	3.48E-11	5.93E-11	4.40E-12	9.86E-11	1.98E-11	3.27E-11	1.08E-12	5.36E-11
2294	740551.62	4107199.46	2.32E-10	4.23E-10	2.32E-11	6.79E-10	3.60E-11	6.94E-11	3.49E-12	1.09E-10	3.50E-11	5.97E-11	4.43E-12	9.92E-11	1.99E-11	3.29E-11	1.09E-12	5.39E-11
2295	740575.69	4107195.02	2.34E-10	4.26E-10	2.34E-11	6.84E-10	3.63E-11	6.99E-11	3.51E-12	1.10E-10	3.53E-11	6.02E-11	4.46E-12	9.99E-11	2.01E-11	3.32E-11	1.10E-12	5.43E-11
2296	740599.75	4107190.59	2.36E-10	4.30E-10	2.36E-11	6.89E-10	3.66E-11	7.05E-11	3.54E-12	1.11E-10	3.56E-11	6.06E-11	4.50E-12	1.01E-10	2.02E-11	3.34E-11	1.11E-12	5.48E-11
2297	740623.82	4107186.15	2.38E-10	4.34E-10	2.38E-11	6.95E-10	3.69E-11	7.11E-11	3.57E-12	1.12E-10	3.59E-11	6.12E-11	4.53E-12	1.02E-10	2.04E-11	3.37E-11	1.12E-12	5.52E-11
2298	740647.89	4107181.71	2.40E-10	4.37E-10	2.40E-11	7.01E-10	3.72E-11	7.16E-11	3.60E-12	1.12E-10	3.62E-11	6.16E-11	4.57E-12	1.02E-10	2.05E-11	3.40E-11	1.13E-12	5.57E-11
2299	740671.96	4107177.28	2.42E-10	4.41E-10	2.42E-11	7.07E-10	3.75E-11	7.22E-11	3.63E-12	1.13E-10	3.65E-11	6.22E-11	4.61E-12	1.03E-10	2.07E-11	3.43E-11	1.14E-12	5.61E-11
2300	740696.03	4107172.84	2.44E-10	4.44E-10	2.44E-11	7.12E-10	3.78E-11	7.28E-11	3.65E-12	1.14E-10	3.67E-11	6.26E-11	4.64E-12	1.04E-10	2.09E-11	3.45E-11	1.14E-12	5.65E-11

2301	740720.09	4107168.4	2.45E-10	4.46E-10	2.45E-11	7.16E-10	3.80E-11	7.32E-11	3.68E-12	1.15E-10	3.69E-11	6.30E-11	4.67E-12	1.05E-10	2.10E-11	3.47E-11	1.15E-12	5.69E-11
2302	740744.16	4107163.96	2.46E-10	4.49E-10	2.46E-11	7.20E-10	3.82E-11	7.36E-11	3.70E-12	1.15E-10	3.71E-11	6.33E-11	4.69E-12	1.05E-10	2.11E-11	3.49E-11	1.16E-12	5.72E-11
2303	740768.23	4107159.53	2.47E-10	4.51E-10	2.47E-11	7.23E-10	3.83E-11	7.39E-11	3.71E-12	1.16E-10	3.73E-11	6.36E-11	4.71E-12	1.06E-10	2.12E-11	3.51E-11	1.16E-12	5.74E-11
2304	740792.3	4107155.09	2.48E-10	4.52E-10	2.48E-11	7.25E-10	3.85E-11	7.41E-11	3.72E-12	1.16E-10	3.74E-11	6.37E-11	4.73E-12	1.06E-10	2.12E-11	3.52E-11	1.17E-12	5.76E-11
2305	740816.37	4107150.65	2.48E-10	4.52E-10	2.48E-11	7.25E-10	3.85E-11	7.42E-11	3.73E-12	1.16E-10	3.74E-11	6.38E-11	4.73E-12	1.06E-10	2.13E-11	3.52E-11	1.17E-12	5.76E-11
2306	740840.43	4107146.22	2.48E-10	4.52E-10	2.48E-11	7.25E-10	3.85E-11	7.42E-11	3.73E-12	1.16E-10	3.74E-11	6.38E-11	4.73E-12	1.06E-10	2.13E-11	3.52E-11	1.17E-12	5.76E-11
2307	740864.5	4107141.78	2.48E-10	4.52E-10	2.48E-11	7.25E-10	3.85E-11	7.41E-11	3.72E-12	1.16E-10	3.74E-11	6.37E-11	4.73E-12	1.06E-10	2.12E-11	3.52E-11	1.17E-12	5.76E-11
2308	740888.57	4107137.34	2.48E-10	4.51E-10	2.48E-11	7.23E-10	3.84E-11	7.40E-11	3.72E-12	1.16E-10	3.73E-11	6.36E-11	4.72E-12	1.06E-10	2.12E-11	3.51E-11	1.16E-12	5.75E-11
2309	740912.64	4107132.91	2.47E-10	4.50E-10	2.47E-11	7.22E-10	3.83E-11	7.38E-11	3.71E-12	1.16E-10	3.72E-11	6.35E-11	4.71E-12	1.05E-10	2.12E-11	3.50E-11	1.16E-12	5.73E-11
2310	740936.71	4107128.47	2.46E-10	4.49E-10	2.46E-11	7.20E-10	3.82E-11	7.36E-11	3.70E-12	1.15E-10	3.71E-11	6.33E-11	4.69E-12	1.05E-10	2.11E-11	3.49E-11	1.16E-12	5.72E-11
2311	740960.77	4107124.03	2.46E-10	4.47E-10	2.46E-11	7.17E-10	3.81E-11	7.34E-11	3.69E-12	1.15E-10	3.70E-11	6.31E-11	4.68E-12	1.05E-10	2.10E-11	3.48E-11	1.15E-12	5.70E-11
2312	740984.84	4107119.59	2.45E-10	4.46E-10	2.45E-11	7.16E-10	3.80E-11	7.32E-11	3.68E-12	1.15E-10	3.69E-11	6.30E-11	4.67E-12	1.05E-10	2.10E-11	3.47E-11	1.15E-12	5.69E-11
2313	741008.91	4107115.16	2.45E-10	4.46E-10	2.45E-11	7.15E-10	3.79E-11	7.31E-11	3.67E-12	1.15E-10	3.69E-11	6.29E-11	4.66E-12	1.04E-10	2.10E-11	3.47E-11	1.15E-12	5.68E-11
2314	741032.98	4107110.72	2.44E-10	4.45E-10	2.45E-11	7.14E-10	3.79E-11	7.30E-11	3.67E-12	1.15E-10	3.69E-11	6.28E-11	4.66E-12	1.04E-10	2.09E-11	3.46E-11	1.15E-12	5.67E-11
2315	741057.04	4107106.28	2.45E-10	4.46E-10	2.45E-11	7.15E-10	3.79E-11	7.31E-11	3.67E-12	1.15E-10	3.69E-11	6.29E-11	4.66E-12	1.04E-10	2.10E-11	3.47E-11	1.15E-12	5.68E-11
2316	741081.11	4107101.85	2.45E-10	4.46E-10	2.45E-11	7.16E-10	3.80E-11	7.32E-11	3.68E-12	1.15E-10	3.69E-11	6.30E-11	4.67E-12	1.05E-10	2.10E-11	3.47E-11	1.15E-12	5.69E-11
2317	741105.18	4107097.41	2.46E-10	4.48E-10	2.46E-11	7.18E-10	3.81E-11	7.34E-11	3.69E-12	1.15E-10	3.71E-11	6.32E-11	4.68E-12	1.05E-10	2.11E-11	3.49E-11	1.16E-12	5.71E-11
2318	741129.25	4107092.97	2.47E-10	4.50E-10	2.47E-11	7.22E-10	3.83E-11	7.38E-11	3.71E-12	1.16E-10	3.72E-11	6.35E-11	4.71E-12	1.05E-10	2.12E-11	3.50E-11	1.16E-12	5.73E-11
2319	741153.32	4107088.53	2.49E-10	4.53E-10	2.49E-11	7.26E-10	3.85E-11	7.43E-11	3.73E-12	1.17E-10	3.75E-11	6.39E-11	4.74E-12	1.06E-10	2.13E-11	3.52E-11	1.17E-12	5.77E-11
2320	741177.38	4107084.1	2.50E-10	4.56E-10	2.51E-11	7.32E-10	3.88E-11	7.48E-11	3.76E-12	1.17E-10	3.78E-11	6.44E-11	4.77E-12	1.07E-10	2.15E-11	3.55E-11	1.18E-12	5.81E-11
2321	741201.45	4107079.66	2.53E-10	4.60E-10	2.53E-11	7.38E-10	3.92E-11	7.55E-11	3.79E-12	1.18E-10	3.81E-11	6.49E-11	4.81E-12	1.08E-10	2.16E-11	3.58E-11	1.19E-12	5.86E-11
2322	741225.52	4107075.22	2.55E-10	4.65E-10	2.55E-11	7.46E-10	3.96E-11	7.62E-11	3.83E-12	1.20E-10	3.85E-11	6.56E-11	4.86E-12	1.09E-10	2.19E-11	3.62E-11	1.20E-12	5.92E-11
2323	741249.59	4107070.79	2.58E-10	4.70E-10	2.58E-11	7.53E-10	4.00E-11	7.70E-11	3.87E-12	1.21E-10	3.89E-11	6.63E-11	4.91E-12	1.10E-10	2.21E-11	3.65E-11	1.21E-12	5.98E-11
2324	741273.66	4107066.35	2.61E-10	4.75E-10	2.61E-11	7.62E-10	4.04E-11	7.79E-11	3.91E-12	1.22E-10	3.93E-11	6.70E-11	4.97E-12	1.11E-10	2.23E-11	3.70E-11	1.22E-12	6.05E-11
2325	741297.72	4107061.91	2.64E-10	4.80E-10	2.64E-11	7.70E-10	4.09E-11	7.87E-11	3.95E-12	1.24E-10	3.97E-11	6.77E-11	5.02E-12	1.12E-10	2.26E-11	3.74E-11	1.24E-12	6.12E-11
2326	741321.79	4107057.47	2.66E-10	4.85E-10	2.67E-11	7.78E-10	4.13E-11	7.96E-11	4.00E-12	1.25E-10	4.02E-11	6.85E-11	5.08E-12	1.14E-10	2.28E-11	3.78E-11	1.25E-12	6.18E-11
2327	741345.86	4107053.04	2.69E-10	4.90E-10	2.69E-11	7.86E-10	4.17E-11	8.04E-11	4.04E-12	1.26E-10	4.06E-11	6.92E-11	5.13E-12	1.15E-10	2.31E-11	3.82E-11	1.26E-12	6.25E-11
2328	741369.93	4107048.6	2.72E-10	4.95E-10	2.72E-11	7.94E-10	4.21E-11	8.12E-11	4.08E-12	1.27E-10	4.10E-11	6.98E-11	5.18E-12	1.16E-10	2.33E-11	3.85E-11	1.28E-12	6.31E-11
2329	741394	4107044.16	2.74E-10	4.99E-10	2.74E-11	8.01E-10	4.25E-11	8.19E-11	4.11E-12	1.28E-10	4.13E-11	7.04E-11	5.22E-12	1.17E-10	2.35E-11	3.89E-11	1.29E-12	6.36E-11
2330	741418.06	4107039.73	2.76E-10	5.03E-10	2.76E-11	8.07E-10	4.28E-11	8.25E-11	4.14E-12	1.29E-10	4.16E-11	7.10E-11	5.26E-12	1.18E-10	2.37E-11	3.92E-11	1.30E-12	6.41E-11
2331	741442.13	4107035.29	2.78E-10	5.06E-10	2.78E-11	8.12E-10	4.31E-11	8.30E-11	4.17E-12	1.30E-10	4.19E-11	7.14E-11	5.29E-12	1.19E-10	2.38E-11	3.94E-11	1.31E-12	6.45E-11
2332	741466.2	4107030.85	2.79E-10	5.09E-10	2.79E-11	8.16E-10	4.33E-11	8.34E-11	4.19E-12	1.31E-10	4.21E-11	7.18E-11	5.32E-12	1.19E-10	2.39E-11	3.96E-11	1.31E-12	6.48E-11
2333	741490.27	4107026.41	2.80E-10	5.10E-10	2.80E-11	8.18E-10	4.34E-11	8.37E-11	4.20E-12	1.31E-10	4.22E-11	7.20E-11	5.34E-12	1.20E-10	2.40E-11	3.97E-11	1.32E-12	6.50E-11
2334	741514.34	4107021.98	2.81E-10	5.12E-10	2.81E-11	8.20E-10	4.35E-11	8.39E-11	4.21E-12	1.32E-10	4.23E-11	7.22E-11	5.35E-12	1.20E-10	2.41E-11	3.98E-11	1.32E-12	6.52E-11
2335	741538.4	4107017.54	2.81E-10	5.12E-10	2.81E-11	8.22E-10	4.36E-11	8.40E-11	4.22E-12	1.32E-10	4.24E-11	7.23E-11	5.36E-12	1.20E-10	2.41E-11	3.99E-11	1.32E-12	6.53E-11
2336	741562.47	4107013.1	2.81E-10	5.12E-10	2.81E-11	8.22E-10	4.36E-11	8.40E-11	4.22E-12	1.32E-10	4.24E-11	7.23E-11	5.36E-12	1.20E-10	2.41E-11	3.99E-11	1.32E-12	6.53E-11
2337	741586.54	4107008.67	2.81E-10	5.12E-10	2.81E-11	8.22E-10	4.36E-11	8.40E-11	4.22E-12	1.32E-10	4.24E-11	7.23E-11	5.36E-12	1.20E-10	2.41E-11	3.99E-11	1.32E-12	6.53E-11
2338	741610.61	4107004.23	2.81E-10	5.12E-10	2.81E-11	8.21E-10	4.36E-11	8.39E-11	4.22E-12	1.32E-10	4.24E-11	7.22E-11	5.35E-12	1.20E-10	2.41E-11	3.98E-11	1.32E-12	6.52E-11
2339	741634.68	4106999.79	2.81E-10	5.12E-10	2.81E-11	8.20E-10	4.35E-11	8.39E-11	4.21E-12	1.32E-10	4.23E-11	7.22E-11	5.35E-12	1.20E-10	2.41E-11	3.98E-11	1.32E-12	6.52E-11
2340	741658.74	4106995.36	2.80E-10	5.11E-10	2.81E-11	8.20E-10	4.35E-11	8.38E-11	4.21E-12	1.31E-10	4.23E-11	7.21E-11	5.34E-12	1.20E-10	2.40E-11	3.98E-11	1.32E-12	6.51E-11
2341	741682.81	4106990.92	2.80E-10	5.11E-10	2.81E-11	8.19E-10	4.35E-11	8.37E-11	4.21E-12	1.31E-10	4.23E-11	7.21E-11	5.34E-12	1.20E-10	2.40E-11	3.97E-11	1.32E-12	6.51E-11
2342	741706.88	4106986.48	2.80E-10	5.11E-10	2.81E-11	8.19E-10	4.35E-11	8.37E-11	4.21E-12	1.31E-10	4.23E-11	7.21E-11	5.34E-12	1.20E-10	2.40E-11	3.97E-11	1.32E-12	6.51E-11
2343	741730.95	4106982.04	2.81E-10	5.11E-10	2.81E-11	8.20E-10	4.35E-11	8.38E-11	4.21E-12	1.32E-10	4.23E-11	7.21E-11	5.35E-12	1.20E-10	2.40E-11	3.98E-11	1.32E-12	6.52E-11
2344	741755.02	4106977.61	2.81E-10	5.12E-10	2.81E-11	8.22E-10	4.36E-11	8.40E-11	4.22E-12	1.32E-10	4.24E-11	7.23E-11	5.36E-12	1.20E-10	2.41E-11	3.99E-11	1.32E-12	6.53E-11
2345	741779.08	4106973.17	2.82E-10	5.14E-10	2.82E-11	8.24E-10	4.37E-11	8.43E-11	4.23E-12	1.32E-10	4.25E-11	7.25E-11	5.37E-12	1.20E-10	2.42E-11	4.00E-11	1.33E-12	6.55E-11
2346	741803.15	4106968.73	2.83E-10	5.16E-10	2.83E-11	8.27E-10	4.39E-11	8.46E-11	4.25E-12	1.33E-10	4.27E-11	7.28E-11	5.39E-12	1.21E-10	2.43E-11	4.01E-11	1.33E-12	6.57E-11
2347	741827.22	4106964.3	2.84E-10	5.18E-10	2.85E-11	8.31E-10	4.41E-11	8.50E-11	4.27E-12	1.33E-10	4.29E-11	7.31E-11	5.42E-12	1.21E-10	2.44E-11	4.03E-11	1.34E-12	6.60E-11
2348	741851.29	4106959.86	2.86E-10	5.21E-10	2.86E-11	8.36E-10	4.44E-11	8.55E-11	4.29E-12	1.34E-10	4.31E-11	7.35E-11	5.45E-12	1.22E-10	2.45E-11	4.06E-11	1.34E-12	6.64E-11
2349	741875.36	4106955.42	2.88E-10	5.24E-10	2.88E-11	8.41E-10	4.46E-11	8.60E-11	4.32E-12	1.35E-10	4.34E-11	7.40E-11	5.48E-12	1.23E-10	2.47E-11	4.08E-11	1.35E-12	6.68E-11
2350	741899.42	4106950.98	2.90E-10	5.28E-10	2.90E-11	8.47E-10	4.49E-11	8.66E-11	4.35E-12	1.36E-10	4.37E-11	7.45E-11	5.52E-12	1.24E-10	2.48E-11	4.11E-11	1.36E-12	6.73E-11
2351	741923.49	4106946.55	2.92E-10	5.32E-10	2.92E-11	8.53E-10	4.53E-11	8.72E-11	4.38E-12	1.37E-10	4.40E-11	7.51E-11	5.56E-12	1.25E-10	2.50E-11	4.14E-11	1.37E-12	6.78E-11
2352	741947.56	4106942.11	2.94E-10	5.36E-10	2.94E-11	8.59E-10	4.56E-11	8.78E-11	4.41E-12	1.38E-10	4.43E-11	7.56E-11	5.60E-12	1.26E-10	2.52E-11	4.17E-11	1.38E-12	6.83E-11
2353	741971.63	4106937.67	2.96E-10	5.39E-10	2.96E-11	8.65E-10	4.59E-11	8.84E-11	4.44E-12	1.39E-10	4.46E-11	7.61E-11	5.64E-12	1.26E-10	2.54E-11	4.20E-11	1.39E-12	6.87E-11
2354	741995.7	4106933.24	2.98E-10	5.43E-10	2.98E-11	8.71E-10	4.62E-11	8.90E-11	4.47E-12	1.40E-10	4.49E-11	7.66E-11	5.68E-12	1.27E-10	2.55E-11	4.23E-11	1.40E-12	6.92E-11
2355	742019.76	4106928.8	3.00E-10	5.46E-10	3.00E-11	8.76E-10	4.65E-11	8.95E-11	4.50E-12	1.40E-10	4.52E-11	7.70E-11	5.71E-12	1.28E-10	2.57E-11	4.25E-11	1.41E-12	6.96E-11
2356	742043.83	4106924.36	3.01E-10	5.49E-10	3.01E-11	8.80E-10	4.67E-11	8.99E-11	4.52E-12	1.41E-10	4.54E-11	7.74E-11	5.74E-12	1.29E-10	2.58E-11	4.27E-11	1.41E-12	6.99E-11
2357	742067.9	4106919.92	3.02E-10	5.50E-10	3.02E-11	8.83E-10	4.68E-11	9.02E-11	4.53E-12	1.42E-10	4.55E-11	7.76E-11	5.76E-12	1.29E-10	2.59E-11	4.28E-11	1.42E-12	7.01E-11
2358	742091.97	4106915.49	3.03E-10	5.51E-10	3.03E-11	8.84E-10	4.69E-11	9.04E-11	4.54E-12	1.42E-10	4.56E-11	7.78E-11	5.77E-12	1.29E-10	2.59E-11	4.29E-11	1.42E-12	7.03E-11
2359	742116.03	4106911.05	3.03E-10	5.52E-10	3.03E-11	8.85E-10	4.70E-11	9.05E-11	4.54E-12	1.42E-10	4.57E-11	7.78E-11	5.77E-12	1.29E-10	2.59E-11	4.29E-11	1.42E-12	7.03E-11
2360	742140.1	4106906.61	3.03E-10	5.51E-10	3.03E-11	8.84E-10	4.69E-11	9.04E-11	4.54E-12	1.42E-10	4.56E-11	7.78E-11	5.77E-12	1.29E-10	2.59E-11	4.29E-11	1.42E-12	7.03E-11
2361	742164.17	4106902.18	3.02E-10	5.50E-10	3.02E-11	8.82E-10	4.68E-11	9.02E-11	4.53E-12	1.42E-10	4.55E-11	7.76E-11	5.75E-12	1.29E-10	2.59E-11	4.28E-11	1.42E-12	7.01E-11
2362	742188.24	4106897.74	3.01E-10	5.48E-10	3.01E-11	8.79E-10	4.67E-11	8.99E-11	4.52E-12	1.41E-10	4.54E-11	7.74E-11	5.73E-12	1.28E-10	2.58E-11	4.27E-11	1.41E-12	6.99E-11
2363	742212.31	4106893.3	3.00E-10	5.46E-10	3.00E-11	8.76E-10	4.65E-11	8.95E-11	4.50E-12	1.40E-10	4.52E-11	7.70E-11	5.71E-12	1.28E-10	2.57E-11	4.25E-11	1.41E-12	6.96E-11
2364	742236.37	4106888.87	2.98E-10	5.43E-10	2.98E-11	8.70E-10	4.62E-11	8.90E-11	4.47E-12	1.40E-10	4.49E-11	7.66E-11	5.68E-12	1.27E-10	2.55E-11	4.22E-11	1.40E-12	6.92E-11
2365	742260.44	4106884.43	2.96E-10	5.39E-10	2.96E-11	8.65E-10	4.59E-11	8.84E-11	4.44E-12	1.39E-10	4.46E-11	7.61E-11	5.64E-12	1.26E-10	2.54E-11	4.20E-11	1.39E-12	6.87E-11
2366	742284.51	4106879.99	2.94E-10	5.36E-10	2.94E-11	8.60E-10	4.56E-11	8.79E-11	4.41E-12	1.38E-10	4.44E-11	7.56E-11	5.61E-12	1.26E-10	2.52E-11	4.17E-11	1.38E-12	6.83E-11
2367	742308.58	4106875.55	2.92E-10	5.32E-10	2.92E-11	8.54E-10	4.53E-11	8.73E-11	4.38E-12	1.37E-10	4.41E-11	7.51E-11	5.57E-12	1.25E-10	2.50E-11	4.14E-11	1.37E-12	6.78E-11
2368	742332.65	4106871.12	2.90E-10	5.29E-10	2.90E-11	8.48E-10	4.50E-11	8.67E-11	4.35E-12	1.36E-10	4.37E-11	7.46E-11	5.53E-12	1.24E-10	2.49E-11	4.11E-11	1.36E-12	6.74E-11
2369	742356.71	4106866.68	2.88E-10	5.26E-10	2.89E-11	8.43E-10	4.47E-11	8.62E-11	4.33E-12	1.35E-10	4.35E-11	7.41E-11	5.50E-12	1.23E-10	2.47E-11	4.09E-11	1.36E-12	6.70E-11
2370	742380.78	4106862.24	2.87E-10	5.23E-10	2.87E-11	8.38E-10	4.45E-11	8.57E-11	4.30E-12	1.34E-10	4.33E-11	7.37E-11	5.47E-12	1.22E-10	2.46E-11	4.07E-11	1.35E-12	6.66E-11
2371	742404.85	4106857.81	2.86E-10	5.20E-10	2.86E-11	8.34E-10	4.43E-11	8.53E-11	4.29E-12	1.34E-10	4.31E-11	7.34E-11	5.44E-12	1.22E-10	2.45E-11	4.05E-11	1.34E-12	6.63E-11
2372	742428.92	4106853.37	2.85E-10	5.19E-10	2.85E-11	8.32E-10	4.41E-11	8.50E-11	4.27E-12	1.33E-10	4.29E-11	7.32E-11	5.42E-12	1.22E-10	2.44E-11	4.04E-11	1.34E-12	6.61E-11
2373	742452.99	4106848.93	2.84E-10	5.18E-10	2.84E-11	8.30E-10	4.41E-11	8.49E-11	4.26E-12	1.33E-10	4.28E-11	7.30E-11	5.41E-12	1.21E-10	2.43E-11	4.03E-11	1.34E-12	6.60E-11
2374	742477.05	4106844.49	2.84E-10	5.18E-10	2.84E-11	8.30E-10	4.41E-11	8.49E-11	4.26E-12	1.33E-10	4.28E-11	7.30E-11	5.41E-12	1.21E-10	2.43E-11	4.03E-11	1.34E-12	6.60E-11
2375	742501.12	4106840.06	2.85E-10	5.19E-10	2.85E-11	8.32E-10	4.41E-11	8.50E-11	4.27E-12	1.33E-10	4.29E-11	7.32E-11	5.42E-12	1.22E-10	2.44E-11	4.04E-11	1.34E-12	6.61E-11
2376	742525.19	4106835.62	2.86E-10	5.21E-10	2.86E-11	8.35E-10	4.43E-11	8.54E-11	4.29E-12	1.34E-10	4.31E-11	7.35E-11	5.45E-12	1.22E-10	2.45E-11	4.05E-11	1.34E-12	6.64E-11
2377	742549.26	4106831.18	2.88E-10	5.24E-10	2.88E-11	8.40E-10	4.46E-11	8.59E-11	4.32E-12	1.35E-10	4.34E-11	7.39E-11	5.48E-12	1.23E-10	2.46E-11	4.08E-11	1.35E-12	6.68E-11
2378	742573.33	4106826.75	2.90E-10	5.28E-10	2.90E-11	8.47E-10	4.49E-11	8.66E-11	4.35E-12	1.36E-10	4.37E-11	7.45E-11	5.52E-12	1.24E-10	2.48E-11	4.11E-11	1.36E-12	6.73E-11
2379	742597.39	4106822.31	2.93E-10	5.33E-10	2.93E-11	8.55E-10	4.54E-11	8.74E-11	4.39E-12	1.37E-10	4.41E-11	7.52E-11	5.57E-12	1.25E-10	2.51E-11	4.15E-11	1.37E-12	6.79E-11
2380	742621.46	4106817.87	2.96E-10	5.39E-10	2.96E-11	8.64E-10	4.59E-11	8.83E-11	4.44E-12	1.39E-10	4.46E-11	7.60E-11	5.64E-12	1.26E-10	2.53E-11	4.19E-11	1.39E-12	6.87E-11
2381	742645.53	4106813.43	2.99E-10	5.46E-10	3.00E-11	8.75E-10	4.64E-11	8.95E-11	4.49E-12	1.40E-10	4.52E-11	7.70E-11	5.71E-12	1.28E-10	2.57E-11	4.25E-11	1.41E-12	6.95E-11
2382	742669.6	4106809	3.04E-10	5.53E-10	3.04E-11	8.87E-10	4.71E-11	9.07E-11	4.56E-12	1.42E-10	4.58E-11	7.81E-11	5.79E-12	1.30E-10	2.60E-11	4.31E-11	1.43E-12	7.05E-11
2383	742693.67	4106804.56	3.08E-10	5.61E-10	3.08E-11	9.00E-10	4.78E-11	9.20E-11	4.62E-12	1.44E-10	4.64E-11	7.92E-11	5.87E-12	1.31E-10	2.64E-11	4.37E-11	1.45E-12	7.15E-11
2384	742738	4106813.84	3.20E-10	5.83E-10	3.20E-11	9.35E-10	4.96E-11	9.56E-11	4.80E-12	1.50E-10	4.82E-11	8.22E-11	6.10E-12	1.37E-10	2.74E-11	4.54E-11	1.50E-12	7.43E-11
2385	742758.27	4106827.56	3.28E-10	5.97E-10	3.28E-11	9.57E-10	5.08E-11	9.78E-11	4.92E-12	1.54E-10	4.94E-11	8.42E-11	6.24E-12	1.40E-10	2.81E-11	4.64E-11	1.54E-12	7.60E-11
2386	742778.54	4106841.28	3.35E-10	6.11E-10	3.35E-11	9.80E-10	5.20E-11	1.00E-10	5.03E-12	1.57E-10	5.06E-11	8.62E-11	6.39E-12	1.43E-10	2.87E-11	4.75E-11	1.58E-12	7.78E-11
2387	742798.8	4106854.99	3.43E-10	6.25E-10	3.43E-11	1.00E-09	5.32E-11	1.02E-10	5.15E-12	1.61E-10	5.17E-11	8.81E-11	6.53E-12	1.46E-10	2.94E-11	4.86E-11	1.61E-12	7.96E-11
2388	742819.07	4106868.71	3.50E-10	6.38E-10	3.51E-11	1.02E-09	5.43E-11	1.05E-10	5.26E-12	1.64E-10	5.28E-11	9.01E-11	6.68E-12	1.50E-10	3.00E-11	4.97E-11	1.65E-12	8.13E-11
2389	742839.34	4106882.43	3.57E-10	6.51E-10	3.57E-11	1.04E-09	5.54E-11	1.07E-10	5.36E-12	1.68E-10	5.39E-11	9.18E-11	6.81E-12	1.53E-10	3.06E-11	5.07E-11	1.68E-12	8.30E-11
2390	742859.61	4106896.15	3.64E-10	6.63E-10	3.64E-11	1.06E-09	5.64E-11	1.09E-10	5.46E-12	1.71E-10	5.49E-11	9.35E-11	6.93E-12	1.55E-10	3.12E-11	5.16E-11	1.71E-12	8.45E-11
2391	742879.88	4106909.86	3.70E-10	6.74E-10	3.70E-11	1.08E-09	5.74E-11	1.11E-10	5.55E-12	1.73E-10	5.58E-11	9.51E-11	7.05E-12	1.58E-10	3.17E-11	5.25E-11	1.74E-12	8.59E-11
2392	742900.14	4106923.58	3.75E-10	6.84E-10	3.75E-11	1.10E-09	5.82E-11	1.12E-10	5.63E-12	1.76E-10	5.66E-11	9.64E-11	7.15E-12	1.60E-10	3.21E-11	5.32E-11	1.76E-12	8.71E-11
2393	742920.41	4106937.3	3.80E-10	6.92E-10	3.80E-11	1.11E-09	5.89E-11	1.13E-10	5.70E-12	1.78E-10	5.72E-11	9.76E-11	7.23E-12	1.62E-10	3.25E-11	5.38E-11	1.78E-12	8.81E-11
2394	742940.68	4106951.02	3.83E-10	6.98E-10	3.83E-11	1.12E-09	5.94E-11	1.14E-10	5.75E-12	1.80E-10	5.78E-11	9.85E-11	7.30E-12	1.64E-10	3.28E-11	5.43E-11	1.80E-12	8.90E-11
2395	742960.95	4106964.74	3.86E-10	7.03E-10	3.86E-11	1.13E-09	5.98E-11	1.15E-10	5.79E-12	1.81E-10	5.82E-11	9.92E-11	7.35E-12	1.65E-10	3.31E-11	5.47E-11	1.81E-12	8.96E-11
2396	742981.21	4106978.45	3.88E-10	7.06E-10	3.88E-11	1.13E-09	6.01E-11	1.16E-10	5.82E-12	1.82E-10	5.85E-11	9.96E-11	7.39E-12	1.65E-10	3.32E-11	5.50E-11	1.82E-12	9.00E-11

2397	743001.48	4106992.17	3.88E-10	7.08E-10	3.89E-11	1.13E-09	6.02E-11	1.16E-10	5.83E-12	1.82E-10	5.86E-11	9.98E-11	7.40E-12	1.66E-10	3.33E-11	5.51E-11	1.83E-12	9.02E-11
2398	743021.75	4107005.89	3.88E-10	7.07E-10	3.88E-11	1.13E-09	6.02E-11	1.16E-10	5.82E-12	1.82E-10	5.85E-11	9.98E-11	7.39E-12	1.66E-10	3.33E-11	5.50E-11	1.82E-12	9.01E-11
2399	743042.02	4107019.61	3.87E-10	7.05E-10	3.87E-11	1.13E-09	6.00E-11	1.16E-10	5.81E-12	1.81E-10	5.84E-11	9.95E-11	7.38E-12	1.65E-10	3.32E-11	5.49E-11	1.82E-12	8.99E-11
2400	743062.28	4107033.32	3.85E-10	7.02E-10	3.86E-11	1.13E-09	5.98E-11	1.15E-10	5.79E-12	1.81E-10	5.81E-11	9.91E-11	7.35E-12	1.65E-10	3.30E-11	5.47E-11	1.81E-12	8.95E-11
2401	743082.55	4107047.04	3.83E-10	6.98E-10	3.84E-11	1.12E-09	5.94E-11	1.15E-10	5.75E-12	1.80E-10	5.78E-11	9.85E-11	7.30E-12	1.64E-10	3.28E-11	5.44E-11	1.80E-12	8.90E-11
2402	743102.82	4107060.76	3.81E-10	6.94E-10	3.81E-11	1.11E-09	5.91E-11	1.14E-10	5.72E-12	1.79E-10	5.74E-11	9.79E-11	7.26E-12	1.63E-10	3.26E-11	5.40E-11	1.79E-12	8.84E-11
2403	743123.09	4107074.48	3.78E-10	6.89E-10	3.79E-11	1.11E-09	5.87E-11	1.13E-10	5.68E-12	1.77E-10	5.70E-11	9.72E-11	7.21E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.78E-11
2404	743143.36	4107088.19	3.76E-10	6.85E-10	3.76E-11	1.10E-09	5.83E-11	1.12E-10	5.64E-12	1.76E-10	5.67E-11	9.67E-11	7.16E-12	1.61E-10	3.22E-11	5.33E-11	1.77E-12	8.73E-11
2405	743163.62	4107101.91	3.74E-10	6.81E-10	3.74E-11	1.09E-09	5.80E-11	1.12E-10	5.61E-12	1.75E-10	5.64E-11	9.61E-11	7.13E-12	1.60E-10	3.20E-11	5.30E-11	1.76E-12	8.68E-11
2406	743183.89	4107115.63	3.73E-10	6.79E-10	3.73E-11	1.09E-09	5.78E-11	1.11E-10	5.59E-12	1.75E-10	5.62E-11	9.58E-11	7.10E-12	1.59E-10	3.19E-11	5.28E-11	1.75E-12	8.65E-11
2407	743204.16	4107129.35	3.72E-10	6.78E-10	3.72E-11	1.09E-09	5.77E-11	1.11E-10	5.58E-12	1.74E-10	5.61E-11	9.56E-11	7.09E-12	1.59E-10	3.19E-11	5.27E-11	1.75E-12	8.63E-11
2408	743224.43	4107143.07	3.72E-10	6.78E-10	3.72E-11	1.09E-09	5.77E-11	1.11E-10	5.58E-12	1.74E-10	5.61E-11	9.56E-11	7.09E-12	1.59E-10	3.19E-11	5.27E-11	1.75E-12	8.64E-11
2409	743244.69	4107156.78	3.73E-10	6.80E-10	3.73E-11	1.09E-09	5.79E-11	1.11E-10	5.60E-12	1.75E-10	5.63E-11	9.59E-11	7.11E-12	1.59E-10	3.20E-11	5.29E-11	1.75E-12	8.66E-11
2410	743264.96	4107170.5	3.75E-10	6.84E-10	3.75E-11	1.10E-09	5.82E-11	1.12E-10	5.63E-12	1.76E-10	5.66E-11	9.64E-11	7.15E-12	1.60E-10	3.21E-11	5.32E-11	1.76E-12	8.71E-11
2411	743285.23	4107184.22	3.78E-10	6.89E-10	3.78E-11	1.11E-09	5.86E-11	1.13E-10	5.68E-12	1.77E-10	5.70E-11	9.72E-11	7.21E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.78E-11
2412	743305.5	4107197.94	3.82E-10	6.96E-10	3.82E-11	1.12E-09	5.92E-11	1.14E-10	5.73E-12	1.79E-10	5.76E-11	9.82E-11	7.28E-12	1.63E-10	3.27E-11	5.42E-11	1.80E-12	8.87E-11
2413	743325.76	4107211.65	3.87E-10	7.05E-10	3.87E-11	1.13E-09	6.00E-11	1.16E-10	5.81E-12	1.81E-10	5.83E-11	9.94E-11	7.37E-12	1.65E-10	3.31E-11	5.48E-11	1.82E-12	8.98E-11
2414	743346.03	4107225.37	3.92E-10	7.14E-10	3.92E-11	1.15E-09	6.08E-11	1.17E-10	5.88E-12	1.84E-10	5.91E-11	1.01E-10	7.47E-12	1.67E-10	3.36E-11	5.56E-11	1.84E-12	9.10E-11
2415	743366.3	4107239.09	3.98E-10	7.25E-10	3.98E-11	1.16E-09	6.17E-11	1.19E-10	5.97E-12	1.87E-10	6.00E-11	1.02E-10	7.58E-12	1.70E-10	3.41E-11	5.64E-11	1.87E-12	9.24E-11
2416	743386.57	4107252.81	4.04E-10	7.36E-10	4.04E-11	1.18E-09	6.27E-11	1.21E-10	6.06E-12	1.89E-10	6.09E-11	1.04E-10	7.70E-12	1.72E-10	3.46E-11	5.73E-11	1.90E-12	9.38E-11
2417	743406.84	4107266.52	4.10E-10	7.48E-10	4.11E-11	1.20E-09	6.36E-11	1.23E-10	6.16E-12	1.92E-10	6.19E-11	1.05E-10	7.82E-12	1.75E-10	3.52E-11	5.82E-11	1.93E-12	9.53E-11
2418	743427.1	4107280.24	4.17E-10	7.59E-10	4.17E-11	1.22E-09	6.46E-11	1.24E-10	6.25E-12	1.95E-10	6.28E-11	1.07E-10	7.94E-12	1.78E-10	3.57E-11	5.91E-11	1.96E-12	9.67E-11
2419	743447.37	4107293.96	4.23E-10	7.71E-10	4.23E-11	1.24E-09	6.56E-11	1.26E-10	6.35E-12	1.98E-10	6.38E-11	1.09E-10	8.06E-12	1.81E-10	3.62E-11	6.00E-11	1.99E-12	9.82E-11
2420	743467.64	4107307.68	4.29E-10	7.82E-10	4.29E-11	1.25E-09	6.65E-11	1.28E-10	6.44E-12	2.01E-10	6.47E-11	1.10E-10	8.17E-12	1.83E-10	3.68E-11	6.08E-11	2.02E-12	9.96E-11
2421	743487.91	4107321.4	4.35E-10	7.93E-10	4.35E-11	1.27E-09	6.75E-11	1.30E-10	6.53E-12	2.04E-10	6.56E-11	1.12E-10	8.29E-12	1.86E-10	3.73E-11	6.17E-11	2.04E-12	1.01E-10
2422	743508.17	4107335.11	4.41E-10	8.03E-10	4.41E-11	1.29E-09	6.84E-11	1.32E-10	6.62E-12	2.07E-10	6.65E-11	1.13E-10	8.40E-12	1.88E-10	3.78E-11	6.25E-11	2.07E-12	1.02E-10
2423	743528.44	4107348.83	4.47E-10	8.14E-10	4.47E-11	1.31E-09	6.93E-11	1.34E-10	6.71E-12	2.10E-10	6.74E-11	1.15E-10	8.52E-12	1.91E-10	3.83E-11	6.34E-11	2.10E-12	1.04E-10
2424	743548.71	4107362.55	4.53E-10	8.26E-10	4.54E-11	1.32E-09	7.03E-11	1.35E-10	6.80E-12	2.13E-10	6.84E-11	1.17E-10	8.64E-12	1.94E-10	3.88E-11	6.43E-11	2.13E-12	1.05E-10
2425	743568.98	4107376.27	4.60E-10	8.38E-10	4.60E-11	1.34E-09	7.13E-11	1.37E-10	6.90E-12	2.16E-10	6.94E-11	1.18E-10	8.77E-12	1.96E-10	3.94E-11	6.52E-11	2.16E-12	1.07E-10
2426	743589.24	4107389.98	4.67E-10	8.51E-10	4.67E-11	1.36E-09	7.24E-11	1.39E-10	7.01E-12	2.19E-10	7.04E-11	1.20E-10	8.90E-12	1.99E-10	4.00E-11	6.62E-11	2.19E-12	1.08E-10
2427	743609.51	4107403.7	4.74E-10	8.64E-10	4.75E-11	1.39E-09	7.35E-11	1.42E-10	7.12E-12	2.22E-10	7.15E-11	1.22E-10	9.04E-12	2.02E-10	4.06E-11	6.72E-11	2.23E-12	1.10E-10
2428	743629.78	4107417.42	4.82E-10	8.79E-10	4.82E-11	1.41E-09	7.48E-11	1.44E-10	7.24E-12	2.26E-10	7.27E-11	1.24E-10	9.19E-12	2.06E-10	4.13E-11	6.84E-11	2.27E-12	1.12E-10
2429	743650.05	4107431.14	4.91E-10	8.94E-10	4.91E-11	1.43E-09	7.61E-11	1.47E-10	7.36E-12	2.30E-10	7.40E-11	1.26E-10	9.35E-12	2.09E-10	4.20E-11	6.96E-11	2.31E-12	1.14E-10
2430	743670.32	4107444.85	4.99E-10	9.10E-10	5.00E-11	1.46E-09	7.74E-11	1.49E-10	7.50E-12	2.34E-10	7.53E-11	1.28E-10	9.52E-12	2.13E-10	4.28E-11	7.08E-11	2.35E-12	1.16E-10
2431	743690.58	4107458.57	5.08E-10	9.27E-10	5.09E-11	1.49E-09	7.89E-11	1.52E-10	7.63E-12	2.38E-10	7.67E-11	1.31E-10	9.69E-12	2.17E-10	4.36E-11	7.21E-11	2.39E-12	1.18E-10
2432	743710.85	4107472.29	5.18E-10	9.44E-10	5.18E-11	1.51E-09	8.03E-11	1.55E-10	7.77E-12	2.43E-10	7.81E-11	1.33E-10	9.87E-12	2.21E-10	4.44E-11	7.34E-11	2.43E-12	1.20E-10
2433	743731.12	4107486.01	5.27E-10	9.61E-10	5.28E-11	1.54E-09	8.18E-11	1.58E-10	7.91E-12	2.47E-10	7.95E-11	1.36E-10	1.00E-11	2.25E-10	4.52E-11	7.48E-11	2.48E-12	1.22E-10
2434	743751.39	4107499.72	5.37E-10	9.78E-10	5.37E-11	1.57E-09	8.33E-11	1.60E-10	8.06E-12	2.52E-10	8.10E-11	1.38E-10	1.02E-11	2.29E-10	4.60E-11	7.61E-11	2.52E-12	1.25E-10
2435	743771.65	4107513.44	5.47E-10	9.96E-10	5.47E-11	1.60E-09	8.48E-11	1.63E-10	8.20E-12	2.56E-10	8.24E-11	1.41E-10	1.04E-11	2.33E-10	4.68E-11	7.75E-11	2.57E-12	1.27E-10
2436	743791.92	4107527.16	5.56E-10	1.01E-09	5.57E-11	1.63E-09	8.63E-11	1.66E-10	8.35E-12	2.61E-10	8.39E-11	1.43E-10	1.06E-11	2.37E-10	4.77E-11	7.89E-11	2.61E-12	1.29E-10
2437	743812.19	4107540.88	5.66E-10	1.03E-09	5.66E-11	1.65E-09	8.78E-11	1.69E-10	8.49E-12	2.65E-10	8.53E-11	1.45E-10	1.08E-11	2.42E-10	4.85E-11	8.02E-11	2.66E-12	1.31E-10
2438	743832.46	4107554.6	5.75E-10	1.05E-09	5.76E-11	1.68E-09	8.92E-11	1.72E-10	8.64E-12	2.70E-10	8.68E-11	1.48E-10	1.10E-11	2.46E-10	4.93E-11	8.16E-11	2.70E-12	1.34E-10
2439	743852.72	4107568.31	5.85E-10	1.07E-09	5.85E-11	1.71E-09	9.07E-11	1.75E-10	8.78E-12	2.74E-10	8.82E-11	1.50E-10	1.11E-11	2.50E-10	5.01E-11	8.30E-11	2.75E-12	1.36E-10
2440	743872.99	4107582.03	5.95E-10	1.08E-09	5.95E-11	1.74E-09	9.23E-11	1.78E-10	8.93E-12	2.79E-10	8.97E-11	1.53E-10	1.13E-11	2.54E-10	5.10E-11	8.44E-11	2.80E-12	1.38E-10
2441	743893.26	4107595.75	6.05E-10	1.10E-09	6.05E-11	1.77E-09	9.38E-11	1.81E-10	9.08E-12	2.83E-10	9.12E-11	1.55E-10	1.15E-11	2.58E-10	5.18E-11	8.57E-11	2.84E-12	1.40E-10
2442	743913.53	4107609.47	6.15E-10	1.12E-09	6.15E-11	1.80E-09	9.53E-11	1.84E-10	9.22E-12	2.88E-10	9.27E-11	1.58E-10	1.17E-11	2.62E-10	5.27E-11	8.71E-11	2.89E-12	1.43E-10
2443	743933.79	4107623.18	6.25E-10	1.14E-09	6.25E-11	1.83E-09	9.69E-11	1.87E-10	9.37E-12	2.93E-10	9.42E-11	1.61E-10	1.19E-11	2.67E-10	5.35E-11	8.86E-11	2.94E-12	1.45E-10
2444	743954.06	4107636.9	6.35E-10	1.16E-09	6.35E-11	1.85E-09	9.84E-11	1.90E-10	9.53E-12	2.98E-10	9.57E-11	1.63E-10	1.21E-11	2.71E-10	5.44E-11	9.00E-11	2.98E-12	1.47E-10
2445	743974.33	4107650.62	6.45E-10	1.18E-09	6.45E-11	1.88E-09	1.00E-10	1.93E-10	9.68E-12	3.02E-10	9.73E-11	1.66E-10	1.23E-11	2.75E-10	5.53E-11	9.14E-11	3.03E-12	1.50E-10
2446	743994.6	4107664.34	6.55E-10	1.19E-09	6.56E-11	1.92E-09	1.02E-10	1.96E-10	9.84E-12	3.07E-10	9.88E-11	1.69E-10	1.25E-11	2.80E-10	5.62E-11	9.29E-11	3.08E-12	1.52E-10
2447	744014.87	4107678.05	6.66E-10	1.21E-09	6.66E-11	1.95E-09	1.03E-10	1.99E-10	1.00E-11	3.12E-10	1.00E-10	1.71E-10	1.27E-11	2.84E-10	5.71E-11	9.44E-11	3.13E-12	1.55E-10
2448	744035.13	4107691.77	6.76E-10	1.23E-09	6.77E-11	1.98E-09	1.05E-10	2.02E-10	1.02E-11	3.17E-10	1.02E-10	1.74E-10	1.29E-11	2.89E-10	5.80E-11	9.59E-11	3.18E-12	1.57E-10
2449	744055.4	4107705.49	6.86E-10	1.25E-09	6.87E-11	2.01E-09	1.06E-10	2.05E-10	1.03E-11	3.22E-10	1.04E-10	1.76E-10	1.31E-11	2.93E-10	5.88E-11	9.73E-11	3.23E-12	1.59E-10
2450	744075.67	4107719.21	6.96E-10	1.27E-09	6.97E-11	2.03E-09	1.08E-10	2.08E-10	1.04E-11	3.26E-10	1.05E-10	1.79E-10	1.33E-11	2.97E-10	5.97E-11	9.87E-11	3.27E-12	1.62E-10
2451	744095.94	4107732.93	7.05E-10	1.28E-09	7.05E-11	2.06E-09	1.09E-10	2.11E-10	1.06E-11	3.31E-10	1.06E-10	1.81E-10	1.34E-11	3.01E-10	6.04E-11	1.00E-10	3.31E-12	1.64E-10
2452	744116.2	4107746.64	7.14E-10	1.30E-09	7.14E-11	2.09E-09	1.11E-10	2.13E-10	1.07E-11	3.35E-10	1.08E-10	1.83E-10	1.36E-11	3.05E-10	6.11E-11	1.01E-10	3.35E-12	1.66E-10
2453	744136.47	4107760.36	7.21E-10	1.31E-09	7.21E-11	2.11E-09	1.12E-10	2.15E-10	1.08E-11	3.38E-10	1.09E-10	1.85E-10	1.37E-11	3.08E-10	6.18E-11	1.02E-10	3.39E-12	1.67E-10
2454	744156.74	4107774.08	7.27E-10	1.32E-09	7.27E-11	2.12E-09	1.13E-10	2.17E-10	1.09E-11	3.41E-10	1.10E-10	1.87E-10	1.39E-11	3.10E-10	6.23E-11	1.03E-10	3.42E-12	1.69E-10
2455	744177.01	4107787.8	7.32E-10	1.33E-09	7.32E-11	2.14E-09	1.13E-10	2.19E-10	1.10E-11	3.43E-10	1.10E-10	1.88E-10	1.39E-11	3.12E-10	6.27E-11	1.04E-10	3.44E-12	1.70E-10
2456	744197.27	4107801.51	7.36E-10	1.34E-09	7.36E-11	2.15E-09	1.14E-10	2.20E-10	1.10E-11	3.45E-10	1.11E-10	1.89E-10	1.40E-11	3.14E-10	6.31E-11	1.04E-10	3.46E-12	1.71E-10
2457	744217.54	4107815.23	7.39E-10	1.35E-09	7.39E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.46E-10	1.11E-10	1.90E-10	1.41E-11	3.15E-10	6.33E-11	1.05E-10	3.47E-12	1.71E-10
2458	744237.81	4107828.95	7.40E-10	1.35E-09	7.41E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.12E-10	1.90E-10	1.41E-11	3.16E-10	6.34E-11	1.05E-10	3.48E-12	1.72E-10
2459	744258.08	4107842.67	7.41E-10	1.35E-09	7.42E-11	2.17E-09	1.15E-10	2.21E-10	1.11E-11	3.48E-10	1.12E-10	1.91E-10	1.41E-11	3.16E-10	6.35E-11	1.05E-10	3.48E-12	1.72E-10
2460	744278.35	4107856.38	7.42E-10	1.35E-09	7.42E-11	2.17E-09	1.15E-10	2.22E-10	1.11E-11	3.48E-10	1.12E-10	1.91E-10	1.41E-11	3.17E-10	6.36E-11	1.05E-10	3.49E-12	1.72E-10
2461	744298.61	4107870.1	7.42E-10	1.35E-09	7.43E-11	2.17E-09	1.15E-10	2.22E-10	1.11E-11	3.48E-10	1.12E-10	1.91E-10	1.41E-11	3.17E-10	6.36E-11	1.05E-10	3.49E-12	1.72E-10
2462	744318.88	4107883.82	7.43E-10	1.35E-09	7.44E-11	2.17E-09	1.15E-10	2.22E-10	1.12E-11	3.48E-10	1.12E-10	1.91E-10	1.42E-11	3.17E-10	6.37E-11	1.05E-10	3.49E-12	1.73E-10
2463	744339.15	4107897.54	7.45E-10	1.36E-09	7.45E-11	2.18E-09	1.15E-10	2.22E-10	1.12E-11	3.49E-10	1.12E-10	1.91E-10	1.42E-11	3.18E-10	6.38E-11	1.06E-10	3.50E-12	1.73E-10
2464	744359.42	4107911.26	7.46E-10	1.36E-09	7.47E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.13E-10	1.92E-10	1.42E-11	3.19E-10	6.39E-11	1.06E-10	3.51E-12	1.73E-10
2465	744379.68	4107924.97	7.49E-10	1.37E-09	7.50E-11	2.19E-09	1.16E-10	2.24E-10	1.12E-11	3.51E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.42E-11	1.06E-10	3.52E-12	1.74E-10
2466	744399.95	4107938.69	7.53E-10	1.37E-09	7.54E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.53E-10	1.14E-10	1.94E-10	1.44E-11	3.22E-10	6.45E-11	1.07E-10	3.54E-12	1.75E-10
2467	744420.22	4107952.41	7.58E-10	1.38E-09	7.59E-11	2.22E-09	1.18E-10	2.27E-10	1.14E-11	3.56E-10	1.14E-10	1.95E-10	1.45E-11	3.24E-10	6.50E-11	1.08E-10	3.56E-12	1.76E-10
2468	744440.49	4107966.13	7.64E-10	1.39E-09	7.65E-11	2.23E-09	1.19E-10	2.28E-10	1.15E-11	3.58E-10	1.15E-10	1.97E-10	1.46E-11	3.26E-10	6.55E-11	1.08E-10	3.59E-12	1.77E-10
2469	744460.75	4107979.84	7.71E-10	1.41E-09	7.72E-11	2.25E-09	1.20E-10	2.30E-10	1.16E-11	3.62E-10	1.16E-10	1.98E-10	1.47E-11	3.29E-10	6.61E-11	1.09E-10	3.63E-12	1.79E-10
2470	744481.02	4107993.56	7.79E-10	1.42E-09	7.79E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.65E-10	1.17E-10	2.00E-10	1.48E-11	3.33E-10	6.68E-11	1.10E-10	3.66E-12	1.81E-10
2471	744501.29	4108007.28	7.87E-10	1.43E-09	7.87E-11	2.30E-09	1.22E-10	2.35E-10	1.18E-11	3.69E-10	1.19E-10	2.02E-10	1.50E-11	3.36E-10	6.74E-11	1.12E-10	3.70E-12	1.83E-10
2472	744521.56	4108021	7.95E-10	1.45E-09	7.96E-11	2.32E-09	1.23E-10	2.38E-10	1.19E-11	3.73E-10	1.20E-10	2.04E-10	1.52E-11	3.39E-10	6.81E-11	1.13E-10	3.74E-12	1.85E-10
2473	744541.83	4108034.71	8.03E-10	1.46E-09	8.03E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.76E-10	1.21E-10	2.06E-10	1.53E-11	3.43E-10	6.88E-11	1.14E-10	3.77E-12	1.86E-10
2474	744562.09	4108048.43	8.10E-10	1.48E-09	8.11E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.08E-10	1.54E-11	3.46E-10	6.94E-11	1.15E-10	3.81E-12	1.88E-10
2475	744582.36	4108062.15	8.17E-10	1.49E-09	8.17E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
2476	744602.63	4108075.87	8.23E-10	1.50E-09	8.23E-11	2.40E-09	1.28E-10	2.46E-10	1.23E-11	3.86E-10	1.24E-10	2.11E-10	1.57E-11	3.51E-10	7.05E-11	1.17E-10	3.87E-12	1.91E-10
2477	744622.9	4108089.59	8.27E-10	1.51E-09	8.28E-11	2.42E-09	1.28E-10	2.47E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.53E-10	7.09E-11	1.17E-10	3.89E-12	1.92E-10
2478	744643.16	4108103.3	8.31E-10	1.51E-09	8.32E-11	2.43E-09	1.29E-10	2.48E-10	1.25E-11	3.90E-10	1.25E-10	2.14E-10	1.58E-11	3.55E-10	7.12E-11	1.18E-10	3.91E-12	1.93E-10
2479	740407.21	4107226.08	2.30E-10	4.18E-10	2.30E-11	6.71E-10	3.56E-11	6.86E-11	3.45E-12	1.08E-10	3.46E-11	5.90E-11	4.37E-12	9.80E-11	1.97E-11	3.25E-11	1.08E-12	5.33E-11
2480	740386.57	4107239.34	2.32E-10	4.23E-10	2.32E-11	6.78E-10	3.60E-11	6.93E-11	3.48E-12	1.09E-10	3.50E-11	5.96E-11	4.42E-12	9.90E-11	1.99E-11	3.29E-11	1.09E-12	5.38E-11
2481	740365.93	4107252.6	2.35E-10	4.28E-10	2.35E-11	6.86E-10	3.64E-11	7.01E-11	3.52E-12	1.10E-10	3.54E-11	6.03E-11	4.47E-12	1.00E-10	2.01E-11	3.33E-11	1.10E-12	5.45E-11
2482	740345.3	4107265.85	2.38E-10	4.34E-10	2.38E-11	6.96E-10	3.69E-11	7.11E-11	3.57E-12	1.12E-10	3.59E-11	6.12E-11	4.54E-12	1.02E-10	2.04E-11	3.38E-11	1.12E-12	5.53E-11
2483	740324.66	4107279.11	2.42E-10	4.41E-10	2.42E-11	7.07E-10	3.75E-11	7.22E-11	3.63E-12	1.13E-10	3.65E-11	6.22E-11	4.61E-12	1.03E-10	2.07E-11	3.43E-11	1.14E-12	5.61E-11
2484	740304.02	4107292.37	2.46E-10	4.48E-10	2.46E-11	7.18E-10	3.81E-11	7.34E-11	3.69E-12	1.15E-10	3.71E-11	6.32E-11	4.68E-12	1.05E-10	2.11E-11	3.49E-11	1.16E-12	5.71E-11
2485	740283.38	4107305.62	2.50E-10	4.56E-10	2.50E-11	7.31E-10	3.88E-11	7.47E-11	3.75E-12	1.17E-10	3.77E-11	6.43E-11	4.76E-12	1.07E-10	2.14E-11	3.54E-11	1.17E-12	5.80E-11
2486	741943.03	4109938.39	1.92E-07	3.49E-07	1.92E-08	5.60E-07	2.97E-08	5.72E-08	2.88E-09	8.98E-08	2.89E-08	4.93E-08	3.65E-09	8.18E-08	1.64E-08	2.72E-08	9.00E-10	4.45E-08
2487	741960.55	4109963.31	2.49E-07	4.55E-07	2.50E-08	7.29E-07	3.87E-08	7.45E-08	3.74E-09	1.17E-07	3.76E-08	6.41E-08	4.75E-09	1.06E-07	2.14E-08	3.54E-08	1.17E-09	5.79E-08
2488	741977.05	4109990.24	2.78E-07	5.07E-07	2.78E-08	8.13E-07	4.32E-08	8.31E-08	4.18E-09	1.30E-07	4.20E-08	7.15E-08	5.30E-09	1.19E-07	2.38E-08	3.95E-08	1.31E-09	6.46E-08
2489	741913.25	4109921.94	1.01E-07	1.84E-07	1.01E-08	2.95E-07	1.57E-08	3.02E-08	1.52E-09	4.74E-08	1.52E-08	2.60E-08	1.93E-09	4.31E-08	8.66E-09	1.43E-08	4.75E-10	2.35E-08
2490	741934.39	4109952.35	2.41E-07	4.38E-07	2.41E-08	7.03E-07	3.73E-08	7.19E-08	3.61E-09	1.13E-07	3.63E-08	6.19E-08	4.59E-09	1.03E-07	2.06E-08	3.41E-08	1.13E-09	5.59E-08
2491	741957.94	4109988.34	2.85E-07	5.19E-07	2.85E-08	8.33E-07	4.42E-08	8.52E-08	4.28E-09	1.34E-07	4.30E-08	7.33E-08	5.43E-09	1.22E-07	2.44E-08	4.04E-08	1.34E-09	6.62E-08
2492	741892.15	4109935.35	9.63E-08	1.75E-07	9.63E-09	2.81E-07	1.49E-08	2.88E-08	1.44E-09	4.51E-08	1.45E-08	2.47E-08	1.83E-09	4.11E-08	8.25E-09	1.36E-08	4.52E-10	2.23E-08

2493	741896.42	4109882.11	5.00E-08	9.10E-08	5.00E-09	1.46E-07	7.75E-09	1.49E-08	7.50E-10	2.34E-08	7.53E-09	1.28E-08	9.52E-10	2.13E-08	4.28E-09	7.08E-09	2.35E-10	1.16E-08
2494	741871.05	4109948.76	9.26E-08	1.69E-07	9.26E-09	2.71E-07	1.44E-08	2.77E-08	1.39E-09	4.34E-08	1.40E-08	2.38E-08	1.76E-09	3.95E-08	7.93E-09	1.31E-08	4.35E-10	2.15E-08
2495	741864.42	4109911.18	5.36E-08	9.78E-08	5.37E-09	1.57E-07	8.32E-09	1.60E-08	8.05E-10	2.52E-08	8.09E-09	1.38E-08	1.02E-09	2.29E-08	4.60E-09	7.61E-09	2.52E-10	1.25E-08
2496	741872	4109876.74	4.02E-08	7.33E-08	4.03E-09	1.18E-07	6.24E-09	1.20E-08	6.04E-10	1.89E-08	6.07E-09	1.03E-08	7.67E-10	1.72E-08	3.45E-09	5.70E-09	1.89E-10	9.34E-09
2497	741828.86	4109975.59	8.27E-08	1.51E-07	8.28E-09	2.42E-07	1.28E-08	2.47E-08	1.24E-09	3.88E-08	1.25E-08	2.13E-08	1.58E-09	3.53E-08	7.09E-09	1.17E-08	3.89E-10	1.92E-08
2498	741822.22	4109938.01	5.08E-08	9.26E-08	5.08E-09	1.48E-07	7.88E-09	1.52E-08	7.62E-10	2.38E-08	7.66E-09	1.31E-08	9.68E-10	2.17E-08	4.35E-09	7.20E-09	2.39E-10	1.18E-08
2499	741815.59	4109900.43	3.56E-08	6.49E-08	3.56E-09	1.04E-07	5.52E-09	1.06E-08	5.34E-10	1.67E-08	5.37E-09	9.15E-09	6.79E-10	1.52E-08	3.05E-09	5.05E-09	1.67E-10	8.27E-09
2500	741823.17	4109865.98	2.85E-08	5.19E-08	2.85E-09	8.32E-08	4.42E-09	8.51E-09	4.28E-10	1.34E-08	4.30E-09	7.32E-09	5.43E-10	1.22E-08	2.44E-09	4.04E-09	1.34E-10	6.61E-09
2501	741844.98	4109834.67	2.42E-08	4.42E-08	2.43E-09	7.08E-08	3.76E-09	7.24E-09	3.64E-10	1.14E-08	3.66E-09	6.23E-09	4.62E-10	1.03E-08	2.08E-09	3.44E-09	1.14E-10	5.63E-09
2502	741773.39	4109927.26	3.49E-08	6.36E-08	3.49E-09	1.02E-07	5.41E-09	1.04E-08	5.24E-10	1.64E-08	5.26E-09	8.97E-09	6.65E-10	1.49E-08	2.99E-09	4.95E-09	1.64E-10	8.10E-09
2503	741766.76	4109889.68	2.62E-08	4.77E-08	2.62E-09	7.66E-08	4.06E-09	7.83E-09	3.93E-10	1.23E-08	3.95E-09	6.74E-09	4.99E-10	1.12E-08	2.25E-09	3.71E-09	1.23E-10	6.08E-09
2504	741774.34	4109855.23	2.17E-08	3.96E-08	2.18E-09	6.35E-08	3.37E-09	6.50E-09	3.26E-10	1.02E-08	3.28E-09	5.59E-09	4.14E-10	9.28E-09	1.86E-09	3.08E-09	1.02E-10	5.05E-09
2505	741796.15	4109823.91	1.90E-08	3.46E-08	1.90E-09	5.55E-08	2.95E-09	5.68E-09	2.85E-10	8.91E-09	2.87E-09	4.88E-09	3.62E-10	8.11E-09	1.63E-09	2.69E-09	8.93E-11	4.41E-09
2506	741817.96	4109792.6	1.62E-08	2.95E-08	1.62E-09	4.74E-08	2.51E-09	4.84E-09	2.43E-10	7.60E-09	2.45E-09	4.17E-09	3.09E-10	6.92E-09	1.39E-09	2.30E-09	7.62E-11	3.76E-09
2507	741801.43	4110039.2	9.27E-08	1.69E-07	9.27E-09	2.71E-07	1.44E-08	2.77E-08	1.39E-09	4.34E-08	1.40E-08	2.38E-08	1.77E-09	3.96E-08	7.94E-09	1.31E-08	4.36E-10	2.15E-08
2508	741824.31	4110075.2	1.08E-07	1.97E-07	1.08E-08	3.16E-07	1.68E-08	3.23E-08	1.62E-09	5.07E-08	1.63E-08	2.78E-08	2.06E-09	4.62E-08	9.27E-09	1.53E-08	5.08E-10	2.51E-08
2509	741744.1	4110027.15	5.00E-08	9.12E-08	5.01E-09	1.46E-07	7.76E-09	1.49E-08	7.51E-10	2.35E-08	7.54E-09	1.29E-08	9.53E-10	2.14E-08	4.29E-09	7.09E-09	2.35E-10	1.16E-08
2510	741736.73	4109985.4	4.11E-08	7.49E-08	4.11E-09	1.20E-07	6.37E-09	1.23E-08	6.17E-10	1.93E-08	6.20E-09	1.06E-08	7.83E-10	1.75E-08	3.52E-09	5.83E-09	1.93E-10	9.54E-09
2511	741729.36	4109943.64	3.12E-08	5.69E-08	3.12E-09	9.12E-08	4.84E-09	9.33E-09	4.69E-10	1.46E-08	4.71E-09	8.03E-09	5.95E-10	1.33E-08	2.68E-09	4.43E-09	1.47E-10	7.25E-09
2512	741726.73	4109842.74	1.73E-08	3.15E-08	1.73E-09	5.05E-08	2.68E-09	5.17E-09	2.59E-10	8.11E-09	2.61E-09	4.44E-09	3.29E-10	7.38E-09	1.48E-09	2.45E-09	8.13E-11	4.01E-09
2513	741750.96	4109807.94	1.52E-08	2.77E-08	1.52E-09	4.44E-08	2.36E-09	4.54E-09	2.28E-10	7.12E-09	2.29E-09	3.90E-09	2.89E-10	6.48E-09	1.30E-09	2.15E-09	7.14E-11	3.53E-09
2514	741775.19	4109773.15	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.86E-09	1.94E-10	6.05E-09	1.95E-09	3.32E-09	2.46E-10	5.51E-09	1.11E-09	1.83E-09	6.07E-11	3.00E-09
2515	741799.42	4109738.35	1.11E-08	2.02E-08	1.11E-09	3.24E-08	1.72E-09	3.31E-09	1.66E-10	5.19E-09	1.67E-09	2.85E-09	2.11E-10	4.73E-09	9.49E-10	1.57E-09	5.20E-11	2.57E-09
2516	741759.23	4110066.03	5.74E-08	1.05E-07	5.74E-09	1.68E-07	8.89E-09	1.71E-08	8.61E-10	2.69E-08	8.65E-09	1.47E-08	1.09E-09	2.45E-08	4.91E-09	8.13E-09	2.70E-10	1.33E-08
2517	741782.12	4110102.02	6.21E-08	1.13E-07	6.21E-09	1.81E-07	9.63E-09	1.85E-08	9.32E-10	2.91E-08	9.36E-09	1.60E-08	1.18E-09	2.65E-08	5.32E-09	8.80E-09	2.92E-10	1.44E-08
2518	741701.98	4110054.36	3.74E-08	6.81E-08	3.74E-09	1.09E-07	5.80E-09	1.12E-08	5.61E-10	1.75E-08	5.64E-09	9.61E-09	7.12E-10	1.60E-08	3.20E-09	5.30E-09	1.76E-10	8.68E-09
2519	741694.74	4110013.36	3.47E-08	6.32E-08	3.47E-09	1.01E-07	5.38E-09	1.04E-08	5.21E-10	1.63E-08	5.23E-09	8.92E-09	6.61E-10	1.48E-08	2.97E-09	4.92E-09	1.63E-10	8.05E-09
2520	741687.5	4109972.37	2.94E-08	5.36E-08	2.95E-09	8.60E-08	4.57E-09	8.79E-09	4.42E-10	1.38E-08	4.44E-09	7.57E-09	5.61E-10	1.26E-08	2.52E-09	4.17E-09	1.38E-10	6.83E-09
2521	741680.26	4109931.37	2.36E-08	4.31E-08	2.36E-09	6.90E-08	3.66E-09	7.06E-09	3.55E-10	1.11E-08	3.56E-09	6.07E-09	4.50E-10	1.01E-08	2.02E-09	3.35E-09	1.11E-10	5.49E-09
2522	741673.02	4109890.38	1.85E-08	3.38E-08	1.86E-09	5.42E-08	2.88E-09	5.54E-09	2.78E-10	8.69E-09	2.80E-09	4.77E-09	3.53E-10	7.92E-09	1.59E-09	2.63E-09	8.71E-11	4.30E-09
2523	741701.47	4109798.14	1.28E-08	2.34E-08	1.28E-09	3.74E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.29E-09	2.44E-10	5.47E-09	1.10E-09	1.82E-09	6.02E-11	2.98E-09
2524	741725.26	4109763.97	1.11E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.33E-09	1.67E-10	5.22E-09	1.68E-09	2.86E-09	2.12E-10	4.76E-09	9.55E-10	1.58E-09	5.24E-11	2.59E-09
2525	741749.05	4109729.81	9.58E-09	1.75E-08	9.59E-10	2.80E-08	1.49E-09	2.86E-09	1.44E-10	4.49E-09	1.44E-09	2.46E-09	1.83E-10	4.09E-09	8.21E-10	1.36E-09	4.50E-11	2.22E-09
2526	741772.84	4109695.65	8.45E-09	1.54E-08	8.46E-10	2.47E-08	1.31E-09	2.53E-09	1.27E-10	3.96E-09	1.27E-09	2.17E-09	1.61E-10	3.61E-09	7.24E-10	1.20E-09	3.97E-11	1.96E-09
2527	741717.04	4110092.86	3.95E-08	7.19E-08	3.95E-09	1.15E-07	6.12E-09	1.18E-08	5.92E-10	1.85E-08	5.95E-09	1.01E-08	7.52E-10	1.68E-08	3.38E-09	5.60E-09	1.85E-10	9.16E-09
2528	741739.92	4110128.85	4.09E-08	7.45E-08	4.09E-09	1.19E-07	6.34E-09	1.22E-08	6.14E-10	1.92E-08	6.17E-09	1.05E-08	7.79E-10	1.75E-08	3.50E-09	5.80E-09	1.92E-10	9.49E-09
2529	741617.67	4110108.47	2.22E-08	4.05E-08	2.22E-09	6.49E-08	3.44E-09	6.63E-09	3.33E-10	1.04E-08	3.35E-09	5.71E-09	4.23E-10	9.48E-09	1.90E-09	3.15E-09	1.04E-10	5.15E-09
2530	741610.59	4110068.38	2.28E-08	4.15E-08	2.28E-09	6.65E-08	3.53E-09	6.80E-09	3.41E-10	1.07E-08	3.43E-09	5.85E-09	4.34E-10	9.71E-09	1.95E-09	3.23E-09	1.07E-10	5.28E-09
2531	741603.51	4110028.3	2.22E-08	4.05E-08	2.23E-09	6.50E-08	3.45E-09	6.65E-09	3.34E-10	1.04E-08	3.35E-09	5.72E-09	4.24E-10	9.50E-09	1.91E-09	3.15E-09	1.05E-10	5.16E-09
2532	741596.43	4109988.21	2.05E-08	3.73E-08	2.05E-09	5.99E-08	3.18E-09	6.12E-09	3.08E-10	9.61E-09	3.09E-09	5.27E-09	3.91E-10	8.75E-09	1.76E-09	2.91E-09	9.63E-11	4.76E-09
2533	741589.35	4109948.13	1.80E-08	3.29E-08	1.81E-09	5.27E-08	2.80E-09	5.39E-09	2.71E-10	8.46E-09	2.72E-09	4.64E-09	3.44E-10	7.71E-09	1.55E-09	2.56E-09	8.48E-11	4.19E-09
2534	741582.28	4109908.04	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.30E-10	7.18E-09	2.31E-09	3.93E-09	2.92E-10	6.53E-09	1.31E-09	2.17E-09	7.19E-11	3.55E-09
2535	741575.2	4109867.96	1.27E-08	2.32E-08	1.27E-09	3.72E-08	1.98E-09	3.80E-09	1.91E-10	5.97E-09	1.92E-09	3.27E-09	2.43E-10	5.44E-09	1.09E-09	1.81E-09	5.99E-11	2.96E-09
2536	741579.75	4109811.17	1.02E-08	1.87E-08	1.02E-09	2.99E-08	1.59E-09	3.06E-09	1.54E-10	4.80E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.77E-10	1.45E-09	4.81E-11	2.38E-09
2537	741603.01	4109777.77	9.41E-09	1.72E-08	9.42E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.07E-10	1.33E-09	4.42E-11	2.19E-09
2538	741649.54	4109710.96	7.61E-09	1.39E-08	7.61E-10	2.22E-08	1.18E-09	2.27E-09	1.14E-10	3.57E-09	1.15E-09	1.96E-09	1.45E-10	3.25E-09	6.52E-10	1.08E-09	3.58E-11	1.77E-09
2539	741672.8	4109677.56	6.70E-09	1.22E-08	6.71E-10	1.96E-08	1.04E-09	2.00E-09	1.01E-10	3.14E-09	1.01E-09	1.72E-09	1.28E-10	2.86E-09	5.74E-10	9.50E-10	3.15E-11	1.56E-09
2540	741696.06	4109644.16	6.01E-09	1.09E-08	6.01E-10	1.76E-08	9.32E-10	1.80E-09	9.02E-11	2.82E-09	9.06E-10	1.54E-09	1.14E-10	2.57E-09	5.15E-10	8.52E-10	2.82E-11	1.40E-09
2541	741719.32	4109610.75	5.53E-09	1.01E-08	5.54E-10	1.62E-08	8.58E-10	1.65E-09	8.30E-11	2.59E-09	8.34E-10	1.42E-09	1.05E-10	2.36E-09	4.74E-10	7.84E-10	2.60E-11	1.28E-09
2542	741632.65	4110146.51	2.19E-08	4.00E-08	2.19E-09	6.41E-08	3.40E-09	6.55E-09	3.29E-10	1.03E-08	3.31E-09	5.64E-09	4.18E-10	9.36E-09	1.88E-09	3.11E-09	1.03E-10	5.09E-09
2543	741655.53	4110182.5	2.20E-08	4.01E-08	2.20E-09	6.44E-08	3.42E-09	6.58E-09	3.31E-10	1.03E-08	3.32E-09	5.66E-09	4.20E-10	9.41E-09	1.89E-09	3.12E-09	1.04E-10	5.11E-09
2544	741533.13	4110161.29	1.44E-08	2.62E-08	1.44E-09	4.21E-08	2.23E-09	4.30E-09	2.16E-10	6.75E-09	2.17E-09	3.70E-09	2.74E-10	6.15E-09	1.23E-09	2.04E-09	6.77E-11	3.34E-09
2545	741525.76	4110119.53	1.53E-08	2.78E-08	1.53E-09	4.46E-08	2.37E-09	4.56E-09	2.29E-10	7.15E-09	2.30E-09	3.92E-09	2.91E-10	6.51E-09	1.31E-09	2.16E-09	7.17E-11	3.54E-09
2546	741518.39	4110077.78	1.58E-08	2.88E-08	1.58E-09	4.62E-08	2.45E-09	4.72E-09	2.37E-10	7.40E-09	2.38E-09	4.06E-09	3.01E-10	6.74E-09	1.35E-09	2.24E-09	7.42E-11	3.67E-09
2547	741511.01	4110036.02	1.56E-08	2.85E-08	1.57E-09	4.57E-08	2.43E-09	4.67E-09	2.35E-10	7.33E-09	2.36E-09	4.02E-09	2.98E-10	6.68E-09	1.34E-09	2.22E-09	7.35E-11	3.63E-09
2548	741503.64	4109994.27	1.47E-08	2.69E-08	1.48E-09	4.31E-08	2.29E-09	4.40E-09	2.21E-10	6.91E-09	2.22E-09	3.79E-09	2.81E-10	6.29E-09	1.26E-09	2.09E-09	6.93E-11	3.42E-09
2549	741496.27	4109952.51	1.34E-08	2.44E-08	1.34E-09	3.92E-08	2.08E-09	4.00E-09	2.01E-10	6.28E-09	2.02E-09	3.45E-09	2.55E-10	5.72E-09	1.15E-09	1.90E-09	6.30E-11	3.11E-09
2550	741488.89	4109910.76	1.19E-08	2.16E-08	1.19E-09	3.47E-08	1.84E-09	3.54E-09	1.78E-10	5.56E-09	1.79E-09	3.05E-09	2.26E-10	5.07E-09	1.02E-09	1.68E-09	5.58E-11	2.75E-09
2551	741481.52	4109869	1.03E-08	1.87E-08	1.03E-09	3.01E-08	1.60E-09	3.07E-09	1.54E-10	4.82E-09	1.55E-09	2.64E-09	1.96E-10	4.39E-09	8.81E-10	1.46E-09	4.83E-11	2.39E-09
2552	741474.15	4109827.25	8.86E-09	1.61E-08	8.86E-10	2.59E-08	1.37E-09	2.65E-09	1.33E-10	4.15E-09	1.34E-09	2.28E-09	1.69E-10	3.78E-09	7.59E-10	1.26E-09	4.16E-11	2.06E-09
2553	741482.58	4109788.97	7.91E-09	1.44E-08	7.92E-10	2.31E-08	1.23E-09	2.36E-09	1.19E-10	3.71E-09	1.19E-09	2.03E-09	1.51E-10	3.38E-09	6.78E-10	1.12E-09	3.72E-11	1.84E-09
2554	741506.81	4109754.18	7.25E-09	1.32E-08	7.26E-10	2.12E-08	1.12E-09	2.17E-09	1.09E-10	3.40E-09	1.09E-09	1.86E-09	1.38E-10	3.10E-09	6.21E-10	1.03E-09	3.41E-11	1.68E-09
2555	741531.04	4109719.38	6.60E-09	1.20E-08	6.60E-10	1.93E-08	1.02E-09	1.97E-09	9.90E-11	3.09E-09	9.95E-10	1.70E-09	1.26E-10	2.82E-09	5.65E-10	9.35E-10	3.10E-11	1.53E-09
2556	741555.27	4109684.58	5.99E-09	1.09E-08	5.99E-10	1.75E-08	9.29E-10	1.79E-09	8.99E-11	2.81E-09	9.03E-10	1.54E-09	1.14E-10	2.56E-09	5.13E-10	8.49E-10	2.81E-11	1.39E-09
2557	741603.73	4109614.99	4.86E-09	8.86E-09	4.87E-10	1.42E-08	7.54E-10	1.45E-09	7.30E-11	2.28E-09	7.34E-10	1.25E-09	9.27E-11	2.08E-09	4.17E-10	6.90E-10	2.29E-11	1.13E-09
2558	741627.96	4109580.2	4.43E-09	8.08E-09	4.44E-10	1.30E-08	6.87E-10	1.32E-09	6.65E-11	2.08E-09	6.68E-10	1.14E-09	8.45E-11	1.89E-09	3.80E-10	6.28E-10	2.08E-11	1.03E-09
2559	741652.19	4109545.4	4.13E-09	7.52E-09	4.13E-10	1.21E-08	6.40E-10	1.23E-09	6.20E-11	1.94E-09	6.23E-10	1.06E-09	7.87E-11	1.76E-09	3.54E-10	5.85E-10	1.94E-11	9.59E-10
2560	741548.26	4110200.16	1.41E-08	2.56E-08	1.41E-09	4.11E-08	2.18E-09	4.20E-09	2.11E-10	6.59E-09	2.12E-09	3.61E-09	2.68E-10	6.00E-09	1.20E-09	1.99E-09	6.60E-11	3.26E-09
2561	741571.15	4110236.16	1.42E-08	2.59E-08	1.42E-09	4.15E-08	2.20E-09	4.25E-09	2.13E-10	6.67E-09	2.14E-09	3.65E-09	2.71E-10	6.07E-09	1.22E-09	2.02E-09	6.68E-11	3.30E-09
2562	741448.81	4110215.32	1.01E-08	1.84E-08	1.01E-09	2.94E-08	1.56E-09	3.01E-09	1.51E-10	4.72E-09	1.52E-09	2.59E-09	1.92E-10	4.30E-09	8.63E-10	1.43E-09	4.74E-11	2.34E-09
2563	741441.57	4110174.32	1.07E-08	1.94E-08	1.07E-09	3.11E-08	1.65E-09	3.18E-09	1.60E-10	4.99E-09	1.61E-09	2.74E-09	2.03E-10	4.55E-09	9.13E-10	1.51E-09	5.01E-11	2.47E-09
2564	741434.33	4110133.33	1.13E-08	2.06E-08	1.13E-09	3.31E-08	1.76E-09	3.38E-09	1.70E-10	5.31E-09	1.71E-09	2.91E-09	2.16E-10	4.84E-09	9.71E-10	1.61E-09	5.32E-11	2.63E-09
2565	741427.09	4110092.33	1.18E-08	2.15E-08	1.18E-09	3.45E-08	1.83E-09	3.53E-09	1.77E-10	5.54E-09	1.78E-09	3.04E-09	2.25E-10	5.04E-09	1.01E-09	1.68E-09	5.55E-11	2.74E-09
2566	741419.85	4110051.33	1.19E-08	2.16E-08	1.19E-09	3.46E-08	1.84E-09	3.54E-09	1.78E-10	5.56E-09	1.79E-09	3.05E-09	2.26E-10	5.06E-09	1.02E-09	1.68E-09	5.57E-11	2.75E-09
2567	741412.61	4110010.34	1.14E-08	2.07E-08	1.14E-09	3.33E-08	1.77E-09	3.40E-09	1.71E-10	5.34E-09	1.72E-09	2.93E-09	2.17E-10	4.86E-09	9.75E-10	1.61E-09	5.35E-11	2.64E-09
2568	741405.38	4109969.34	1.06E-08	1.93E-08	1.06E-09	3.10E-08	1.64E-09	3.17E-09	1.59E-10	4.97E-09	1.60E-09	2.73E-09	2.02E-10	4.53E-09	9.09E-10	1.50E-09	4.98E-11	2.46E-09
2569	741398.14	4109928.35	9.72E-09	1.77E-08	9.73E-10	2.84E-08	1.51E-09	2.90E-09	1.46E-10	4.56E-09	1.47E-09	2.50E-09	1.85E-10	4.15E-09	8.33E-10	1.38E-09	4.57E-11	2.26E-09
2570	741390.9	4109887.35	8.80E-09	1.60E-08	8.81E-10	2.57E-08	1.36E-09	2.63E-09	1.32E-10	4.13E-09	1.33E-09	2.26E-09	1.68E-10	3.76E-09	7.54E-10	1.25E-09	4.14E-11	2.04E-09
2571	741383.66	4109846.36	7.88E-09	1.44E-08	7.89E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.69E-09	1.19E-09	2.03E-09	1.50E-10	3.36E-09	6.75E-10	1.12E-09	3.70E-11	1.83E-09
2572	741376.42	4109805.36	7.01E-09	1.28E-08	7.02E-10	2.05E-08	1.09E-09	2.09E-09	1.05E-10	3.29E-09	1.06E-09	1.80E-09	1.34E-10	2.99E-09	6.01E-10	9.94E-10	3.30E-11	1.63E-09
2573	741384.7	4109767.78	6.40E-09	1.17E-08	6.40E-10	1.87E-08	9.93E-10	1.91E-09	9.61E-11	3.00E-09	9.65E-10	1.65E-09	1.22E-10	2.73E-09	5.49E-10	9.08E-10	3.01E-11	1.49E-09
2574	741408.49	4109733.62	5.93E-09	1.08E-08	5.93E-10	1.73E-08	9.20E-10	1.77E-09	8.90E-11	2.78E-09	8.94E-10	1.52E-09	1.13E-10	2.53E-09	5.08E-10	8.41E-10	2.79E-11	1.38E-09
2575	741432.28	4109699.45	5.40E-09	9.84E-09	5.40E-10	1.58E-08	8.38E-10	1.61E-09	8.11E-11	2.53E-09	8.15E-10	1.39E-09	1.03E-10	2.31E-09	4.63E-10	7.66E-10	2.54E-11	1.25E-09
2576	741456.07	4109665.29	4.91E-09	8.94E-09	4.91E-10	1.43E-08	7.61E-10	1.47E-09	7.36E-11	2.30E-09	7.40E-10	1.26E-09	9.35E-11	2.09E-09	4.20E-10	6.96E-10	2.31E-11	1.14E-09
2577	741479.86	4109631.13	4.50E-09	8.19E-09	4.50E-10	1.31E-08	6.97E-10	1.34E-09	6.75E-11	2.11E-09	6.78E-10	1.16E-09	8.57E-11	1.92E-09	3.85E-10	6.37E-10	2.11E-11	1.04E-09
2578	741503.65	4109596.97	4.14E-09	7.55E-09	4.15E-10	1.21E-08	6.43E-10	1.24E-09	6.22E-11	1.94E-09	6.25E-10	1.07E-09	7.90E-11	1.77E-09	3.55E-10	5.88E-10	1.95E-11	9.62E-10
2579	741551.23	4109528.64	3.54E-09	6.45E-09	3.54E-10	1.03E-08	5.49E-10	1.06E-09	5.31E-11	1.66E-09	5.34E-10	9.10E-10	6.74E-11	1.51E-09	3.03E-10	5.02E-10	1.66E-11	8.22E-10
2580	741575.02	4109494.48	3.32E-09	6.05E-09	3.32E-10	9.70E-09	5.15E-10	9.91E-10	4.98E-11	1.56E-09	5.00E-10	8.53E-10	6.32E-11	1.42E-09	2.84E-10	4.71E-10	1.56E-11	7.70E-10
2581	741598.81	4109460.32	3.14E-09	5.73E-09	3.15E-10	9.19E-09	4.88E-10	9.39E-10	4.72E-11	1.47E-09	4.74E-10	8.08E-10	5.99E-11	1.34E-09	2.69E-10	4.46E-10	1.48E-11	7.30E-10
2582	741463.87	4110253.81	9.95E-09	1.81E-08	9.96E-10	2.91E-08	1.54E-09	2.97E-09	1.49E-10	4.66E-09	1.50E-09	2.56E-09	1.90E-10	4.25E-09	8.53E-10	1.41E-09	4.68E-11	2.31E-09
2583	741486.76	4110289.81	1.01E-08	1.85E-08	1.01E-09	2.96E-08	1.57E-09	3.03E-09	1.52E-10	4.75E-09	1.53E-09	2.61E-09	1.93E-10	4.33E-09	8.68E-10	1.44E-09	4.76E-11	2.35E-09
2584	741364.47	4110269.23	7.57E-09	1.38E-08	7.58E-10	2.21E-08	1.17E-09	2.26E-09	1.14E-10	3.55E-09	1.14E-09	1.95E-09	1.44E-10	3.23E-09	6.49E-10	1.07E-09	3.56E-11	1.76E-09
2585	741357.32	4110228.76	7.87E-09	1.43E-08	7.87E-10	2.30E-08	1.22E-09	2.35E-09	1.18E-10	3.69E-09	1.19E-09	2.02E-09	1.50E-10	3.36E-09	6.74E-10	1.12E-09	3.70E-11	1.83E-09
2586	741350.18	4110188.29	8.33E-09	1.52E-08	8.33E-10	2.43E-08	1.29E-09	2.49E-09	1.25E-10	3.90E-09	1.26E-09	2.14E-09	1.59E-10	3.55E-09	7.13E-10	1.18E-09	3.91E-11	1.93E-09
2587	741343.03	4110147.82	8.86E-09	1.61E-08	8.87E-10	2.59E-08	1.37E-09	2.65E-09	1.33E-10	4.15E-09	1.34E-09	2.28E-09	1.69E-10	3.78E-09	7.59E-10	1.26E-09	4.16E-11	2.06E-09
2588	741335.88	4110107.35	9.28E-09	1.69E-08	9.29E-10	2.71E-08	1.44E-09	2.77E-09	1.39E-10	4.35E-09	1.40E-09	2.39E-09	1.77E-10	3.96E-09	7.95E-10	1.32E-09	4.36E-11	2.16E-09

2589	741328.74	4110066.88	9.39E-09	1.71E-08	9.40E-10	2.74E-08	1.46E-09	2.81E-09	1.41E-10	4.40E-09	1.42E-09	2.41E-09	1.79E-10	4.01E-09	8.05E-10	1.33E-09	4.41E-11	2.18E-09
2590	741321.59	4110026.41	9.13E-09	1.66E-08	9.13E-10	2.67E-08	1.42E-09	2.73E-09	1.37E-10	4.28E-09	1.38E-09	2.35E-09	1.74E-10	3.90E-09	7.82E-10	1.29E-09	4.29E-11	2.12E-09
2591	741314.44	4109985.94	8.61E-09	1.57E-08	8.62E-10	2.52E-08	1.34E-09	2.57E-09	1.29E-10	4.04E-09	1.30E-09	2.21E-09	1.64E-10	3.68E-09	7.38E-10	1.22E-09	4.05E-11	2.00E-09
2592	741307.3	4109945.47	8.01E-09	1.46E-08	8.02E-10	2.34E-08	1.24E-09	2.39E-09	1.20E-10	3.76E-09	1.21E-09	2.06E-09	1.53E-10	3.42E-09	6.87E-10	1.14E-09	3.77E-11	1.86E-09
2593	741300.15	4109905	7.43E-09	1.35E-08	7.43E-10	2.17E-08	1.15E-09	2.22E-09	1.11E-10	3.48E-09	1.12E-09	1.91E-09	1.42E-10	3.17E-09	6.36E-10	1.05E-09	3.49E-11	1.72E-09
2594	741293.01	4109864.53	6.86E-09	1.25E-08	6.86E-10	2.00E-08	1.06E-09	2.05E-09	1.03E-10	3.21E-09	1.03E-09	1.76E-09	1.31E-10	2.93E-09	5.88E-10	9.72E-10	3.22E-11	1.59E-09
2595	741285.86	4109824.06	6.29E-09	1.15E-08	6.29E-10	1.84E-08	9.75E-10	1.88E-09	9.44E-11	2.95E-09	9.48E-10	1.62E-09	1.20E-10	2.68E-09	5.39E-10	8.92E-10	2.96E-11	1.46E-09
2596	741278.71	4109783.59	5.73E-09	1.04E-08	5.73E-10	1.67E-08	8.88E-10	1.71E-09	8.60E-11	2.69E-09	8.64E-10	1.47E-09	1.09E-10	2.45E-09	4.91E-10	8.12E-10	2.69E-11	1.33E-09
2597	741286.88	4109746.49	5.32E-09	9.69E-09	5.32E-10	1.55E-08	8.25E-10	1.59E-09	7.98E-11	2.49E-09	8.02E-10	1.37E-09	1.01E-10	2.27E-09	4.56E-10	7.54E-10	2.50E-11	1.23E-09
2598	741310.37	4109712.77	4.99E-09	9.09E-09	4.99E-10	1.46E-08	7.74E-10	1.49E-09	7.49E-11	2.34E-09	7.52E-10	1.28E-09	9.51E-11	2.13E-09	4.28E-10	7.07E-10	2.34E-11	1.16E-09
2599	741333.85	4109679.04	4.59E-09	8.36E-09	4.59E-10	1.34E-08	7.12E-10	1.37E-09	6.89E-11	2.15E-09	6.92E-10	1.18E-09	8.74E-11	1.96E-09	3.93E-10	6.51E-10	2.16E-11	1.07E-09
2600	741357.34	4109645.32	4.17E-09	7.59E-09	4.17E-10	1.22E-08	6.46E-10	1.24E-09	6.25E-11	1.95E-09	6.28E-10	1.07E-09	7.94E-11	1.78E-09	3.57E-10	5.91E-10	1.96E-11	9.67E-10
2601	741380.82	4109611.59	3.80E-09	6.92E-09	3.80E-10	1.11E-08	5.89E-10	1.13E-09	5.70E-11	1.78E-09	5.72E-10	9.76E-10	7.23E-11	1.62E-09	3.25E-10	5.38E-10	1.78E-11	8.81E-10
2602	741404.31	4109577.87	3.51E-09	6.39E-09	3.51E-10	1.02E-08	5.44E-10	1.05E-09	5.26E-11	1.64E-09	5.29E-10	9.01E-10	6.68E-11	1.50E-09	3.00E-10	4.97E-10	1.65E-11	8.14E-10
2603	741427.79	4109544.14	3.28E-09	5.97E-09	3.28E-10	9.58E-09	5.08E-10	9.79E-10	4.92E-11	1.54E-09	4.94E-10	8.43E-10	6.25E-11	1.40E-09	2.81E-10	4.65E-10	1.54E-11	7.61E-10
2604	741451.28	4109510.42	3.08E-09	5.61E-09	3.08E-10	9.00E-09	4.78E-10	9.20E-10	4.62E-11	1.44E-09	4.64E-10	7.92E-10	5.87E-11	1.31E-09	2.64E-10	4.37E-10	1.45E-11	7.15E-10
2605	741498.25	4109442.97	2.75E-09	5.01E-09	2.75E-10	8.04E-09	4.27E-10	8.22E-10	4.13E-11	1.29E-09	4.15E-10	7.07E-10	5.24E-11	1.17E-09	2.36E-10	3.90E-10	1.29E-11	6.39E-10
2606	741521.74	4109409.25	2.62E-09	4.77E-09	2.62E-10	7.66E-09	4.06E-10	7.83E-10	3.93E-11	1.23E-09	3.95E-10	6.74E-10	4.99E-11	1.12E-09	2.25E-10	3.71E-10	1.23E-11	6.08E-10
2607	741545.22	4109375.52	2.50E-09	4.56E-09	2.50E-10	7.31E-09	3.88E-10	7.48E-10	3.76E-11	1.17E-09	3.77E-10	6.43E-10	4.77E-11	1.07E-09	2.14E-10	3.55E-10	1.18E-11	5.81E-10
2608	741379.48	4110307.47	7.55E-09	1.38E-08	7.55E-10	2.21E-08	1.17E-09	2.26E-09	1.13E-10	3.54E-09	1.14E-09	1.94E-09	1.44E-10	3.22E-09	6.47E-10	1.07E-09	3.55E-11	1.75E-09
2609	741402.37	4110343.46	7.71E-09	1.40E-08	7.71E-10	2.25E-08	1.20E-09	2.30E-09	1.16E-10	3.61E-09	1.16E-09	1.98E-09	1.47E-10	3.29E-09	6.60E-10	1.09E-09	3.62E-11	1.79E-09
2610	741195.65	4110376.28	4.88E-09	8.90E-09	4.89E-10	1.43E-08	7.57E-10	1.46E-09	7.33E-11	2.29E-09	7.36E-10	1.26E-09	9.30E-11	2.08E-09	4.18E-10	6.92E-10	2.29E-11	1.13E-09
2611	741188.41	4110335.28	4.97E-09	9.05E-09	4.97E-10	1.45E-08	7.71E-10	1.48E-09	7.46E-11	2.33E-09	7.49E-10	1.28E-09	9.47E-11	2.12E-09	4.26E-10	7.05E-10	2.34E-11	1.15E-09
2612	741181.17	4110294.28	5.11E-09	9.31E-09	5.11E-10	1.49E-08	7.93E-10	1.53E-09	7.67E-11	2.40E-09	7.71E-10	1.31E-09	9.74E-11	2.18E-09	4.38E-10	7.25E-10	2.40E-11	1.19E-09
2613	741173.93	4110253.29	5.34E-09	9.73E-09	5.34E-10	1.56E-08	8.28E-10	1.60E-09	8.02E-11	2.50E-09	8.05E-10	1.37E-09	1.02E-10	2.28E-09	4.58E-10	7.57E-10	2.51E-11	1.24E-09
2614	741166.69	4110212.29	5.67E-09	1.03E-08	5.67E-10	1.66E-08	8.79E-10	1.69E-09	8.51E-11	2.66E-09	8.55E-10	1.46E-09	1.08E-10	2.42E-09	4.86E-10	8.04E-10	2.66E-11	1.32E-09
2615	741159.45	4110171.3	6.04E-09	1.10E-08	6.05E-10	1.77E-08	9.37E-10	1.80E-09	9.07E-11	2.83E-09	9.11E-10	1.55E-09	1.15E-10	2.58E-09	5.18E-10	8.57E-10	2.84E-11	1.40E-09
2616	741152.21	4110130.3	6.34E-09	1.16E-08	6.35E-10	1.85E-08	9.84E-10	1.90E-09	9.52E-11	2.97E-09	9.57E-10	1.63E-09	1.21E-10	2.71E-09	5.44E-10	8.99E-10	2.98E-11	1.47E-09
2617	741144.97	4110089.31	6.46E-09	1.18E-08	6.46E-10	1.89E-08	1.00E-09	1.93E-09	9.69E-11	3.03E-09	9.74E-10	1.66E-09	1.23E-10	2.76E-09	5.53E-10	9.15E-10	3.03E-11	1.50E-09
2618	741137.73	4110048.31	6.33E-09	1.15E-08	6.34E-10	1.85E-08	9.82E-10	1.89E-09	9.50E-11	2.97E-09	9.55E-10	1.63E-09	1.21E-10	2.70E-09	5.43E-10	8.98E-10	2.98E-11	1.47E-09
2619	741130.49	4110007.31	6.03E-09	1.10E-08	6.03E-10	1.76E-08	9.35E-10	1.80E-09	9.05E-11	2.83E-09	9.09E-10	1.55E-09	1.15E-10	2.57E-09	5.17E-10	8.55E-10	2.83E-11	1.40E-09
2620	741123.25	4109966.32	5.65E-09	1.03E-08	5.65E-10	1.65E-08	8.76E-10	1.69E-09	8.48E-11	2.65E-09	8.52E-10	1.45E-09	1.08E-10	2.41E-09	4.84E-10	8.01E-10	2.66E-11	1.31E-09
2621	741116.02	4109925.32	5.29E-09	9.65E-09	5.30E-10	1.55E-08	8.21E-10	1.58E-09	7.95E-11	2.48E-09	7.98E-10	1.36E-09	1.01E-10	2.26E-09	4.54E-10	7.51E-10	2.49E-11	1.23E-09
2622	741108.78	4109884.33	5.00E-09	9.10E-09	5.00E-10	1.46E-08	7.75E-10	1.49E-09	7.50E-11	2.34E-09	7.53E-10	1.28E-09	9.52E-11	2.13E-09	4.28E-10	7.08E-10	2.35E-11	1.16E-09
2623	741101.54	4109843.33	4.74E-09	8.64E-09	4.74E-10	1.39E-08	7.35E-10	1.42E-09	7.11E-11	2.22E-09	7.15E-10	1.22E-09	9.03E-11	2.02E-09	4.06E-10	6.72E-10	2.23E-11	1.10E-09
2624	741094.3	4109802.33	4.49E-09	8.19E-09	4.50E-10	1.31E-08	6.97E-10	1.34E-09	6.74E-11	2.11E-09	6.78E-10	1.16E-09	8.56E-11	1.92E-09	3.85E-10	6.37E-10	2.11E-11	1.04E-09
2625	741087.06	4109761.34	4.23E-09	7.71E-09	4.23E-10	1.24E-08	6.56E-10	1.26E-09	6.35E-11	1.98E-09	6.38E-10	1.09E-09	8.06E-11	1.81E-09	3.63E-10	6.00E-10	1.99E-11	9.83E-10
2626	741091.72	4109703.26	3.88E-09	7.06E-09	3.88E-10	1.13E-08	6.01E-10	1.16E-09	5.82E-11	1.82E-09	5.84E-10	9.96E-10	7.39E-11	1.65E-09	3.32E-10	5.50E-10	1.82E-11	9.00E-10
2627	741115.51	4109669.1	3.70E-09	6.74E-09	3.70E-10	1.08E-08	5.74E-10	1.11E-09	5.55E-11	1.73E-09	5.58E-10	9.51E-10	7.05E-11	1.58E-09	3.17E-10	5.24E-10	1.74E-11	8.59E-10
2628	741139.3	4109634.94	3.47E-09	6.32E-09	3.47E-10	1.01E-08	5.38E-10	1.04E-09	5.21E-11	1.63E-09	5.23E-10	8.92E-10	6.61E-11	1.48E-09	2.97E-10	4.92E-10	1.63E-11	8.06E-10
2629	741163.09	4109600.77	3.20E-09	5.83E-09	3.20E-10	9.35E-09	4.96E-10	9.56E-10	4.80E-11	1.50E-09	4.83E-10	8.23E-10	6.10E-11	1.37E-09	2.74E-10	4.54E-10	1.50E-11	7.43E-10
2630	741186.88	4109566.61	2.92E-09	5.32E-09	2.92E-10	8.53E-09	4.53E-10	8.72E-10	4.38E-11	1.37E-09	4.40E-10	7.50E-10	5.56E-11	1.25E-09	2.50E-10	4.14E-10	1.37E-11	6.78E-10
2631	741210.67	4109532.45	2.66E-09	4.84E-09	2.66E-10	7.77E-09	4.12E-10	7.94E-10	3.99E-11	1.25E-09	4.01E-10	6.83E-10	5.07E-11	1.14E-09	2.28E-10	3.77E-10	1.25E-11	6.17E-10
2632	741234.46	4109498.29	2.45E-09	4.47E-09	2.45E-10	7.17E-09	3.80E-10	7.33E-10	3.68E-11	1.15E-09	3.70E-10	6.30E-10	4.67E-11	1.05E-09	2.10E-10	3.48E-10	1.15E-11	5.69E-10
2633	741258.25	4109464.12	2.30E-09	4.19E-09	2.30E-10	6.71E-09	3.56E-10	6.86E-10	3.45E-11	1.08E-09	3.46E-10	5.91E-10	4.38E-11	9.81E-10	1.97E-10	3.26E-10	1.08E-11	5.33E-10
2634	741282.04	4109429.96	2.19E-09	3.98E-09	2.19E-10	6.39E-09	3.39E-10	6.53E-10	3.28E-11	1.02E-09	3.29E-10	5.62E-10	4.16E-11	9.33E-10	1.87E-10	3.10E-10	1.03E-11	5.07E-10
2635	741305.83	4109395.8	2.10E-09	3.83E-09	2.10E-10	6.13E-09	3.26E-10	6.27E-10	3.15E-11	9.84E-10	3.17E-10	5.40E-10	4.00E-11	8.96E-10	1.80E-10	2.98E-10	9.86E-12	4.87E-10
2636	741329.62	4109361.63	2.03E-09	3.70E-09	2.03E-10	5.93E-09	3.15E-10	6.06E-10	3.05E-11	9.51E-10	3.06E-10	5.22E-10	3.87E-11	8.66E-10	1.74E-10	2.88E-10	9.54E-12	4.71E-10
2637	741353.41	4109327.47	1.97E-09	3.58E-09	1.97E-10	5.75E-09	3.05E-10	5.88E-10	2.95E-11	9.22E-10	2.97E-10	5.06E-10	3.75E-11	8.40E-10	1.69E-10	2.79E-10	9.24E-12	4.57E-10
2638	741377.2	4109293.31	1.90E-09	3.47E-09	1.91E-10	5.57E-09	2.95E-10	5.69E-10	2.86E-11	8.93E-10	2.87E-10	4.90E-10	3.63E-11	8.13E-10	1.63E-10	2.70E-10	8.95E-12	4.42E-10
2639	741400.99	4109259.15	1.84E-09	3.35E-09	1.84E-10	5.37E-09	2.85E-10	5.49E-10	2.76E-11	8.62E-10	2.77E-10	4.73E-10	3.50E-11	7.85E-10	1.58E-10	2.61E-10	8.64E-12	4.27E-10
2640	741424.78	4109224.98	1.77E-09	3.22E-09	1.77E-10	5.17E-09	2.74E-10	5.28E-10	2.65E-11	8.29E-10	2.67E-10	4.54E-10	3.37E-11	7.55E-10	1.51E-10	2.51E-10	8.31E-12	4.10E-10
2641	741448.57	4109190.82	1.69E-09	3.09E-09	1.69E-10	4.95E-09	2.63E-10	5.06E-10	2.54E-11	7.94E-10	2.55E-10	4.35E-10	3.23E-11	7.23E-10	1.45E-10	2.40E-10	7.96E-12	3.93E-10
2642	741210.71	4110414.77	4.90E-09	8.93E-09	4.90E-10	1.43E-08	7.60E-10	1.46E-09	7.36E-11	2.30E-09	7.39E-10	1.26E-09	9.34E-11	2.09E-09	4.20E-10	6.95E-10	2.30E-11	1.14E-09
2643	741233.59	4110450.77	5.01E-09	9.13E-09	5.01E-10	1.46E-08	7.77E-10	1.50E-09	7.52E-11	2.35E-09	7.55E-10	1.29E-09	9.54E-11	2.14E-09	4.29E-10	7.10E-10	2.35E-11	1.16E-09
2644	741026.84	4110483.41	3.50E-09	6.38E-09	3.50E-10	1.02E-08	5.43E-10	1.05E-09	5.25E-11	1.64E-09	5.28E-10	9.00E-10	6.67E-11	1.49E-09	3.00E-10	4.96E-10	1.64E-11	8.13E-10
2645	741019.54	4110442.07	3.53E-09	6.44E-09	3.54E-10	1.03E-08	5.48E-10	1.06E-09	5.31E-11	1.66E-09	5.33E-10	9.09E-10	6.74E-11	1.51E-09	3.03E-10	5.01E-10	1.66E-11	8.21E-10
2646	741012.24	4110400.74	3.59E-09	6.54E-09	3.59E-10	1.05E-08	5.56E-10	1.07E-09	5.38E-11	1.68E-09	5.41E-10	9.22E-10	6.84E-11	1.53E-09	3.07E-10	5.09E-10	1.69E-11	8.33E-10
2647	741004.94	4110359.4	3.66E-09	6.68E-09	3.67E-10	1.07E-08	5.68E-10	1.09E-09	5.50E-11	1.72E-09	5.52E-10	9.42E-10	6.98E-11	1.56E-09	3.14E-10	5.19E-10	1.72E-11	8.51E-10
2648	740997.64	4110318.06	3.78E-09	6.90E-09	3.79E-10	1.11E-08	5.87E-10	1.13E-09	5.68E-11	1.77E-09	5.71E-10	9.73E-10	7.21E-11	1.62E-09	3.24E-10	5.37E-10	1.78E-11	8.79E-10
2649	740990.34	4110276.72	3.97E-09	7.23E-09	3.97E-10	1.16E-08	6.16E-10	1.19E-09	5.96E-11	1.86E-09	5.99E-10	1.02E-09	7.57E-11	1.69E-09	3.40E-10	5.63E-10	1.87E-11	9.22E-10
2650	740983.04	4110235.39	4.22E-09	7.69E-09	4.22E-10	1.23E-08	6.54E-10	1.26E-09	6.33E-11	1.98E-09	6.36E-10	1.08E-09	8.04E-11	1.80E-09	3.61E-10	5.98E-10	1.98E-11	9.79E-10
2651	740975.74	4110194.05	4.49E-09	8.18E-09	4.49E-10	1.31E-08	6.96E-10	1.34E-09	6.74E-11	2.10E-09	6.77E-10	1.15E-09	8.55E-11	1.92E-09	3.85E-10	6.36E-10	2.11E-11	1.04E-09
2652	740968.44	4110152.71	4.70E-09	8.57E-09	4.71E-10	1.37E-08	7.29E-10	1.41E-09	7.06E-11	2.21E-09	7.09E-10	1.21E-09	8.96E-11	2.01E-09	4.03E-10	6.67E-10	2.21E-11	1.09E-09
2653	740961.14	4110111.37	4.79E-09	8.73E-09	4.80E-10	1.40E-08	7.43E-10	1.43E-09	7.19E-11	2.25E-09	7.23E-10	1.23E-09	9.13E-11	2.05E-09	4.11E-10	6.80E-10	2.25E-11	1.11E-09
2654	740953.84	4110070.04	4.73E-09	8.62E-09	4.73E-10	1.38E-08	7.34E-10	1.41E-09	7.10E-11	2.22E-09	7.13E-10	1.22E-09	9.01E-11	2.02E-09	4.05E-10	6.71E-10	2.22E-11	1.10E-09
2655	740946.55	4110028.7	4.54E-09	8.27E-09	4.54E-10	1.33E-08	7.04E-10	1.36E-09	6.81E-11	2.13E-09	6.85E-10	1.17E-09	8.65E-11	1.94E-09	3.89E-10	6.44E-10	2.13E-11	1.05E-09
2656	740939.25	4109987.36	4.28E-09	7.80E-09	4.29E-10	1.25E-08	6.64E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.16E-11	1.83E-09	3.67E-10	6.07E-10	2.01E-11	9.94E-10
2657	740931.95	4109946.02	4.02E-09	7.33E-09	4.02E-10	1.17E-08	6.23E-10	1.20E-09	6.03E-11	1.88E-09	6.06E-10	1.03E-09	7.66E-11	1.72E-09	3.45E-10	5.70E-10	1.89E-11	9.33E-10
2658	740924.65	4109904.69	3.80E-09	6.92E-09	3.80E-10	1.11E-08	5.89E-10	1.13E-09	5.70E-11	1.78E-09	5.72E-10	9.76E-10	7.23E-11	1.62E-09	3.25E-10	5.38E-10	1.78E-11	8.81E-10
2659	740917.35	4109863.35	3.62E-09	6.60E-09	3.62E-10	1.06E-08	5.62E-10	1.08E-09	5.44E-11	1.70E-09	5.46E-10	9.31E-10	6.90E-11	1.55E-09	3.10E-10	5.14E-10	1.70E-11	8.41E-10
2660	740910.05	4109822.01	3.49E-09	6.36E-09	3.49E-10	1.02E-08	5.41E-10	1.04E-09	5.24E-11	1.64E-09	5.26E-10	8.97E-10	6.65E-11	1.49E-09	2.99E-10	4.95E-10	1.64E-11	8.10E-10
2661	740902.75	4109780.67	3.38E-09	6.15E-09	3.38E-10	9.86E-09	5.23E-10	1.01E-09	5.07E-11	1.58E-09	5.09E-10	8.68E-10	6.43E-11	1.44E-09	2.89E-10	4.79E-10	1.59E-11	7.84E-10
2662	740895.45	4109739.34	3.25E-09	5.93E-09	3.25E-10	9.50E-09	5.04E-10	9.72E-10	4.88E-11	1.52E-09	4.90E-10	8.36E-10	6.20E-11	1.39E-09	2.79E-10	4.61E-10	1.53E-11	7.55E-10
2663	740888.15	4109698	3.11E-09	5.66E-09	3.11E-10	9.08E-09	4.82E-10	9.28E-10	4.66E-11	1.46E-09	4.68E-10	7.99E-10	5.92E-11	1.33E-09	2.66E-10	4.40E-10	1.46E-11	7.21E-10
2664	740896.49	4109660.11	2.99E-09	5.45E-09	2.99E-10	8.73E-09	4.63E-10	8.93E-10	4.49E-11	1.40E-09	4.51E-10	7.68E-10	5.69E-11	1.28E-09	2.56E-10	4.24E-10	1.40E-11	6.94E-10
2665	740920.48	4109625.66	2.89E-09	5.26E-09	2.89E-10	8.43E-09	4.47E-10	8.62E-10	4.33E-11	1.35E-09	4.35E-10	7.42E-10	5.50E-11	1.23E-09	2.47E-10	4.09E-10	1.36E-11	6.70E-10
2666	740944.47	4109591.21	2.74E-09	4.99E-09	2.74E-10	8.01E-09	4.25E-10	8.19E-10	4.11E-11	1.28E-09	4.13E-10	7.05E-10	5.22E-11	1.17E-09	2.35E-10	3.89E-10	1.29E-11	6.36E-10
2667	740968.46	4109556.76	2.57E-09	4.68E-09	2.57E-10	7.51E-09	3.99E-10	7.68E-10	3.86E-11	1.20E-09	3.88E-10	6.61E-10	4.90E-11	1.10E-09	2.20E-10	3.64E-10	1.21E-11	5.97E-10
2668	740992.45	4109522.32	2.38E-09	4.34E-09	2.39E-10	6.97E-09	3.70E-10	7.12E-10	3.58E-11	1.12E-09	3.59E-10	6.13E-10	4.54E-11	1.02E-09	2.04E-10	3.38E-10	1.12E-11	5.53E-10
2669	741016.44	4109487.87	2.19E-09	3.99E-09	2.19E-10	6.40E-09	3.40E-10	6.55E-10	3.29E-11	1.03E-09	3.30E-10	5.63E-10	4.18E-11	9.36E-10	1.88E-10	3.11E-10	1.03E-11	5.09E-10
2670	741040.43	4109453.42	2.01E-09	3.66E-09	2.01E-10	5.87E-09	3.12E-10	6.00E-10	3.02E-11	9.42E-10	3.03E-10	5.17E-10	3.83E-11	8.58E-10	1.72E-10	2.85E-10	9.44E-12	4.67E-10
2671	741064.41	4109418.97	1.85E-09	3.38E-09	1.86E-10	5.42E-09	2.88E-10	5.54E-10	2.78E-11	8.69E-10	2.80E-10	4.77E-10	3.53E-11	7.92E-10	1.59E-10	2.63E-10	8.71E-12	4.31E-10
2672	741088.4	4109384.53	1.73E-09	3.15E-09	1.73E-10	5.06E-09	2.69E-10	5.17E-10	2.60E-11	8.12E-10	2.61E-10	4.45E-10	3.30E-11	7.39E-10	1.48E-10	2.45E-10	8.14E-12	4.02E-10
2673	741112.39	4109350.08	1.64E-09	2.99E-09	1.64E-10	4.79E-09	2.54E-10	4.90E-10	2.46E-11	7.69E-10	2.47E-10	4.22E-10	3.13E-11	7.00E-10	1.41E-10	2.33E-10	7.71E-12	3.81E-10
2674	741136.38	4109315.63	1.58E-09	2.87E-09	1.58E-10	4.60E-09	2.44E-10	4.71E-10	2.36E-11	7.39E-10	2.38E-10	4.05E-10	3.00E-11	6.73E-10	1.35E-10	2.23E-10	7.41E-12	3.66E-10
2675	741160.37	4109281.19	1.53E-09	2.79E-09	1.53E-10	4.48E-09	2.38E-10	4.58E-10	2.30E-11	7.18E-10	2.31E-10	3.94E-10	2.92E-11	6.54E-10	1.31E-10	2.17E-10	7.20E-12	3.56E-10
2676	741184.36	4109246.74	1.50E-09	2.74E-09	1.50E-10	4.39E-09	2.33E-10	4.49E-10	2.26E-11	7.05E-10	2.27E-10	3.86E-10	2.86E-11	6.42E-10	1.29E-10	2.13E-10	7.06E-12	3.49E-10
2677	741208.35	4109212.29	1.48E-09	2.70E-09	1.48E-10	4.33E-09	2.30E-10	4.43E-10	2.22E-11	6.95E-10	2.23E-10	3.81E-10	2.82E-11	6.33E-10	1.27E-10	2.10E-10	6.96E-12	3.44E-10
2678	741232.33	4109177.84	1.46E-09	2.66E-09	1.46E-10	4.27E-09	2.26E-10	4.36E-10	2.19E-11	6.85E-10	2.20E-10	3.75E-10	2.78E-11	6.23E-10	1.25E-10	2.07E-10	6.86E-12	3.39E-10
2679	741256.32	4109143.4	1.43E-09	2.61E-09	1.43E-10	4.18E-09	2.22E-10	4.27E-10	2.15E-11	6.71E-10	2.16E-10	3.68E-10	2.73E-11	6.11E-10	1.23E-10	2.03E-10	6.72E-12	3.32E-10
2680	741280.31	4109108.95	1.39E-09	2.53E-09	1.39E-10	4.06E-09	2.16E-10	4.16E-10	2.09E-11	6.52E-10	2.10E-10	3.58E-10	2.65E-11	5.94E-10	1.19E-10	1.97E-10	6.54E-12	3.23E-10
2681	741304.3	4109074.5	1.34E-09	2.45E-09	1.34E-10	3.92E-09	2.08E-10	4.01E-10	2.01E-11	6.29E-10	2.02E-10	3.45E-10	2.56E-11	5.73E-10	1.15E-10	1.90E-10	6.31E-12	3.12E-10
2682	741328.29	4109040.05	1.29E-09	2.35E-09	1.29E-10	3.76E-09	2.00E-10	3.85E-10	1.93E-11	6.04E-10	1.94E-10	3.31E-10	2.45E-11	5.50E-10	1.10E-10	1.83E-10	6.05E-12	2.99E-10
2683	741041.93	4110522.08	3.52E-09	6.42E-09	3.52E-10	1.03E-08	5.46E-10	1.05E-09	5.28E-11	1.65E-09	5.31E-10	9.05E-10	6.71E-11	1.50E-09	3.02E-10	4.99E-10	1.65E-11	8.18E-10
2684	741064.82	4110558.07	3.59E-09	6.54E-09	3.59E-10	1.05E-08	5.56E-10	1.07E-09	5.38E-11	1.68E-09	5.41E-10	9.22E-10	6.84E-11	1.53E-09	3.07E-10	5.09E-10	1.69E-11	8.33E-10

2685	740858.04	4110590.6	2.67E-09	4.87E-09	2.67E-10	7.80E-09	4.14E-10	7.98E-10	4.01E-11	1.25E-09	4.03E-10	6.86E-10	5.09E-11	1.14E-09	2.29E-10	3.79E-10	1.25E-11	6.20E-10
2686	740850.7	4110549.02	2.69E-09	4.89E-09	2.69E-10	7.85E-09	4.16E-10	8.02E-10	4.03E-11	1.26E-09	4.05E-10	6.90E-10	5.12E-11	1.15E-09	2.30E-10	3.81E-10	1.26E-11	6.24E-10
2687	740843.36	4110507.44	2.71E-09	4.94E-09	2.71E-10	7.92E-09	4.21E-10	8.10E-10	4.07E-11	1.27E-09	4.09E-10	6.97E-10	5.17E-11	1.16E-09	2.32E-10	3.84E-10	1.27E-11	6.30E-10
2688	740836.02	4110465.86	2.75E-09	5.01E-09	2.75E-10	8.03E-09	4.26E-10	8.21E-10	4.13E-11	1.29E-09	4.15E-10	7.07E-10	5.24E-11	1.17E-09	2.36E-10	3.90E-10	1.29E-11	6.38E-10
2689	740828.67	4110424.29	2.80E-09	5.10E-09	2.80E-10	8.17E-09	4.34E-10	8.36E-10	4.20E-11	1.31E-09	4.22E-10	7.19E-10	5.33E-11	1.19E-09	2.40E-10	3.97E-10	1.31E-11	6.50E-10
2690	740821.33	4110382.71	2.87E-09	5.22E-09	2.87E-10	8.37E-09	4.44E-10	8.56E-10	4.30E-11	1.34E-09	4.32E-10	7.37E-10	5.46E-11	1.22E-09	2.46E-10	4.06E-10	1.35E-11	6.65E-10
2691	740813.99	4110341.13	2.97E-09	5.41E-09	2.97E-10	8.68E-09	4.61E-10	8.87E-10	4.46E-11	1.39E-09	4.48E-10	7.64E-10	5.66E-11	1.27E-09	2.55E-10	4.21E-10	1.40E-11	6.90E-10
2692	740806.65	4110299.55	3.13E-09	5.69E-09	3.13E-10	9.13E-09	4.85E-10	9.34E-10	4.69E-11	1.47E-09	4.71E-10	8.03E-10	5.95E-11	1.33E-09	2.68E-10	4.43E-10	1.47E-11	7.26E-10
2693	740799.31	4110257.98	3.32E-09	6.05E-09	3.32E-10	9.70E-09	5.15E-10	9.92E-10	4.98E-11	1.56E-09	5.01E-10	8.54E-10	6.33E-11	1.42E-09	2.85E-10	4.71E-10	1.56E-11	7.71E-10
2694	740791.96	4110216.4	3.52E-09	6.42E-09	3.52E-10	1.03E-08	5.46E-10	1.05E-09	5.29E-11	1.65E-09	5.31E-10	9.05E-10	6.71E-11	1.50E-09	3.02E-10	4.99E-10	1.66E-11	8.18E-10
2695	740784.62	4110174.82	3.68E-09	6.70E-09	3.68E-10	1.07E-08	5.70E-10	1.10E-09	5.52E-11	1.72E-09	5.55E-10	9.45E-10	7.01E-11	1.57E-09	3.15E-10	5.21E-10	1.73E-11	8.54E-10
2696	740777.28	4110133.24	3.75E-09	6.83E-09	3.75E-10	1.09E-08	5.81E-10	1.12E-09	5.62E-11	1.76E-09	5.65E-10	9.63E-10	7.14E-11	1.60E-09	3.21E-10	5.31E-10	1.76E-11	8.70E-10
2697	740769.94	4110091.67	3.71E-09	6.76E-09	3.71E-10	1.08E-08	5.76E-10	1.11E-09	5.57E-11	1.74E-09	5.60E-10	9.54E-10	7.07E-11	1.58E-09	3.18E-10	5.26E-10	1.74E-11	8.62E-10
2698	740762.6	4110050.09	3.59E-09	6.54E-09	3.59E-10	1.05E-08	5.57E-10	1.07E-09	5.39E-11	1.68E-09	5.41E-10	9.23E-10	6.84E-11	1.53E-09	3.08E-10	5.09E-10	1.69E-11	8.34E-10
2699	740755.26	4110008.51	3.41E-09	6.22E-09	3.41E-10	9.97E-09	5.29E-10	1.02E-09	5.12E-11	1.60E-09	5.15E-10	8.77E-10	6.50E-11	1.46E-09	2.92E-10	4.84E-10	1.60E-11	7.92E-10
2700	740747.91	4109966.94	3.22E-09	5.86E-09	3.22E-10	9.40E-09	4.99E-10	9.61E-10	4.83E-11	1.51E-09	4.85E-10	8.27E-10	6.13E-11	1.37E-09	2.76E-10	4.56E-10	1.51E-11	7.47E-10
2701	740740.57	4109925.36	3.03E-09	5.53E-09	3.03E-10	8.86E-09	4.70E-10	9.06E-10	4.55E-11	1.42E-09	4.57E-10	7.80E-10	5.78E-11	1.29E-09	2.60E-10	4.30E-10	1.43E-11	7.04E-10
2702	740733.23	4109883.78	2.88E-09	5.25E-09	2.88E-10	8.42E-09	4.47E-10	8.61E-10	4.32E-11	1.35E-09	4.34E-10	7.40E-10	5.49E-11	1.23E-09	2.47E-10	4.08E-10	1.35E-11	6.69E-10
2703	740725.89	4109842.2	2.77E-09	5.05E-09	2.77E-10	8.09E-09	4.29E-10	8.27E-10	4.16E-11	1.30E-09	4.18E-10	7.12E-10	5.28E-11	1.18E-09	2.37E-10	3.93E-10	1.30E-11	6.43E-10
2704	740718.55	4109800.63	2.69E-09	4.91E-09	2.69E-10	7.87E-09	4.17E-10	8.04E-10	4.04E-11	1.26E-09	4.06E-10	6.92E-10	5.13E-11	1.15E-09	2.31E-10	3.82E-10	1.27E-11	6.25E-10
2705	740711.21	4109759.05	2.63E-09	4.80E-09	2.64E-10	7.70E-09	4.08E-10	7.87E-10	3.95E-11	1.23E-09	3.97E-10	6.77E-10	5.02E-11	1.12E-09	2.26E-10	3.73E-10	1.24E-11	6.11E-10
2706	740703.86	4109717.47	2.58E-09	4.69E-09	2.58E-10	7.53E-09	3.99E-10	7.69E-10	3.87E-11	1.21E-09	3.88E-10	6.62E-10	4.91E-11	1.10E-09	2.21E-10	3.65E-10	1.21E-11	5.98E-10
2707	740696.52	4109675.89	2.50E-09	4.56E-09	2.50E-10	7.32E-09	3.88E-10	7.48E-10	3.76E-11	1.17E-09	3.78E-10	6.44E-10	4.77E-11	1.07E-09	2.15E-10	3.55E-10	1.18E-11	5.81E-10
2708	740701.24	4109616.99	2.39E-09	4.36E-09	2.39E-10	6.99E-09	3.71E-10	7.14E-10	3.59E-11	1.12E-09	3.61E-10	6.15E-10	4.56E-11	1.02E-09	2.05E-10	3.39E-10	1.12E-11	5.55E-10
2709	740725.37	4109582.35	2.33E-09	4.24E-09	2.33E-10	6.81E-09	3.61E-10	6.96E-10	3.50E-11	1.09E-09	3.51E-10	5.99E-10	4.44E-11	9.94E-10	2.00E-10	3.30E-10	1.09E-11	5.41E-10
2710	740749.5	4109547.7	2.24E-09	4.07E-09	2.24E-10	6.53E-09	3.47E-10	6.68E-10	3.36E-11	1.05E-09	3.37E-10	5.75E-10	4.26E-11	9.54E-10	1.92E-10	3.17E-10	1.05E-11	5.19E-10
2711	740773.63	4109513.05	2.12E-09	3.86E-09	2.12E-10	6.19E-09	3.29E-10	6.33E-10	3.18E-11	9.94E-10	3.20E-10	5.45E-10	4.04E-11	9.05E-10	1.82E-10	3.00E-10	9.96E-12	4.92E-10
2712	740797.75	4109478.4	1.99E-09	3.63E-09	1.99E-10	5.82E-09	3.09E-10	5.95E-10	2.99E-11	9.33E-10	3.00E-10	5.12E-10	3.79E-11	8.50E-10	1.71E-10	2.82E-10	9.35E-12	4.62E-10
2713	740821.88	4109443.76	1.86E-09	3.38E-09	1.86E-10	5.42E-09	2.88E-10	5.54E-10	2.78E-11	8.70E-10	2.80E-10	4.77E-10	3.54E-11	7.92E-10	1.59E-10	2.63E-10	8.72E-12	4.31E-10
2714	740846.01	4109409.11	1.72E-09	3.14E-09	1.72E-10	5.03E-09	2.67E-10	5.14E-10	2.58E-11	8.07E-10	2.59E-10	4.42E-10	3.28E-11	7.35E-10	1.47E-10	2.44E-10	8.09E-12	3.99E-10
2715	740870.14	4109374.46	1.59E-09	2.90E-09	1.59E-10	4.65E-09	2.47E-10	4.76E-10	2.39E-11	7.46E-10	2.40E-10	4.09E-10	3.03E-11	6.80E-10	1.36E-10	2.26E-10	7.48E-12	3.70E-10
2716	740894.27	4109339.82	1.48E-09	2.69E-09	1.48E-10	4.31E-09	2.29E-10	4.41E-10	2.22E-11	6.92E-10	2.23E-10	3.79E-10	2.81E-11	6.30E-10	1.26E-10	2.09E-10	6.94E-12	3.43E-10
2717	740918.39	4109305.17	1.38E-09	2.51E-09	1.38E-10	4.03E-09	2.14E-10	4.12E-10	2.07E-11	6.46E-10	2.08E-10	3.54E-10	2.62E-11	5.88E-10	1.18E-10	1.95E-10	6.47E-12	3.20E-10
2718	740942.52	4109270.52	1.30E-09	2.37E-09	1.30E-10	3.79E-09	2.01E-10	3.88E-10	1.95E-11	6.09E-10	1.96E-10	3.34E-10	2.47E-11	5.54E-10	1.11E-10	1.84E-10	6.10E-12	3.01E-10
2719	740966.65	4109235.87	1.24E-09	2.26E-09	1.24E-10	3.62E-09	1.92E-10	3.70E-10	1.86E-11	5.81E-10	1.87E-10	3.19E-10	2.36E-11	5.29E-10	1.06E-10	1.76E-10	5.82E-12	2.88E-10
2720	740990.78	4109201.23	1.20E-09	2.18E-09	1.20E-10	3.50E-09	1.86E-10	3.58E-10	1.80E-11	5.62E-10	1.81E-10	3.08E-10	2.28E-11	5.12E-10	1.03E-10	1.70E-10	5.63E-12	2.78E-10
2721	741014.9	4109166.58	1.17E-09	2.14E-09	1.17E-10	3.43E-09	1.82E-10	3.50E-10	1.76E-11	5.50E-10	1.77E-10	3.01E-10	2.23E-11	5.01E-10	1.00E-10	1.66E-10	5.51E-12	2.72E-10
2722	741039.03	4109131.93	1.16E-09	2.11E-09	1.16E-10	3.39E-09	1.80E-10	3.47E-10	1.74E-11	5.44E-10	1.75E-10	2.98E-10	2.21E-11	4.95E-10	9.94E-11	1.65E-10	5.45E-12	2.69E-10
2723	741063.16	4109097.28	1.16E-09	2.11E-09	1.16E-10	3.38E-09	1.79E-10	3.45E-10	1.73E-11	5.42E-10	1.74E-10	2.97E-10	2.20E-11	4.93E-10	9.90E-11	1.64E-10	5.43E-12	2.68E-10
2724	741087.29	4109062.64	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.44E-10	1.73E-11	5.40E-10	1.74E-10	2.96E-10	2.20E-11	4.92E-10	9.88E-11	1.63E-10	5.42E-12	2.68E-10
2725	741111.42	4109027.99	1.15E-09	2.09E-09	1.15E-10	3.35E-09	1.78E-10	3.42E-10	1.72E-11	5.37E-10	1.73E-10	2.94E-10	2.18E-11	4.89E-10	9.81E-11	1.62E-10	5.38E-12	2.66E-10
2726	741135.54	4108993.34	1.13E-09	2.06E-09	1.13E-10	3.30E-09	1.75E-10	3.37E-10	1.69E-11	5.29E-10	1.70E-10	2.90E-10	2.15E-11	4.82E-10	9.68E-11	1.60E-10	5.31E-12	2.62E-10
2727	741159.67	4108958.7	1.10E-09	2.01E-09	1.10E-10	3.22E-09	1.71E-10	3.29E-10	1.65E-11	5.17E-10	1.66E-10	2.83E-10	2.10E-11	4.71E-10	9.45E-11	1.56E-10	5.18E-12	2.56E-10
2728	741183.8	4108924.05	1.07E-09	1.94E-09	1.07E-10	3.12E-09	1.65E-10	3.19E-10	1.60E-11	5.00E-10	1.61E-10	2.74E-10	2.03E-11	4.55E-10	9.14E-11	1.51E-10	5.01E-12	2.48E-10
2729	741207.93	4108889.4	1.02E-09	1.87E-09	1.02E-10	2.99E-09	1.59E-10	3.06E-10	1.54E-11	4.80E-10	1.54E-10	2.63E-10	1.95E-11	4.37E-10	8.77E-11	1.45E-10	4.81E-12	2.38E-10
2730	741232.05	4108854.75	9.79E-10	1.78E-09	9.80E-11	2.86E-09	1.52E-10	2.93E-10	1.47E-11	4.59E-10	1.48E-10	2.52E-10	1.87E-11	4.18E-10	8.39E-11	1.39E-10	4.60E-12	2.27E-10
2731	740873.15	4110629.38	2.69E-09	4.90E-09	2.69E-10	7.86E-09	4.17E-10	8.04E-10	4.04E-11	1.26E-09	4.06E-10	6.91E-10	5.13E-11	1.15E-09	2.30E-10	3.81E-10	1.26E-11	6.25E-10
2732	740896.04	4110665.38	2.73E-09	4.98E-09	2.74E-10	7.99E-09	4.24E-10	8.17E-10	4.10E-11	1.28E-09	4.12E-10	7.03E-10	5.21E-11	1.17E-09	2.34E-10	3.88E-10	1.28E-11	6.35E-10
2733	740689.25	4110697.81	2.13E-09	3.88E-09	2.13E-10	6.23E-09	3.31E-10	6.37E-10	3.20E-11	9.99E-10	3.21E-10	5.48E-10	4.06E-11	9.10E-10	1.83E-10	3.02E-10	1.00E-11	4.95E-10
2734	740681.88	4110656.06	2.14E-09	3.90E-09	2.14E-10	6.25E-09	3.32E-10	6.39E-10	3.21E-11	1.00E-09	3.22E-10	5.50E-10	4.07E-11	9.13E-10	1.83E-10	3.03E-10	1.00E-11	4.96E-10
2735	740674.5	4110614.3	2.15E-09	3.92E-09	2.15E-10	6.29E-09	3.34E-10	6.43E-10	3.23E-11	1.01E-09	3.24E-10	5.53E-10	4.10E-11	9.19E-10	1.84E-10	3.05E-10	1.01E-11	5.00E-10
2736	740667.13	4110572.55	2.17E-09	3.96E-09	2.17E-10	6.35E-09	3.37E-10	6.49E-10	3.26E-11	1.02E-09	3.28E-10	5.58E-10	4.14E-11	9.27E-10	1.86E-10	3.08E-10	1.02E-11	5.04E-10
2737	740659.76	4110530.79	2.20E-09	4.01E-09	2.20E-10	6.43E-09	3.41E-10	6.57E-10	3.30E-11	1.03E-09	3.32E-10	5.66E-10	4.19E-11	9.39E-10	1.88E-10	3.12E-10	1.03E-11	5.11E-10
2738	740652.38	4110489.04	2.23E-09	4.07E-09	2.23E-10	6.52E-09	3.46E-10	6.67E-10	3.35E-11	1.05E-09	3.37E-10	5.74E-10	4.25E-11	9.53E-10	1.91E-10	3.17E-10	1.05E-11	5.18E-10
2739	740645.01	4110447.28	2.27E-09	4.14E-09	2.28E-10	6.64E-09	3.53E-10	6.79E-10	3.41E-11	1.07E-09	3.43E-10	5.85E-10	4.33E-11	9.71E-10	1.95E-10	3.22E-10	1.07E-11	5.28E-10
2740	740637.64	4110405.53	2.33E-09	4.25E-09	2.34E-10	6.82E-09	3.62E-10	6.98E-10	3.50E-11	1.09E-09	3.52E-10	6.00E-10	4.45E-11	9.97E-10	2.00E-10	3.31E-10	1.10E-11	5.42E-10
2741	740630.26	4110363.77	2.43E-09	4.43E-09	2.43E-10	7.10E-09	3.77E-10	7.26E-10	3.65E-11	1.14E-09	3.66E-10	6.25E-10	4.63E-11	1.04E-09	2.08E-10	3.44E-10	1.14E-11	5.64E-10
2742	740622.89	4110322.02	2.56E-09	4.67E-09	2.56E-10	7.49E-09	3.97E-10	7.65E-10	3.84E-11	1.20E-09	3.86E-10	6.58E-10	4.88E-11	1.09E-09	2.19E-10	3.63E-10	1.20E-11	5.95E-10
2743	740615.52	4110280.26	2.72E-09	4.95E-09	2.72E-10	7.94E-09	4.22E-10	8.12E-10	4.08E-11	1.27E-09	4.10E-10	6.99E-10	5.18E-11	1.16E-09	2.33E-10	3.85E-10	1.28E-11	6.31E-10
2744	740608.14	4110238.51	2.87E-09	5.23E-09	2.87E-10	8.39E-09	4.45E-10	8.58E-10	4.31E-11	1.35E-09	4.33E-10	7.38E-10	5.47E-11	1.23E-09	2.46E-10	4.07E-10	1.35E-11	6.67E-10
2745	740600.77	4110196.75	2.99E-09	5.44E-09	2.99E-10	8.73E-09	4.63E-10	8.92E-10	4.48E-11	1.40E-09	4.50E-10	7.68E-10	5.69E-11	1.27E-09	2.56E-10	4.23E-10	1.40E-11	6.93E-10
2746	740593.4	4110155	3.04E-09	5.54E-09	3.04E-10	8.88E-09	4.71E-10	9.08E-10	4.56E-11	1.42E-09	4.58E-10	7.81E-10	5.79E-11	1.30E-09	2.60E-10	4.31E-10	1.43E-11	7.05E-10
2747	740586.02	4110113.24	3.02E-09	5.50E-09	3.02E-10	8.82E-09	4.68E-10	9.01E-10	4.53E-11	1.41E-09	4.55E-10	7.76E-10	5.75E-11	1.29E-09	2.59E-10	4.28E-10	1.42E-11	7.01E-10
2748	740578.65	4110071.49	2.93E-09	5.34E-09	2.93E-10	8.57E-09	4.55E-10	8.76E-10	4.40E-11	1.37E-09	4.42E-10	7.54E-10	5.59E-11	1.25E-09	2.51E-10	4.16E-10	1.38E-11	6.81E-10
2749	740571.28	4110029.73	2.81E-09	5.11E-09	2.81E-10	8.20E-09	4.35E-10	8.38E-10	4.21E-11	1.32E-09	4.23E-10	7.21E-10	5.35E-11	1.20E-09	2.40E-10	3.98E-10	1.32E-11	6.51E-10
2750	740563.9	4109987.98	2.66E-09	4.85E-09	2.66E-10	7.77E-09	4.12E-10	7.95E-10	3.99E-11	1.25E-09	4.01E-10	6.84E-10	5.07E-11	1.14E-09	2.28E-10	3.77E-10	1.25E-11	6.18E-10
2751	740556.53	4109946.22	2.51E-09	4.58E-09	2.52E-10	7.35E-09	3.90E-10	7.51E-10	3.77E-11	1.18E-09	3.79E-10	6.46E-10	4.79E-11	1.07E-09	2.15E-10	3.56E-10	1.18E-11	5.84E-10
2752	740549.16	4109904.47	2.38E-09	4.34E-09	2.39E-10	6.97E-09	3.70E-10	7.12E-10	3.58E-11	1.12E-09	3.60E-10	6.13E-10	4.54E-11	1.02E-09	2.04E-10	3.38E-10	1.12E-11	5.54E-10
2753	740541.79	4109862.71	2.28E-09	4.15E-09	2.28E-10	6.66E-09	3.54E-10	6.81E-10	3.42E-11	1.07E-09	3.44E-10	5.86E-10	4.34E-11	9.73E-10	1.95E-10	3.23E-10	1.07E-11	5.29E-10
2754	740534.41	4109820.96	2.20E-09	4.02E-09	2.21E-10	6.44E-09	3.42E-10	6.58E-10	3.31E-11	1.03E-09	3.32E-10	5.67E-10	4.20E-11	9.41E-10	1.89E-10	3.13E-10	1.04E-11	5.12E-10
2755	740527.04	4109779.2	2.15E-09	3.93E-09	2.16E-10	6.30E-09	3.34E-10	6.44E-10	3.23E-11	1.01E-09	3.25E-10	5.54E-10	4.11E-11	9.20E-10	1.85E-10	3.06E-10	1.01E-11	5.00E-10
2756	740519.67	4109737.45	2.12E-09	3.87E-09	2.12E-10	6.20E-09	3.29E-10	6.34E-10	3.19E-11	9.95E-10	3.20E-10	5.46E-10	4.04E-11	9.06E-10	1.82E-10	3.01E-10	9.97E-12	4.93E-10
2757	740512.29	4109695.69	2.09E-09	3.82E-09	2.10E-10	6.12E-09	3.25E-10	6.26E-10	3.14E-11	9.82E-10	3.16E-10	5.38E-10	3.99E-11	8.94E-10	1.79E-10	2.97E-10	9.84E-12	4.86E-10
2758	740504.92	4109653.94	2.06E-09	3.75E-09	2.06E-10	6.02E-09	3.19E-10	6.15E-10	3.09E-11	9.66E-10	3.11E-10	5.30E-10	3.93E-11	8.80E-10	1.77E-10	2.92E-10	9.68E-12	4.78E-10
2759	740497.55	4109612.18	2.01E-09	3.66E-09	2.01E-10	5.88E-09	3.12E-10	6.01E-10	3.02E-11	9.43E-10	3.03E-10	5.17E-10	3.83E-11	8.59E-10	1.72E-10	2.85E-10	9.45E-12	4.67E-10
2760	740505.98	4109573.91	1.97E-09	3.59E-09	1.97E-10	5.76E-09	3.06E-10	5.89E-10	2.96E-11	9.24E-10	2.97E-10	5.07E-10	3.76E-11	8.41E-10	1.69E-10	2.79E-10	9.26E-12	4.58E-10
2761	740530.21	4109539.11	1.93E-09	3.52E-09	1.93E-10	5.65E-09	3.00E-10	5.78E-10	2.90E-11	9.06E-10	2.92E-10	4.97E-10	3.68E-11	8.25E-10	1.66E-10	2.74E-10	9.09E-12	4.49E-10
2762	740554.44	4109504.32	1.87E-09	3.41E-09	1.87E-10	5.46E-09	2.90E-10	5.59E-10	2.81E-11	8.76E-10	2.82E-10	4.81E-10	3.56E-11	7.98E-10	1.60E-10	2.65E-10	8.79E-12	4.34E-10
2763	740578.67	4109469.52	1.79E-09	3.26E-09	1.79E-10	5.22E-09	2.77E-10	5.34E-10	2.68E-11	8.38E-10	2.69E-10	4.59E-10	3.40E-11	7.63E-10	1.53E-10	2.53E-10	8.40E-12	4.15E-10
2764	740602.9	4109434.73	1.69E-09	3.08E-09	1.69E-10	4.94E-09	2.62E-10	5.06E-10	2.54E-11	7.93E-10	2.55E-10	4.35E-10	3.22E-11	7.22E-10	1.45E-10	2.40E-10	7.95E-12	3.93E-10
2765	740627.13	4109399.93	1.59E-09	2.90E-09	1.59E-10	4.65E-09	2.47E-10	4.76E-10	2.39E-11	7.47E-10	2.40E-10	4.09E-10	3.03E-11	6.80E-10	1.36E-10	2.26E-10	7.48E-12	3.70E-10
2766	740651.36	4109365.13	1.49E-09	2.72E-09	1.49E-10	4.36E-09	2.31E-10	4.46E-10	2.24E-11	6.99E-10	2.25E-10	3.83E-10	2.84E-11	6.37E-10	1.28E-10	2.11E-10	7.01E-12	3.46E-10
2767	740675.59	4109330.34	1.39E-09	2.54E-09	1.40E-10	4.07E-09	2.16E-10	4.17E-10	2.09E-11	6.54E-10	2.10E-10	3.58E-10	2.66E-11	5.95E-10	1.19E-10	1.98E-10	6.55E-12	3.24E-10
2768	740699.82	4109295.54	1.30E-09	2.37E-09	1.30E-10	3.80E-09	2.02E-10	3.89E-10	1.95E-11	6.10E-10	1.96E-10	3.35E-10	2.48E-11	5.56E-10	1.12E-10	1.85E-10	6.12E-12	3.02E-10
2769	740724.05	4109260.75	1.22E-09	2.22E-09	1.22E-10	3.55E-09	1.89E-10	3.63E-10	1.82E-11	5.70E-10	1.83E-10	3.13E-10	2.32E-11	5.19E-10	1.04E-10	1.72E-10	5.71E-12	2.82E-10
2770	740748.28	4109225.95	1.14E-09	2.07E-09	1.14E-10	3.33E-09	1.77E-10	3.40E-10	1.71E-11	5.34E-10	1.72E-10	2.93E-10	2.17E-11	4.86E-10	9.75E-11	1.61E-10	5.35E-12	2.64E-10
2771	740772.51	4109191.16	1.07E-09	1.95E-09	1.07E-10	3.13E-09	1.66E-10	3.20E-10	1.61E-11	5.02E-10	1.62E-10	2.75E-10	2.04E-11	4.57E-10	9.18E-11	1.52E-10	5.03E-12	2.49E-10
2772	740796.75	4109156.36	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.53E-11	4.76E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.71E-11	1.44E-10	4.78E-12	2.36E-10
2773	740820.98	4109121.57	9.75E-10	1.78E-09	9.76E-11	2.85E-09	1.51E-10	2.91E-10	1.46E-11	4.57E-10	1.47E-10	2.51E-10	1.86E-11	4.16E-10	8.36E-11	1.38E-10	4.58E-12	2.26E-10
2774	740845.21	4109086.77	9.47E-10	1.73E-09	9.48E-11	2.77E-09	1.47E-10	2.83E-10	1.42E-11	4.44E-10	1.43E-10	2.43E-10	1.80E-11	4.04E-10	8.12E-11	1.34E-10	4.45E-12	2.20E-10
2775	740869.44	4109051.98	9.31E-10	1.70E-09	9.32E-11	2.72E-09	1.44E-10	2.78E-10	1.40E-11	4.37E-10	1.40E-10	2.39E-10	1.77E-11	3.98E-10	7.98E-11	1.32E-10	4.38E-12	2.16E-10
2776	740893.67	4109017.18	9.26E-10	1.69E-09	9.27E-11	2.71E-09	1.44E-10	2.77E-10	1.39E-11	4.34E-10	1.40E-10	2.38E-10	1.76E-11	3.95E-10	7.93E-11	1.31E-10	4.35E-12	2.15E-10
2777	740917.9	4108982.39	9.28E-10	1.69E-09	9.28E-11	2.71E-09	1.44E-10	2.77E-10	1.39E-11	4.35E-10	1.40E-10	2.38E-10	1.77E-11	3.96E-10	7.95E-11	1.32E-10	4.36E-12	2.15E-10
2778	740942.13	4108947.59	9.32E-10	1.70E-09	9.33E-11	2.72E-09	1.45E-10	2.78E-10	1.40E-11	4.37E-10	1.41E-10	2.40E-10	1.78E-11	3.98E-10	7.99E-11	1.32E-10	4.38E-12	2.16E-10
2779	740966.36	4108912.8	9.35E-10	1.70E-09	9.35E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.38E-10	1.41E-10	2.40E-10	1.78E-11	3.99E-10	8.01E-11	1.33E-10	4.39E-12	2.17E-10
2780	740990.59	4108878	9.32E-10	1.70E-09	9.33E-11	2.72E-09	1.45E-10	2.78E-10	1.40E-11	4.37E-10	1.41E-10	2.40E-10	1.78E-11	3.98E-10	7.99E-11	1.32E-10	4.38E-12	2.16E-10

2781	741014.82	4108843.21	9.22E-10	1.68E-09	9.23E-11	2.69E-09	1.43E-10	2.75E-10	1.38E-11	4.32E-10	1.39E-10	2.37E-10	1.76E-11	3.94E-10	7.90E-11	1.31E-10	4.33E-12	2.14E-10
2782	741039.05	4108808.41	9.02E-10	1.64E-09	9.03E-11	2.64E-09	1.40E-10	2.70E-10	1.35E-11	4.23E-10	1.36E-10	2.32E-10	1.72E-11	3.85E-10	7.73E-11	1.28E-10	4.24E-12	2.09E-10
2783	741063.28	4108773.61	8.75E-10	1.59E-09	8.75E-11	2.56E-09	1.36E-10	2.61E-10	1.31E-11	4.10E-10	1.32E-10	2.25E-10	1.67E-11	3.73E-10	7.49E-11	1.24E-10	4.11E-12	2.03E-10
2784	741087.52	4108738.82	8.42E-10	1.53E-09	8.42E-11	2.46E-09	1.31E-10	2.52E-10	1.26E-11	3.95E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.21E-11	1.19E-10	3.96E-12	1.95E-10
2785	741111.75	4108704.02	8.06E-10	1.47E-09	8.06E-11	2.35E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.90E-11	1.14E-10	3.79E-12	1.87E-10
2786	740704.38	4110736.69	2.14E-09	3.91E-09	2.15E-10	6.27E-09	3.33E-10	6.41E-10	3.22E-11	1.01E-09	3.23E-10	5.51E-10	4.09E-11	9.16E-10	1.84E-10	3.04E-10	1.01E-11	4.98E-10
2787	740727.26	4110772.68	2.17E-09	3.96E-09	2.18E-10	6.35E-09	3.37E-10	6.50E-10	3.26E-11	1.02E-09	3.28E-10	5.59E-10	4.14E-11	9.28E-10	1.86E-10	3.08E-10	1.02E-11	5.05E-10
2788	740351.67	4110912.3	1.48E-09	2.70E-09	1.48E-10	4.33E-09	2.30E-10	4.42E-10	2.22E-11	6.94E-10	2.23E-10	3.81E-10	2.82E-11	6.32E-10	1.27E-10	2.10E-10	6.96E-12	3.44E-10
2789	740344.26	4110870.3	1.48E-09	2.70E-09	1.48E-10	4.34E-09	2.30E-10	4.43E-10	2.23E-11	6.96E-10	2.24E-10	3.81E-10	2.83E-11	6.33E-10	1.27E-10	2.10E-10	6.97E-12	3.44E-10
2790	740336.84	4110828.3	1.49E-09	2.71E-09	1.49E-10	4.34E-09	2.31E-10	4.44E-10	2.23E-11	6.97E-10	2.24E-10	3.82E-10	2.83E-11	6.35E-10	1.27E-10	2.11E-10	6.99E-12	3.45E-10
2791	740329.42	4110786.3	1.49E-09	2.72E-09	1.49E-10	4.36E-09	2.31E-10	4.46E-10	2.24E-11	7.00E-10	2.25E-10	3.84E-10	2.84E-11	6.37E-10	1.28E-10	2.12E-10	7.01E-12	3.46E-10
2792	740322.01	4110744.3	1.50E-09	2.74E-09	1.50E-10	4.39E-09	2.33E-10	4.49E-10	2.25E-11	7.04E-10	2.26E-10	3.86E-10	2.86E-11	6.41E-10	1.29E-10	2.13E-10	7.06E-12	3.49E-10
2793	740314.59	4110702.3	1.52E-09	2.76E-09	1.52E-10	4.43E-09	2.35E-10	4.53E-10	2.28E-11	7.11E-10	2.29E-10	3.90E-10	2.89E-11	6.47E-10	1.30E-10	2.15E-10	7.12E-12	3.52E-10
2794	740307.17	4110660.3	1.53E-09	2.79E-09	1.53E-10	4.48E-09	2.38E-10	4.58E-10	2.30E-11	7.19E-10	2.31E-10	3.94E-10	2.92E-11	6.54E-10	1.31E-10	2.17E-10	7.20E-12	3.56E-10
2795	740299.76	4110618.3	1.55E-09	2.83E-09	1.55E-10	4.53E-09	2.40E-10	4.63E-10	2.33E-11	7.27E-10	2.34E-10	3.99E-10	2.95E-11	6.62E-10	1.33E-10	2.20E-10	7.29E-12	3.60E-10
2796	740292.34	4110576.29	1.57E-09	2.86E-09	1.57E-10	4.58E-09	2.43E-10	4.69E-10	2.35E-11	7.36E-10	2.37E-10	4.03E-10	2.99E-11	6.70E-10	1.34E-10	2.22E-10	7.37E-12	3.64E-10
2797	740284.92	4110534.29	1.59E-09	2.90E-09	1.59E-10	4.65E-09	2.47E-10	4.76E-10	2.39E-11	7.47E-10	2.40E-10	4.09E-10	3.03E-11	6.80E-10	1.36E-10	2.26E-10	7.48E-12	3.70E-10
2798	740277.51	4110492.29	1.63E-09	2.97E-09	1.63E-10	4.76E-09	2.52E-10	4.86E-10	2.44E-11	7.63E-10	2.46E-10	4.19E-10	3.10E-11	6.95E-10	1.40E-10	2.31E-10	7.65E-12	3.78E-10
2799	740270.09	4110450.29	1.68E-09	3.07E-09	1.69E-10	4.92E-09	2.61E-10	5.03E-10	2.53E-11	7.90E-10	2.54E-10	4.33E-10	3.21E-11	7.19E-10	1.44E-10	2.39E-10	7.92E-12	3.91E-10
2800	740262.68	4110408.29	1.76E-09	3.21E-09	1.77E-10	5.16E-09	2.74E-10	5.27E-10	2.65E-11	8.27E-10	2.66E-10	4.54E-10	3.36E-11	7.53E-10	1.51E-10	2.50E-10	8.29E-12	4.10E-10
2801	740255.26	4110366.29	1.86E-09	3.39E-09	1.86E-10	5.44E-09	2.89E-10	5.56E-10	2.79E-11	8.73E-10	2.81E-10	4.79E-10	3.55E-11	7.95E-10	1.60E-10	2.64E-10	8.75E-12	4.32E-10
2802	740247.84	4110324.29	1.96E-09	3.58E-09	1.97E-10	5.74E-09	3.05E-10	5.87E-10	2.95E-11	9.21E-10	2.96E-10	5.05E-10	3.74E-11	8.39E-10	1.68E-10	2.79E-10	9.23E-12	4.56E-10
2803	740240.43	4110282.29	2.06E-09	3.75E-09	2.06E-10	6.01E-09	3.19E-10	6.15E-10	3.09E-11	9.65E-10	3.10E-10	5.29E-10	3.92E-11	8.78E-10	1.76E-10	2.92E-10	9.67E-12	4.78E-10
2804	740233.01	4110240.29	2.12E-09	3.87E-09	2.12E-10	6.20E-09	3.29E-10	6.34E-10	3.19E-11	9.95E-10	3.20E-10	5.46E-10	4.05E-11	9.06E-10	1.82E-10	3.01E-10	9.98E-12	4.93E-10
2805	740225.59	4110198.29	2.15E-09	3.92E-09	2.15E-10	6.29E-09	3.34E-10	6.43E-10	3.23E-11	1.01E-09	3.25E-10	5.53E-10	4.10E-11	9.19E-10	1.84E-10	3.05E-10	1.01E-11	5.00E-10
2806	740218.18	4110156.29	2.14E-09	3.90E-09	2.14E-10	6.26E-09	3.32E-10	6.40E-10	3.22E-11	1.00E-09	3.23E-10	5.51E-10	4.08E-11	9.15E-10	1.84E-10	3.04E-10	1.01E-11	4.97E-10
2807	740210.76	4110114.29	2.10E-09	3.82E-09	2.10E-10	6.13E-09	3.25E-10	6.27E-10	3.15E-11	9.84E-10	3.16E-10	5.39E-10	4.00E-11	8.96E-10	1.80E-10	2.98E-10	9.86E-12	4.87E-10
2808	740203.34	4110072.29	2.03E-09	3.70E-09	2.03E-10	5.93E-09	3.15E-10	6.06E-10	3.05E-11	9.51E-10	3.06E-10	5.22E-10	3.87E-11	8.66E-10	1.74E-10	2.88E-10	9.54E-12	4.71E-10
2809	740195.93	4110030.29	1.95E-09	3.54E-09	1.95E-10	5.68E-09	3.02E-10	5.81E-10	2.92E-11	9.12E-10	2.93E-10	5.00E-10	3.71E-11	8.30E-10	1.67E-10	2.76E-10	9.14E-12	4.52E-10
2810	740188.51	4109988.29	1.85E-09	3.38E-09	1.86E-10	5.42E-09	2.88E-10	5.54E-10	2.78E-11	8.69E-10	2.80E-10	4.77E-10	3.53E-11	7.92E-10	1.59E-10	2.63E-10	8.71E-12	4.31E-10
2811	740181.09	4109946.29	1.76E-09	3.22E-09	1.77E-10	5.16E-09	2.74E-10	5.27E-10	2.65E-11	8.27E-10	2.66E-10	4.54E-10	3.36E-11	7.53E-10	1.51E-10	2.50E-10	8.29E-12	4.10E-10
2812	740173.68	4109904.28	1.68E-09	3.06E-09	1.68E-10	4.91E-09	2.61E-10	5.02E-10	2.52E-11	7.88E-10	2.54E-10	4.32E-10	3.20E-11	7.18E-10	1.44E-10	2.38E-10	7.90E-12	3.90E-10
2813	740166.26	4109862.28	1.61E-09	2.93E-09	1.61E-10	4.70E-09	2.50E-10	4.81E-10	2.42E-11	7.55E-10	2.43E-10	4.14E-10	3.07E-11	6.87E-10	1.38E-10	2.28E-10	7.56E-12	3.74E-10
2814	740158.84	4109820.28	1.55E-09	2.83E-09	1.55E-10	4.54E-09	2.41E-10	4.64E-10	2.33E-11	7.28E-10	2.34E-10	3.99E-10	2.96E-11	6.63E-10	1.33E-10	2.20E-10	7.30E-12	3.60E-10
2815	740151.43	4109778.28	1.51E-09	2.76E-09	1.51E-10	4.42E-09	2.34E-10	4.52E-10	2.27E-11	7.09E-10	2.28E-10	3.89E-10	2.88E-11	6.46E-10	1.30E-10	2.14E-10	7.11E-12	3.51E-10
2816	740144.01	4109736.28	1.49E-09	2.71E-09	1.49E-10	4.35E-09	2.31E-10	4.44E-10	2.23E-11	6.97E-10	2.24E-10	3.82E-10	2.83E-11	6.35E-10	1.27E-10	2.11E-10	6.99E-12	3.45E-10
2817	740136.59	4109694.28	1.47E-09	2.69E-09	1.48E-10	4.31E-09	2.29E-10	4.40E-10	2.21E-11	6.91E-10	2.22E-10	3.79E-10	2.81E-11	6.29E-10	1.26E-10	2.09E-10	6.93E-12	3.42E-10
2818	740129.18	4109652.28	1.47E-09	2.67E-09	1.47E-10	4.29E-09	2.28E-10	4.39E-10	2.20E-11	6.88E-10	2.21E-10	3.77E-10	2.80E-11	6.27E-10	1.26E-10	2.08E-10	6.90E-12	3.41E-10
2819	740121.76	4109610.28	1.46E-09	2.67E-09	1.46E-10	4.27E-09	2.27E-10	4.37E-10	2.20E-11	6.86E-10	2.21E-10	3.76E-10	2.79E-11	6.24E-10	1.25E-10	2.07E-10	6.87E-12	3.40E-10
2820	740114.34	4109568.28	1.45E-09	2.65E-09	1.45E-10	4.24E-09	2.25E-10	4.34E-10	2.18E-11	6.81E-10	2.19E-10	3.73E-10	2.77E-11	6.20E-10	1.24E-10	2.06E-10	6.83E-12	3.37E-10
2821	740106.93	4109526.28	1.43E-09	2.61E-09	1.43E-10	4.19E-09	2.22E-10	4.28E-10	2.15E-11	6.72E-10	2.16E-10	3.68E-10	2.73E-11	6.12E-10	1.23E-10	2.03E-10	6.74E-12	3.33E-10
2822	740115.41	4109487.78	1.42E-09	2.59E-09	1.42E-10	4.15E-09	2.20E-10	4.24E-10	2.13E-11	6.65E-10	2.14E-10	3.65E-10	2.70E-11	6.06E-10	1.22E-10	2.01E-10	6.67E-12	3.30E-10
2823	740139.78	4109452.78	1.41E-09	2.56E-09	1.41E-10	4.11E-09	2.18E-10	4.20E-10	2.11E-11	6.60E-10	2.12E-10	3.62E-10	2.68E-11	6.01E-10	1.21E-10	2.00E-10	6.61E-12	3.27E-10
2824	740164.15	4109417.78	1.38E-09	2.51E-09	1.38E-10	4.03E-09	2.14E-10	4.12E-10	2.07E-11	6.47E-10	2.08E-10	3.54E-10	2.63E-11	5.89E-10	1.18E-10	1.96E-10	6.48E-12	3.20E-10
2825	740188.53	4109382.78	1.34E-09	2.43E-09	1.34E-10	3.90E-09	2.07E-10	3.99E-10	2.01E-11	6.26E-10	2.01E-10	3.44E-10	2.55E-11	5.70E-10	1.14E-10	1.89E-10	6.28E-12	3.10E-10
2826	740212.9	4109347.78	1.28E-09	2.34E-09	1.28E-10	3.75E-09	1.99E-10	3.83E-10	1.92E-11	6.01E-10	1.93E-10	3.30E-10	2.44E-11	5.47E-10	1.10E-10	1.82E-10	6.03E-12	2.98E-10
2827	740237.27	4109312.78	1.22E-09	2.23E-09	1.22E-10	3.57E-09	1.89E-10	3.65E-10	1.83E-11	5.73E-10	1.84E-10	3.14E-10	2.33E-11	5.21E-10	1.05E-10	1.73E-10	5.74E-12	2.84E-10
2828	740261.65	4109277.78	1.16E-09	2.11E-09	1.16E-10	3.38E-09	1.80E-10	3.46E-10	1.74E-11	5.43E-10	1.75E-10	2.98E-10	2.21E-11	4.95E-10	9.93E-11	1.64E-10	5.44E-12	2.69E-10
2829	740286.02	4109242.78	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.28E-10	1.65E-11	5.14E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.39E-11	1.55E-10	5.15E-12	2.55E-10
2830	740310.39	4109207.78	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.10E-10	1.56E-11	4.86E-10	1.56E-10	2.67E-10	1.98E-11	4.43E-10	8.89E-11	1.47E-10	4.88E-12	2.41E-10
2831	740334.77	4109172.78	9.83E-10	1.79E-09	9.83E-11	2.87E-09	1.52E-10	2.94E-10	1.47E-11	4.61E-10	1.48E-10	2.53E-10	1.87E-11	4.19E-10	8.42E-11	1.39E-10	4.62E-12	2.28E-10
2832	740359.14	4109137.78	9.30E-10	1.70E-09	9.31E-11	2.72E-09	1.44E-10	2.78E-10	1.40E-11	4.36E-10	1.40E-10	2.39E-10	1.77E-11	3.97E-10	7.97E-11	1.32E-10	4.37E-12	2.16E-10
2833	740383.51	4109102.78	8.80E-10	1.60E-09	8.81E-11	2.57E-09	1.37E-10	2.63E-10	1.32E-11	4.13E-10	1.33E-10	2.26E-10	1.68E-11	3.76E-10	7.54E-11	1.25E-10	4.14E-12	2.04E-10
2834	740407.89	4109067.78	8.33E-10	1.52E-09	8.33E-11	2.43E-09	1.29E-10	2.49E-10	1.25E-11	3.90E-10	1.26E-10	2.14E-10	1.59E-11	3.56E-10	7.14E-11	1.18E-10	3.91E-12	1.93E-10
2835	740432.26	4109032.78	7.88E-10	1.44E-09	7.89E-11	2.30E-09	1.22E-10	2.36E-10	1.18E-11	3.70E-10	1.19E-10	2.03E-10	1.50E-11	3.37E-10	6.76E-11	1.12E-10	3.70E-12	1.83E-10
2836	740456.63	4108997.78	7.47E-10	1.36E-09	7.47E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.13E-10	1.92E-10	1.42E-11	3.19E-10	6.40E-11	1.06E-10	3.51E-12	1.73E-10
2837	740481.01	4108962.78	7.10E-10	1.29E-09	7.10E-11	2.07E-09	1.10E-10	2.12E-10	1.06E-11	3.33E-10	1.07E-10	1.82E-10	1.35E-11	3.03E-10	6.08E-11	1.01E-10	3.33E-12	1.65E-10
2838	740505.38	4108927.78	6.79E-10	1.24E-09	6.79E-11	1.98E-09	1.05E-10	2.03E-10	1.02E-11	3.18E-10	1.02E-10	1.75E-10	1.29E-11	2.90E-10	5.82E-11	9.63E-11	3.19E-12	1.58E-10
2839	740529.75	4108892.78	6.56E-10	1.20E-09	6.57E-11	1.92E-09	1.02E-10	1.96E-10	9.85E-12	3.08E-10	9.90E-11	1.69E-10	1.25E-11	2.80E-10	5.62E-11	9.30E-11	3.08E-12	1.52E-10
2840	740554.13	4108857.78	6.42E-10	1.17E-09	6.42E-11	1.88E-09	9.95E-11	1.92E-10	9.63E-12	3.01E-10	9.68E-11	1.65E-10	1.22E-11	2.74E-10	5.50E-11	9.10E-11	3.02E-12	1.49E-10
2841	740578.5	4108822.78	6.36E-10	1.16E-09	6.36E-11	1.86E-09	9.86E-11	1.90E-10	9.54E-12	2.98E-10	9.59E-11	1.63E-10	1.21E-11	2.71E-10	5.45E-11	9.01E-11	2.99E-12	1.48E-10
2842	740602.87	4108787.78	6.36E-10	1.16E-09	6.36E-11	1.86E-09	9.86E-11	1.90E-10	9.54E-12	2.98E-10	9.59E-11	1.63E-10	1.21E-11	2.71E-10	5.45E-11	9.02E-11	2.99E-12	1.48E-10
2843	740627.25	4108752.78	6.41E-10	1.17E-09	6.41E-11	1.87E-09	9.94E-11	1.91E-10	9.62E-12	3.00E-10	9.67E-11	1.65E-10	1.22E-11	2.74E-10	5.49E-11	9.09E-11	3.01E-12	1.49E-10
2844	740651.62	4108717.78	6.48E-10	1.18E-09	6.49E-11	1.89E-09	1.01E-10	1.94E-10	9.73E-12	3.04E-10	9.78E-11	1.67E-10	1.24E-11	2.77E-10	5.55E-11	9.19E-11	3.05E-12	1.51E-10
2845	740675.99	4108682.78	6.56E-10	1.20E-09	6.57E-11	1.92E-09	1.02E-10	1.96E-10	9.85E-12	3.08E-10	9.90E-11	1.69E-10	1.25E-11	2.80E-10	5.62E-11	9.31E-11	3.08E-12	1.52E-10
2846	740700.37	4108647.78	6.62E-10	1.21E-09	6.63E-11	1.94E-09	1.03E-10	1.98E-10	9.94E-12	3.10E-10	9.99E-11	1.70E-10	1.26E-11	2.83E-10	5.67E-11	9.39E-11	3.11E-12	1.54E-10
2847	740724.74	4108612.78	6.65E-10	1.21E-09	6.65E-11	1.94E-09	1.03E-10	1.99E-10	9.98E-12	3.12E-10	1.00E-10	1.71E-10	1.27E-11	2.84E-10	5.70E-11	9.42E-11	3.12E-12	1.54E-10
2848	740749.11	4108577.78	6.63E-10	1.21E-09	6.63E-11	1.94E-09	1.03E-10	1.98E-10	9.95E-12	3.11E-10	9.99E-11	1.70E-10	1.26E-11	2.83E-10	5.68E-11	9.40E-11	3.11E-12	1.54E-10
2849	740773.49	4108542.78	6.56E-10	1.20E-09	6.56E-11	1.92E-09	1.02E-10	1.96E-10	9.85E-12	3.08E-10	9.89E-11	1.69E-10	1.25E-11	2.80E-10	5.62E-11	9.30E-11	3.08E-12	1.52E-10
2850	740797.86	4108507.78	6.44E-10	1.17E-09	6.44E-11	1.88E-09	9.99E-11	1.92E-10	9.67E-12	3.02E-10	9.71E-11	1.66E-10	1.23E-11	2.75E-10	5.52E-11	9.13E-11	3.03E-12	1.50E-10
2851	740822.23	4108472.78	6.27E-10	1.14E-09	6.28E-11	1.83E-09	9.73E-11	1.87E-10	9.42E-12	2.94E-10	9.46E-11	1.61E-10	1.20E-11	2.68E-10	5.38E-11	8.90E-11	2.95E-12	1.46E-10
2852	740846.61	4108437.78	6.07E-10	1.11E-09	6.07E-11	1.77E-09	9.41E-11	1.81E-10	9.11E-12	2.85E-10	9.15E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.61E-11	2.85E-12	1.41E-10
2853	740870.98	4108402.78	5.84E-10	1.06E-09	5.84E-11	1.71E-09	9.05E-11	1.74E-10	8.76E-12	2.74E-10	8.80E-11	1.50E-10	1.11E-11	2.49E-10	5.00E-11	8.28E-11	2.74E-12	1.36E-10
2854	740895.35	4108367.78	5.60E-10	1.02E-09	5.60E-11	1.64E-09	8.68E-11	1.67E-10	8.40E-12	2.62E-10	8.44E-11	1.44E-10	1.07E-11	2.39E-10	4.80E-11	7.94E-11	2.63E-12	1.30E-10
2855	740366.82	4110951.3	1.49E-09	2.71E-09	1.49E-10	4.35E-09	2.31E-10	4.44E-10	2.23E-11	6.97E-10	2.24E-10	3.82E-10	2.83E-11	6.35E-10	1.27E-10	2.11E-10	6.99E-12	3.45E-10
2856	740389.71	4110987.29	1.50E-09	2.74E-09	1.50E-10	4.39E-09	2.33E-10	4.49E-10	2.25E-11	7.04E-10	2.27E-10	3.86E-10	2.86E-11	6.41E-10	1.29E-10	2.13E-10	7.06E-12	3.49E-10
2857	740014.15	4111127.08	1.11E-09	2.02E-09	1.11E-10	3.24E-09	1.72E-10	3.31E-10	1.66E-11	5.20E-10	1.67E-10	2.85E-10	2.11E-11	4.73E-10	9.50E-11	1.57E-10	5.21E-12	2.57E-10
2858	740006.8	4111085.43	1.11E-09	2.03E-09	1.11E-10	3.25E-09	1.72E-10	3.32E-10	1.67E-11	5.21E-10	1.68E-10	2.86E-10	2.12E-11	4.75E-10	9.53E-11	1.58E-10	5.22E-12	2.58E-10
2859	739999.44	4111043.77	1.11E-09	2.03E-09	1.11E-10	3.25E-09	1.73E-10	3.33E-10	1.67E-11	5.22E-10	1.68E-10	2.86E-10	2.12E-11	4.75E-10	9.54E-11	1.58E-10	5.23E-12	2.59E-10
2860	739992.08	4111002.12	1.11E-09	2.03E-09	1.12E-10	3.26E-09	1.73E-10	3.33E-10	1.67E-11	5.23E-10	1.68E-10	2.87E-10	2.12E-11	4.76E-10	9.55E-11	1.58E-10	5.24E-12	2.59E-10
2861	739984.73	4110960.47	1.12E-09	2.03E-09	1.12E-10	3.26E-09	1.73E-10	3.34E-10	1.68E-11	5.23E-10	1.68E-10	2.87E-10	2.13E-11	4.77E-10	9.57E-11	1.58E-10	5.25E-12	2.59E-10
2862	739977.37	4110918.81	1.12E-09	2.04E-09	1.12E-10	3.28E-09	1.74E-10	3.35E-10	1.68E-11	5.26E-10	1.69E-10	2.88E-10	2.14E-11	4.79E-10	9.61E-11	1.59E-10	5.27E-12	2.60E-10
2863	739970.02	4110877.16	1.13E-09	2.06E-09	1.13E-10	3.30E-09	1.75E-10	3.37E-10	1.69E-11	5.29E-10	1.70E-10	2.90E-10	2.15E-11	4.82E-10	9.67E-11	1.60E-10	5.30E-12	2.62E-10
2864	739962.66	4110835.5	1.14E-09	2.07E-09	1.14E-10	3.33E-09	1.77E-10	3.40E-10	1.71E-11	5.34E-10	1.72E-10	2.93E-10	2.17E-11	4.86E-10	9.76E-11	1.61E-10	5.35E-12	2.64E-10
2865	739955.31	4110793.85	1.15E-09	2.10E-09	1.15E-10	3.36E-09	1.78E-10	3.44E-10	1.73E-11	5.39E-10	1.73E-10	2.96E-10	2.19E-11	4.91E-10	9.86E-11	1.63E-10	5.41E-12	2.67E-10
2866	739947.95	4110752.19	1.16E-09	2.12E-09	1.16E-10	3.39E-09	1.80E-10	3.47E-10	1.74E-11	5.44E-10	1.75E-10	2.99E-10	2.21E-11	4.96E-10	9.95E-11	1.65E-10	5.46E-12	2.70E-10
2867	739940.6	4110710.54	1.17E-09	2.13E-09	1.17E-10	3.42E-09	1.82E-10	3.50E-10	1.76E-11	5.49E-10	1.77E-10	3.01E-10	2.23E-11	5.00E-10	1.00E-10	1.66E-10	5.50E-12	2.72E-10
2868	739933.24	4110668.89	1.18E-09	2.15E-09	1.18E-10	3.45E-09	1.83E-10	3.53E-10	1.77E-11	5.54E-10	1.78E-10	3.04E-10	2.25E-11	5.04E-10	1.01E-10	1.67E-10	5.55E-12	2.74E-10
2869	739925.89	4110627.23	1.19E-09	2.18E-09	1.20E-10	3.49E-09	1.85E-10	3.57E-10	1.79E-11	5.60E-10	1.80E-10	3.07E-10	2.28E-11	5.10E-10	1.02E-10	1.69E-10	5.62E-12	2.77E-10
2870	739918.53	4110585.58	1.22E-09	2.22E-09	1.22E-10	3.56E-09	1.89E-10	3.63E-10	1.83E-11	5.70E-10	1.83E-10	3.13E-10	2.32E-11	5.19E-10	1.04E-10	1.73E-10	5.72E-12	2.82E-10
2871	739911.18	4110543.92	1.25E-09	2.28E-09	1.25E-10	3.66E-09	1.94E-10	3.74E-10	1.88E-11	5.87E-10	1.89E-10	3.22E-10	2.38E-11	5.34E-10	1.07E-10	1.77E-10	5.88E-12	2.90E-10
2872	739903.82	4110502.27	1.30E-09	2.37E-09	1.30E-10	3.80E-09	2.02E-10	3.88E-10	1.95E-11	6.09E-10	1.96E-10	3.34E-10	2.48E-11	5.55E-10	1.11E-10	1.84E-10	6.11E-12	3.02E-10
2873	739896.46	4110460.61	1.36E-09	2.48E-09	1.36E-10	3.98E-09	2.11E-10	4.07E-10	2.04E-11	6.38E-10	2.05E-10	3.50E-10	2.59E-11	5.81E-10	1.17E-10	1.93E-10	6.40E-12	3.16E-10
2874	739889.11	4110418.96	1.43E-09	2.61E-09	1.43E-10	4.18E-09	2.22E-10	4.27E-10	2.15E-11	6.71E-10	2.16E-10	3.68E-10	2.73E-11	6.11E-10	1.23E-10	2.03E-10	6.72E-12	3.32E-10
2875	739881.75	4110377.3	1.50E-09	2.73E-09	1.50E-10	4.38E-09	2.33E-10	4.48E-10	2.25E-11	7.03E-10	2.26E-10	3.86E-10	2.86E-11	6.40E-10	1.28E-10	2.13E-10	7.05E-12	3.48E-10
2876	739874.4	4110335.65	1.56E-09	2.84E-09	1.56E-10	4.56E-09	2.42E-10	4.66E-10	2.34E-11	7.32E-10	2.35E-10	4.01E-10	2.97E-11	6.66E-10	1.34E-10	2.21E-10	7.34E-12	3.62E-10

2877	739867.04	4110294	1.61E-09	2.93E-09	1.61E-10	4.69E-09	2.49E-10	4.80E-10	2.41E-11	7.53E-10	2.42E-10	4.13E-10	3.06E-11	6.85E-10	1.38E-10	2.28E-10	7.55E-12	3.73E-10
2878	739859.69	4110252.34	1.63E-09	2.97E-09	1.63E-10	4.76E-09	2.53E-10	4.87E-10	2.44E-11	7.63E-10	2.46E-10	4.19E-10	3.10E-11	6.95E-10	1.40E-10	2.31E-10	7.65E-12	3.78E-10
2879	739852.33	4110210.69	1.63E-09	2.97E-09	1.63E-10	4.76E-09	2.52E-10	4.86E-10	2.44E-11	7.63E-10	2.45E-10	4.18E-10	3.10E-11	6.95E-10	1.39E-10	2.31E-10	7.65E-12	3.78E-10
2880	739844.98	4110169.03	1.61E-09	2.93E-09	1.61E-10	4.69E-09	2.49E-10	4.80E-10	2.41E-11	7.53E-10	2.42E-10	4.13E-10	3.06E-11	6.85E-10	1.38E-10	2.28E-10	7.54E-12	3.73E-10
2881	739837.62	4110127.38	1.57E-09	2.86E-09	1.57E-10	4.58E-09	2.43E-10	4.68E-10	2.35E-11	7.35E-10	2.36E-10	4.03E-10	2.99E-11	6.69E-10	1.34E-10	2.22E-10	7.37E-12	3.64E-10
2882	739830.27	4110085.72	1.52E-09	2.77E-09	1.52E-10	4.44E-09	2.35E-10	4.53E-10	2.28E-11	7.12E-10	2.29E-10	3.90E-10	2.89E-11	6.48E-10	1.30E-10	2.15E-10	7.13E-12	3.52E-10
2883	739822.91	4110044.07	1.46E-09	2.66E-09	1.46E-10	4.27E-09	2.27E-10	4.37E-10	2.19E-11	6.85E-10	2.20E-10	3.76E-10	2.79E-11	6.24E-10	1.25E-10	2.07E-10	6.87E-12	3.39E-10
2884	739815.56	4110002.41	1.40E-09	2.56E-09	1.40E-10	4.10E-09	2.18E-10	4.19E-10	2.11E-11	6.58E-10	2.12E-10	3.61E-10	2.67E-11	5.99E-10	1.20E-10	1.99E-10	6.59E-12	3.26E-10
2885	739808.2	4109960.76	1.34E-09	2.45E-09	1.35E-10	3.93E-09	2.08E-10	4.02E-10	2.02E-11	6.30E-10	2.03E-10	3.46E-10	2.56E-11	5.74E-10	1.15E-10	1.91E-10	6.32E-12	3.12E-10
2886	739800.84	4109919.11	1.29E-09	2.35E-09	1.29E-10	3.76E-09	2.00E-10	3.85E-10	1.93E-11	6.04E-10	1.94E-10	3.31E-10	2.45E-11	5.50E-10	1.10E-10	1.83E-10	6.05E-12	2.99E-10
2887	739793.49	4109877.45	1.24E-09	2.25E-09	1.24E-10	3.61E-09	1.92E-10	3.69E-10	1.85E-11	5.79E-10	1.86E-10	3.18E-10	2.35E-11	5.28E-10	1.06E-10	1.75E-10	5.81E-12	2.87E-10
2888	739786.13	4109835.8	1.19E-09	2.17E-09	1.19E-10	3.48E-09	1.85E-10	3.56E-10	1.79E-11	5.58E-10	1.79E-10	3.06E-10	2.27E-11	5.08E-10	1.02E-10	1.69E-10	5.59E-12	2.76E-10
2889	739778.78	4109794.14	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.44E-10	1.73E-11	5.40E-10	1.74E-10	2.96E-10	2.20E-11	4.92E-10	9.88E-11	1.63E-10	5.42E-12	2.68E-10
2890	739771.42	4109752.49	1.12E-09	2.05E-09	1.13E-10	3.29E-09	1.74E-10	3.36E-10	1.69E-11	5.27E-10	1.70E-10	2.89E-10	2.14E-11	4.80E-10	9.64E-11	1.59E-10	5.29E-12	2.61E-10
2891	739764.07	4109710.83	1.11E-09	2.02E-09	1.11E-10	3.23E-09	1.72E-10	3.30E-10	1.66E-11	5.19E-10	1.67E-10	2.84E-10	2.11E-11	4.72E-10	9.48E-11	1.57E-10	5.20E-12	2.57E-10
2892	739756.71	4109669.18	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.27E-10	1.65E-11	5.14E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.39E-11	1.55E-10	5.15E-12	2.54E-10
2893	739749.36	4109627.52	1.09E-09	1.99E-09	1.09E-10	3.19E-09	1.69E-10	3.26E-10	1.64E-11	5.12E-10	1.65E-10	2.81E-10	2.08E-11	4.66E-10	9.36E-11	1.55E-10	5.14E-12	2.54E-10
2894	739742	4109585.87	1.09E-09	1.99E-09	1.09E-10	3.20E-09	1.70E-10	3.27E-10	1.64E-11	5.13E-10	1.65E-10	2.81E-10	2.08E-11	4.67E-10	9.37E-11	1.55E-10	5.14E-12	2.54E-10
2895	739734.65	4109544.22	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.27E-10	1.64E-11	5.13E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.38E-11	1.55E-10	5.15E-12	2.54E-10
2896	739727.29	4109502.56	1.09E-09	1.99E-09	1.10E-10	3.20E-09	1.70E-10	3.27E-10	1.64E-11	5.13E-10	1.65E-10	2.81E-10	2.09E-11	4.67E-10	9.38E-11	1.55E-10	5.14E-12	2.54E-10
2897	739719.94	4109460.91	1.09E-09	1.99E-09	1.09E-10	3.18E-09	1.69E-10	3.25E-10	1.64E-11	5.11E-10	1.64E-10	2.80E-10	2.08E-11	4.65E-10	9.33E-11	1.54E-10	5.12E-12	2.53E-10
2898	739724.67	4109401.9	1.08E-09	1.97E-09	1.08E-10	3.15E-09	1.67E-10	3.23E-10	1.62E-11	5.06E-10	1.63E-10	2.78E-10	2.06E-11	4.61E-10	9.25E-11	1.53E-10	5.07E-12	2.51E-10
2899	739748.84	4109367.19	1.08E-09	1.96E-09	1.08E-10	3.15E-09	1.67E-10	3.22E-10	1.62E-11	5.05E-10	1.62E-10	2.77E-10	2.05E-11	4.60E-10	9.23E-11	1.53E-10	5.06E-12	2.50E-10
2900	739773.01	4109332.47	1.07E-09	1.94E-09	1.07E-10	3.12E-09	1.65E-10	3.18E-10	1.60E-11	5.00E-10	1.61E-10	2.74E-10	2.03E-11	4.55E-10	9.13E-11	1.51E-10	5.01E-12	2.47E-10
2901	739797.18	4109297.76	1.05E-09	1.90E-09	1.05E-10	3.05E-09	1.62E-10	3.12E-10	1.57E-11	4.90E-10	1.58E-10	2.69E-10	1.99E-11	4.46E-10	8.95E-11	1.48E-10	4.91E-12	2.43E-10
2902	739821.36	4109263.05	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.57E-10	3.03E-10	1.52E-11	4.76E-10	1.53E-10	2.61E-10	1.93E-11	4.33E-10	8.70E-11	1.44E-10	4.77E-12	2.36E-10
2903	739845.53	4109228.34	9.79E-10	1.78E-09	9.79E-11	2.86E-09	1.52E-10	2.92E-10	1.47E-11	4.59E-10	1.48E-10	2.52E-10	1.86E-11	4.18E-10	8.38E-11	1.39E-10	4.60E-12	2.27E-10
2904	739869.7	4109193.63	9.38E-10	1.71E-09	9.38E-11	2.74E-09	1.45E-10	2.80E-10	1.41E-11	4.40E-10	1.41E-10	2.41E-10	1.79E-11	4.00E-10	8.04E-11	1.33E-10	4.41E-12	2.18E-10
2905	739893.87	4109158.92	8.95E-10	1.63E-09	8.95E-11	2.61E-09	1.39E-10	2.67E-10	1.34E-11	4.19E-10	1.35E-10	2.30E-10	1.70E-11	3.82E-10	7.67E-11	1.27E-10	4.20E-12	2.08E-10
2906	739918.05	4109124.21	8.52E-10	1.55E-09	8.52E-11	2.49E-09	1.32E-10	2.55E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.64E-10	7.30E-11	1.21E-10	4.00E-12	1.98E-10
2907	739942.22	4109089.49	8.11E-10	1.48E-09	8.11E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.08E-10	1.55E-11	3.46E-10	6.95E-11	1.15E-10	3.81E-12	1.88E-10
2908	739966.39	4109054.78	7.74E-10	1.41E-09	7.74E-11	2.26E-09	1.20E-10	2.31E-10	1.16E-11	3.63E-10	1.17E-10	1.99E-10	1.47E-11	3.30E-10	6.63E-11	1.10E-10	3.64E-12	1.80E-10
2909	739990.56	4109020.07	7.39E-10	1.35E-09	7.40E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.11E-10	1.90E-10	1.41E-11	3.16E-10	6.33E-11	1.05E-10	3.47E-12	1.72E-10
2910	740014.74	4108985.36	7.08E-10	1.29E-09	7.08E-11	2.07E-09	1.10E-10	2.11E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.02E-10	6.07E-11	1.00E-10	3.33E-12	1.64E-10
2911	740038.91	4108950.65	6.79E-10	1.24E-09	6.79E-11	1.98E-09	1.05E-10	2.03E-10	1.02E-11	3.18E-10	1.02E-10	1.74E-10	1.29E-11	2.90E-10	5.82E-11	9.62E-11	3.19E-12	1.58E-10
2912	740063.08	4108915.94	6.50E-10	1.19E-09	6.51E-11	1.90E-09	1.01E-10	1.94E-10	9.76E-12	3.05E-10	9.81E-11	1.67E-10	1.24E-11	2.78E-10	5.57E-11	9.22E-11	3.06E-12	1.51E-10
2913	740087.25	4108881.23	6.22E-10	1.13E-09	6.23E-11	1.82E-09	9.65E-11	1.86E-10	9.34E-12	2.92E-10	9.39E-11	1.60E-10	1.19E-11	2.66E-10	5.33E-11	8.82E-11	2.92E-12	1.45E-10
2914	740111.43	4108846.51	5.94E-10	1.08E-09	5.95E-11	1.74E-09	9.22E-11	1.78E-10	8.92E-12	2.79E-10	8.96E-11	1.53E-10	1.13E-11	2.54E-10	5.09E-11	8.43E-11	2.79E-12	1.38E-10
2915	740135.6	4108811.8	5.66E-10	1.03E-09	5.67E-11	1.66E-09	8.78E-11	1.69E-10	8.50E-12	2.66E-10	8.54E-11	1.46E-10	1.08E-11	2.42E-10	4.85E-11	8.03E-11	2.66E-12	1.32E-10
2916	740159.77	4108777.09	5.40E-10	9.84E-10	5.40E-11	1.58E-09	8.37E-11	1.61E-10	8.10E-12	2.53E-10	8.14E-11	1.39E-10	1.03E-11	2.30E-10	4.63E-11	7.65E-11	2.54E-12	1.25E-10
2917	740183.94	4108742.38	5.16E-10	9.40E-10	5.16E-11	1.51E-09	8.00E-11	1.54E-10	7.74E-12	2.42E-10	7.78E-11	1.33E-10	9.83E-12	2.20E-10	4.42E-11	7.31E-11	2.42E-12	1.20E-10
2918	740208.12	4108707.67	4.96E-10	9.03E-10	4.96E-11	1.45E-09	7.69E-11	1.48E-10	7.44E-12	2.32E-10	7.48E-11	1.27E-10	9.45E-12	2.12E-10	4.25E-11	7.03E-11	2.33E-12	1.15E-10
2919	740232.29	4108672.96	4.81E-10	8.76E-10	4.81E-11	1.41E-09	7.46E-11	1.44E-10	7.22E-12	2.25E-10	7.25E-11	1.24E-10	9.16E-12	2.05E-10	4.12E-11	6.82E-11	2.26E-12	1.12E-10
2920	740256.46	4108638.25	4.72E-10	8.59E-10	4.72E-11	1.38E-09	7.31E-11	1.41E-10	7.08E-12	2.21E-10	7.11E-11	1.21E-10	8.99E-12	2.01E-10	4.04E-11	6.69E-11	2.22E-12	1.10E-10
2921	740280.63	4108603.53	4.68E-10	8.52E-10	4.68E-11	1.37E-09	7.25E-11	1.40E-10	7.02E-12	2.19E-10	7.05E-11	1.20E-10	8.91E-12	2.00E-10	4.01E-11	6.63E-11	2.20E-12	1.09E-10
2922	740304.8	4108568.82	4.68E-10	8.53E-10	4.69E-11	1.37E-09	7.26E-11	1.40E-10	7.03E-12	2.20E-10	7.06E-11	1.20E-10	8.92E-12	2.00E-10	4.01E-11	6.64E-11	2.20E-12	1.09E-10
2923	740328.98	4108534.11	4.73E-10	8.61E-10	4.73E-11	1.38E-09	7.33E-11	1.41E-10	7.09E-12	2.22E-10	7.13E-11	1.21E-10	9.00E-12	2.02E-10	4.05E-11	6.70E-11	2.22E-12	1.10E-10
2924	740353.15	4108499.4	4.79E-10	8.72E-10	4.79E-11	1.40E-09	7.42E-11	1.43E-10	7.18E-12	2.24E-10	7.22E-11	1.23E-10	9.12E-12	2.04E-10	4.10E-11	6.79E-11	2.25E-12	1.11E-10
2925	740377.32	4108464.69	4.86E-10	8.85E-10	4.86E-11	1.42E-09	7.53E-11	1.45E-10	7.29E-12	2.28E-10	7.33E-11	1.25E-10	9.26E-12	2.07E-10	4.16E-11	6.89E-11	2.28E-12	1.13E-10
2926	740401.49	4108429.98	4.93E-10	8.98E-10	4.93E-11	1.44E-09	7.64E-11	1.47E-10	7.40E-12	2.31E-10	7.43E-11	1.27E-10	9.39E-12	2.10E-10	4.22E-11	6.99E-11	2.32E-12	1.14E-10
2927	740425.67	4108395.27	4.99E-10	9.08E-10	4.99E-11	1.46E-09	7.73E-11	1.49E-10	7.48E-12	2.34E-10	7.52E-11	1.28E-10	9.50E-12	2.13E-10	4.27E-11	7.07E-11	2.34E-12	1.16E-10
2928	740449.84	4108360.55	5.02E-10	9.15E-10	5.02E-11	1.47E-09	7.78E-11	1.50E-10	7.53E-12	2.35E-10	7.57E-11	1.29E-10	9.57E-12	2.14E-10	4.30E-11	7.12E-11	2.36E-12	1.17E-10
2929	740474.01	4108325.84	5.03E-10	9.17E-10	5.03E-11	1.47E-09	7.80E-11	1.50E-10	7.55E-12	2.36E-10	7.59E-11	1.29E-10	9.59E-12	2.15E-10	4.31E-11	7.13E-11	2.36E-12	1.17E-10
2930	740498.18	4108291.13	5.02E-10	9.14E-10	5.02E-11	1.47E-09	7.78E-11	1.50E-10	7.53E-12	2.35E-10	7.57E-11	1.29E-10	9.56E-12	2.14E-10	4.30E-11	7.11E-11	2.36E-12	1.16E-10
2931	740522.36	4108256.42	4.98E-10	9.07E-10	4.98E-11	1.45E-09	7.72E-11	1.49E-10	7.47E-12	2.33E-10	7.51E-11	1.28E-10	9.49E-12	2.13E-10	4.27E-11	7.06E-11	2.34E-12	1.16E-10
2932	740546.53	4108221.71	4.91E-10	8.95E-10	4.91E-11	1.44E-09	7.62E-11	1.47E-10	7.37E-12	2.30E-10	7.41E-11	1.26E-10	9.36E-12	2.10E-10	4.21E-11	6.96E-11	2.31E-12	1.14E-10
2933	740570.7	4108187	4.82E-10	8.79E-10	4.82E-11	1.41E-09	7.48E-11	1.44E-10	7.24E-12	2.26E-10	7.27E-11	1.24E-10	9.19E-12	2.06E-10	4.13E-11	6.84E-11	2.27E-12	1.12E-10
2934	740594.87	4108152.28	4.70E-10	8.57E-10	4.71E-11	1.37E-09	7.30E-11	1.41E-10	7.06E-12	2.21E-10	7.09E-11	1.21E-10	8.97E-12	2.01E-10	4.03E-11	6.67E-11	2.21E-12	1.09E-10
2935	740619.05	4108117.57	4.57E-10	8.32E-10	4.57E-11	1.33E-09	7.08E-11	1.36E-10	6.85E-12	2.14E-10	6.89E-11	1.17E-10	8.70E-12	1.95E-10	3.91E-11	6.48E-11	2.15E-12	1.06E-10
2936	740643.22	4108082.86	4.41E-10	8.04E-10	4.41E-11	1.29E-09	6.84E-11	1.32E-10	6.62E-12	2.07E-10	6.65E-11	1.13E-10	8.41E-12	1.88E-10	3.78E-11	6.25E-11	2.07E-12	1.02E-10
2937	740667.39	4108048.15	4.25E-10	7.74E-10	4.25E-11	1.24E-09	6.58E-11	1.27E-10	6.37E-12	1.99E-10	6.40E-11	1.09E-10	8.09E-12	1.81E-10	3.64E-11	6.02E-11	2.00E-12	9.86E-11
2938	740691.56	4108013.44	4.08E-10	7.44E-10	4.08E-11	1.19E-09	6.33E-11	1.22E-10	6.12E-12	1.91E-10	6.15E-11	1.05E-10	7.78E-12	1.74E-10	3.50E-11	5.79E-11	1.92E-12	9.47E-11
2939	740029.27	4111165.91	1.11E-09	2.03E-09	1.11E-10	3.25E-09	1.72E-10	3.32E-10	1.67E-11	5.21E-10	1.68E-10	2.86E-10	2.12E-11	4.75E-10	9.53E-11	1.58E-10	5.22E-12	2.58E-10
2940	740052.16	4111201.9	1.12E-09	2.04E-09	1.12E-10	3.27E-09	1.74E-10	3.35E-10	1.68E-11	5.25E-10	1.69E-10	2.88E-10	2.14E-11	4.78E-10	9.60E-11	1.59E-10	5.27E-12	2.60E-10
2941	739676.58	4111341.6	8.73E-10	1.59E-09	8.73E-11	2.55E-09	1.35E-10	2.61E-10	1.31E-11	4.09E-10	1.32E-10	2.24E-10	1.66E-11	3.73E-10	7.48E-11	1.24E-10	4.10E-12	2.03E-10
2942	739669.19	4111299.76	8.75E-10	1.60E-09	8.76E-11	2.56E-09	1.36E-10	2.62E-10	1.31E-11	4.10E-10	1.32E-10	2.25E-10	1.67E-11	3.74E-10	7.50E-11	1.24E-10	4.11E-12	2.03E-10
2943	739661.8	4111257.92	8.77E-10	1.60E-09	8.78E-11	2.56E-09	1.36E-10	2.62E-10	1.32E-11	4.11E-10	1.32E-10	2.26E-10	1.67E-11	3.75E-10	7.52E-11	1.24E-10	4.12E-12	2.04E-10
2944	739654.42	4111216.08	8.78E-10	1.60E-09	8.79E-11	2.57E-09	1.36E-10	2.62E-10	1.32E-11	4.12E-10	1.32E-10	2.26E-10	1.67E-11	3.75E-10	7.53E-11	1.25E-10	4.13E-12	2.04E-10
2945	739647.03	4111174.24	8.79E-10	1.60E-09	8.79E-11	2.57E-09	1.36E-10	2.63E-10	1.32E-11	4.12E-10	1.33E-10	2.26E-10	1.67E-11	3.75E-10	7.53E-11	1.25E-10	4.13E-12	2.04E-10
2946	739639.64	4111132.4	8.79E-10	1.60E-09	8.80E-11	2.57E-09	1.36E-10	2.63E-10	1.32E-11	4.12E-10	1.33E-10	2.26E-10	1.68E-11	3.75E-10	7.54E-11	1.25E-10	4.13E-12	2.04E-10
2947	739632.25	4111090.55	8.81E-10	1.61E-09	8.82E-11	2.58E-09	1.37E-10	2.63E-10	1.32E-11	4.13E-10	1.33E-10	2.27E-10	1.68E-11	3.76E-10	7.55E-11	1.25E-10	4.14E-12	2.05E-10
2948	739624.86	4111048.71	8.85E-10	1.61E-09	8.86E-11	2.59E-09	1.37E-10	2.65E-10	1.33E-11	4.15E-10	1.34E-10	2.28E-10	1.69E-11	3.78E-10	7.59E-11	1.26E-10	4.16E-12	2.06E-10
2949	739617.47	4111006.87	8.92E-10	1.62E-09	8.92E-11	2.61E-09	1.38E-10	2.66E-10	1.34E-11	4.18E-10	1.34E-10	2.29E-10	1.70E-11	3.81E-10	7.64E-11	1.26E-10	4.19E-12	2.07E-10
2950	739610.09	4110965.03	8.99E-10	1.64E-09	9.00E-11	2.63E-09	1.39E-10	2.69E-10	1.35E-11	4.22E-10	1.36E-10	2.31E-10	1.71E-11	3.84E-10	7.71E-11	1.28E-10	4.23E-12	2.09E-10
2951	739602.7	4110923.19	9.08E-10	1.65E-09	9.08E-11	2.65E-09	1.41E-10	2.71E-10	1.36E-11	4.26E-10	1.37E-10	2.33E-10	1.73E-11	3.88E-10	7.78E-11	1.29E-10	4.27E-12	2.11E-10
2952	739595.31	4110881.35	9.16E-10	1.67E-09	9.16E-11	2.68E-09	1.42E-10	2.74E-10	1.37E-11	4.29E-10	1.38E-10	2.35E-10	1.74E-11	3.91E-10	7.85E-11	1.30E-10	4.30E-12	2.13E-10
2953	739587.92	4110839.51	9.22E-10	1.68E-09	9.23E-11	2.69E-09	1.43E-10	2.75E-10	1.38E-11	4.32E-10	1.39E-10	2.37E-10	1.76E-11	3.94E-10	7.90E-11	1.31E-10	4.33E-12	2.14E-10
2954	739580.53	4110797.67	9.27E-10	1.69E-09	9.28E-11	2.71E-09	1.44E-10	2.77E-10	1.39E-11	4.35E-10	1.40E-10	2.38E-10	1.77E-11	3.96E-10	7.95E-11	1.31E-10	4.36E-12	2.15E-10
2955	739573.14	4110755.83	9.33E-10	1.70E-09	9.34E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.38E-10	1.41E-10	2.40E-10	1.78E-11	3.98E-10	8.00E-11	1.32E-10	4.39E-12	2.17E-10
2956	739565.76	4110713.98	9.43E-10	1.72E-09	9.43E-11	2.76E-09	1.46E-10	2.82E-10	1.42E-11	4.42E-10	1.42E-10	2.42E-10	1.80E-11	4.03E-10	8.08E-11	1.34E-10	4.43E-12	2.19E-10
2957	739558.37	4110672.14	9.59E-10	1.75E-09	9.59E-11	2.80E-09	1.49E-10	2.86E-10	1.44E-11	4.49E-10	1.45E-10	2.46E-10	1.83E-11	4.09E-10	8.21E-11	1.36E-10	4.50E-12	2.23E-10
2958	739550.98	4110630.3	9.83E-10	1.79E-09	9.83E-11	2.87E-09	1.52E-10	2.94E-10	1.47E-11	4.61E-10	1.48E-10	2.53E-10	1.87E-11	4.20E-10	8.42E-11	1.39E-10	4.62E-12	2.28E-10
2959	739543.59	4110588.46	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.53E-11	4.76E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.71E-11	1.44E-10	4.78E-12	2.36E-10
2960	739536.2	4110546.62	1.06E-09	1.93E-09	1.06E-10	3.09E-09	1.64E-10	3.16E-10	1.59E-11	4.96E-10	1.60E-10	2.72E-10	2.02E-11	4.52E-10	9.07E-11	1.50E-10	4.98E-12	2.46E-10
2961	739528.81	4110504.78	1.11E-09	2.02E-09	1.11E-10	3.23E-09	1.72E-10	3.31E-10	1.66E-11	5.19E-10	1.67E-10	2.85E-10	2.11E-11	4.73E-10	9.49E-11	1.57E-10	5.20E-12	2.57E-10
2962	739521.43	4110462.94	1.16E-09	2.11E-09	1.16E-10	3.38E-09	1.80E-10	3.46E-10	1.74E-11	5.43E-10	1.75E-10	2.98E-10	2.21E-11	4.95E-10	9.93E-11	1.64E-10	5.44E-12	2.69E-10
2963	739514.04	4110421.1	1.21E-09	2.20E-09	1.21E-10	3.53E-09	1.87E-10	3.61E-10	1.81E-11	5.66E-10	1.82E-10	3.10E-10	2.30E-11	5.15E-10	1.03E-10	1.71E-10	5.67E-12	2.80E-10
2964	739506.65	4110379.26	1.25E-09	2.27E-09	1.25E-10	3.65E-09	1.93E-10	3.73E-10	1.87E-11	5.85E-10	1.88E-10	3.21E-10	2.38E-11	5.33E-10	1.07E-10	1.77E-10	5.86E-12	2.90E-10
2965	739499.26	4110337.41	1.28E-09	2.33E-09	1.28E-10	3.73E-09	1.98E-10	3.81E-10	1.92E-11	5.99E-10	1.93E-10	3.28E-10	2.43E-11	5.45E-10	1.09E-10	1.81E-10	6.00E-12	2.96E-10
2966	739491.87	4110295.57	1.29E-09	2.35E-09	1.29E-10	3.77E-09	2.00E-10	3.86E-10	1.94E-11	6.05E-10	1.95E-10	3.32E-10	2.46E-11	5.51E-10	1.11E-10	1.83E-10	6.07E-12	3.00E-10
2967	739484.48	4110253.73	1.29E-09	2.35E-09	1.29E-10	3.77E-09	2.00E-10	3.85E-10	1.94E-11	6.05E-10	1.94E-10	3.32E-10	2.46E-11	5.51E-10	1.11E-10	1.83E-10	6.06E-12	2.99E-10
2968	739477.1	4110211.89	1.28E-09	2.32E-09	1.28E-10	3.73E-09	1.98E-10	3.81E-10	1.91E-11	5.98E-10	1.92E-10	3.28E-10	2.43E-11	5.44E-10	1.09E-10	1.81E-10	5.99E-12	2.96E-10
2969	739469.71	4110170.05	1.25E-09	2.28E-09	1.25E-10	3.65E-09	1.94E-10	3.73E-10	1.87E-11	5.86E-10	1.88E-10	3.21E-10	2.38E-11	5.33E-10	1.07E-10	1.77E-10	5.87E-12	2.90E-10
2970	739462.32	4110128.21	1.22E-09	2.21E-09	1.22E-10	3.55E-09	1.88E-10	3.63E-10	1.82E-11	5.70E-10	1.83E-10	3.12E-10	2.32E-11	5.19E-10	1.04E-10	1.72E-10	5.71E-12	2.82E-10
2971	739454.93	4110086.37	1.18E-09	2.14E-09	1.18E-10	3.44E-09	1.82E-10	3.51E-10	1.77E-11	5.52E-10	1.77E-10	3.02E-10	2.24E-11	5.02E-10	1.01E-10	1.67E-10	5.53E-12	2.73E-10
2972	739447.54	4110044.53	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.40E-10	1.71E-11	5.33E-10	1.71E-10	2.92E-10	2.17E-11	4.85E-10	9.74E-11	1.61E-10	5.34E-12	2.64E-10

2973	739440.15	4110002.69	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.27E-10	1.64E-11	5.14E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.39E-11	1.55E-10	5.15E-12	2.54E-10
2974	739432.77	4109960.84	1.05E-09	1.92E-09	1.06E-10	3.08E-09	1.64E-10	3.15E-10	1.58E-11	4.94E-10	1.59E-10	2.71E-10	2.01E-11	4.50E-10	9.04E-11	1.50E-10	4.96E-12	2.45E-10
2975	739425.38	4109919	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.57E-10	3.03E-10	1.52E-11	4.76E-10	1.53E-10	2.61E-10	1.93E-11	4.33E-10	8.70E-11	1.44E-10	4.77E-12	2.36E-10
2976	739417.99	4109877.16	9.78E-10	1.78E-09	9.79E-11	2.86E-09	1.52E-10	2.92E-10	1.47E-11	4.59E-10	1.48E-10	2.52E-10	1.86E-11	4.18E-10	8.38E-11	1.39E-10	4.60E-12	2.27E-10
2977	739410.6	4109835.32	9.44E-10	1.72E-09	9.45E-11	2.76E-09	1.46E-10	2.82E-10	1.42E-11	4.43E-10	1.42E-10	2.43E-10	1.80E-11	4.03E-10	8.09E-11	1.34E-10	4.44E-12	2.19E-10
2978	739403.21	4109793.48	9.15E-10	1.67E-09	9.15E-11	2.67E-09	1.42E-10	2.73E-10	1.37E-11	4.29E-10	1.38E-10	2.35E-10	1.74E-11	3.90E-10	7.84E-11	1.30E-10	4.30E-12	2.12E-10
2979	739395.82	4109751.64	8.90E-10	1.62E-09	8.91E-11	2.60E-09	1.38E-10	2.66E-10	1.34E-11	4.17E-10	1.34E-10	2.29E-10	1.70E-11	3.80E-10	7.63E-11	1.26E-10	4.18E-12	2.07E-10
2980	739388.44	4109709.8	8.71E-10	1.59E-09	8.72E-11	2.55E-09	1.35E-10	2.60E-10	1.31E-11	4.09E-10	1.31E-10	2.24E-10	1.66E-11	3.72E-10	7.47E-11	1.24E-10	4.09E-12	2.02E-10
2981	739381.05	4109667.96	8.59E-10	1.56E-09	8.59E-11	2.51E-09	1.33E-10	2.56E-10	1.29E-11	4.03E-10	1.29E-10	2.21E-10	1.64E-11	3.67E-10	7.36E-11	1.22E-10	4.03E-12	1.99E-10
2982	739373.66	4109626.12	8.51E-10	1.55E-09	8.52E-11	2.49E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.30E-11	1.21E-10	4.00E-12	1.98E-10
2983	739366.27	4109584.27	8.49E-10	1.55E-09	8.50E-11	2.48E-09	1.32E-10	2.54E-10	1.27E-11	3.98E-10	1.28E-10	2.18E-10	1.62E-11	3.63E-10	7.28E-11	1.20E-10	3.99E-12	1.97E-10
2984	739358.88	4109542.43	8.51E-10	1.55E-09	8.51E-11	2.49E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.97E-10
2985	739351.49	4109500.59	8.54E-10	1.56E-09	8.54E-11	2.50E-09	1.32E-10	2.55E-10	1.28E-11	4.00E-10	1.29E-10	2.19E-10	1.63E-11	3.65E-10	7.32E-11	1.21E-10	4.01E-12	1.98E-10
2986	739344.11	4109458.75	8.57E-10	1.56E-09	8.58E-11	2.51E-09	1.33E-10	2.56E-10	1.29E-11	4.02E-10	1.29E-10	2.20E-10	1.63E-11	3.66E-10	7.35E-11	1.22E-10	4.03E-12	1.99E-10
2987	739336.72	4109416.91	8.59E-10	1.57E-09	8.59E-11	2.51E-09	1.33E-10	2.57E-10	1.29E-11	4.03E-10	1.30E-10	2.21E-10	1.64E-11	3.67E-10	7.36E-11	1.22E-10	4.04E-12	1.99E-10
2988	739329.33	4109375.07	8.58E-10	1.56E-09	8.58E-11	2.51E-09	1.33E-10	2.56E-10	1.29E-11	4.02E-10	1.29E-10	2.20E-10	1.63E-11	3.66E-10	7.35E-11	1.22E-10	4.03E-12	1.99E-10
2989	739334.08	4109315.79	8.54E-10	1.56E-09	8.55E-11	2.50E-09	1.32E-10	2.55E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.32E-11	1.21E-10	4.02E-12	1.98E-10
2990	739358.36	4109280.93	8.55E-10	1.56E-09	8.56E-11	2.50E-09	1.33E-10	2.56E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.33E-11	1.21E-10	4.02E-12	1.99E-10
2991	739382.64	4109246.06	8.50E-10	1.55E-09	8.51E-11	2.48E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.97E-10
2992	739406.92	4109211.19	8.39E-10	1.53E-09	8.39E-11	2.45E-09	1.30E-10	2.51E-10	1.26E-11	3.93E-10	1.26E-10	2.16E-10	1.60E-11	3.58E-10	7.19E-11	1.19E-10	3.94E-12	1.95E-10
2993	739431.2	4109176.33	8.22E-10	1.50E-09	8.23E-11	2.40E-09	1.28E-10	2.46E-10	1.23E-11	3.86E-10	1.24E-10	2.11E-10	1.57E-11	3.51E-10	7.05E-11	1.17E-10	3.87E-12	1.91E-10
2994	739455.48	4109141.46	8.00E-10	1.46E-09	8.01E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.21E-10	2.06E-10	1.52E-11	3.42E-10	6.86E-11	1.13E-10	3.76E-12	1.86E-10
2995	739479.77	4109106.59	7.74E-10	1.41E-09	7.75E-11	2.26E-09	1.20E-10	2.31E-10	1.16E-11	3.63E-10	1.17E-10	1.99E-10	1.48E-11	3.30E-10	6.63E-11	1.10E-10	3.64E-12	1.80E-10
2996	739504.05	4109071.72	7.45E-10	1.36E-09	7.46E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.49E-10	1.12E-10	1.92E-10	1.42E-11	3.18E-10	6.38E-11	1.06E-10	3.50E-12	1.73E-10
2997	739528.33	4109036.86	7.14E-10	1.30E-09	7.15E-11	2.09E-09	1.11E-10	2.13E-10	1.07E-11	3.35E-10	1.08E-10	1.84E-10	1.36E-11	3.05E-10	6.12E-11	1.01E-10	3.36E-12	1.66E-10
2998	739552.61	4109001.99	6.83E-10	1.25E-09	6.84E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.20E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.85E-11	9.69E-11	3.21E-12	1.59E-10
2999	739576.89	4108967.12	6.53E-10	1.19E-09	6.53E-11	1.91E-09	1.01E-10	1.95E-10	9.80E-12	3.06E-10	9.85E-11	1.68E-10	1.24E-11	2.79E-10	5.60E-11	9.26E-11	3.07E-12	1.52E-10
3000	739601.17	4108932.26	6.25E-10	1.14E-09	6.25E-11	1.83E-09	9.69E-11	1.87E-10	9.38E-12	2.93E-10	9.42E-11	1.61E-10	1.19E-11	2.67E-10	5.36E-11	8.86E-11	2.94E-12	1.45E-10
3001	739625.45	4108897.39	6.00E-10	1.09E-09	6.00E-11	1.75E-09	9.30E-11	1.79E-10	9.00E-12	2.81E-10	9.04E-11	1.54E-10	1.14E-11	2.56E-10	5.14E-11	8.50E-11	2.82E-12	1.39E-10
3002	739649.73	4108862.52	5.77E-10	1.05E-09	5.78E-11	1.69E-09	8.95E-11	1.72E-10	8.66E-12	2.71E-10	8.70E-11	1.48E-10	1.10E-11	2.46E-10	4.95E-11	8.18E-11	2.71E-12	1.34E-10
3003	739674.01	4108827.66	5.57E-10	1.01E-09	5.57E-11	1.63E-09	8.64E-11	1.66E-10	8.36E-12	2.61E-10	8.40E-11	1.43E-10	1.06E-11	2.38E-10	4.77E-11	7.90E-11	2.62E-12	1.29E-10
3004	739698.29	4108792.79	5.38E-10	9.81E-10	5.39E-11	1.57E-09	8.35E-11	1.61E-10	8.08E-12	2.52E-10	8.12E-11	1.38E-10	1.03E-11	2.30E-10	4.61E-11	7.63E-11	2.53E-12	1.25E-10
3005	739722.57	4108757.92	5.21E-10	9.49E-10	5.21E-11	1.52E-09	8.07E-11	1.56E-10	7.81E-12	2.44E-10	7.85E-11	1.34E-10	9.92E-12	2.22E-10	4.46E-11	7.38E-11	2.45E-12	1.21E-10
3006	739746.85	4108723.05	5.03E-10	9.16E-10	5.03E-11	1.47E-09	7.80E-11	1.50E-10	7.54E-12	2.36E-10	7.58E-11	1.29E-10	9.58E-12	2.15E-10	4.31E-11	7.13E-11	2.36E-12	1.17E-10
3007	739771.13	4108688.19	4.84E-10	8.82E-10	4.85E-11	1.42E-09	7.51E-11	1.45E-10	7.27E-12	2.27E-10	7.30E-11	1.24E-10	9.23E-12	2.07E-10	4.15E-11	6.87E-11	2.28E-12	1.12E-10
3008	739795.42	4108653.32	4.65E-10	8.48E-10	4.65E-11	1.36E-09	7.21E-11	1.39E-10	6.98E-12	2.18E-10	7.01E-11	1.20E-10	8.86E-12	1.99E-10	3.99E-11	6.60E-11	2.19E-12	1.08E-10
3009	739819.7	4108618.45	4.45E-10	8.11E-10	4.46E-11	1.30E-09	6.91E-11	1.33E-10	6.68E-12	2.09E-10	6.72E-11	1.14E-10	8.49E-12	1.90E-10	3.82E-11	6.31E-11	2.09E-12	1.03E-10
3010	739843.98	4108583.59	4.26E-10	7.76E-10	4.26E-11	1.24E-09	6.60E-11	1.27E-10	6.39E-12	2.00E-10	6.42E-11	1.09E-10	8.11E-12	1.82E-10	3.65E-11	6.04E-11	2.00E-12	9.88E-11
3011	739868.26	4108548.72	4.07E-10	7.42E-10	4.08E-11	1.19E-09	6.32E-11	1.22E-10	6.11E-12	1.91E-10	6.14E-11	1.05E-10	7.76E-12	1.74E-10	3.49E-11	5.78E-11	1.91E-12	9.46E-11
3012	739892.54	4108513.85	3.91E-10	7.12E-10	3.91E-11	1.14E-09	6.06E-11	1.17E-10	5.87E-12	1.83E-10	5.90E-11	1.00E-10	7.45E-12	1.67E-10	3.35E-11	5.54E-11	1.84E-12	9.08E-11
3013	739916.82	4108478.98	3.78E-10	6.89E-10	3.78E-11	1.10E-09	5.86E-11	1.13E-10	5.67E-12	1.77E-10	5.70E-11	9.71E-11	7.20E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.77E-11
3014	739941.1	4108444.12	3.68E-10	6.71E-10	3.69E-11	1.08E-09	5.71E-11	1.10E-10	5.53E-12	1.73E-10	5.55E-11	9.47E-11	7.02E-12	1.57E-10	3.16E-11	5.22E-11	1.73E-12	8.55E-11
3015	739965.38	4108409.25	3.63E-10	6.61E-10	3.63E-11	1.06E-09	5.63E-11	1.08E-10	5.45E-12	1.70E-10	5.47E-11	9.33E-11	6.92E-12	1.55E-10	3.11E-11	5.15E-11	1.71E-12	8.43E-11
3016	739989.66	4108374.38	3.61E-10	6.58E-10	3.61E-11	1.06E-09	5.60E-11	1.08E-10	5.42E-12	1.69E-10	5.45E-11	9.28E-11	6.88E-12	1.54E-10	3.09E-11	5.12E-11	1.70E-12	8.39E-11
3017	740013.94	4108339.52	3.63E-10	6.61E-10	3.63E-11	1.06E-09	5.63E-11	1.08E-10	5.44E-12	1.70E-10	5.47E-11	9.33E-11	6.91E-12	1.55E-10	3.11E-11	5.14E-11	1.70E-12	8.42E-11
3018	740038.22	4108304.65	3.67E-10	6.68E-10	3.67E-11	1.07E-09	5.69E-11	1.10E-10	5.50E-12	1.72E-10	5.53E-11	9.42E-11	6.99E-12	1.57E-10	3.14E-11	5.20E-11	1.72E-12	8.51E-11
3019	740062.5	4108269.78	3.72E-10	6.78E-10	3.72E-11	1.09E-09	5.77E-11	1.11E-10	5.58E-12	1.74E-10	5.61E-11	9.57E-11	7.09E-12	1.59E-10	3.19E-11	5.28E-11	1.75E-12	8.64E-11
3020	740086.78	4108234.92	3.78E-10	6.89E-10	3.78E-11	1.11E-09	5.86E-11	1.13E-10	5.68E-12	1.77E-10	5.70E-11	9.72E-11	7.21E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.78E-11
3021	740111.07	4108200.05	3.84E-10	7.00E-10	3.84E-11	1.12E-09	5.96E-11	1.15E-10	5.77E-12	1.80E-10	5.79E-11	9.88E-11	7.32E-12	1.64E-10	3.29E-11	5.45E-11	1.81E-12	8.92E-11
3022	740135.35	4108165.18	3.90E-10	7.10E-10	3.90E-11	1.14E-09	6.04E-11	1.16E-10	5.85E-12	1.83E-10	5.87E-11	1.00E-10	7.42E-12	1.66E-10	3.34E-11	5.52E-11	1.83E-12	9.04E-11
3023	740159.63	4108130.31	3.94E-10	7.17E-10	3.94E-11	1.15E-09	6.10E-11	1.18E-10	5.91E-12	1.85E-10	5.93E-11	1.01E-10	7.50E-12	1.68E-10	3.37E-11	5.58E-11	1.85E-12	9.14E-11
3024	740183.91	4108095.45	3.96E-10	7.22E-10	3.96E-11	1.16E-09	6.14E-11	1.18E-10	5.94E-12	1.86E-10	5.97E-11	1.02E-10	7.55E-12	1.69E-10	3.39E-11	5.61E-11	1.86E-12	9.19E-11
3025	740208.19	4108060.58	3.97E-10	7.24E-10	3.97E-11	1.16E-09	6.16E-11	1.19E-10	5.96E-12	1.86E-10	5.99E-11	1.02E-10	7.57E-12	1.70E-10	3.40E-11	5.63E-11	1.87E-12	9.22E-11
3026	740232.47	4108025.71	3.97E-10	7.23E-10	3.97E-11	1.16E-09	6.15E-11	1.19E-10	5.95E-12	1.86E-10	5.98E-11	1.02E-10	7.56E-12	1.69E-10	3.40E-11	5.62E-11	1.86E-12	9.21E-11
3027	740256.75	4107990.85	3.95E-10	7.20E-10	3.95E-11	1.15E-09	6.13E-11	1.18E-10	5.93E-12	1.85E-10	5.96E-11	1.02E-10	7.53E-12	1.69E-10	3.38E-11	5.60E-11	1.86E-12	9.17E-11
3028	740281.03	4107955.98	3.92E-10	7.14E-10	3.92E-11	1.14E-09	6.08E-11	1.17E-10	5.88E-12	1.84E-10	5.91E-11	1.01E-10	7.47E-12	1.67E-10	3.36E-11	5.56E-11	1.84E-12	9.10E-11
3029	740305.31	4107921.11	3.87E-10	7.06E-10	3.88E-11	1.13E-09	6.01E-11	1.16E-10	5.81E-12	1.82E-10	5.84E-11	9.96E-11	7.38E-12	1.65E-10	3.32E-11	5.49E-11	1.82E-12	8.99E-11
3030	740329.59	4107886.25	3.81E-10	6.95E-10	3.82E-11	1.11E-09	5.92E-11	1.14E-10	5.73E-12	1.79E-10	5.75E-11	9.81E-11	7.27E-12	1.63E-10	3.27E-11	5.41E-11	1.79E-12	8.86E-11
3031	740353.87	4107851.38	3.74E-10	6.82E-10	3.74E-11	1.09E-09	5.80E-11	1.12E-10	5.61E-12	1.75E-10	5.64E-11	9.62E-11	7.13E-12	1.60E-10	3.21E-11	5.30E-11	1.76E-12	8.69E-11
3032	740378.15	4107816.51	3.65E-10	6.66E-10	3.66E-11	1.07E-09	5.67E-11	1.09E-10	5.48E-12	1.71E-10	5.51E-11	9.39E-11	6.96E-12	1.56E-10	3.13E-11	5.18E-11	1.72E-12	8.48E-11
3033	740402.44	4107781.64	3.55E-10	6.47E-10	3.55E-11	1.04E-09	5.51E-11	1.06E-10	5.33E-12	1.66E-10	5.36E-11	9.13E-11	6.77E-12	1.52E-10	3.04E-11	5.04E-11	1.67E-12	8.25E-11
3034	740426.72	4107746.78	3.44E-10	6.26E-10	3.44E-11	1.00E-09	5.33E-11	1.03E-10	5.16E-12	1.61E-10	5.18E-11	8.84E-11	6.55E-12	1.47E-10	2.95E-11	4.87E-11	1.62E-12	7.98E-11
3035	740451	4107711.91	3.32E-10	6.05E-10	3.32E-11	9.70E-10	5.15E-11	9.92E-11	4.98E-12	1.56E-10	5.01E-11	8.53E-11	6.33E-12	1.42E-10	2.84E-11	4.71E-11	1.56E-12	7.71E-11
3036	740475.28	4107677.04	3.20E-10	5.82E-10	3.20E-11	9.34E-10	4.96E-11	9.55E-11	4.80E-12	1.50E-10	4.82E-11	8.22E-11	6.09E-12	1.36E-10	2.74E-11	4.53E-11	1.50E-12	7.42E-11
3037	739691.72	4111380.52	8.74E-10	1.59E-09	8.74E-11	2.55E-09	1.36E-10	2.61E-10	1.31E-11	4.10E-10	1.32E-10	2.25E-10	1.67E-11	3.73E-10	7.49E-11	1.24E-10	4.11E-12	2.03E-10
3038	739714.6	4111416.51	8.79E-10	1.60E-09	8.80E-11	2.57E-09	1.36E-10	2.63E-10	1.32E-11	4.12E-10	1.33E-10	2.26E-10	1.68E-11	3.75E-10	7.53E-11	1.25E-10	4.13E-12	2.04E-10
3039	739339.01	4111556.14	7.11E-10	1.30E-09	7.11E-11	2.08E-09	1.10E-10	2.12E-10	1.07E-11	3.33E-10	1.07E-10	1.83E-10	1.35E-11	3.03E-10	6.09E-11	1.01E-10	3.34E-12	1.65E-10
3040	739331.6	4111514.16	7.14E-10	1.30E-09	7.14E-11	2.09E-09	1.11E-10	2.13E-10	1.07E-11	3.35E-10	1.08E-10	1.83E-10	1.36E-11	3.05E-10	6.12E-11	1.01E-10	3.35E-12	1.66E-10
3041	739324.19	4111472.18	7.16E-10	1.30E-09	7.16E-11	2.09E-09	1.11E-10	2.14E-10	1.07E-11	3.36E-10	1.08E-10	1.84E-10	1.36E-11	3.06E-10	6.14E-11	1.02E-10	3.36E-12	1.66E-10
3042	739316.78	4111430.2	7.18E-10	1.31E-09	7.18E-11	2.10E-09	1.11E-10	2.14E-10	1.08E-11	3.36E-10	1.08E-10	1.84E-10	1.37E-11	3.06E-10	6.15E-11	1.02E-10	3.37E-12	1.67E-10
3043	739309.36	4111388.22	7.18E-10	1.31E-09	7.19E-11	2.10E-09	1.11E-10	2.15E-10	1.08E-11	3.37E-10	1.08E-10	1.85E-10	1.37E-11	3.07E-10	6.15E-11	1.02E-10	3.38E-12	1.67E-10
3044	739301.95	4111346.24	7.18E-10	1.31E-09	7.19E-11	2.10E-09	1.11E-10	2.15E-10	1.08E-11	3.37E-10	1.08E-10	1.85E-10	1.37E-11	3.07E-10	6.15E-11	1.02E-10	3.38E-12	1.67E-10
3045	739294.54	4111304.26	7.18E-10	1.31E-09	7.18E-11	2.10E-09	1.11E-10	2.15E-10	1.08E-11	3.37E-10	1.08E-10	1.85E-10	1.37E-11	3.07E-10	6.15E-11	1.02E-10	3.37E-12	1.67E-10
3046	739287.12	4111262.28	7.19E-10	1.31E-09	7.19E-11	2.10E-09	1.11E-10	2.15E-10	1.08E-11	3.37E-10	1.08E-10	1.85E-10	1.37E-11	3.07E-10	6.16E-11	1.02E-10	3.38E-12	1.67E-10
3047	739279.71	4111220.3	7.21E-10	1.31E-09	7.21E-11	2.11E-09	1.12E-10	2.15E-10	1.08E-11	3.38E-10	1.09E-10	1.85E-10	1.37E-11	3.08E-10	6.18E-11	1.02E-10	3.39E-12	1.67E-10
3048	739272.3	4111178.32	7.25E-10	1.32E-09	7.25E-11	2.12E-09	1.12E-10	2.16E-10	1.09E-11	3.40E-10	1.09E-10	1.86E-10	1.38E-11	3.09E-10	6.21E-11	1.03E-10	3.40E-12	1.68E-10
3049	739264.88	4111136.33	7.30E-10	1.33E-09	7.30E-11	2.13E-09	1.13E-10	2.18E-10	1.10E-11	3.42E-10	1.10E-10	1.88E-10	1.39E-11	3.12E-10	6.25E-11	1.03E-10	3.43E-12	1.69E-10
3050	739257.47	4111094.35	7.36E-10	1.34E-09	7.36E-11	2.15E-09	1.14E-10	2.20E-10	1.10E-11	3.45E-10	1.11E-10	1.89E-10	1.40E-11	3.14E-10	6.31E-11	1.04E-10	3.46E-12	1.71E-10
3051	739250.06	4111052.37	7.42E-10	1.35E-09	7.43E-11	2.17E-09	1.15E-10	2.22E-10	1.11E-11	3.48E-10	1.12E-10	1.91E-10	1.41E-11	3.17E-10	6.36E-11	1.05E-10	3.49E-12	1.72E-10
3052	739242.65	4111010.39	7.48E-10	1.36E-09	7.49E-11	2.19E-09	1.16E-10	2.23E-10	1.12E-11	3.51E-10	1.13E-10	1.92E-10	1.43E-11	3.19E-10	6.41E-11	1.06E-10	3.52E-12	1.74E-10
3053	739235.23	4110968.41	7.53E-10	1.37E-09	7.53E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.53E-10	1.14E-10	1.93E-10	1.43E-11	3.21E-10	6.45E-11	1.07E-10	3.54E-12	1.75E-10
3054	739227.82	4110926.43	7.56E-10	1.38E-09	7.56E-11	2.21E-09	1.17E-10	2.26E-10	1.13E-11	3.54E-10	1.14E-10	1.94E-10	1.44E-11	3.23E-10	6.48E-11	1.07E-10	3.55E-12	1.75E-10
3055	739220.41	4110884.45	7.59E-10	1.38E-09	7.59E-11	2.22E-09	1.18E-10	2.27E-10	1.14E-11	3.56E-10	1.14E-10	1.95E-10	1.45E-11	3.24E-10	6.50E-11	1.08E-10	3.57E-12	1.76E-10
3056	739212.99	4110842.47	7.63E-10	1.39E-09	7.63E-11	2.23E-09	1.18E-10	2.28E-10	1.15E-11	3.58E-10	1.15E-10	1.96E-10	1.45E-11	3.26E-10	6.54E-11	1.08E-10	3.59E-12	1.77E-10
3057	739205.58	4110800.49	7.70E-10	1.40E-09	7.70E-11	2.25E-09	1.19E-10	2.30E-10	1.16E-11	3.61E-10	1.16E-10	1.98E-10	1.47E-11	3.29E-10	6.60E-11	1.09E-10	3.62E-12	1.79E-10
3058	739198.17	4110758.51	7.82E-10	1.42E-09	7.82E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.66E-10	1.18E-10	2.01E-10	1.49E-11	3.34E-10	6.70E-11	1.11E-10	3.67E-12	1.81E-10
3059	739190.75	4110716.53	7.99E-10	1.46E-09	8.00E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.21E-10	2.06E-10	1.52E-11	3.41E-10	6.85E-11	1.13E-10	3.76E-12	1.86E-10
3060	739183.34	4110674.55	8.24E-10	1.50E-09	8.25E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.86E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.06E-11	1.17E-10	3.87E-12	1.91E-10
3061	739175.93	4110632.57	8.55E-10	1.56E-09	8.55E-11	2.50E-09	1.33E-10	2.55E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.32E-11	1.21E-10	4.02E-12	1.98E-10
3062	739168.52	4110590.59	8.90E-10	1.62E-09	8.90E-11	2.60E-09	1.38E-10	2.66E-10	1.34E-11	4.17E-10	1.34E-10	2.29E-10	1.70E-11	3.80E-10	7.62E-11	1.26E-10	4.18E-12	2.07E-10
3063	739161.1	4110548.6	9.28E-10	1.69E-09	9.28E-11	2.71E-09	1.44E-10	2.77E-10	1.39E-11	4.35E-10	1.40E-10	2.38E-10	1.77E-11	3.96E-10	7.95E-11	1.32E-10	4.36E-12	2.15E-10
3064	739153.69	4110506.62	9.66E-10	1.76E-09	9.66E-11	2.82E-09	1.50E-10	2.88E-10	1.45E-11	4.53E-10	1.46E-10	2.48E-10	1.84E-11	4.12E-10	8.27E-11	1.37E-10	4.54E-12	2.24E-10
3065	739146.28	4110464.64	1.00E-09	1.82E-09	1.00E-10	2.92E-09	1.55E-10	2.99E-10	1.50E-11	4.69E-10	1.51E-10	2.57E-10	1.91E-11	4.27E-10	8.57E-11	1.42E-10	4.70E-12	2.32E-10
3066	739138.86	4110422.66	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.07E-10	1.54E-11	4.82E-10	1.55E-10	2.65E-10	1.96E-11	4.39E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
3067	739131.45	4110380.68	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.63E-10	3.13E-10	1.57E-11	4.92E-10	1.58E-10	2.70E-10	2.00E-11	4.48E-10	8.98E-11	1.49E-10	4.93E-12	2.43E-10
3068	739124.04	4110338.7	1.06E-09	1.93E-09	1.06E-10	3.09E-09	1.64E-10	3.16E-10	1.59E-11	4.96E-10	1.60E-10	2.72E-10	2.02E-11	4.52E-10	9.06E-11	1.50E-10	4.97E-12	2.46E-10

3069	739116.62	4110296.72	1.06E-09	1.92E-09	1.06E-10	3.09E-09	1.64E-10	3.16E-10	1.59E-11	4.95E-10	1.59E-10	2.72E-10	2.01E-11	4.51E-10	9.05E-11	1.50E-10	4.96E-12	2.45E-10
3070	739109.21	4110254.74	1.04E-09	1.90E-09	1.05E-10	3.05E-09	1.62E-10	3.12E-10	1.57E-11	4.90E-10	1.58E-10	2.69E-10	1.99E-11	4.46E-10	8.95E-11	1.48E-10	4.91E-12	2.43E-10
3071	739101.8	4110212.76	1.03E-09	1.87E-09	1.03E-10	3.00E-09	1.59E-10	3.06E-10	1.54E-11	4.81E-10	1.55E-10	2.64E-10	1.95E-11	4.38E-10	8.79E-11	1.45E-10	4.82E-12	2.38E-10
3072	739094.39	4110170.78	1.00E-09	1.82E-09	1.00E-10	2.92E-09	1.55E-10	2.99E-10	1.50E-11	4.69E-10	1.51E-10	2.57E-10	1.91E-11	4.27E-10	8.58E-11	1.42E-10	4.70E-12	2.32E-10
3073	739086.97	4110128.8	9.73E-10	1.77E-09	9.73E-11	2.84E-09	1.51E-10	2.91E-10	1.46E-11	4.56E-10	1.47E-10	2.50E-10	1.85E-11	4.15E-10	8.33E-11	1.38E-10	4.57E-12	2.26E-10
3074	739079.56	4110086.82	9.43E-10	1.72E-09	9.44E-11	2.76E-09	1.46E-10	2.82E-10	1.42E-11	4.42E-10	1.42E-10	2.42E-10	1.80E-11	4.03E-10	8.08E-11	1.34E-10	4.43E-12	2.19E-10
3075	739072.15	4110044.84	9.14E-10	1.66E-09	9.14E-11	2.67E-09	1.42E-10	2.73E-10	1.37E-11	4.28E-10	1.38E-10	2.35E-10	1.74E-11	3.90E-10	7.83E-11	1.30E-10	4.29E-12	2.12E-10
3076	739064.73	4110002.85	8.84E-10	1.61E-09	8.84E-11	2.58E-09	1.37E-10	2.64E-10	1.33E-11	4.14E-10	1.33E-10	2.27E-10	1.68E-11	3.77E-10	7.57E-11	1.25E-10	4.15E-12	2.05E-10
3077	739057.32	4109960.87	8.55E-10	1.56E-09	8.55E-11	2.50E-09	1.33E-10	2.55E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.33E-11	1.21E-10	4.02E-12	1.99E-10
3078	739049.91	4109918.89	8.27E-10	1.51E-09	8.27E-11	2.42E-09	1.28E-10	2.47E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.53E-10	7.08E-11	1.17E-10	3.88E-12	1.92E-10
3079	739042.5	4109876.91	7.99E-10	1.46E-09	8.00E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.21E-10	2.05E-10	1.52E-11	3.41E-10	6.85E-11	1.13E-10	3.76E-12	1.86E-10
3080	739035.08	4109834.93	7.74E-10	1.41E-09	7.74E-11	2.26E-09	1.20E-10	2.31E-10	1.16E-11	3.63E-10	1.17E-10	1.99E-10	1.47E-11	3.30E-10	6.63E-11	1.10E-10	3.64E-12	1.80E-10
3081	739027.67	4109792.95	7.51E-10	1.37E-09	7.51E-11	2.19E-09	1.16E-10	2.24E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.21E-10	6.43E-11	1.06E-10	3.53E-12	1.74E-10
3082	739020.26	4109750.97	7.31E-10	1.33E-09	7.31E-11	2.14E-09	1.13E-10	2.18E-10	1.10E-11	3.43E-10	1.10E-10	1.88E-10	1.39E-11	3.12E-10	6.26E-11	1.04E-10	3.43E-12	1.70E-10
3083	739012.84	4109708.99	7.14E-10	1.30E-09	7.15E-11	2.09E-09	1.11E-10	2.13E-10	1.07E-11	3.35E-10	1.08E-10	1.84E-10	1.36E-11	3.05E-10	6.12E-11	1.01E-10	3.36E-12	1.66E-10
3084	739005.43	4109667.01	7.01E-10	1.28E-09	7.02E-11	2.05E-09	1.09E-10	2.10E-10	1.05E-11	3.29E-10	1.06E-10	1.80E-10	1.34E-11	2.99E-10	6.01E-11	9.94E-11	3.30E-12	1.63E-10
3085	738998.02	4109625.03	6.92E-10	1.26E-09	6.93E-11	2.02E-09	1.07E-10	2.07E-10	1.04E-11	3.25E-10	1.04E-10	1.78E-10	1.32E-11	2.96E-10	5.93E-11	9.82E-11	3.25E-12	1.61E-10
3086	738990.6	4109583.05	6.87E-10	1.25E-09	6.88E-11	2.01E-09	1.07E-10	2.05E-10	1.03E-11	3.22E-10	1.04E-10	1.77E-10	1.31E-11	2.93E-10	5.89E-11	9.74E-11	3.23E-12	1.60E-10
3087	738983.19	4109541.07	6.85E-10	1.25E-09	6.86E-11	2.00E-09	1.06E-10	2.05E-10	1.03E-11	3.21E-10	1.03E-10	1.76E-10	1.31E-11	2.93E-10	5.87E-11	9.72E-11	3.22E-12	1.59E-10
3088	738975.78	4109499.09	6.86E-10	1.25E-09	6.87E-11	2.01E-09	1.06E-10	2.05E-10	1.03E-11	3.22E-10	1.04E-10	1.76E-10	1.31E-11	2.93E-10	5.88E-11	9.73E-11	3.23E-12	1.59E-10
3089	738968.37	4109457.11	6.90E-10	1.26E-09	6.90E-11	2.02E-09	1.07E-10	2.06E-10	1.03E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.91E-11	9.78E-11	3.24E-12	1.60E-10
3090	738960.95	4109415.12	6.94E-10	1.26E-09	6.94E-11	2.03E-09	1.08E-10	2.07E-10	1.04E-11	3.25E-10	1.05E-10	1.78E-10	1.32E-11	2.96E-10	5.94E-11	9.83E-11	3.26E-12	1.61E-10
3091	738953.54	4109373.14	6.97E-10	1.27E-09	6.98E-11	2.04E-09	1.08E-10	2.08E-10	1.05E-11	3.27E-10	1.05E-10	1.79E-10	1.33E-11	2.98E-10	5.98E-11	9.89E-11	3.28E-12	1.62E-10
3092	738946.13	4109331.16	7.00E-10	1.28E-09	7.00E-11	2.04E-09	1.09E-10	2.09E-10	1.05E-11	3.28E-10	1.06E-10	1.80E-10	1.33E-11	2.99E-10	6.00E-11	9.92E-11	3.29E-12	1.62E-10
3093	738938.71	4109289.18	7.00E-10	1.27E-09	7.00E-11	2.04E-09	1.08E-10	2.09E-10	1.05E-11	3.28E-10	1.06E-10	1.80E-10	1.33E-11	2.99E-10	5.99E-11	9.92E-11	3.29E-12	1.62E-10
3094	738943.48	4109229.71	6.99E-10	1.27E-09	6.99E-11	2.04E-09	1.08E-10	2.09E-10	1.05E-11	3.28E-10	1.05E-10	1.80E-10	1.33E-11	2.98E-10	5.99E-11	9.91E-11	3.28E-12	1.62E-10
3095	738967.84	4109194.73	7.01E-10	1.28E-09	7.02E-11	2.05E-09	1.09E-10	2.10E-10	1.05E-11	3.29E-10	1.06E-10	1.80E-10	1.34E-11	2.99E-10	6.01E-11	9.94E-11	3.30E-12	1.63E-10
3096	738992.2	4109159.74	7.00E-10	1.27E-09	7.00E-11	2.04E-09	1.08E-10	2.09E-10	1.05E-11	3.28E-10	1.06E-10	1.80E-10	1.33E-11	2.99E-10	5.99E-11	9.92E-11	3.29E-12	1.62E-10
3097	739016.57	4109124.76	6.93E-10	1.26E-09	6.94E-11	2.03E-09	1.08E-10	2.07E-10	1.04E-11	3.25E-10	1.05E-10	1.78E-10	1.32E-11	2.96E-10	5.94E-11	9.83E-11	3.26E-12	1.61E-10
3098	739040.93	4109089.78	6.83E-10	1.25E-09	6.84E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.20E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.86E-11	9.69E-11	3.21E-12	1.59E-10
3099	739065.29	4109054.79	6.70E-10	1.22E-09	6.70E-11	1.96E-09	1.04E-10	2.00E-10	1.01E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.74E-11	9.50E-11	3.15E-12	1.55E-10
3100	739089.65	4109019.81	6.53E-10	1.19E-09	6.53E-11	1.91E-09	1.01E-10	1.95E-10	9.80E-12	3.06E-10	9.85E-11	1.68E-10	1.24E-11	2.79E-10	5.59E-11	9.26E-11	3.07E-12	1.52E-10
3101	739114.01	4108984.83	6.33E-10	1.15E-09	6.34E-11	1.85E-09	9.82E-11	1.89E-10	9.51E-12	2.97E-10	9.55E-11	1.63E-10	1.21E-11	2.70E-10	5.43E-11	8.98E-11	2.98E-12	1.47E-10
3102	739138.38	4108949.84	6.12E-10	1.11E-09	6.12E-11	1.79E-09	9.49E-11	1.83E-10	9.18E-12	2.87E-10	9.22E-11	1.57E-10	1.17E-11	2.61E-10	5.24E-11	8.67E-11	2.87E-12	1.42E-10
3103	739162.74	4108914.86	5.89E-10	1.07E-09	5.89E-11	1.72E-09	9.13E-11	1.76E-10	8.84E-12	2.76E-10	8.88E-11	1.51E-10	1.12E-11	2.51E-10	5.04E-11	8.35E-11	2.77E-12	1.37E-10
3104	739187.1	4108879.88	5.66E-10	1.03E-09	5.66E-11	1.65E-09	8.77E-11	1.69E-10	8.49E-12	2.65E-10	8.53E-11	1.45E-10	1.08E-11	2.41E-10	4.85E-11	8.02E-11	2.66E-12	1.31E-10
3105	739211.46	4108844.89	5.42E-10	9.88E-10	5.43E-11	1.58E-09	8.41E-11	1.62E-10	8.14E-12	2.54E-10	8.18E-11	1.39E-10	1.03E-11	2.32E-10	4.65E-11	7.69E-11	2.55E-12	1.26E-10
3106	739235.82	4108809.91	5.20E-10	9.48E-10	5.20E-11	1.52E-09	8.07E-11	1.55E-10	7.81E-12	2.44E-10	7.84E-11	1.34E-10	9.91E-12	2.22E-10	4.46E-11	7.37E-11	2.44E-12	1.21E-10
3107	739260.18	4108774.93	5.00E-10	9.11E-10	5.00E-11	1.46E-09	7.75E-11	1.49E-10	7.50E-12	2.34E-10	7.54E-11	1.28E-10	9.52E-12	2.13E-10	4.28E-11	7.08E-11	2.35E-12	1.16E-10
3108	739284.55	4108739.94	4.82E-10	8.78E-10	4.82E-11	1.41E-09	7.47E-11	1.44E-10	7.23E-12	2.26E-10	7.26E-11	1.24E-10	9.18E-12	2.06E-10	4.13E-11	6.83E-11	2.26E-12	1.12E-10
3109	739308.91	4108704.96	4.66E-10	8.48E-10	4.66E-11	1.36E-09	7.22E-11	1.39E-10	6.99E-12	2.18E-10	7.02E-11	1.20E-10	8.87E-12	1.99E-10	3.99E-11	6.60E-11	2.19E-12	1.08E-10
3110	739333.27	4108669.98	4.52E-10	8.23E-10	4.52E-11	1.32E-09	7.01E-11	1.35E-10	6.78E-12	2.12E-10	6.81E-11	1.16E-10	8.61E-12	1.93E-10	3.87E-11	6.41E-11	2.12E-12	1.05E-10
3111	739357.63	4108634.99	4.39E-10	8.01E-10	4.40E-11	1.28E-09	6.81E-11	1.31E-10	6.60E-12	2.06E-10	6.63E-11	1.13E-10	8.37E-12	1.88E-10	3.77E-11	6.23E-11	2.07E-12	1.02E-10
3112	739381.99	4108600.01	4.28E-10	7.79E-10	4.28E-11	1.25E-09	6.63E-11	1.28E-10	6.42E-12	2.00E-10	6.45E-11	1.10E-10	8.15E-12	1.83E-10	3.66E-11	6.06E-11	2.01E-12	9.93E-11
3113	739406.36	4108565.03	4.16E-10	7.58E-10	4.16E-11	1.22E-09	6.45E-11	1.24E-10	6.24E-12	1.95E-10	6.27E-11	1.07E-10	7.93E-12	1.78E-10	3.56E-11	5.90E-11	1.95E-12	9.66E-11
3114	739430.72	4108530.04	4.04E-10	7.36E-10	4.04E-11	1.18E-09	6.26E-11	1.21E-10	6.06E-12	1.89E-10	6.09E-11	1.04E-10	7.69E-12	1.72E-10	3.46E-11	5.72E-11	1.90E-12	9.37E-11
3115	739455.08	4108495.06	3.91E-10	7.12E-10	3.91E-11	1.14E-09	6.06E-11	1.17E-10	5.87E-12	1.83E-10	5.90E-11	1.00E-10	7.45E-12	1.67E-10	3.35E-11	5.54E-11	1.84E-12	9.08E-11
3116	739479.44	4108460.08	3.77E-10	6.87E-10	3.77E-11	1.10E-09	5.85E-11	1.13E-10	5.66E-12	1.77E-10	5.68E-11	9.69E-11	7.18E-12	1.61E-10	3.23E-11	5.35E-11	1.77E-12	8.75E-11
3117	739503.8	4108425.09	3.62E-10	6.60E-10	3.63E-11	1.06E-09	5.62E-11	1.08E-10	5.44E-12	1.70E-10	5.46E-11	9.31E-11	6.90E-12	1.55E-10	3.10E-11	5.14E-11	1.70E-12	8.41E-11
3118	739528.16	4108390.11	3.48E-10	6.33E-10	3.48E-11	1.02E-09	5.39E-11	1.04E-10	5.22E-12	1.63E-10	5.24E-11	8.93E-11	6.62E-12	1.48E-10	2.98E-11	4.93E-11	1.63E-12	8.07E-11
3119	739552.53	4108355.13	3.33E-10	6.07E-10	3.33E-11	9.73E-10	5.16E-11	9.95E-11	5.00E-12	1.56E-10	5.02E-11	8.56E-11	6.35E-12	1.42E-10	2.85E-11	4.72E-11	1.56E-12	7.73E-11
3120	739576.89	4108320.14	3.20E-10	5.83E-10	3.20E-11	9.34E-10	4.96E-11	9.55E-11	4.80E-12	1.50E-10	4.82E-11	8.22E-11	6.09E-12	1.37E-10	2.74E-11	4.53E-11	1.50E-12	7.42E-11
3121	739601.25	4108285.16	3.08E-10	5.62E-10	3.09E-11	9.01E-10	4.78E-11	9.21E-11	4.63E-12	1.45E-10	4.65E-11	7.93E-11	5.88E-12	1.32E-10	2.64E-11	4.37E-11	1.45E-12	7.16E-11
3122	739625.61	4108250.18	2.99E-10	5.46E-10	3.00E-11	8.75E-10	4.64E-11	8.95E-11	4.49E-12	1.40E-10	4.52E-11	7.70E-11	5.71E-12	1.28E-10	2.57E-11	4.25E-11	1.41E-12	6.95E-11
3123	739649.97	4108215.19	2.93E-10	5.34E-10	2.93E-11	8.57E-10	4.55E-11	8.76E-11	4.40E-12	1.38E-10	4.42E-11	7.54E-11	5.59E-12	1.25E-10	2.51E-11	4.16E-11	1.38E-12	6.81E-11
3124	739674.34	4108180.21	2.90E-10	5.28E-10	2.90E-11	8.47E-10	4.50E-11	8.66E-11	4.35E-12	1.36E-10	4.37E-11	7.45E-11	5.53E-12	1.24E-10	2.48E-11	4.11E-11	1.36E-12	6.73E-11
3125	739698.7	4108145.23	2.89E-10	5.27E-10	2.90E-11	8.46E-10	4.49E-11	8.65E-11	4.34E-12	1.36E-10	4.36E-11	7.44E-11	5.51E-12	1.24E-10	2.48E-11	4.10E-11	1.36E-12	6.72E-11
3126	739723.06	4108110.24	2.91E-10	5.30E-10	2.91E-11	8.51E-10	4.51E-11	8.70E-11	4.37E-12	1.36E-10	4.39E-11	7.48E-11	5.55E-12	1.24E-10	2.49E-11	4.13E-11	1.37E-12	6.76E-11
3127	739747.42	4108075.26	2.95E-10	5.37E-10	2.95E-11	8.61E-10	4.57E-11	8.80E-11	4.42E-12	1.38E-10	4.44E-11	7.57E-11	5.61E-12	1.26E-10	2.52E-11	4.18E-11	1.38E-12	6.84E-11
3128	739771.78	4108040.28	2.99E-10	5.45E-10	2.99E-11	8.74E-10	4.64E-11	8.94E-11	4.49E-12	1.40E-10	4.51E-11	7.69E-11	5.70E-12	1.28E-10	2.56E-11	4.24E-11	1.41E-12	6.95E-11
3129	739796.14	4108005.29	3.04E-10	5.55E-10	3.05E-11	8.89E-10	4.72E-11	9.09E-11	4.57E-12	1.43E-10	4.59E-11	7.82E-11	5.80E-12	1.30E-10	2.61E-11	4.32E-11	1.43E-12	7.07E-11
3130	739820.51	4107970.31	3.10E-10	5.64E-10	3.10E-11	9.05E-10	4.80E-11	9.25E-11	4.65E-12	1.45E-10	4.67E-11	7.96E-11	5.90E-12	1.32E-10	2.65E-11	4.39E-11	1.45E-12	7.19E-11
3131	739844.87	4107935.32	3.14E-10	5.72E-10	3.14E-11	9.18E-10	4.87E-11	9.38E-11	4.71E-12	1.47E-10	4.73E-11	8.07E-11	5.98E-12	1.34E-10	2.69E-11	4.45E-11	1.48E-12	7.29E-11
3132	739869.23	4107900.34	3.18E-10	5.79E-10	3.18E-11	9.28E-10	4.93E-11	9.49E-11	4.77E-12	1.49E-10	4.79E-11	8.17E-11	6.05E-12	1.36E-10	2.72E-11	4.51E-11	1.49E-12	7.38E-11
3133	739893.59	4107865.36	3.20E-10	5.84E-10	3.21E-11	9.36E-10	4.97E-11	9.57E-11	4.81E-12	1.50E-10	4.83E-11	8.24E-11	6.11E-12	1.37E-10	2.75E-11	4.54E-11	1.51E-12	7.44E-11
3134	739917.95	4107830.37	3.22E-10	5.87E-10	3.22E-11	9.42E-10	5.00E-11	9.63E-11	4.84E-12	1.51E-10	4.86E-11	8.28E-11	6.14E-12	1.38E-10	2.76E-11	4.57E-11	1.51E-12	7.48E-11
3135	739942.32	4107795.39	3.23E-10	5.88E-10	3.23E-11	9.44E-10	5.01E-11	9.65E-11	4.85E-12	1.51E-10	4.87E-11	8.30E-11	6.15E-12	1.38E-10	2.77E-11	4.58E-11	1.52E-12	7.50E-11
3136	739966.68	4107760.41	3.23E-10	5.88E-10	3.23E-11	9.43E-10	5.01E-11	9.64E-11	4.84E-12	1.51E-10	4.87E-11	8.30E-11	6.15E-12	1.38E-10	2.77E-11	4.58E-11	1.52E-12	7.49E-11
3137	739991.04	4107725.42	3.22E-10	5.86E-10	3.22E-11	9.40E-10	4.99E-11	9.61E-11	4.83E-12	1.51E-10	4.85E-11	8.27E-11	6.13E-12	1.37E-10	2.76E-11	4.56E-11	1.51E-12	7.47E-11
3138	740015.4	4107690.44	3.20E-10	5.83E-10	3.20E-11	9.35E-10	4.96E-11	9.56E-11	4.80E-12	1.50E-10	4.83E-11	8.23E-11	6.10E-12	1.37E-10	2.74E-11	4.54E-11	1.50E-12	7.43E-11
3139	740039.76	4107655.46	3.18E-10	5.79E-10	3.18E-11	9.28E-10	4.93E-11	9.49E-11	4.77E-12	1.49E-10	4.79E-11	8.17E-11	6.05E-12	1.36E-10	2.72E-11	4.51E-11	1.49E-12	7.38E-11
3140	740064.12	4107620.47	3.15E-10	5.73E-10	3.15E-11	9.20E-10	4.88E-11	9.40E-11	4.72E-12	1.48E-10	4.75E-11	8.09E-11	6.00E-12	1.34E-10	2.70E-11	4.46E-11	1.48E-12	7.31E-11
3141	740088.49	4107585.49	3.11E-10	5.66E-10	3.11E-11	9.08E-10	4.82E-11	9.29E-11	4.67E-12	1.46E-10	4.69E-11	7.99E-11	5.92E-12	1.33E-10	2.66E-11	4.41E-11	1.46E-12	7.22E-11
3142	740112.85	4107550.51	3.06E-10	5.57E-10	3.06E-11	8.94E-10	4.74E-11	9.14E-11	4.59E-12	1.43E-10	4.61E-11	7.86E-11	5.83E-12	1.31E-10	2.62E-11	4.34E-11	1.44E-12	7.10E-11
3143	740137.21	4107515.52	3.00E-10	5.47E-10	3.00E-11	8.77E-10	4.66E-11	8.97E-11	4.51E-12	1.41E-10	4.53E-11	7.72E-11	5.72E-12	1.28E-10	2.57E-11	4.26E-11	1.41E-12	6.97E-11
3144	740161.57	4107480.54	2.94E-10	5.35E-10	2.94E-11	8.58E-10	4.55E-11	8.77E-11	4.41E-12	1.38E-10	4.43E-11	7.55E-11	5.59E-12	1.25E-10	2.52E-11	4.16E-11	1.38E-12	6.82E-11
3145	740185.93	4107445.56	2.86E-10	5.21E-10	2.86E-11	8.35E-10	4.43E-11	8.54E-11	4.29E-12	1.34E-10	4.31E-11	7.35E-11	5.45E-12	1.22E-10	2.45E-11	4.05E-11	1.34E-12	6.64E-11
3146	740210.29	4107410.57	2.77E-10	5.06E-10	2.78E-11	8.11E-10	4.30E-11	8.29E-11	4.16E-12	1.30E-10	4.18E-11	7.13E-11	5.29E-12	1.18E-10	2.38E-11	3.93E-11	1.30E-12	6.44E-11
3147	740234.66	4107375.59	2.68E-10	4.89E-10	2.69E-11	7.84E-10	4.16E-11	8.02E-11	4.03E-12	1.26E-10	4.05E-11	6.90E-11	5.11E-12	1.15E-10	2.30E-11	3.81E-11	1.26E-12	6.23E-11
3148	740259.02	4107340.61	2.59E-10	4.72E-10	2.59E-11	7.57E-10	4.02E-11	7.74E-11	3.89E-12	1.22E-10	3.91E-11	6.66E-11	4.94E-12	1.11E-10	2.22E-11	3.68E-11	1.22E-12	6.02E-11
3149	739354.16	4111595.13	7.11E-10	1.30E-09	7.11E-11	2.08E-09	1.10E-10	2.12E-10	1.07E-11	3.33E-10	1.07E-10	1.83E-10	1.35E-11	3.04E-10	6.09E-11	1.01E-10	3.34E-12	1.65E-10
3150	739377.05	4111631.12	7.15E-10	1.30E-09	7.15E-11	2.09E-09	1.11E-10	2.14E-10	1.07E-11	3.35E-10	1.08E-10	1.84E-10	1.36E-11	3.05E-10	6.12E-11	1.01E-10	3.36E-12	1.66E-10
3151	741983.3	4109969.55	2.61E-07	4.75E-07	2.61E-08	7.61E-07	4.04E-08	7.78E-08	3.91E-09	1.22E-07	3.93E-08	6.70E-08	4.96E-09	1.11E-07	2.23E-08	3.69E-08	1.22E-09	6.05E-08
3152	741969.79	4109948.52	2.34E-07	4.26E-07	2.34E-08	6.82E-07	3.62E-08	6.98E-08	3.50E-09	1.09E-07	3.52E-08	6.00E-08	4.45E-09	9.97E-08	2.00E-08	3.31E-08	1.10E-09	5.42E-08
3153	741956.96	4109930.17	1.87E-07	3.40E-07	1.87E-08	5.45E-07	2.89E-08	5.57E-08	2.80E-09	8.74E-08	2.81E-08	4.79E-08	3.55E-09	7.96E-08	1.60E-08	2.64E-08	8.76E-10	4.33E-08
3154	741881.9	4109826.95	2.63E-08	4.79E-08	2.63E-09	7.68E-08	4.07E-09	7.85E-09	3.94E-10	1.23E-08	3.96E-09	6.75E-09	5.01E-10	1.12E-08	2.25E-09	3.72E-09	1.23E-10	6.10E-09
3155	741854.89	4109784.88	1.71E-08	3.11E-08	1.71E-09	4.99E-08	2.65E-09	5.10E-09	2.56E-10	8.01E-09	2.58E-09	4.39E-09	3.25E-10	7.29E-09	1.46E-09	2.42E-09	8.03E-11	3.97E-09
3156	741827.87	4109742.8	1.21E-08	2.21E-08	1.21E-09	3.55E-08	1.88E-09	3.63E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.70E-11	2.82E-09
3157	741798.74	4109761.51	1.26E-08	2.30E-08	1.27E-09	3.69E-08	1.96E-09	3.78E-09	1.90E-10	5.93E-09	1.91E-09	3.25E-09	2.41E-10	5.40E-09	1.08E-09	1.79E-09	5.94E-11	2.94E-09
3158	741773.84	4109658.66	7.23E-09	1.32E-08	7.24E-10	2.11E-08	1.12E-09	2.16E-09	1.09E-10	3.39E-09	1.09E-09	1.86E-09	1.38E-10	3.09E-09	6.20E-10	1.03E-09	3.40E-11	1.68E-09
3159	741744.71	4109677.36	7.41E-09	1.35E-08	7.41E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.47E-09	1.12E-09	1.90E-09	1.41E-10	3.16E-09	6.35E-10	1.05E-09	3.48E-11	1.72E-09
3160	741719.81	4109574.51	4.93E-09	8.98E-09	4.93E-10	1.44E-08	7.64E-10	1.47E-09	7.39E-11	2.31E-09	7.43E-10	1.27E-09	9.39E-11	2.10E-09	4.22E-10	6.99E-10	2.32E-11	1.14E-09
3161	741690.68	4109593.22	5.00E-09	9.11E-09	5.00E-10	1.46E-08	7.76E-10	1.49E-09	7.51E-11	2.34E-09	7.54E-10	1.29E-09	9.53E-11	2.14E-09	4.29E-10	7.09E-10	2.35E-11	1.16E-09
3162	741665.78	4109490.36	3.63E-09	6.62E-09	3.64E-10	1.06E-08	5.64E-10	1.09E-09	5.45E-11	1.70E-09	5.48E-10	9.34E-10	6.92E-11	1.55E-09	3.11E-10	5.15E-10	1.71E-11	8.44E-10
3163	741636.64	4109509.07	3.68E-09	6.71E-09	3.69E-10	1.08E-08	5.71E-10	1.10E-09	5.53E-11	1.73E-09	5.55E-10	9.47E-10	7.02E-11	1.57E-09	3.16E-10	5.22E-10	1.73E-11	8.55E-10
3164	741611.75	4109406.22	2.82E-09	5.14E-09	2.83E-10	8.25E-09	4.38E-10	8.44E-10	4.24E-11	1.32E-09	4.26E-10	7.26E-10	5.38E-11	1.21E-09	2.42E-10	4.00E-10	1.33E-11	6.56E-10

3165	741582.61	4109424.92	2.86E-09	5.21E-09	2.86E-10	8.36E-09	4.44E-10	8.55E-10	4.30E-11	1.34E-09	4.32E-10	7.36E-10	5.45E-11	1.22E-09	2.45E-10	4.06E-10	1.34E-11	6.64E-10
3166	741518.25	4109228.57	1.87E-09	3.40E-09	1.87E-10	5.46E-09	2.90E-10	5.58E-10	2.80E-11	8.76E-10	2.82E-10	4.80E-10	3.56E-11	7.97E-10	1.60E-10	2.65E-10	8.78E-12	4.34E-10
3167	741489.12	4109247.28	1.90E-09	3.47E-09	1.90E-10	5.56E-09	2.95E-10	5.68E-10	2.86E-11	8.92E-10	2.87E-10	4.89E-10	3.63E-11	8.12E-10	1.63E-10	2.70E-10	8.94E-12	4.42E-10
3168	741410.19	4109060.28	1.35E-09	2.47E-09	1.35E-10	3.96E-09	2.10E-10	4.05E-10	2.03E-11	6.35E-10	2.04E-10	3.48E-10	2.58E-11	5.78E-10	1.16E-10	1.92E-10	6.36E-12	3.14E-10
3169	741381.06	4109078.98	1.38E-09	2.52E-09	1.38E-10	4.04E-09	2.15E-10	4.13E-10	2.08E-11	6.49E-10	2.09E-10	3.56E-10	2.64E-11	5.91E-10	1.19E-10	1.96E-10	6.50E-12	3.21E-10
3170	741302.13	4108891.98	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.09E-10	1.55E-11	4.85E-10	1.56E-10	2.66E-10	1.97E-11	4.42E-10	8.87E-11	1.47E-10	4.87E-12	2.40E-10
3171	741272.99	4108910.69	1.06E-09	1.93E-09	1.06E-10	3.10E-09	1.64E-10	3.17E-10	1.59E-11	4.97E-10	1.60E-10	2.73E-10	2.02E-11	4.53E-10	9.09E-11	1.50E-10	4.98E-12	2.46E-10
3172	741194.07	4108723.69	8.23E-10	1.50E-09	8.23E-11	2.40E-09	1.28E-10	2.46E-10	1.23E-11	3.86E-10	1.24E-10	2.11E-10	1.57E-11	3.51E-10	7.05E-11	1.17E-10	3.87E-12	1.91E-10
3173	741164.93	4108742.4	8.44E-10	1.54E-09	8.44E-11	2.47E-09	1.31E-10	2.52E-10	1.27E-11	3.96E-10	1.27E-10	2.17E-10	1.61E-11	3.60E-10	7.23E-11	1.20E-10	3.97E-12	1.96E-10
3174	740977.94	4108387.1	5.63E-10	1.03E-09	5.63E-11	1.64E-09	8.73E-11	1.68E-10	8.45E-12	2.64E-10	8.49E-11	1.45E-10	1.07E-11	2.40E-10	4.82E-11	7.98E-11	2.64E-12	1.31E-10
3175	740948.81	4108405.81	5.78E-10	1.05E-09	5.78E-11	1.69E-09	8.96E-11	1.73E-10	8.67E-12	2.71E-10	8.71E-11	1.48E-10	1.10E-11	2.47E-10	4.95E-11	8.19E-11	2.71E-12	1.34E-10
3176	740761.82	4108050.52	4.15E-10	7.56E-10	4.15E-11	1.21E-09	6.44E-11	1.24E-10	6.23E-12	1.95E-10	6.26E-11	1.07E-10	7.91E-12	1.77E-10	3.56E-11	5.89E-11	1.95E-12	9.64E-11
3177	740732.68	4108069.22	4.26E-10	7.77E-10	4.26E-11	1.25E-09	6.61E-11	1.27E-10	6.40E-12	2.00E-10	6.43E-11	1.10E-10	8.12E-12	1.82E-10	3.65E-11	6.04E-11	2.00E-12	9.90E-11
3178	740545.69	4107713.93	3.23E-10	5.89E-10	3.23E-11	9.44E-10	5.01E-11	9.65E-11	4.85E-12	1.51E-10	4.87E-11	8.30E-11	6.16E-12	1.38E-10	2.77E-11	4.58E-11	1.52E-12	7.50E-11
3179	740516.56	4107732.64	3.31E-10	6.04E-10	3.32E-11	9.68E-10	5.14E-11	9.90E-11	4.97E-12	1.55E-10	5.00E-11	8.52E-11	6.32E-12	1.41E-10	2.84E-11	4.70E-11	1.56E-12	7.69E-11
3180	740329.57	4107377.34	2.61E-10	4.75E-10	2.61E-11	7.62E-10	4.04E-11	7.79E-11	3.91E-12	1.22E-10	3.93E-11	6.70E-11	4.97E-12	1.11E-10	2.23E-11	3.70E-11	1.23E-12	6.05E-11
3181	740300.44	4107396.05	2.67E-10	4.87E-10	2.67E-11	7.81E-10	4.14E-11	7.98E-11	4.01E-12	1.25E-10	4.03E-11	6.87E-11	5.09E-12	1.14E-10	2.29E-11	3.79E-11	1.26E-12	6.20E-11
3182	741990.48	4109983.24	2.70E-07	4.92E-07	2.70E-08	7.89E-07	4.19E-08	8.07E-08	4.05E-09	1.27E-07	4.07E-08	6.94E-08	5.15E-09	1.15E-07	2.31E-08	3.83E-08	1.27E-09	6.27E-08
3183	743559.57	4108987.29	2.07E-09	3.77E-09	2.07E-10	6.04E-09	3.21E-10	6.18E-10	3.10E-11	9.69E-10	3.12E-10	5.32E-10	3.94E-11	8.83E-10	1.77E-10	2.93E-10	9.72E-12	4.80E-10
3184	743536.45	4108951.29	2.04E-09	3.73E-09	2.05E-10	5.98E-09	3.17E-10	6.11E-10	3.07E-11	9.59E-10	3.08E-10	5.26E-10	3.90E-11	8.73E-10	1.75E-10	2.90E-10	9.61E-12	4.75E-10
3185	743513.34	4108915.3	2.01E-09	3.65E-09	2.01E-10	5.86E-09	3.11E-10	5.99E-10	3.01E-11	9.40E-10	3.02E-10	5.15E-10	3.82E-11	8.56E-10	1.72E-10	2.84E-10	9.42E-12	4.66E-10
3186	743896.14	4108771.15	1.49E-09	2.72E-09	1.49E-10	4.36E-09	2.32E-10	4.46E-10	2.24E-11	7.00E-10	2.25E-10	3.84E-10	2.85E-11	6.37E-10	1.28E-10	2.12E-10	7.02E-12	3.47E-10
3187	743873.03	4108735.15	1.48E-09	2.70E-09	1.48E-10	4.33E-09	2.30E-10	4.43E-10	2.23E-11	6.95E-10	2.24E-10	3.81E-10	2.83E-11	6.33E-10	1.27E-10	2.10E-10	6.97E-12	3.44E-10
3188	743849.91	4108699.16	1.46E-09	2.67E-09	1.46E-10	4.27E-09	2.27E-10	4.37E-10	2.20E-11	6.86E-10	2.21E-10	3.76E-10	2.79E-11	6.24E-10	1.25E-10	2.07E-10	6.87E-12	3.40E-10
3189	744232.72	4108555.01	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.45E-10	1.73E-11	5.41E-10	1.74E-10	2.97E-10	2.20E-11	4.92E-10	9.88E-11	1.64E-10	5.42E-12	2.68E-10
3190	744209.6	4108519.01	1.15E-09	2.09E-09	1.15E-10	3.35E-09	1.78E-10	3.43E-10	1.72E-11	5.38E-10	1.73E-10	2.95E-10	2.19E-11	4.90E-10	9.83E-11	1.63E-10	5.39E-12	2.66E-10
3191	744186.49	4108483.02	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.40E-10	1.71E-11	5.33E-10	1.71E-10	2.92E-10	2.17E-11	4.85E-10	9.74E-11	1.61E-10	5.34E-12	2.64E-10
3192	744569.3	4108338.87	9.34E-10	1.70E-09	9.34E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.38E-10	1.41E-10	2.40E-10	1.78E-11	3.99E-10	8.00E-11	1.32E-10	4.39E-12	2.17E-10
3193	744546.18	4108302.87	9.30E-10	1.70E-09	9.31E-11	2.72E-09	1.44E-10	2.78E-10	1.40E-11	4.36E-10	1.40E-10	2.39E-10	1.77E-11	3.97E-10	7.97E-11	1.32E-10	4.37E-12	2.16E-10
3194	744523.07	4108266.88	9.24E-10	1.68E-09	9.25E-11	2.70E-09	1.43E-10	2.76E-10	1.39E-11	4.33E-10	1.39E-10	2.38E-10	1.76E-11	3.94E-10	7.92E-11	1.31E-10	4.34E-12	2.15E-10
3195	741844.75	4109956.74	7.64E-08	1.39E-07	7.65E-09	2.23E-07	1.19E-08	2.28E-08	1.15E-09	3.58E-08	1.15E-08	1.96E-08	1.46E-09	3.26E-08	6.55E-09	1.08E-08	3.59E-10	1.77E-08
3196	741799.11	4109926.51	3.98E-08	7.25E-08	3.98E-09	1.16E-07	6.17E-09	1.19E-08	5.97E-10	1.87E-08	6.00E-09	1.02E-08	7.58E-10	1.70E-08	3.41E-09	5.64E-09	1.87E-10	9.24E-09
3197	741879.74	4109854.25	3.36E-08	6.12E-08	3.36E-09	9.82E-08	5.21E-09	1.00E-08	5.04E-10	1.58E-08	5.07E-09	8.64E-09	6.40E-10	1.43E-08	2.88E-09	4.77E-09	1.58E-10	7.80E-09
3198	741785.7	4109905.41	3.17E-08	5.78E-08	3.17E-09	9.27E-08	4.92E-09	9.47E-09	4.76E-10	1.49E-08	4.78E-09	8.15E-09	6.04E-10	1.35E-08	2.72E-09	4.50E-09	1.49E-10	7.36E-09
3199	741852.92	4109812.06	2.08E-08	3.79E-08	2.08E-09	6.08E-08	3.23E-09	6.22E-09	3.12E-10	9.75E-09	3.14E-09	5.35E-09	3.96E-10	8.88E-09	1.78E-09	2.95E-09	9.78E-11	4.83E-09
3200	741740.06	4109875.17	2.16E-08	3.94E-08	2.16E-09	6.31E-08	3.35E-09	6.45E-09	3.24E-10	1.01E-08	3.26E-09	5.55E-09	4.12E-10	9.22E-09	1.85E-09	3.06E-09	1.02E-10	5.02E-09
3201	741828.78	4109769.39	1.43E-08	2.61E-08	1.43E-09	4.18E-08	2.22E-09	4.27E-09	2.15E-10	6.70E-09	2.16E-09	3.68E-09	2.72E-10	6.10E-09	1.23E-09	2.03E-09	6.72E-11	3.32E-09
3202	741871.73	4109761.81	1.53E-08	2.79E-08	1.53E-09	4.47E-08	2.37E-09	4.57E-09	2.29E-10	7.17E-09	2.31E-09	3.93E-09	2.91E-10	6.53E-09	1.31E-09	2.17E-09	7.18E-11	3.55E-09
3203	741843.12	4109719.93	1.11E-08	2.02E-08	1.11E-09	3.24E-08	1.72E-09	3.31E-09	1.66E-10	5.19E-09	1.67E-09	2.85E-09	2.11E-10	4.73E-09	9.49E-10	1.57E-09	5.21E-11	2.57E-09
3204	742020.58	4109734.17	1.94E-08	3.54E-08	1.95E-09	5.68E-08	3.02E-09	5.81E-09	2.92E-10	9.12E-09	2.93E-09	5.00E-09	3.71E-10	8.30E-09	1.67E-09	2.76E-09	9.14E-11	4.52E-09
3205	741815.15	4109677.93	8.49E-09	1.55E-08	8.49E-10	2.48E-08	1.32E-09	2.54E-09	1.27E-10	3.98E-09	1.28E-09	2.18E-09	1.62E-10	3.62E-09	7.27E-10	1.20E-09	3.99E-11	1.97E-09
3206	741958.65	4109652.6	9.98E-09	1.82E-08	9.99E-10	2.92E-08	1.55E-09	2.98E-09	1.50E-10	4.68E-09	1.50E-09	2.57E-09	1.90E-10	4.26E-09	8.55E-10	1.42E-09	4.69E-11	2.32E-09
3207	741734.84	4109700.75	8.09E-09	1.47E-08	8.10E-10	2.36E-08	1.25E-09	2.42E-09	1.21E-10	3.79E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.93E-10	1.15E-09	3.80E-11	1.88E-09
3208	741697.22	4109724.67	8.65E-09	1.58E-08	8.65E-10	2.53E-08	1.34E-09	2.58E-09	1.30E-10	4.05E-09	1.30E-09	2.22E-09	1.65E-10	3.69E-09	7.41E-10	1.23E-09	4.06E-11	2.01E-09
3209	741659.59	4109748.59	9.23E-09	1.68E-08	9.23E-10	2.70E-08	1.43E-09	2.76E-09	1.39E-10	4.33E-09	1.39E-09	2.37E-09	1.76E-10	3.94E-09	7.91E-10	1.31E-09	4.34E-11	2.14E-09
3210	741764.43	4109593.02	5.58E-09	1.02E-08	5.59E-10	1.63E-08	8.66E-10	1.67E-09	8.38E-11	2.62E-09	8.42E-10	1.44E-09	1.06E-10	2.38E-09	4.78E-10	7.92E-10	2.62E-11	1.30E-09
3211	741807.38	4109585.44	5.76E-09	1.05E-08	5.76E-10	1.68E-08	8.93E-10	1.72E-09	8.64E-11	2.70E-09	8.68E-10	1.48E-09	1.10E-10	2.46E-09	4.93E-10	8.16E-10	2.71E-11	1.34E-09
3212	741850.33	4109577.86	5.93E-09	1.08E-08	5.93E-10	1.73E-08	9.20E-10	1.77E-09	8.90E-11	2.78E-09	8.94E-10	1.52E-09	1.13E-10	2.53E-09	5.08E-10	8.41E-10	2.79E-11	1.38E-09
3213	741893.28	4109570.28	6.16E-09	1.12E-08	6.16E-10	1.80E-08	9.55E-10	1.84E-09	9.24E-11	2.89E-09	9.29E-10	1.58E-09	1.17E-10	2.63E-09	5.28E-10	8.73E-10	2.89E-11	1.43E-09
3214	742108.02	4109626.11	1.18E-08	2.14E-08	1.18E-09	3.44E-08	1.83E-09	3.52E-09	1.77E-10	5.52E-09	1.78E-09	3.03E-09	2.24E-10	5.03E-09	1.01E-09	1.67E-09	5.53E-11	2.73E-09
3215	741681.2	4109616.35	5.32E-09	9.70E-09	5.33E-10	1.56E-08	8.26E-10	1.59E-09	7.99E-11	2.50E-09	8.03E-10	1.37E-09	1.01E-10	2.27E-09	4.56E-10	7.55E-10	2.50E-11	1.24E-09
3216	741643.57	4109640.27	5.56E-09	1.01E-08	5.57E-10	1.63E-08	8.63E-10	1.66E-09	8.35E-11	2.61E-09	8.39E-10	1.43E-09	1.06E-10	2.37E-09	4.77E-10	7.89E-10	2.61E-11	1.29E-09
3217	741605.94	4109664.19	5.90E-09	1.07E-08	5.90E-10	1.72E-08	9.14E-10	1.76E-09	8.85E-11	2.76E-09	8.89E-10	1.52E-09	1.12E-10	2.52E-09	5.05E-10	8.36E-10	2.77E-11	1.37E-09
3218	741667.24	4109516.32	3.90E-09	7.10E-09	3.90E-10	1.14E-08	6.04E-10	1.16E-09	5.85E-11	1.83E-09	5.87E-10	1.00E-09	7.42E-11	1.66E-09	3.34E-10	5.52E-10	1.83E-11	9.04E-10
3219	741709	4109508.95	4.00E-09	7.30E-09	4.01E-10	1.17E-08	6.21E-10	1.20E-09	6.01E-11	1.88E-09	6.04E-10	1.03E-09	7.63E-11	1.71E-09	3.43E-10	5.68E-10	1.88E-11	9.30E-10
3220	741750.75	4109501.58	4.09E-09	7.45E-09	4.09E-10	1.19E-08	6.34E-10	1.22E-09	6.13E-11	1.92E-09	6.16E-10	1.05E-09	7.79E-11	1.74E-09	3.50E-10	5.80E-10	1.92E-11	9.49E-10
3221	741792.51	4109494.21	4.17E-09	7.60E-09	4.17E-10	1.22E-08	6.47E-10	1.25E-09	6.26E-11	1.96E-09	6.29E-10	1.07E-09	7.95E-11	1.78E-09	3.57E-10	5.92E-10	1.96E-11	9.69E-10
3222	741834.27	4109486.84	4.29E-09	7.81E-09	4.29E-10	1.25E-08	6.65E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.17E-11	1.83E-09	3.67E-10	6.08E-10	2.01E-11	9.95E-10
3223	742074.37	4109490.02	6.03E-09	1.10E-08	6.03E-10	1.76E-08	9.35E-10	1.80E-09	9.05E-11	2.83E-09	9.09E-10	1.55E-09	1.15E-10	2.57E-09	5.17E-10	8.55E-10	2.83E-11	1.40E-09
3224	742109.16	4109514.26	6.93E-09	1.26E-08	6.93E-10	2.02E-08	1.07E-09	2.07E-09	1.04E-10	3.25E-09	1.04E-09	1.78E-09	1.32E-10	2.96E-09	5.93E-10	9.82E-10	3.25E-11	1.61E-09
3225	742143.95	4109538.49	8.02E-09	1.46E-08	8.03E-10	2.34E-08	1.24E-09	2.40E-09	1.20E-10	3.76E-09	1.21E-09	2.06E-09	1.53E-10	3.42E-09	6.87E-10	1.14E-09	3.77E-11	1.86E-09
3226	741627.55	4109531.96	3.86E-09	7.04E-09	3.87E-10	1.13E-08	5.99E-10	1.15E-09	5.80E-11	1.81E-09	5.83E-10	9.93E-10	7.36E-11	1.65E-09	3.31E-10	5.48E-10	1.82E-11	8.97E-10
3227	741589.92	4109555.88	3.96E-09	7.22E-09	3.96E-10	1.16E-08	6.14E-10	1.18E-09	5.95E-11	1.86E-09	5.97E-10	1.02E-09	7.55E-11	1.69E-09	3.39E-10	5.62E-10	1.86E-11	9.20E-10
3228	741552.29	4109579.8	4.12E-09	7.51E-09	4.12E-10	1.20E-08	6.39E-10	1.23E-09	6.18E-11	1.93E-09	6.21E-10	1.06E-09	7.85E-11	1.76E-09	3.53E-10	5.84E-10	1.94E-11	9.56E-10
3229	741614.19	4109431.82	3.00E-09	5.46E-09	3.00E-10	8.76E-09	4.65E-10	8.95E-10	4.50E-11	1.40E-09	4.52E-10	7.70E-10	5.71E-11	1.28E-09	2.57E-10	4.25E-10	1.41E-11	6.96E-10
3230	741657.14	4109424.24	3.06E-09	5.57E-09	3.06E-10	8.93E-09	4.74E-10	9.13E-10	4.59E-11	1.43E-09	4.61E-10	7.86E-10	5.83E-11	1.31E-09	2.62E-10	4.33E-10	1.44E-11	7.10E-10
3231	741700.09	4109416.66	3.10E-09	5.65E-09	3.10E-10	9.06E-09	4.81E-10	9.26E-10	4.65E-11	1.45E-09	4.67E-10	7.97E-10	5.91E-11	1.32E-09	2.66E-10	4.39E-10	1.46E-11	7.19E-10
3232	741743.04	4109409.08	3.15E-09	5.73E-09	3.15E-10	9.19E-09	4.88E-10	9.40E-10	4.72E-11	1.47E-09	4.74E-10	8.09E-10	5.99E-11	1.34E-09	2.70E-10	4.46E-10	1.48E-11	7.30E-10
3233	741785.99	4109401.5	3.21E-09	5.85E-09	3.21E-10	9.38E-09	4.98E-10	9.59E-10	4.82E-11	1.50E-09	4.84E-10	8.25E-10	6.12E-11	1.37E-09	2.75E-10	4.55E-10	1.51E-11	7.45E-10
3234	742097.37	4109393.4	4.49E-09	8.18E-09	4.49E-10	1.31E-08	6.96E-10	1.34E-09	6.74E-11	2.10E-09	6.77E-10	1.15E-09	8.55E-11	1.92E-09	3.85E-10	6.36E-10	2.11E-11	1.04E-09
3235	742133.16	4109418.33	5.04E-09	9.19E-09	5.04E-10	1.47E-08	7.82E-10	1.51E-09	7.57E-11	2.36E-09	7.60E-10	1.30E-09	9.61E-11	2.15E-09	4.32E-10	7.15E-10	2.37E-11	1.17E-09
3236	741573.9	4109447.57	2.98E-09	5.43E-09	2.98E-10	8.70E-09	4.62E-10	8.90E-10	4.47E-11	1.40E-09	4.49E-10	7.66E-10	5.68E-11	1.27E-09	2.55E-10	4.22E-10	1.40E-11	6.92E-10
3237	741536.27	4109471.49	3.03E-09	5.52E-09	3.03E-10	8.85E-09	4.70E-10	9.04E-10	4.54E-11	1.42E-09	4.57E-10	7.78E-10	5.77E-11	1.29E-09	2.59E-10	4.29E-10	1.42E-11	7.03E-10
3238	741498.65	4109495.41	3.10E-09	5.65E-09	3.10E-10	9.06E-09	4.81E-10	9.26E-10	4.65E-11	1.45E-09	4.67E-10	7.97E-10	5.91E-11	1.32E-09	2.66E-10	4.39E-10	1.46E-11	7.20E-10
3239	741560.99	4109347.35	2.40E-09	4.37E-09	2.40E-10	7.01E-09	3.72E-10	7.17E-10	3.60E-11	1.12E-09	3.62E-10	6.17E-10	4.57E-11	1.02E-09	2.06E-10	3.40E-10	1.13E-11	5.57E-10
3240	741604.83	4109339.61	2.43E-09	4.43E-09	2.43E-10	7.11E-09	3.77E-10	7.27E-10	3.65E-11	1.14E-09	3.67E-10	6.25E-10	4.63E-11	1.04E-09	2.08E-10	3.45E-10	1.14E-11	5.65E-10
3241	741648.68	4109331.87	2.45E-09	4.47E-09	2.45E-10	7.16E-09	3.80E-10	7.32E-10	3.68E-11	1.15E-09	3.70E-10	6.30E-10	4.67E-11	1.05E-09	2.10E-10	3.47E-10	1.15E-11	5.69E-10
3242	741692.52	4109324.13	2.47E-09	4.50E-09	2.47E-10	7.22E-09	3.83E-10	7.39E-10	3.71E-11	1.16E-09	3.73E-10	6.36E-10	4.71E-11	1.06E-09	2.12E-10	3.51E-10	1.16E-11	5.74E-10
3243	741736.37	4109316.39	2.51E-09	4.58E-09	2.51E-10	7.34E-09	3.89E-10	7.50E-10	3.77E-11	1.18E-09	3.79E-10	6.45E-10	4.78E-11	1.07E-09	2.15E-10	3.56E-10	1.18E-11	5.83E-10
3244	742120	4109296.52	3.49E-09	6.36E-09	3.49E-10	1.02E-08	5.41E-10	1.04E-09	5.24E-11	1.64E-09	5.27E-10	8.98E-10	6.65E-11	1.49E-09	2.99E-10	4.95E-10	1.64E-11	8.11E-10
3245	742156.54	4109321.97	3.87E-09	7.04E-09	3.87E-10	1.13E-08	6.00E-10	1.15E-09	5.80E-11	1.81E-09	5.83E-10	9.94E-10	7.37E-11	1.65E-09	3.31E-10	5.48E-10	1.82E-11	8.98E-10
3246	741520.25	4109363.18	2.39E-09	4.36E-09	2.40E-10	7.00E-09	3.71E-10	7.15E-10	3.59E-11	1.12E-09	3.61E-10	6.16E-10	4.56E-11	1.02E-09	2.05E-10	3.40E-10	1.13E-11	5.56E-10
3247	741482.63	4109387.1	2.43E-09	4.43E-09	2.43E-10	7.10E-09	3.77E-10	7.26E-10	3.65E-11	1.14E-09	3.66E-10	6.24E-10	4.63E-11	1.04E-09	2.08E-10	3.44E-10	1.14E-11	5.64E-10
3248	741445	4109411.02	2.46E-09	4.49E-09	2.47E-10	7.20E-09	3.82E-10	7.36E-10	3.70E-11	1.16E-09	3.72E-10	6.33E-10	4.69E-11	1.05E-09	2.11E-10	3.49E-10	1.16E-11	5.72E-10
3249	741497.24	4109170.88	1.67E-09	3.04E-09	1.67E-10	4.88E-09	2.59E-10	4.99E-10	2.50E-11	7.82E-10	2.52E-10	4.29E-10	3.18E-11	7.12E-10	1.43E-10	2.37E-10	7.84E-12	3.87E-10
3250	741540.88	4109163.18	1.67E-09	3.04E-09	1.67E-10	4.88E-09	2.59E-10	4.98E-10	2.50E-11	7.82E-10	2.52E-10	4.29E-10	3.18E-11	7.12E-10	1.43E-10	2.37E-10	7.84E-12	3.87E-10
3251	741584.52	4109155.47	1.67E-09	3.04E-09	1.67E-10	4.87E-09	2.58E-10	4.98E-10	2.50E-11	7.81E-10	2.51E-10	4.28E-10	3.17E-11	7.11E-10	1.43E-10	2.36E-10	7.83E-12	3.87E-10
3252	741628.16	4109147.77	1.67E-09	3.05E-09	1.67E-10	4.89E-09	2.59E-10	5.00E-10	2.51E-11	7.84E-10	2.52E-10	4.30E-10	3.19E-11	7.14E-10	1.43E-10	2.37E-10	7.86E-12	3.88E-10
3253	741671.81	4109140.07	1.69E-09	3.08E-09	1.69E-10	4.94E-09	2.62E-10	5.06E-10	2.54E-11	7.93E-10	2.55E-10	4.35E-10	3.22E-11	7.22E-10	1.45E-10	2.40E-10	7.95E-12	3.93E-10
3254	741715.45	4109132.37	1.72E-09	3.13E-09	1.72E-10	5.02E-09	2.66E-10	5.13E-10	2.58E-11	8.05E-10	2.59E-10	4.41E-10	3.27E-11	7.33E-10	1.47E-10	2.43E-10	8.07E-12	3.98E-10
3255	741759.09	4109124.66	1.74E-09	3.17E-09	1.74E-10	5.09E-09	2.70E-10	5.20E-10	2.61E-11	8.17E-10	2.63E-10	4.48E-10	3.32E-11	7.44E-10	1.49E-10	2.47E-10	8.19E-12	4.04E-10
3256	741802.74	4109116.96	1.78E-09	3.24E-09	1.78E-10	5.19E-09	2.76E-10	5.31E-10	2.67E-11	8.33E-10	2.68E-10	4.57E-10	3.39E-11	7.59E-10	1.52E-10	2.52E-10	8.35E-12	4.13E-10
3257	741846.38	4109109.26	1.82E-09	3.32E-09	1.82E-10	5.32E-09	2.82E-10	5.44E-10	2.73E-11	8.54E-10	2.75E-10	4.68E-10	3.47E-11	7.78E-10	1.56E-10	2.58E-10	8.56E-12	4.23E-10
3258	741890.02	4109101.55	1.87E-09	3.40E-09	1.87E-10	5.46E-09	2.90E-10	5.58E-10	2.80E-11	8.76E-10	2.82E-10	4.80E-10	3.56E-11	7.98E-10	1.60E-10	2.65E-10	8.78E-12	4.34E-10
3259	741933.66	4109093.85	1.91E-09	3.48E-09	1.91E-10	5.58E-09	2.96E-10	5.70E-10	2.86E-11	8.95E-10	2.88E-10	4.91E-10	3.64E-11	8.15E-10	1.64E-10	2.71E-10	8.97E-12	4.43E-10
3260	741977.31	4109086.15	1.94E-09	3.54E-09	1.94E-10	5.68E-09	3.01E-10	5.81E-10	2.92E-11	9.11E-10	2.93E-10	5.00E-10	3.70E-11	8.30E-10	1.67E-10	2.76E-10	9.13E-12	4.51E-10

3261	742020.95	4109078.44	1.98E-09	3.61E-09	1.98E-10	5.78E-09	3.07E-10	5.91E-10	2.97E-11	9.28E-10	2.98E-10	5.09E-10	3.77E-11	8.45E-10	1.70E-10	2.81E-10	9.30E-12	4.59E-10
3262	742064.59	4109070.74	2.01E-09	3.67E-09	2.02E-10	5.89E-09	3.12E-10	6.02E-10	3.02E-11	9.45E-10	3.04E-10	5.18E-10	3.84E-11	8.60E-10	1.73E-10	2.86E-10	9.47E-12	4.68E-10
3263	742126.42	4109075.7	2.13E-09	3.88E-09	2.13E-10	6.23E-09	3.31E-10	6.37E-10	3.20E-11	9.99E-10	3.21E-10	5.48E-10	4.06E-11	9.10E-10	1.83E-10	3.02E-10	1.00E-11	4.95E-10
3264	742162.78	4109101.03	2.31E-09	4.21E-09	2.31E-10	6.75E-09	3.58E-10	6.90E-10	3.47E-11	1.08E-09	3.48E-10	5.94E-10	4.40E-11	9.86E-10	1.98E-10	3.27E-10	1.09E-11	5.36E-10
3265	742199.15	4109126.36	2.51E-09	4.57E-09	2.51E-10	7.32E-09	3.89E-10	7.49E-10	3.76E-11	1.18E-09	3.78E-10	6.44E-10	4.78E-11	1.07E-09	2.15E-10	3.55E-10	1.18E-11	5.82E-10
3266	741412.96	4109194.4	1.67E-09	3.05E-09	1.68E-10	4.89E-09	2.60E-10	5.00E-10	2.51E-11	7.85E-10	2.52E-10	4.30E-10	3.19E-11	7.15E-10	1.43E-10	2.37E-10	7.87E-12	3.89E-10
3267	741375.33	4109218.32	1.70E-09	3.10E-09	1.70E-10	4.97E-09	2.64E-10	5.08E-10	2.55E-11	7.98E-10	2.57E-10	4.37E-10	3.24E-11	7.27E-10	1.46E-10	2.41E-10	8.00E-12	3.95E-10
3268	741337.7	4109242.24	1.72E-09	3.13E-09	1.72E-10	5.02E-09	2.66E-10	5.13E-10	2.58E-11	8.06E-10	2.59E-10	4.42E-10	3.27E-11	7.33E-10	1.47E-10	2.44E-10	8.07E-12	3.99E-10
3269	741346.24	4109009.81	1.24E-09	2.25E-09	1.24E-10	3.61E-09	1.92E-10	3.69E-10	1.86E-11	5.80E-10	1.86E-10	3.18E-10	2.36E-11	5.28E-10	1.06E-10	1.75E-10	5.81E-12	2.87E-10
3270	741389.75	4109002.13	1.23E-09	2.24E-09	1.23E-10	3.60E-09	1.91E-10	3.68E-10	1.85E-11	5.77E-10	1.86E-10	3.17E-10	2.35E-11	5.26E-10	1.06E-10	1.75E-10	5.79E-12	2.86E-10
3271	741433.27	4108994.45	1.22E-09	2.23E-09	1.23E-10	3.58E-09	1.90E-10	3.66E-10	1.84E-11	5.74E-10	1.85E-10	3.15E-10	2.33E-11	5.23E-10	1.05E-10	1.74E-10	5.76E-12	2.84E-10
3272	741476.78	4108986.77	1.22E-09	2.22E-09	1.22E-10	3.56E-09	1.89E-10	3.64E-10	1.83E-11	5.71E-10	1.84E-10	3.13E-10	2.32E-11	5.20E-10	1.04E-10	1.73E-10	5.72E-12	2.83E-10
3273	741520.3	4108979.09	1.21E-09	2.21E-09	1.22E-10	3.55E-09	1.88E-10	3.63E-10	1.82E-11	5.69E-10	1.83E-10	3.12E-10	2.31E-11	5.18E-10	1.04E-10	1.72E-10	5.71E-12	2.82E-10
3274	741563.81	4108971.41	1.22E-09	2.22E-09	1.22E-10	3.56E-09	1.89E-10	3.64E-10	1.83E-11	5.72E-10	1.84E-10	3.14E-10	2.32E-11	5.21E-10	1.05E-10	1.73E-10	5.73E-12	2.83E-10
3275	741607.33	4108963.73	1.23E-09	2.25E-09	1.23E-10	3.60E-09	1.91E-10	3.68E-10	1.85E-11	5.78E-10	1.86E-10	3.17E-10	2.35E-11	5.26E-10	1.06E-10	1.75E-10	5.79E-12	2.86E-10
3276	741650.84	4108956.05	1.25E-09	2.28E-09	1.25E-10	3.65E-09	1.94E-10	3.73E-10	1.87E-11	5.86E-10	1.88E-10	3.21E-10	2.38E-11	5.33E-10	1.07E-10	1.77E-10	5.87E-12	2.90E-10
3277	741694.36	4108948.37	1.27E-09	2.31E-09	1.27E-10	3.71E-09	1.97E-10	3.79E-10	1.91E-11	5.95E-10	1.91E-10	3.26E-10	2.42E-11	5.42E-10	1.09E-10	1.80E-10	5.97E-12	2.95E-10
3278	741737.87	4108940.69	1.29E-09	2.35E-09	1.29E-10	3.77E-09	2.00E-10	3.86E-10	1.94E-11	6.06E-10	1.95E-10	3.32E-10	2.46E-11	5.51E-10	1.11E-10	1.83E-10	6.07E-12	3.00E-10
3279	741781.39	4108933.01	1.32E-09	2.40E-09	1.32E-10	3.85E-09	2.04E-10	3.94E-10	1.98E-11	6.18E-10	1.99E-10	3.39E-10	2.51E-11	5.63E-10	1.13E-10	1.87E-10	6.19E-12	3.06E-10
3280	741824.9	4108925.33	1.35E-09	2.45E-09	1.35E-10	3.94E-09	2.09E-10	4.02E-10	2.02E-11	6.31E-10	2.03E-10	3.46E-10	2.57E-11	5.75E-10	1.15E-10	1.91E-10	6.33E-12	3.13E-10
3281	741868.42	4108917.64	1.38E-09	2.51E-09	1.38E-10	4.02E-09	2.13E-10	4.11E-10	2.06E-11	6.45E-10	2.07E-10	3.54E-10	2.62E-11	5.87E-10	1.18E-10	1.95E-10	6.46E-12	3.19E-10
3282	741911.93	4108909.96	1.40E-09	2.56E-09	1.40E-10	4.10E-09	2.17E-10	4.19E-10	2.10E-11	6.57E-10	2.11E-10	3.60E-10	2.67E-11	5.99E-10	1.20E-10	1.99E-10	6.59E-12	3.26E-10
3283	741955.45	4108902.28	1.43E-09	2.60E-09	1.43E-10	4.17E-09	2.21E-10	4.26E-10	2.14E-11	6.68E-10	2.15E-10	3.67E-10	2.72E-11	6.09E-10	1.22E-10	2.02E-10	6.70E-12	3.31E-10
3284	741998.96	4108894.6	1.45E-09	2.64E-09	1.45E-10	4.23E-09	2.24E-10	4.32E-10	2.17E-11	6.78E-10	2.18E-10	3.72E-10	2.76E-11	6.18E-10	1.24E-10	2.05E-10	6.80E-12	3.36E-10
3285	742042.48	4108886.92	1.46E-09	2.67E-09	1.46E-10	4.28E-09	2.27E-10	4.37E-10	2.20E-11	6.86E-10	2.21E-10	3.76E-10	2.79E-11	6.25E-10	1.25E-10	2.08E-10	6.88E-12	3.40E-10
3286	742085.99	4108879.24	1.48E-09	2.69E-09	1.48E-10	4.32E-09	2.29E-10	4.42E-10	2.22E-11	6.93E-10	2.23E-10	3.80E-10	2.82E-11	6.31E-10	1.27E-10	2.10E-10	6.95E-12	3.43E-10
3287	742129.51	4108871.56	1.49E-09	2.72E-09	1.50E-10	4.37E-09	2.32E-10	4.46E-10	2.24E-11	7.01E-10	2.25E-10	3.84E-10	2.85E-11	6.38E-10	1.28E-10	2.12E-10	7.02E-12	3.47E-10
3288	742169.39	4108880.35	1.55E-09	2.83E-09	1.55E-10	4.54E-09	2.41E-10	4.64E-10	2.33E-11	7.29E-10	2.34E-10	3.99E-10	2.96E-11	6.63E-10	1.33E-10	2.20E-10	7.30E-12	3.61E-10
3289	742205.65	4108905.6	1.67E-09	3.03E-09	1.67E-10	4.87E-09	2.58E-10	4.97E-10	2.50E-11	7.81E-10	2.51E-10	4.28E-10	3.17E-11	7.11E-10	1.43E-10	2.36E-10	7.83E-12	3.87E-10
3290	742241.91	4108930.86	1.79E-09	3.26E-09	1.79E-10	5.22E-09	2.77E-10	5.34E-10	2.68E-11	8.38E-10	2.70E-10	4.60E-10	3.41E-11	7.63E-10	1.53E-10	2.53E-10	8.40E-12	4.15E-10
3291	741305.66	4109025.61	1.25E-09	2.28E-09	1.25E-10	3.66E-09	1.94E-10	3.74E-10	1.88E-11	5.88E-10	1.89E-10	3.22E-10	2.39E-11	5.35E-10	1.07E-10	1.78E-10	5.89E-12	2.91E-10
3292	741268.04	4109049.53	1.28E-09	2.33E-09	1.28E-10	3.74E-09	1.99E-10	3.83E-10	1.92E-11	6.00E-10	1.93E-10	3.29E-10	2.44E-11	5.47E-10	1.10E-10	1.82E-10	6.02E-12	2.97E-10
3293	741230.41	4109073.45	1.30E-09	2.36E-09	1.30E-10	3.79E-09	2.01E-10	3.88E-10	1.95E-11	6.08E-10	1.96E-10	3.34E-10	2.47E-11	5.54E-10	1.11E-10	1.84E-10	6.10E-12	3.01E-10
3294	741282.32	4108833.37	9.53E-10	1.74E-09	9.53E-11	2.78E-09	1.48E-10	2.85E-10	1.43E-11	4.47E-10	1.44E-10	2.45E-10	1.82E-11	4.07E-10	8.16E-11	1.35E-10	4.48E-12	2.21E-10
3295	741325.75	4108825.71	9.45E-10	1.72E-09	9.46E-11	2.76E-09	1.47E-10	2.82E-10	1.42E-11	4.43E-10	1.43E-10	2.43E-10	1.80E-11	4.03E-10	8.10E-11	1.34E-10	4.44E-12	2.19E-10
3296	741369.18	4108818.04	9.39E-10	1.71E-09	9.39E-11	2.74E-09	1.46E-10	2.80E-10	1.41E-11	4.40E-10	1.42E-10	2.41E-10	1.79E-11	4.01E-10	8.04E-11	1.33E-10	4.41E-12	2.18E-10
3297	741412.6	4108810.38	9.35E-10	1.70E-09	9.35E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.38E-10	1.41E-10	2.40E-10	1.78E-11	3.99E-10	8.01E-11	1.33E-10	4.39E-12	2.17E-10
3298	741456.03	4108802.71	9.35E-10	1.70E-09	9.35E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.38E-10	1.41E-10	2.40E-10	1.78E-11	3.99E-10	8.01E-11	1.33E-10	4.39E-12	2.17E-10
3299	741499.46	4108795.05	9.40E-10	1.71E-09	9.40E-11	2.75E-09	1.46E-10	2.81E-10	1.41E-11	4.40E-10	1.42E-10	2.42E-10	1.79E-11	4.01E-10	8.05E-11	1.33E-10	4.42E-12	2.18E-10
3300	741542.89	4108787.38	9.49E-10	1.73E-09	9.49E-11	2.77E-09	1.47E-10	2.83E-10	1.42E-11	4.45E-10	1.43E-10	2.44E-10	1.81E-11	4.05E-10	8.13E-11	1.35E-10	4.46E-12	2.20E-10
3301	741586.31	4108779.72	9.62E-10	1.75E-09	9.62E-11	2.81E-09	1.49E-10	2.87E-10	1.44E-11	4.51E-10	1.45E-10	2.47E-10	1.83E-11	4.11E-10	8.24E-11	1.36E-10	4.52E-12	2.23E-10
3302	741629.74	4108772.05	9.77E-10	1.78E-09	9.77E-11	2.85E-09	1.51E-10	2.92E-10	1.47E-11	4.58E-10	1.47E-10	2.51E-10	1.86E-11	4.17E-10	8.37E-11	1.39E-10	4.59E-12	2.27E-10
3303	741673.17	4108764.39	9.94E-10	1.81E-09	9.94E-11	2.90E-09	1.54E-10	2.97E-10	1.49E-11	4.66E-10	1.50E-10	2.55E-10	1.89E-11	4.24E-10	8.52E-11	1.41E-10	4.67E-12	2.31E-10
3304	741716.6	4108756.72	1.01E-09	1.84E-09	1.01E-10	2.96E-09	1.57E-10	3.02E-10	1.52E-11	4.74E-10	1.53E-10	2.60E-10	1.93E-11	4.32E-10	8.67E-11	1.43E-10	4.75E-12	2.35E-10
3305	741760.02	4108749.06	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.07E-10	1.54E-11	4.82E-10	1.55E-10	2.65E-10	1.96E-11	4.39E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
3306	741803.45	4108741.39	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.13E-10	1.57E-11	4.91E-10	1.58E-10	2.69E-10	2.00E-11	4.47E-10	8.98E-11	1.49E-10	4.92E-12	2.43E-10
3307	741846.88	4108733.73	1.07E-09	1.94E-09	1.07E-10	3.12E-09	1.65E-10	3.19E-10	1.60E-11	5.00E-10	1.61E-10	2.74E-10	2.03E-11	4.55E-10	9.14E-11	1.51E-10	5.01E-12	2.48E-10
3308	741890.3	4108726.06	1.09E-09	1.98E-09	1.09E-10	3.17E-09	1.68E-10	3.24E-10	1.63E-11	5.09E-10	1.64E-10	2.79E-10	2.07E-11	4.63E-10	9.30E-11	1.54E-10	5.10E-12	2.52E-10
3309	741933.73	4108718.39	1.10E-09	2.01E-09	1.10E-10	3.22E-09	1.71E-10	3.30E-10	1.66E-11	5.17E-10	1.66E-10	2.84E-10	2.10E-11	4.71E-10	9.45E-11	1.56E-10	5.19E-12	2.56E-10
3310	741977.16	4108710.73	1.12E-09	2.04E-09	1.12E-10	3.27E-09	1.74E-10	3.34E-10	1.68E-11	5.25E-10	1.69E-10	2.88E-10	2.13E-11	4.78E-10	9.59E-11	1.59E-10	5.26E-12	2.60E-10
3311	742020.59	4108703.06	1.13E-09	2.06E-09	1.13E-10	3.30E-09	1.75E-10	3.38E-10	1.70E-11	5.30E-10	1.70E-10	2.91E-10	2.15E-11	4.83E-10	9.69E-11	1.60E-10	5.31E-12	2.62E-10
3312	742064.01	4108695.4	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.40E-10	1.71E-11	5.33E-10	1.71E-10	2.92E-10	2.17E-11	4.85E-10	9.74E-11	1.61E-10	5.34E-12	2.64E-10
3313	742107.44	4108687.73	1.14E-09	2.08E-09	1.14E-10	3.33E-09	1.77E-10	3.41E-10	1.71E-11	5.35E-10	1.72E-10	2.93E-10	2.17E-11	4.87E-10	9.78E-11	1.62E-10	5.36E-12	2.65E-10
3314	742150.87	4108680.07	1.15E-09	2.09E-09	1.15E-10	3.35E-09	1.78E-10	3.43E-10	1.72E-11	5.38E-10	1.73E-10	2.95E-10	2.19E-11	4.90E-10	9.84E-11	1.63E-10	5.39E-12	2.66E-10
3315	742212.39	4108685.01	1.19E-09	2.18E-09	1.20E-10	3.49E-09	1.85E-10	3.57E-10	1.79E-11	5.60E-10	1.80E-10	3.07E-10	2.28E-11	5.10E-10	1.02E-10	1.69E-10	5.62E-12	2.77E-10
3316	742248.57	4108710.21	1.27E-09	2.31E-09	1.27E-10	3.71E-09	1.97E-10	3.80E-10	1.91E-11	5.96E-10	1.92E-10	3.27E-10	2.42E-11	5.42E-10	1.09E-10	1.80E-10	5.97E-12	2.95E-10
3317	742284.76	4108735.42	1.35E-09	2.47E-09	1.35E-10	3.95E-09	2.10E-10	4.04E-10	2.03E-11	6.34E-10	2.04E-10	3.48E-10	2.58E-11	5.78E-10	1.16E-10	1.92E-10	6.36E-12	3.14E-10
3318	741198.37	4108856.83	9.80E-10	1.79E-09	9.81E-11	2.86E-09	1.52E-10	2.93E-10	1.47E-11	4.60E-10	1.48E-10	2.52E-10	1.87E-11	4.19E-10	8.40E-11	1.39E-10	4.61E-12	2.28E-10
3319	741160.74	4108880.75	1.01E-09	1.83E-09	1.01E-10	2.94E-09	1.56E-10	3.01E-10	1.51E-11	4.72E-10	1.52E-10	2.59E-10	1.92E-11	4.30E-10	8.62E-11	1.43E-10	4.73E-12	2.34E-10
3320	741123.11	4108904.67	1.03E-09	1.87E-09	1.03E-10	3.00E-09	1.59E-10	3.06E-10	1.54E-11	4.81E-10	1.55E-10	2.64E-10	1.95E-11	4.38E-10	8.78E-11	1.45E-10	4.82E-12	2.38E-10
3321	741131.57	4108672.26	7.73E-10	1.41E-09	7.74E-11	2.26E-09	1.20E-10	2.31E-10	1.16E-11	3.62E-10	1.17E-10	1.99E-10	1.47E-11	3.30E-10	6.62E-11	1.10E-10	3.63E-12	1.80E-10
3322	741174.93	4108664.6	7.63E-10	1.39E-09	7.64E-11	2.23E-09	1.18E-10	2.28E-10	1.15E-11	3.58E-10	1.15E-10	1.96E-10	1.45E-11	3.26E-10	6.54E-11	1.08E-10	3.59E-12	1.77E-10
3323	741218.29	4108656.95	7.56E-10	1.38E-09	7.56E-11	2.21E-09	1.17E-10	2.26E-10	1.13E-11	3.54E-10	1.14E-10	1.94E-10	1.44E-11	3.23E-10	6.48E-11	1.07E-10	3.55E-12	1.75E-10
3324	741261.66	4108649.3	7.50E-10	1.37E-09	7.51E-11	2.19E-09	1.16E-10	2.24E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.43E-11	1.06E-10	3.53E-12	1.74E-10
3325	741305.02	4108641.64	7.48E-10	1.36E-09	7.48E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.13E-10	1.92E-10	1.42E-11	3.19E-10	6.41E-11	1.06E-10	3.51E-12	1.74E-10
3326	741348.38	4108633.99	7.47E-10	1.36E-09	7.47E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.13E-10	1.92E-10	1.42E-11	3.19E-10	6.40E-11	1.06E-10	3.51E-12	1.73E-10
3327	741391.75	4108626.34	7.49E-10	1.36E-09	7.49E-11	2.19E-09	1.16E-10	2.24E-10	1.12E-11	3.51E-10	1.13E-10	1.92E-10	1.43E-11	3.20E-10	6.42E-11	1.06E-10	3.52E-12	1.74E-10
3328	741435.11	4108618.68	7.53E-10	1.37E-09	7.54E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.53E-10	1.14E-10	1.94E-10	1.44E-11	3.22E-10	6.45E-11	1.07E-10	3.54E-12	1.75E-10
3329	741478.47	4108611.03	7.60E-10	1.39E-09	7.61E-11	2.22E-09	1.18E-10	2.27E-10	1.14E-11	3.56E-10	1.15E-10	1.95E-10	1.45E-11	3.25E-10	6.52E-11	1.08E-10	3.57E-12	1.77E-10
3330	741521.84	4108603.37	7.70E-10	1.40E-09	7.70E-11	2.25E-09	1.19E-10	2.30E-10	1.16E-11	3.61E-10	1.16E-10	1.98E-10	1.47E-11	3.29E-10	6.60E-11	1.09E-10	3.62E-12	1.79E-10
3331	741565.2	4108595.72	7.82E-10	1.42E-09	7.82E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.66E-10	1.18E-10	2.01E-10	1.49E-11	3.34E-10	6.70E-11	1.11E-10	3.67E-12	1.81E-10
3332	741608.56	4108588.07	7.95E-10	1.45E-09	7.95E-11	2.32E-09	1.23E-10	2.37E-10	1.19E-11	3.73E-10	1.20E-10	2.04E-10	1.51E-11	3.39E-10	6.81E-11	1.13E-10	3.73E-12	1.84E-10
3333	741651.92	4108580.41	8.08E-10	1.47E-09	8.08E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.79E-10	1.22E-10	2.08E-10	1.54E-11	3.45E-10	6.92E-11	1.15E-10	3.80E-12	1.88E-10
3334	741695.29	4108572.76	8.21E-10	1.50E-09	8.21E-11	2.40E-09	1.27E-10	2.45E-10	1.23E-11	3.85E-10	1.24E-10	2.11E-10	1.56E-11	3.50E-10	7.03E-11	1.16E-10	3.86E-12	1.91E-10
3335	741738.65	4108565.11	8.33E-10	1.52E-09	8.33E-11	2.43E-09	1.29E-10	2.49E-10	1.25E-11	3.91E-10	1.26E-10	2.14E-10	1.59E-11	3.56E-10	7.14E-11	1.18E-10	3.91E-12	1.93E-10
3336	741782.01	4108557.45	8.45E-10	1.54E-09	8.45E-11	2.47E-09	1.31E-10	2.52E-10	1.27E-11	3.96E-10	1.27E-10	2.17E-10	1.61E-11	3.61E-10	7.24E-11	1.20E-10	3.97E-12	1.96E-10
3337	741825.38	4108549.8	8.58E-10	1.56E-09	8.58E-11	2.51E-09	1.33E-10	2.56E-10	1.29E-11	4.02E-10	1.29E-10	2.20E-10	1.63E-11	3.66E-10	7.35E-11	1.22E-10	4.03E-12	1.99E-10
3338	741868.74	4108542.15	8.72E-10	1.59E-09	8.72E-11	2.55E-09	1.35E-10	2.60E-10	1.31E-11	4.09E-10	1.31E-10	2.24E-10	1.66E-11	3.72E-10	7.47E-11	1.24E-10	4.10E-12	2.02E-10
3339	741912.1	4108534.49	8.86E-10	1.61E-09	8.86E-11	2.59E-09	1.37E-10	2.65E-10	1.33E-11	4.15E-10	1.34E-10	2.28E-10	1.69E-11	3.78E-10	7.59E-11	1.26E-10	4.16E-12	2.06E-10
3340	741955.46	4108526.84	8.99E-10	1.64E-09	8.99E-11	2.63E-09	1.39E-10	2.69E-10	1.35E-11	4.21E-10	1.36E-10	2.31E-10	1.71E-11	3.84E-10	7.70E-11	1.27E-10	4.22E-12	2.09E-10
3341	741998.83	4108519.18	9.09E-10	1.66E-09	9.09E-11	2.66E-09	1.41E-10	2.71E-10	1.36E-11	4.26E-10	1.37E-10	2.34E-10	1.73E-11	3.88E-10	7.79E-11	1.29E-10	4.27E-12	2.11E-10
3342	742042.19	4108511.53	9.14E-10	1.67E-09	9.15E-11	2.67E-09	1.42E-10	2.73E-10	1.37E-11	4.29E-10	1.38E-10	2.35E-10	1.74E-11	3.90E-10	7.83E-11	1.30E-10	4.30E-12	2.12E-10
3343	742085.55	4108503.88	9.16E-10	1.67E-09	9.16E-11	2.68E-09	1.42E-10	2.74E-10	1.37E-11	4.29E-10	1.38E-10	2.35E-10	1.74E-11	3.91E-10	7.84E-11	1.30E-10	4.30E-12	2.13E-10
3344	742128.92	4108496.22	9.16E-10	1.67E-09	9.16E-11	2.68E-09	1.42E-10	2.74E-10	1.37E-11	4.29E-10	1.38E-10	2.35E-10	1.74E-11	3.91E-10	7.84E-11	1.30E-10	4.30E-12	2.13E-10
3345	742172.28	4108488.57	9.18E-10	1.67E-09	9.18E-11	2.68E-09	1.42E-10	2.74E-10	1.38E-11	4.30E-10	1.38E-10	2.36E-10	1.75E-11	3.92E-10	7.86E-11	1.30E-10	4.31E-12	2.13E-10
3346	742215.64	4108480.92	9.25E-10	1.68E-09	9.25E-11	2.70E-09	1.43E-10	2.76E-10	1.39E-11	4.33E-10	1.39E-10	2.38E-10	1.76E-11	3.95E-10	7.92E-11	1.31E-10	4.35E-12	2.15E-10
3347	742255.39	4108489.67	9.54E-10	1.74E-09	9.55E-11	2.79E-09	1.48E-10	2.85E-10	1.43E-11	4.47E-10	1.44E-10	2.45E-10	1.82E-11	4.07E-10	8.18E-11	1.35E-10	4.49E-12	2.22E-10
3348	742291.52	4108514.84	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.56E-10	3.01E-10	1.51E-11	4.73E-10	1.52E-10	2.59E-10	1.92E-11	4.31E-10	8.64E-11	1.43E-10	4.74E-12	2.34E-10
3349	742327.65	4108540.01	1.07E-09	1.95E-09	1.07E-10	3.12E-09	1.66E-10	3.19E-10	1.60E-11	5.01E-10	1.61E-10	2.75E-10	2.04E-11	4.56E-10	9.16E-11	1.52E-10	5.02E-12	2.48E-10
3350	741091.07	4108688.05	7.91E-10	1.44E-09	7.92E-11	2.31E-09	1.23E-10	2.36E-10	1.19E-11	3.71E-10	1.19E-10	2.03E-10	1.51E-11	3.38E-10	6.78E-11	1.12E-10	3.72E-12	1.84E-10
3351	741053.45	4108711.97	8.15E-10	1.49E-09	8.15E-11	2.38E-09	1.26E-10	2.43E-10	1.22E-11	3.82E-10	1.23E-10	2.09E-10	1.55E-11	3.48E-10	6.98E-11	1.16E-10	3.83E-12	1.89E-10
3352	741015.82	4108735.89	8.33E-10	1.52E-09	8.34E-11	2.43E-09	1.29E-10	2.49E-10	1.25E-11	3.91E-10	1.26E-10	2.14E-10	1.59E-11	3.56E-10	7.14E-11	1.18E-10	3.92E-12	1.93E-10
3353	740916.94	4108334.7	5.37E-10	9.79E-10	5.38E-11	1.57E-09	8.33E-11	1.61E-10	8.07E-12	2.52E-10	8.10E-11	1.38E-10	1.02E-11	2.29E-10	4.60E-11	7.62E-11	2.53E-12	1.25E-10
3354	740960.21	4108327.06	5.29E-10	9.63E-10	5.29E-11	1.54E-09	8.20E-11	1.58E-10	7.93E-12	2.48E-10	7.97E-11	1.36E-10	1.01E-11	2.26E-10	4.53E-11	7.49E-11	2.48E-12	1.23E-10
3355	741003.49	4108319.42	5.22E-10	9.50E-10	5.22E-11	1.52E-09	8.09E-11	1.56E-10	7.83E-12	2.45E-10	7.86E-11	1.34E-10	9.94E-12	2.23E-10	4.47E-11	7.39E-11	2.45E-12	1.21E-10
3356	741046.76	4108311.79	5.17E-10	9.42E-10	5.17E-11	1.51E-09	8.02E-11	1.54E-10	7.76E-12	2.42E-10	7.80E-11	1.33E-10	9.85E-12	2.21E-10	4.43E-11	7.33E-11	2.43E-12	1.20E-10

3357	741090.04	4108304.15	5.15E-10	9.39E-10	5.16E-11	1.51E-09	7.99E-11	1.54E-10	7.73E-12	2.42E-10	7.77E-11	1.32E-10	9.82E-12	2.20E-10	4.42E-11	7.31E-11	2.42E-12	1.20E-10
3358	741133.31	4108296.51	5.16E-10	9.40E-10	5.16E-11	1.51E-09	8.00E-11	1.54E-10	7.74E-12	2.42E-10	7.78E-11	1.33E-10	9.83E-12	2.20E-10	4.42E-11	7.32E-11	2.42E-12	1.20E-10
3359	741176.59	4108288.87	5.18E-10	9.44E-10	5.18E-11	1.51E-09	8.03E-11	1.55E-10	7.77E-12	2.43E-10	7.81E-11	1.33E-10	9.87E-12	2.21E-10	4.44E-11	7.34E-11	2.43E-12	1.20E-10
3360	741219.86	4108281.23	5.21E-10	9.49E-10	5.21E-11	1.52E-09	8.08E-11	1.56E-10	7.82E-12	2.44E-10	7.86E-11	1.34E-10	9.93E-12	2.22E-10	4.46E-11	7.39E-11	2.45E-12	1.21E-10
3361	741263.14	4108273.59	5.24E-10	9.55E-10	5.24E-11	1.53E-09	8.12E-11	1.56E-10	7.86E-12	2.46E-10	7.90E-11	1.35E-10	9.98E-12	2.24E-10	4.49E-11	7.43E-11	2.46E-12	1.22E-10
3362	741306.41	4108265.96	5.27E-10	9.61E-10	5.28E-11	1.54E-09	8.18E-11	1.58E-10	7.91E-12	2.47E-10	7.95E-11	1.36E-10	1.00E-11	2.25E-10	4.52E-11	7.48E-11	2.48E-12	1.22E-10
3363	741349.69	4108258.32	5.31E-10	9.68E-10	5.31E-11	1.55E-09	8.24E-11	1.59E-10	7.97E-12	2.49E-10	8.01E-11	1.37E-10	1.01E-11	2.27E-10	4.55E-11	7.53E-11	2.50E-12	1.23E-10
3364	741392.96	4108250.68	5.36E-10	9.76E-10	5.36E-11	1.57E-09	8.31E-11	1.60E-10	8.04E-12	2.51E-10	8.08E-11	1.38E-10	1.02E-11	2.29E-10	4.59E-11	7.60E-11	2.52E-12	1.24E-10
3365	741436.24	4108243.04	5.42E-10	9.87E-10	5.42E-11	1.58E-09	8.40E-11	1.62E-10	8.13E-12	2.54E-10	8.17E-11	1.39E-10	1.03E-11	2.31E-10	4.64E-11	7.68E-11	2.55E-12	1.26E-10
3366	741479.51	4108235.4	5.49E-10	1.00E-09	5.49E-11	1.60E-09	8.51E-11	1.64E-10	8.24E-12	2.57E-10	8.28E-11	1.41E-10	1.05E-11	2.34E-10	4.70E-11	7.78E-11	2.58E-12	1.27E-10
3367	741522.79	4108227.76	5.57E-10	1.02E-09	5.58E-11	1.63E-09	8.64E-11	1.66E-10	8.36E-12	2.61E-10	8.40E-11	1.43E-10	1.06E-11	2.38E-10	4.77E-11	7.90E-11	2.62E-12	1.29E-10
3368	741566.07	4108220.13	5.66E-10	1.03E-09	5.66E-11	1.65E-09	8.78E-11	1.69E-10	8.49E-12	2.65E-10	8.54E-11	1.45E-10	1.08E-11	2.42E-10	4.85E-11	8.02E-11	2.66E-12	1.31E-10
3369	741609.34	4108212.49	5.74E-10	1.05E-09	5.75E-11	1.68E-09	8.91E-11	1.72E-10	8.62E-12	2.69E-10	8.66E-11	1.48E-10	1.09E-11	2.45E-10	4.92E-11	8.14E-11	2.70E-12	1.33E-10
3370	741652.62	4108204.85	5.82E-10	1.06E-09	5.82E-11	1.70E-09	9.02E-11	1.74E-10	8.73E-12	2.73E-10	8.78E-11	1.50E-10	1.11E-11	2.48E-10	4.99E-11	8.25E-11	2.73E-12	1.35E-10
3371	741695.89	4108197.21	5.89E-10	1.07E-09	5.89E-11	1.72E-09	9.13E-11	1.76E-10	8.84E-12	2.76E-10	8.88E-11	1.51E-10	1.12E-11	2.51E-10	5.04E-11	8.35E-11	2.77E-12	1.37E-10
3372	741739.17	4108189.57	5.95E-10	1.08E-09	5.95E-11	1.74E-09	9.23E-11	1.78E-10	8.93E-12	2.79E-10	8.97E-11	1.53E-10	1.13E-11	2.54E-10	5.10E-11	8.43E-11	2.80E-12	1.38E-10
3373	741782.44	4108181.93	6.01E-10	1.10E-09	6.02E-11	1.76E-09	9.33E-11	1.80E-10	9.03E-12	2.82E-10	9.07E-11	1.55E-10	1.15E-11	2.57E-10	5.15E-11	8.53E-11	2.83E-12	1.40E-10
3374	741825.72	4108174.3	6.09E-10	1.11E-09	6.09E-11	1.78E-09	9.44E-11	1.82E-10	9.14E-12	2.85E-10	9.18E-11	1.56E-10	1.16E-11	2.60E-10	5.22E-11	8.63E-11	2.86E-12	1.41E-10
3375	741868.99	4108166.66	6.17E-10	1.12E-09	6.17E-11	1.80E-09	9.56E-11	1.84E-10	9.26E-12	2.89E-10	9.30E-11	1.59E-10	1.18E-11	2.63E-10	5.28E-11	8.75E-11	2.90E-12	1.43E-10
3376	741912.27	4108159.02	6.25E-10	1.14E-09	6.25E-11	1.83E-09	9.69E-11	1.87E-10	9.38E-12	2.93E-10	9.43E-11	1.61E-10	1.19E-11	2.67E-10	5.36E-11	8.86E-11	2.94E-12	1.45E-10
3377	741955.54	4108151.38	6.33E-10	1.15E-09	6.33E-11	1.85E-09	9.81E-11	1.89E-10	9.50E-12	2.97E-10	9.54E-11	1.63E-10	1.21E-11	2.70E-10	5.42E-11	8.97E-11	2.97E-12	1.47E-10
3378	741998.82	4108143.74	6.39E-10	1.16E-09	6.39E-11	1.87E-09	9.91E-11	1.91E-10	9.59E-12	3.00E-10	9.64E-11	1.64E-10	1.22E-11	2.73E-10	5.48E-11	9.06E-11	3.00E-12	1.48E-10
3379	742042.09	4108136.1	6.43E-10	1.17E-09	6.43E-11	1.88E-09	9.97E-11	1.92E-10	9.65E-12	3.01E-10	9.70E-11	1.65E-10	1.23E-11	2.74E-10	5.51E-11	9.12E-11	3.02E-12	1.49E-10
3380	742085.37	4108128.47	6.44E-10	1.17E-09	6.44E-11	1.88E-09	9.98E-11	1.92E-10	9.66E-12	3.02E-10	9.70E-11	1.65E-10	1.23E-11	2.75E-10	5.51E-11	9.12E-11	3.02E-12	1.49E-10
3381	742128.64	4108120.83	6.42E-10	1.17E-09	6.42E-11	1.88E-09	9.95E-11	1.92E-10	9.63E-12	3.01E-10	9.68E-11	1.65E-10	1.22E-11	2.74E-10	5.50E-11	9.10E-11	3.02E-12	1.49E-10
3382	742171.92	4108113.19	6.39E-10	1.16E-09	6.39E-11	1.87E-09	9.90E-11	1.91E-10	9.59E-12	2.99E-10	9.63E-11	1.64E-10	1.22E-11	2.73E-10	5.47E-11	9.05E-11	3.00E-12	1.48E-10
3383	742215.19	4108105.55	6.36E-10	1.16E-09	6.37E-11	1.86E-09	9.87E-11	1.90E-10	9.55E-12	2.98E-10	9.60E-11	1.64E-10	1.21E-11	2.72E-10	5.45E-11	9.02E-11	2.99E-12	1.48E-10
3384	742258.47	4108097.91	6.37E-10	1.16E-09	6.37E-11	1.86E-09	9.87E-11	1.90E-10	9.56E-12	2.99E-10	9.60E-11	1.64E-10	1.21E-11	2.72E-10	5.46E-11	9.03E-11	2.99E-12	1.48E-10
3385	742301.75	4108090.27	6.41E-10	1.17E-09	6.41E-11	1.87E-09	9.94E-11	1.91E-10	9.62E-12	3.00E-10	9.67E-11	1.65E-10	1.22E-11	2.74E-10	5.49E-11	9.09E-11	3.01E-12	1.49E-10
3386	742341.41	4108099.01	6.59E-10	1.20E-09	6.59E-11	1.93E-09	1.02E-10	1.97E-10	9.89E-12	3.09E-10	9.93E-11	1.69E-10	1.26E-11	2.81E-10	5.64E-11	9.34E-11	3.10E-12	1.53E-10
3387	742377.47	4108124.13	6.91E-10	1.26E-09	6.91E-11	2.02E-09	1.07E-10	2.06E-10	1.04E-11	3.24E-10	1.04E-10	1.78E-10	1.32E-11	2.95E-10	5.92E-11	9.79E-11	3.25E-12	1.60E-10
3388	742413.53	4108149.25	7.28E-10	1.33E-09	7.28E-11	2.13E-09	1.13E-10	2.17E-10	1.09E-11	3.41E-10	1.10E-10	1.87E-10	1.39E-11	3.11E-10	6.24E-11	1.03E-10	3.42E-12	1.69E-10
3389	742449.59	4108174.36	7.67E-10	1.40E-09	7.67E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.59E-10	1.16E-10	1.97E-10	1.46E-11	3.27E-10	6.57E-11	1.09E-10	3.60E-12	1.78E-10
3390	742485.65	4108199.48	8.04E-10	1.47E-09	8.05E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.77E-10	1.21E-10	2.07E-10	1.53E-11	3.43E-10	6.89E-11	1.14E-10	3.78E-12	1.87E-10
3391	742521.71	4108224.6	8.37E-10	1.53E-09	8.38E-11	2.45E-09	1.30E-10	2.50E-10	1.26E-11	3.92E-10	1.26E-10	2.15E-10	1.60E-11	3.57E-10	7.17E-11	1.19E-10	3.93E-12	1.94E-10
3392	742557.77	4108249.71	8.63E-10	1.57E-09	8.63E-11	2.52E-09	1.34E-10	2.58E-10	1.29E-11	4.04E-10	1.30E-10	2.22E-10	1.64E-11	3.68E-10	7.39E-11	1.22E-10	4.05E-12	2.00E-10
3393	742593.83	4108274.83	8.80E-10	1.60E-09	8.80E-11	2.57E-09	1.36E-10	2.63E-10	1.32E-11	4.12E-10	1.33E-10	2.26E-10	1.68E-11	3.75E-10	7.54E-11	1.25E-10	4.13E-12	2.04E-10
3394	742629.89	4108299.94	8.90E-10	1.62E-09	8.90E-11	2.60E-09	1.38E-10	2.66E-10	1.34E-11	4.17E-10	1.34E-10	2.29E-10	1.70E-11	3.80E-10	7.62E-11	1.26E-10	4.18E-12	2.07E-10
3395	742665.95	4108325.06	8.96E-10	1.63E-09	8.96E-11	2.62E-09	1.39E-10	2.68E-10	1.34E-11	4.20E-10	1.35E-10	2.30E-10	1.71E-11	3.82E-10	7.68E-11	1.27E-10	4.21E-12	2.08E-10
3396	742702	4108350.18	9.02E-10	1.64E-09	9.03E-11	2.64E-09	1.40E-10	2.70E-10	1.35E-11	4.23E-10	1.36E-10	2.32E-10	1.72E-11	3.85E-10	7.73E-11	1.28E-10	4.24E-12	2.09E-10
3397	742738.06	4108375.29	9.13E-10	1.66E-09	9.13E-11	2.67E-09	1.42E-10	2.73E-10	1.37E-11	4.28E-10	1.38E-10	2.35E-10	1.74E-11	3.90E-10	7.82E-11	1.29E-10	4.29E-12	2.12E-10
3398	742774.12	4108400.41	9.28E-10	1.69E-09	9.29E-11	2.71E-09	1.44E-10	2.77E-10	1.39E-11	4.35E-10	1.40E-10	2.39E-10	1.77E-11	3.96E-10	7.95E-11	1.32E-10	4.36E-12	2.15E-10
3399	742810.18	4108425.53	9.52E-10	1.73E-09	9.52E-11	2.78E-09	1.48E-10	2.84E-10	1.43E-11	4.46E-10	1.44E-10	2.45E-10	1.81E-11	4.06E-10	8.16E-11	1.35E-10	4.47E-12	2.21E-10
3400	742846.24	4108450.64	9.83E-10	1.79E-09	9.84E-11	2.87E-09	1.53E-10	2.94E-10	1.48E-11	4.61E-10	1.48E-10	2.53E-10	1.87E-11	4.20E-10	8.43E-11	1.39E-10	4.62E-12	2.28E-10
3401	742882.3	4108475.76	1.02E-09	1.87E-09	1.02E-10	2.99E-09	1.59E-10	3.06E-10	1.54E-11	4.80E-10	1.54E-10	2.63E-10	1.95E-11	4.37E-10	8.78E-11	1.45E-10	4.81E-12	2.38E-10
3402	742918.36	4108500.88	1.08E-09	1.96E-09	1.08E-10	3.14E-09	1.67E-10	3.21E-10	1.61E-11	5.04E-10	1.62E-10	2.76E-10	2.05E-11	4.59E-10	9.21E-11	1.52E-10	5.05E-12	2.50E-10
3403	742954.42	4108525.99	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.39E-10	1.70E-11	5.32E-10	1.71E-10	2.92E-10	2.16E-11	4.85E-10	9.73E-11	1.61E-10	5.34E-12	2.64E-10
3404	742990.48	4108551.11	1.20E-09	2.19E-09	1.21E-10	3.52E-09	1.87E-10	3.60E-10	1.81E-11	5.65E-10	1.82E-10	3.10E-10	2.30E-11	5.14E-10	1.03E-10	1.71E-10	5.66E-12	2.80E-10
3405	743026.54	4108576.22	1.28E-09	2.33E-09	1.28E-10	3.74E-09	1.99E-10	3.83E-10	1.92E-11	6.01E-10	1.93E-10	3.29E-10	2.44E-11	5.47E-10	1.10E-10	1.82E-10	6.02E-12	2.97E-10
3406	743062.6	4108601.34	1.36E-09	2.49E-09	1.37E-10	3.99E-09	2.12E-10	4.08E-10	2.05E-11	6.40E-10	2.06E-10	3.51E-10	2.60E-11	5.82E-10	1.17E-10	1.93E-10	6.41E-12	3.17E-10
3407	743098.66	4108626.46	1.45E-09	2.65E-09	1.45E-10	4.24E-09	2.25E-10	4.34E-10	2.18E-11	6.81E-10	2.19E-10	3.73E-10	2.77E-11	6.20E-10	1.24E-10	2.06E-10	6.82E-12	3.37E-10
3408	743134.72	4108651.57	1.54E-09	2.80E-09	1.54E-10	4.50E-09	2.39E-10	4.60E-10	2.31E-11	7.22E-10	2.32E-10	3.96E-10	2.93E-11	6.57E-10	1.32E-10	2.18E-10	7.23E-12	3.57E-10
3409	743170.77	4108676.69	1.62E-09	2.96E-09	1.62E-10	4.74E-09	2.52E-10	4.85E-10	2.43E-11	7.60E-10	2.45E-10	4.17E-10	3.09E-11	6.92E-10	1.39E-10	2.30E-10	7.62E-12	3.77E-10
3410	743206.83	4108701.81	1.70E-09	3.09E-09	1.70E-10	4.96E-09	2.63E-10	5.07E-10	2.55E-11	7.95E-10	2.56E-10	4.36E-10	3.23E-11	7.24E-10	1.45E-10	2.40E-10	7.97E-12	3.94E-10
3411	743242.89	4108726.92	1.76E-09	3.20E-09	1.76E-10	5.13E-09	2.72E-10	5.25E-10	2.64E-11	8.24E-10	2.65E-10	4.52E-10	3.35E-11	7.50E-10	1.51E-10	2.49E-10	8.26E-12	4.08E-10
3412	743278.95	4108752.04	1.81E-09	3.29E-09	1.81E-10	5.28E-09	2.80E-10	5.39E-10	2.71E-11	8.47E-10	2.72E-10	4.64E-10	3.44E-11	7.71E-10	1.55E-10	2.56E-10	8.49E-12	4.19E-10
3413	743315.01	4108777.16	1.84E-09	3.36E-09	1.84E-10	5.38E-09	2.86E-10	5.50E-10	2.77E-11	8.64E-10	2.78E-10	4.74E-10	3.51E-11	7.87E-10	1.58E-10	2.61E-10	8.66E-12	4.28E-10
3414	743351.07	4108802.27	1.87E-09	3.41E-09	1.87E-10	5.47E-09	2.90E-10	5.59E-10	2.81E-11	8.78E-10	2.82E-10	4.81E-10	3.57E-11	8.00E-10	1.60E-10	2.66E-10	8.80E-12	4.35E-10
3415	743387.13	4108827.39	1.90E-09	3.47E-09	1.90E-10	5.56E-09	2.95E-10	5.68E-10	2.86E-11	8.92E-10	2.87E-10	4.89E-10	3.63E-11	8.12E-10	1.63E-10	2.70E-10	8.94E-12	4.42E-10
3416	743423.19	4108852.5	1.94E-09	3.53E-09	1.94E-10	5.65E-09	3.00E-10	5.78E-10	2.90E-11	9.07E-10	2.92E-10	4.97E-10	3.69E-11	8.26E-10	1.66E-10	2.74E-10	9.09E-12	4.49E-10
3417	743459.25	4108877.62	1.97E-09	3.59E-09	1.97E-10	5.75E-09	3.05E-10	5.88E-10	2.95E-11	9.23E-10	2.97E-10	5.06E-10	3.75E-11	8.40E-10	1.69E-10	2.79E-10	9.25E-12	4.57E-10
3418	740876.48	4108350.48	5.51E-10	1.00E-09	5.52E-11	1.61E-09	8.55E-11	1.65E-10	8.28E-12	2.59E-10	8.32E-11	1.42E-10	1.05E-11	2.35E-10	4.73E-11	7.82E-11	2.59E-12	1.28E-10
3419	740838.86	4108374.4	5.69E-10	1.04E-09	5.70E-11	1.66E-09	8.83E-11	1.70E-10	8.54E-12	2.67E-10	8.58E-11	1.46E-10	1.08E-11	2.43E-10	4.88E-11	8.07E-11	2.68E-12	1.32E-10
3420	740801.23	4108398.32	5.85E-10	1.07E-09	5.85E-11	1.71E-09	9.07E-11	1.75E-10	8.77E-12	2.74E-10	8.81E-11	1.50E-10	1.11E-11	2.50E-10	5.01E-11	8.29E-11	2.75E-12	1.36E-10
3421	740746.36	4107989.37	3.93E-10	7.16E-10	3.93E-11	1.15E-09	6.09E-11	1.17E-10	5.90E-12	1.84E-10	5.93E-11	1.01E-10	7.49E-12	1.68E-10	3.37E-11	5.57E-11	1.85E-12	9.12E-11
3422	740790.12	4107981.64	3.87E-10	7.05E-10	3.87E-11	1.13E-09	6.00E-11	1.16E-10	5.81E-12	1.81E-10	5.83E-11	9.94E-11	7.37E-12	1.65E-10	3.31E-11	5.48E-11	1.82E-12	8.98E-11
3423	740833.89	4107973.92	3.83E-10	6.97E-10	3.83E-11	1.12E-09	5.93E-11	1.14E-10	5.74E-12	1.79E-10	5.77E-11	9.84E-11	7.29E-12	1.63E-10	3.28E-11	5.42E-11	1.80E-12	8.88E-11
3424	740877.65	4107966.19	3.81E-10	6.94E-10	3.81E-11	1.11E-09	5.91E-11	1.14E-10	5.72E-12	1.79E-10	5.74E-11	9.79E-11	7.26E-12	1.63E-10	3.26E-11	5.40E-11	1.79E-12	8.84E-11
3425	740921.42	4107958.47	3.81E-10	6.95E-10	3.82E-11	1.11E-09	5.91E-11	1.14E-10	5.72E-12	1.79E-10	5.75E-11	9.80E-11	7.27E-12	1.63E-10	3.27E-11	5.41E-11	1.79E-12	8.85E-11
3426	740965.18	4107950.74	3.83E-10	6.99E-10	3.84E-11	1.12E-09	5.95E-11	1.15E-10	5.76E-12	1.80E-10	5.78E-11	9.86E-11	7.31E-12	1.64E-10	3.29E-11	5.44E-11	1.80E-12	8.90E-11
3427	741008.95	4107943.02	3.87E-10	7.05E-10	3.87E-11	1.13E-09	6.00E-11	1.16E-10	5.80E-12	1.81E-10	5.83E-11	9.94E-11	7.37E-12	1.65E-10	3.31E-11	5.48E-11	1.82E-12	8.98E-11
3428	741052.71	4107935.29	3.90E-10	7.11E-10	3.90E-11	1.14E-09	6.05E-11	1.17E-10	5.86E-12	1.83E-10	5.88E-11	1.00E-10	7.44E-12	1.67E-10	3.34E-11	5.53E-11	1.83E-12	9.06E-11
3429	741096.48	4107927.57	3.93E-10	7.17E-10	3.93E-11	1.15E-09	6.10E-11	1.17E-10	5.90E-12	1.84E-10	5.93E-11	1.01E-10	7.49E-12	1.68E-10	3.37E-11	5.58E-11	1.85E-12	9.13E-11
3430	741140.24	4107919.84	3.96E-10	7.21E-10	3.96E-11	1.16E-09	6.14E-11	1.18E-10	5.94E-12	1.86E-10	5.97E-11	1.02E-10	7.54E-12	1.69E-10	3.39E-11	5.61E-11	1.86E-12	9.19E-11
3431	741184.01	4107912.12	3.98E-10	7.25E-10	3.98E-11	1.16E-09	6.17E-11	1.19E-10	5.97E-12	1.86E-10	6.00E-11	1.02E-10	7.58E-12	1.70E-10	3.41E-11	5.64E-11	1.87E-12	9.23E-11
3432	741227.78	4107904.39	3.99E-10	7.27E-10	3.99E-11	1.17E-09	6.19E-11	1.19E-10	5.99E-12	1.87E-10	6.02E-11	1.03E-10	7.61E-12	1.70E-10	3.42E-11	5.66E-11	1.88E-12	9.27E-11
3433	741271.54	4107896.67	4.01E-10	7.30E-10	4.01E-11	1.17E-09	6.22E-11	1.20E-10	6.02E-12	1.88E-10	6.05E-11	1.03E-10	7.64E-12	1.71E-10	3.43E-11	5.68E-11	1.88E-12	9.31E-11
3434	741315.31	4107888.94	4.03E-10	7.35E-10	4.04E-11	1.18E-09	6.26E-11	1.21E-10	6.06E-12	1.89E-10	6.08E-11	1.04E-10	7.69E-12	1.72E-10	3.46E-11	5.72E-11	1.90E-12	9.37E-11
3435	741359.07	4107881.22	4.07E-10	7.42E-10	4.08E-11	1.19E-09	6.32E-11	1.22E-10	6.11E-12	1.91E-10	6.14E-11	1.05E-10	7.76E-12	1.74E-10	3.49E-11	5.78E-11	1.91E-12	9.46E-11
3436	741402.84	4107873.49	4.13E-10	7.52E-10	4.13E-11	1.21E-09	6.40E-11	1.23E-10	6.20E-12	1.94E-10	6.23E-11	1.06E-10	7.87E-12	1.76E-10	3.54E-11	5.85E-11	1.94E-12	9.58E-11
3437	741446.6	4107865.77	4.19E-10	7.64E-10	4.20E-11	1.23E-09	6.50E-11	1.25E-10	6.30E-12	1.97E-10	6.32E-11	1.08E-10	7.99E-12	1.79E-10	3.59E-11	5.95E-11	1.97E-12	9.74E-11
3438	741490.37	4107858.04	4.26E-10	7.77E-10	4.27E-11	1.25E-09	6.61E-11	1.27E-10	6.40E-12	2.00E-10	6.43E-11	1.10E-10	8.13E-12	1.82E-10	3.65E-11	6.05E-11	2.00E-12	9.90E-11
3439	741534.13	4107850.32	4.33E-10	7.89E-10	4.33E-11	1.27E-09	6.72E-11	1.29E-10	6.50E-12	2.03E-10	6.53E-11	1.11E-10	8.26E-12	1.85E-10	3.71E-11	6.14E-11	2.04E-12	1.01E-10
3440	741577.9	4107842.59	4.39E-10	8.00E-10	4.40E-11	1.28E-09	6.81E-11	1.31E-10	6.59E-12	2.06E-10	6.62E-11	1.13E-10	8.37E-12	1.88E-10	3.76E-11	6.23E-11	2.06E-12	1.02E-10
3441	741621.66	4107834.87	4.44E-10	8.09E-10	4.44E-11	1.30E-09	6.89E-11	1.33E-10	6.67E-12	2.08E-10	6.70E-11	1.14E-10	8.46E-12	1.90E-10	3.81E-11	6.30E-11	2.09E-12	1.03E-10
3442	741665.43	4107827.14	4.48E-10	8.16E-10	4.48E-11	1.31E-09	6.95E-11	1.34E-10	6.72E-12	2.10E-10	6.76E-11	1.15E-10	8.54E-12	1.91E-10	3.84E-11	6.35E-11	2.11E-12	1.04E-10
3443	741709.2	4107819.42	4.51E-10	8.22E-10	4.51E-11	1.32E-09	7.00E-11	1.35E-10	6.77E-12	2.11E-10	6.80E-11	1.16E-10	8.60E-12	1.93E-10	3.87E-11	6.40E-11	2.12E-12	1.05E-10
3444	741752.96	4107811.7	4.54E-10	8.27E-10	4.54E-11	1.33E-09	7.04E-11	1.36E-10	6.82E-12	2.13E-10	6.85E-11	1.17E-10	8.65E-12	1.94E-10	3.89E-11	6.44E-11	2.13E-12	1.05E-10
3445	741796.73	4107803.97	4.58E-10	8.34E-10	4.58E-11	1.34E-09	7.10E-11	1.37E-10	6.87E-12	2.15E-10	6.90E-11	1.18E-10	8.72E-12	1.95E-10	3.92E-11	6.49E-11	2.15E-12	1.06E-10
3446	741840.49	4107796.25	4.62E-10	8.42E-10	4.62E-11	1.35E-09	7.16E-11	1.38E-10	6.93E-12	2.17E-10	6.96E-11	1.19E-10	8.80E-12	1.97E-10	3.96E-11	6.55E-11	2.17E-12	1.07E-10
3447	741884.26	4107788.52	4.67E-10	8.52E-10	4.68E-11	1.37E-09	7.25E-11	1.40E-10	7.01E-12	2.19E-10	7.05E-11	1.20E-10	8.91E-12	2.00E-10	4.00E-11	6.63E-11	2.20E-12	1.09E-10
3448	741928.02	4107780.8	4.73E-10	8.62E-10	4.73E-11	1.38E-09	7.34E-11	1.41E-10	7.10E-12	2.22E-10	7.14E-11	1.22E-10	9.02E-12	2.02E-10	4.05E-11	6.71E-11	2.22E-12	1.10E-10
3449	741971.79	4107773.07	4.79E-10	8.73E-10	4.79E-11	1.40E-09	7.43E-11	1.43E-10	7.19E-12	2.24E-10	7.22E-11	1.23E-10	9.12E-12	2.04E-10	4.10E-11	6.79E-11	2.25E-12	1.11E-10
3450	742015.55	4107765.35	4.83E-10	8.81E-10	4.84E-11	1.41E-09	7.49E-11	1.44E-10	7.25E-12	2.27E-10	7.29E-11	1.24E-10	9.21E-12	2.06E-10	4.14E-11	6.85E-11	2.27E-12	1.12E-10
3451	742059.32	4107757.62	4.86E-10	8.85E-10	4.86E-11	1.42E-09	7.53E-11	1.45E-10	7.29E-12	2.28E-10	7.33E-11	1.25E-10	9.26E-12	2.07E-10	4.16E-11	6.89E-11	2.28E-12	1.13E-10
3452	742103.08	4107749.9	4.86E-10	8.86E-10	4.86E-11	1.42E-09	7.54E-11	1.45E-10	7.30E-12	2.28E-10	7.33E-11	1.25E-10	9.26E-12	2.08E-10	4.17E-11	6.89E-11	2.28E-12	1.13E-10

3453	742146.85	4107742.17	4.84E-10	8.82E-10	4.85E-11	1.42E-09	7.51E-11	1.45E-10	7.27E-12	2.27E-10	7.30E-11	1.24E-10	9.23E-12	2.07E-10	4.15E-11	6.87E-11	2.28E-12	1.12E-10
3454	742190.62	4107734.45	4.81E-10	8.76E-10	4.81E-11	1.40E-09	7.45E-11	1.44E-10	7.21E-12	2.25E-10	7.25E-11	1.24E-10	9.16E-12	2.05E-10	4.12E-11	6.82E-11	2.26E-12	1.12E-10
3455	742234.38	4107726.72	4.77E-10	8.69E-10	4.77E-11	1.39E-09	7.39E-11	1.42E-10	7.15E-12	2.23E-10	7.19E-11	1.23E-10	9.08E-12	2.03E-10	4.08E-11	6.76E-11	2.24E-12	1.11E-10
3456	742278.15	4107719	4.74E-10	8.63E-10	4.74E-11	1.38E-09	7.34E-11	1.41E-10	7.11E-12	2.22E-10	7.14E-11	1.22E-10	9.02E-12	2.02E-10	4.06E-11	6.71E-11	2.23E-12	1.10E-10
3457	742321.91	4107711.27	4.72E-10	8.61E-10	4.73E-11	1.38E-09	7.33E-11	1.41E-10	7.09E-12	2.21E-10	7.12E-11	1.21E-10	9.00E-12	2.02E-10	4.05E-11	6.70E-11	2.22E-12	1.10E-10
3458	742365.68	4107703.55	4.74E-10	8.64E-10	4.75E-11	1.39E-09	7.35E-11	1.42E-10	7.12E-12	2.22E-10	7.15E-11	1.22E-10	9.04E-12	2.02E-10	4.06E-11	6.72E-11	2.23E-12	1.10E-10
3459	742427.68	4107708.52	4.90E-10	8.92E-10	4.90E-11	1.43E-09	7.59E-11	1.46E-10	7.35E-12	2.30E-10	7.38E-11	1.26E-10	9.33E-12	2.09E-10	4.20E-11	6.94E-11	2.30E-12	1.14E-10
3460	742464.14	4107733.92	5.12E-10	9.33E-10	5.12E-11	1.50E-09	7.94E-11	1.53E-10	7.69E-12	2.40E-10	7.72E-11	1.32E-10	9.76E-12	2.19E-10	4.39E-11	7.26E-11	2.41E-12	1.19E-10
3461	742500.61	4107759.33	5.38E-10	9.80E-10	5.38E-11	1.57E-09	8.34E-11	1.61E-10	8.07E-12	2.52E-10	8.11E-11	1.38E-10	1.02E-11	2.30E-10	4.61E-11	7.63E-11	2.53E-12	1.25E-10
3462	742537.08	4107784.73	5.65E-10	1.03E-09	5.65E-11	1.65E-09	8.76E-11	1.69E-10	8.48E-12	2.65E-10	8.52E-11	1.45E-10	1.08E-11	2.41E-10	4.84E-11	8.01E-11	2.66E-12	1.31E-10
3463	742573.55	4107810.13	5.93E-10	1.08E-09	5.93E-11	1.73E-09	9.19E-11	1.77E-10	8.89E-12	2.78E-10	8.94E-11	1.52E-10	1.13E-11	2.53E-10	5.08E-11	8.40E-11	2.78E-12	1.38E-10
3464	742610.01	4107835.53	6.17E-10	1.12E-09	6.18E-11	1.80E-09	9.57E-11	1.84E-10	9.27E-12	2.89E-10	9.31E-11	1.59E-10	1.18E-11	2.64E-10	5.29E-11	8.75E-11	2.90E-12	1.43E-10
3465	742646.48	4107860.93	6.37E-10	1.16E-09	6.38E-11	1.86E-09	9.88E-11	1.90E-10	9.57E-12	2.99E-10	9.61E-11	1.64E-10	1.21E-11	2.72E-10	5.46E-11	9.04E-11	3.00E-12	1.48E-10
3466	742682.95	4107886.33	6.51E-10	1.19E-09	6.52E-11	1.90E-09	1.01E-10	1.95E-10	9.77E-12	3.05E-10	9.82E-11	1.67E-10	1.24E-11	2.78E-10	5.58E-11	9.23E-11	3.06E-12	1.51E-10
3467	742719.42	4107911.73	6.58E-10	1.20E-09	6.59E-11	1.92E-09	1.02E-10	1.97E-10	9.88E-12	3.09E-10	9.93E-11	1.69E-10	1.25E-11	2.81E-10	5.64E-11	9.34E-11	3.09E-12	1.53E-10
3468	742755.89	4107937.13	6.61E-10	1.20E-09	6.61E-11	1.93E-09	1.02E-10	1.97E-10	9.92E-12	3.10E-10	9.96E-11	1.70E-10	1.26E-11	2.82E-10	5.66E-11	9.37E-11	3.11E-12	1.53E-10
3469	742792.35	4107962.53	6.60E-10	1.20E-09	6.60E-11	1.93E-09	1.02E-10	1.97E-10	9.90E-12	3.09E-10	9.95E-11	1.70E-10	1.26E-11	2.82E-10	5.65E-11	9.36E-11	3.10E-12	1.53E-10
3470	742828.82	4107987.93	6.59E-10	1.20E-09	6.59E-11	1.93E-09	1.02E-10	1.97E-10	9.89E-12	3.09E-10	9.94E-11	1.69E-10	1.26E-11	2.81E-10	5.65E-11	9.34E-11	3.10E-12	1.53E-10
3471	742865.29	4108013.33	6.61E-10	1.20E-09	6.61E-11	1.93E-09	1.03E-10	1.97E-10	9.92E-12	3.10E-10	9.97E-11	1.70E-10	1.26E-11	2.82E-10	5.66E-11	9.37E-11	3.11E-12	1.53E-10
3472	742901.76	4108038.73	6.68E-10	1.22E-09	6.68E-11	1.95E-09	1.04E-10	1.99E-10	1.00E-11	3.13E-10	1.01E-10	1.72E-10	1.27E-11	2.85E-10	5.72E-11	9.47E-11	3.14E-12	1.55E-10
3473	742938.22	4108064.13	6.79E-10	1.24E-09	6.80E-11	1.99E-09	1.05E-10	2.03E-10	1.02E-11	3.19E-10	1.02E-10	1.75E-10	1.29E-11	2.90E-10	5.82E-11	9.63E-11	3.19E-12	1.58E-10
3474	742974.69	4108089.54	6.96E-10	1.27E-09	6.97E-11	2.04E-09	1.08E-10	2.08E-10	1.05E-11	3.27E-10	1.05E-10	1.79E-10	1.33E-11	2.97E-10	5.97E-11	9.88E-11	3.27E-12	1.62E-10
3475	743011.16	4108114.94	7.17E-10	1.31E-09	7.18E-11	2.10E-09	1.11E-10	2.14E-10	1.08E-11	3.36E-10	1.08E-10	1.84E-10	1.37E-11	3.06E-10	6.15E-11	1.02E-10	3.37E-12	1.67E-10
3476	743047.63	4108140.34	7.43E-10	1.35E-09	7.43E-11	2.17E-09	1.15E-10	2.22E-10	1.11E-11	3.48E-10	1.12E-10	1.91E-10	1.42E-11	3.17E-10	6.36E-11	1.05E-10	3.49E-12	1.72E-10
3477	743084.09	4108165.74	7.72E-10	1.41E-09	7.72E-11	2.25E-09	1.20E-10	2.30E-10	1.16E-11	3.62E-10	1.16E-10	1.98E-10	1.47E-11	3.29E-10	6.61E-11	1.09E-10	3.63E-12	1.79E-10
3478	743120.56	4108191.14	8.05E-10	1.47E-09	8.06E-11	2.35E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.21E-10	2.07E-10	1.53E-11	3.44E-10	6.90E-11	1.14E-10	3.78E-12	1.87E-10
3479	743157.03	4108216.54	8.43E-10	1.54E-09	8.43E-11	2.46E-09	1.31E-10	2.52E-10	1.26E-11	3.95E-10	1.27E-10	2.17E-10	1.61E-11	3.60E-10	7.22E-11	1.19E-10	3.96E-12	1.96E-10
3480	743193.5	4108241.94	8.84E-10	1.61E-09	8.85E-11	2.58E-09	1.37E-10	2.64E-10	1.33E-11	4.15E-10	1.33E-10	2.27E-10	1.69E-11	3.78E-10	7.58E-11	1.25E-10	4.16E-12	2.05E-10
3481	743229.96	4108267.34	9.30E-10	1.70E-09	9.31E-11	2.72E-09	1.44E-10	2.78E-10	1.40E-11	4.36E-10	1.40E-10	2.39E-10	1.77E-11	3.97E-10	7.97E-11	1.32E-10	4.37E-12	2.16E-10
3482	743266.43	4108292.74	9.79E-10	1.78E-09	9.79E-11	2.86E-09	1.52E-10	2.92E-10	1.47E-11	4.59E-10	1.48E-10	2.52E-10	1.86E-11	4.18E-10	8.39E-11	1.39E-10	4.60E-12	2.27E-10
3483	743302.9	4108318.14	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.54E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.39E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
3484	743339.37	4108343.54	1.08E-09	1.97E-09	1.08E-10	3.16E-09	1.68E-10	3.23E-10	1.62E-11	5.07E-10	1.63E-10	2.78E-10	2.06E-11	4.62E-10	9.26E-11	1.53E-10	5.08E-12	2.51E-10
3485	743375.83	4108368.94	1.13E-09	2.06E-09	1.13E-10	3.31E-09	1.76E-10	3.39E-10	1.70E-11	5.31E-10	1.71E-10	2.91E-10	2.16E-11	4.84E-10	9.71E-11	1.61E-10	5.33E-12	2.63E-10
3486	743412.3	4108394.35	1.18E-09	2.16E-09	1.18E-10	3.46E-09	1.84E-10	3.54E-10	1.78E-11	5.55E-10	1.78E-10	3.04E-10	2.25E-11	5.05E-10	1.01E-10	1.68E-10	5.56E-12	2.75E-10
3487	743448.77	4108419.75	1.23E-09	2.24E-09	1.23E-10	3.59E-09	1.91E-10	3.67E-10	1.84E-11	5.76E-10	1.85E-10	3.16E-10	2.34E-11	5.25E-10	1.05E-10	1.74E-10	5.77E-12	2.85E-10
3488	743485.24	4108445.15	1.27E-09	2.31E-09	1.27E-10	3.70E-09	1.96E-10	3.79E-10	1.90E-11	5.94E-10	1.91E-10	3.26E-10	2.41E-11	5.41E-10	1.09E-10	1.80E-10	5.95E-12	2.94E-10
3489	743521.7	4108470.55	1.30E-09	2.36E-09	1.30E-10	3.79E-09	2.01E-10	3.87E-10	1.95E-11	6.08E-10	1.96E-10	3.33E-10	2.47E-11	5.54E-10	1.11E-10	1.84E-10	6.09E-12	3.01E-10
3490	743558.17	4108495.95	1.32E-09	2.40E-09	1.32E-10	3.85E-09	2.04E-10	3.94E-10	1.98E-11	6.18E-10	1.99E-10	3.39E-10	2.51E-11	5.63E-10	1.13E-10	1.87E-10	6.19E-12	3.06E-10
3491	743594.64	4108521.35	1.33E-09	2.43E-09	1.33E-10	3.90E-09	2.07E-10	3.98E-10	2.00E-11	6.25E-10	2.01E-10	3.43E-10	2.54E-11	5.69E-10	1.14E-10	1.89E-10	6.27E-12	3.10E-10
3492	743631.11	4108546.75	1.35E-09	2.45E-09	1.35E-10	3.94E-09	2.09E-10	4.02E-10	2.02E-11	6.32E-10	2.03E-10	3.46E-10	2.57E-11	5.75E-10	1.15E-10	1.91E-10	6.33E-12	3.13E-10
3493	743667.57	4108572.15	1.36E-09	2.48E-09	1.36E-10	3.98E-09	2.11E-10	4.07E-10	2.05E-11	6.39E-10	2.06E-10	3.50E-10	2.60E-11	5.82E-10	1.17E-10	1.93E-10	6.41E-12	3.17E-10
3494	743704.04	4108597.55	1.38E-09	2.52E-09	1.38E-10	4.04E-09	2.15E-10	4.13E-10	2.08E-11	6.49E-10	2.09E-10	3.56E-10	2.64E-11	5.91E-10	1.19E-10	1.96E-10	6.50E-12	3.21E-10
3495	743740.51	4108622.95	1.41E-09	2.57E-09	1.41E-10	4.11E-09	2.18E-10	4.21E-10	2.11E-11	6.60E-10	2.12E-10	3.62E-10	2.68E-11	6.01E-10	1.21E-10	2.00E-10	6.62E-12	3.27E-10
3496	743776.98	4108648.35	1.43E-09	2.61E-09	1.43E-10	4.18E-09	2.22E-10	4.28E-10	2.15E-11	6.71E-10	2.16E-10	3.68E-10	2.73E-11	6.11E-10	1.23E-10	2.03E-10	6.73E-12	3.32E-10
3497	743813.45	4108673.75	1.45E-09	2.64E-09	1.45E-10	4.24E-09	2.25E-10	4.34E-10	2.18E-11	6.80E-10	2.19E-10	3.73E-10	2.77E-11	6.20E-10	1.24E-10	2.06E-10	6.82E-12	3.37E-10
3498	740661.89	4108012.91	4.11E-10	7.49E-10	4.11E-11	1.20E-09	6.38E-11	1.23E-10	6.17E-12	1.93E-10	6.20E-11	1.06E-10	7.84E-12	1.76E-10	3.52E-11	5.83E-11	1.93E-12	9.55E-11
3499	740624.27	4108036.83	4.24E-10	7.73E-10	4.25E-11	1.24E-09	6.58E-11	1.27E-10	6.37E-12	1.99E-10	6.40E-11	1.09E-10	8.09E-12	1.81E-10	3.64E-11	6.02E-11	1.99E-12	9.85E-11
3500	740586.64	4108060.75	4.36E-10	7.94E-10	4.36E-11	1.27E-09	6.76E-11	1.30E-10	6.54E-12	2.04E-10	6.57E-11	1.12E-10	8.31E-12	1.86E-10	3.74E-11	6.18E-11	2.05E-12	1.01E-10
3501	740531.58	4107651.83	3.07E-10	5.60E-10	3.07E-11	8.98E-10	4.76E-11	9.18E-11	4.61E-12	1.44E-10	4.63E-11	7.90E-11	5.85E-12	1.31E-10	2.63E-11	4.36E-11	1.44E-12	7.13E-11
3502	740575.22	4107644.13	3.02E-10	5.50E-10	3.02E-11	8.82E-10	4.68E-11	9.02E-11	4.53E-12	1.42E-10	4.55E-11	7.76E-11	5.75E-12	1.29E-10	2.59E-11	4.28E-11	1.42E-12	7.01E-11
3503	740618.87	4107636.43	2.98E-10	5.43E-10	2.98E-11	8.71E-10	4.62E-11	8.90E-11	4.47E-12	1.40E-10	4.49E-11	7.66E-11	5.68E-12	1.27E-10	2.55E-11	4.23E-11	1.40E-12	6.92E-11
3504	740662.51	4107628.72	2.96E-10	5.39E-10	2.96E-11	8.65E-10	4.59E-11	8.84E-11	4.44E-12	1.39E-10	4.46E-11	7.61E-11	5.64E-12	1.26E-10	2.54E-11	4.20E-11	1.39E-12	6.87E-11
3505	740706.15	4107621.02	2.96E-10	5.39E-10	2.96E-11	8.65E-10	4.59E-11	8.84E-11	4.44E-12	1.39E-10	4.46E-11	7.61E-11	5.64E-12	1.26E-10	2.54E-11	4.20E-11	1.39E-12	6.87E-11
3506	740749.8	4107613.32	2.97E-10	5.42E-10	2.98E-11	8.69E-10	4.61E-11	8.89E-11	4.46E-12	1.39E-10	4.49E-11	7.65E-11	5.67E-12	1.27E-10	2.55E-11	4.22E-11	1.40E-12	6.91E-11
3507	740793.44	4107605.61	3.00E-10	5.47E-10	3.01E-11	8.78E-10	4.66E-11	8.97E-11	4.51E-12	1.41E-10	4.53E-11	7.72E-11	5.72E-12	1.28E-10	2.57E-11	4.26E-11	1.41E-12	6.97E-11
3508	740837.08	4107597.91	3.04E-10	5.54E-10	3.04E-11	8.89E-10	4.72E-11	9.09E-11	4.57E-12	1.43E-10	4.59E-11	7.82E-11	5.80E-12	1.30E-10	2.61E-11	4.31E-11	1.43E-12	7.06E-11
3509	740880.72	4107590.21	3.08E-10	5.61E-10	3.08E-11	8.99E-10	4.77E-11	9.20E-11	4.62E-12	1.44E-10	4.64E-11	7.91E-11	5.87E-12	1.31E-10	2.64E-11	4.36E-11	1.45E-12	7.15E-11
3510	740924.37	4107582.5	3.11E-10	5.67E-10	3.11E-11	9.09E-10	4.82E-11	9.29E-11	4.67E-12	1.46E-10	4.69E-11	7.99E-11	5.93E-12	1.33E-10	2.66E-11	4.41E-11	1.46E-12	7.22E-11
3511	740968.01	4107574.8	3.13E-10	5.71E-10	3.13E-11	9.15E-10	4.86E-11	9.35E-11	4.70E-12	1.47E-10	4.72E-11	8.05E-11	5.97E-12	1.34E-10	2.68E-11	4.44E-11	1.47E-12	7.27E-11
3512	741011.65	4107567.1	3.14E-10	5.73E-10	3.14E-11	9.18E-10	4.87E-11	9.39E-11	4.72E-12	1.47E-10	4.74E-11	8.08E-11	5.99E-12	1.34E-10	2.69E-11	4.46E-11	1.48E-12	7.30E-11
3513	741055.29	4107559.39	3.15E-10	5.73E-10	3.15E-11	9.19E-10	4.88E-11	9.40E-11	4.72E-12	1.47E-10	4.74E-11	8.09E-11	5.99E-12	1.34E-10	2.70E-11	4.46E-11	1.48E-12	7.30E-11
3514	741098.94	4107551.69	3.14E-10	5.73E-10	3.15E-11	9.19E-10	4.88E-11	9.39E-11	4.72E-12	1.47E-10	4.74E-11	8.08E-11	5.99E-12	1.34E-10	2.69E-11	4.46E-11	1.48E-12	7.30E-11
3515	741142.58	4107543.99	3.14E-10	5.73E-10	3.14E-11	9.18E-10	4.87E-11	9.39E-11	4.72E-12	1.47E-10	4.74E-11	8.08E-11	5.99E-12	1.34E-10	2.69E-11	4.46E-11	1.48E-12	7.30E-11
3516	741186.22	4107536.28	3.15E-10	5.74E-10	3.15E-11	9.21E-10	4.88E-11	9.41E-11	4.73E-12	1.48E-10	4.75E-11	8.10E-11	6.00E-12	1.34E-10	2.70E-11	4.47E-11	1.48E-12	7.31E-11
3517	741229.86	4107528.58	3.17E-10	5.77E-10	3.17E-11	9.26E-10	4.91E-11	9.46E-11	4.75E-12	1.48E-10	4.78E-11	8.14E-11	6.04E-12	1.35E-10	2.71E-11	4.49E-11	1.49E-12	7.35E-11
3518	741273.51	4107520.88	3.20E-10	5.83E-10	3.20E-11	9.35E-10	4.96E-11	9.56E-11	4.80E-12	1.50E-10	4.82E-11	8.22E-11	6.10E-12	1.37E-10	2.74E-11	4.54E-11	1.50E-12	7.43E-11
3519	741317.15	4107513.18	3.24E-10	5.91E-10	3.25E-11	9.48E-10	5.03E-11	9.69E-11	4.87E-12	1.52E-10	4.89E-11	8.34E-11	6.18E-12	1.38E-10	2.78E-11	4.60E-11	1.52E-12	7.53E-11
3520	741360.79	4107505.47	3.30E-10	6.01E-10	3.30E-11	9.64E-10	5.12E-11	9.86E-11	4.95E-12	1.55E-10	4.98E-11	8.48E-11	6.29E-12	1.41E-10	2.83E-11	4.68E-11	1.55E-12	7.66E-11
3521	741404.44	4107497.77	3.36E-10	6.13E-10	3.36E-11	9.82E-10	5.21E-11	1.00E-10	5.05E-12	1.58E-10	5.07E-11	8.64E-11	6.41E-12	1.44E-10	2.88E-11	4.77E-11	1.58E-12	7.80E-11
3522	741448.08	4107490.07	3.42E-10	6.24E-10	3.42E-11	1.00E-09	5.31E-11	1.02E-10	5.14E-12	1.60E-10	5.16E-11	8.80E-11	6.52E-12	1.46E-10	2.93E-11	4.85E-11	1.61E-12	7.94E-11
3523	741491.72	4107482.36	3.47E-10	6.33E-10	3.48E-11	1.02E-09	5.39E-11	1.04E-10	5.21E-12	1.63E-10	5.24E-11	8.93E-11	6.62E-12	1.48E-10	2.98E-11	4.93E-11	1.63E-12	8.06E-11
3524	741535.36	4107474.66	3.52E-10	6.41E-10	3.52E-11	1.03E-09	5.45E-11	1.05E-10	5.28E-12	1.65E-10	5.30E-11	9.04E-11	6.70E-12	1.50E-10	3.01E-11	4.98E-11	1.65E-12	8.16E-11
3525	741579.01	4107466.96	3.54E-10	6.46E-10	3.55E-11	1.04E-09	5.50E-11	1.06E-10	5.32E-12	1.66E-10	5.34E-11	9.11E-11	6.75E-12	1.51E-10	3.04E-11	5.03E-11	1.67E-12	8.23E-11
3526	741622.65	4107459.25	3.56E-10	6.49E-10	3.56E-11	1.04E-09	5.52E-11	1.06E-10	5.35E-12	1.67E-10	5.37E-11	9.16E-11	6.79E-12	1.52E-10	3.05E-11	5.05E-11	1.67E-12	8.27E-11
3527	741666.29	4107451.55	3.57E-10	6.51E-10	3.57E-11	1.04E-09	5.54E-11	1.07E-10	5.36E-12	1.67E-10	5.39E-11	9.18E-11	6.81E-12	1.52E-10	3.06E-11	5.06E-11	1.68E-12	8.29E-11
3528	741709.93	4107443.85	3.58E-10	6.52E-10	3.58E-11	1.05E-09	5.55E-11	1.07E-10	5.37E-12	1.68E-10	5.40E-11	9.20E-11	6.82E-12	1.53E-10	3.07E-11	5.08E-11	1.68E-12	8.31E-11
3529	741753.58	4107436.14	3.59E-10	6.55E-10	3.60E-11	1.05E-09	5.57E-11	1.07E-10	5.39E-12	1.68E-10	5.42E-11	9.24E-11	6.85E-12	1.53E-10	3.08E-11	5.09E-11	1.69E-12	8.34E-11
3530	741797.22	4107428.44	3.61E-10	6.58E-10	3.62E-11	1.06E-09	5.60E-11	1.08E-10	5.42E-12	1.69E-10	5.45E-11	9.29E-11	6.89E-12	1.54E-10	3.10E-11	5.12E-11	1.70E-12	8.39E-11
3531	741840.86	4107420.74	3.64E-10	6.64E-10	3.65E-11	1.07E-09	5.65E-11	1.09E-10	5.47E-12	1.71E-10	5.50E-11	9.37E-11	6.95E-12	1.56E-10	3.12E-11	5.17E-11	1.71E-12	8.46E-11
3532	741884.5	4107413.03	3.69E-10	6.72E-10	3.69E-11	1.08E-09	5.72E-11	1.10E-10	5.53E-12	1.73E-10	5.56E-11	9.48E-11	7.02E-12	1.57E-10	3.16E-11	5.23E-11	1.73E-12	8.56E-11
3533	741928.15	4107405.33	3.73E-10	6.80E-10	3.74E-11	1.09E-09	5.79E-11	1.12E-10	5.60E-12	1.75E-10	5.63E-11	9.60E-11	7.12E-12	1.59E-10	3.20E-11	5.29E-11	1.75E-12	8.67E-11
3534	741971.79	4107397.63	3.78E-10	6.89E-10	3.78E-11	1.10E-09	5.86E-11	1.13E-10	5.67E-12	1.77E-10	5.70E-11	9.72E-11	7.20E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.78E-11
3535	742015.43	4107389.93	3.82E-10	6.96E-10	3.82E-11	1.12E-09	5.92E-11	1.14E-10	5.73E-12	1.79E-10	5.76E-11	9.82E-11	7.28E-12	1.63E-10	3.27E-11	5.41E-11	1.79E-12	8.87E-11
3536	742059.08	4107382.22	3.84E-10	7.01E-10	3.85E-11	1.12E-09	5.96E-11	1.15E-10	5.77E-12	1.80E-10	5.80E-11	9.88E-11	7.33E-12	1.64E-10	3.29E-11	5.45E-11	1.81E-12	8.93E-11
3537	742102.72	4107374.52	3.85E-10	7.02E-10	3.85E-11	1.13E-09	5.97E-11	1.15E-10	5.78E-12	1.81E-10	5.81E-11	9.90E-11	7.34E-12	1.64E-10	3.30E-11	5.46E-11	1.81E-12	8.94E-11
3538	742146.36	4107366.82	3.84E-10	7.00E-10	3.84E-11	1.12E-09	5.96E-11	1.15E-10	5.77E-12	1.80E-10	5.79E-11	9.88E-11	7.32E-12	1.64E-10	3.29E-11	5.45E-11	1.81E-12	8.92E-11
3539	742190	4107359.11	3.81E-10	6.95E-10	3.82E-11	1.11E-09	5.92E-11	1.14E-10	5.73E-12	1.79E-10	5.75E-11	9.81E-11	7.27E-12	1.63E-10	3.27E-11	5.41E-11	1.79E-12	8.86E-11
3540	742233.65	4107351.41	3.78E-10	6.88E-10	3.78E-11	1.10E-09	5.86E-11	1.13E-10	5.67E-12	1.77E-10	5.69E-11	9.71E-11	7.19E-12	1.61E-10	3.24E-11	5.35E-11	1.77E-12	8.77E-11
3541	742277.29	4107343.71	3.73E-10	6.80E-10	3.74E-11	1.09E-09	5.79E-11	1.12E-10	5.60E-12	1.75E-10	5.63E-11	9.60E-11	7.12E-12	1.59E-10	3.20E-11	5.29E-11	1.75E-12	8.67E-11
3542	742320.93	4107336	3.70E-10	6.74E-10	3.70E-11	1.08E-09	5.73E-11	1.10E-10	5.55E-12	1.73E-10	5.58E-11	9.51E-11	7.05E-12	1.58E-10	3.17E-11	5.24E-11	1.74E-12	8.59E-11
3543	742364.57	4107328.3	3.68E-10	6.70E-10	3.68E-11	1.07E-09	5.70E-11	1.10E-10	5.52E-12	1.72E-10	5.55E-11	9.45E-11	7.01E-12	1.57E-10	3.15E-11	5.21E-11	1.73E-12	8.54E-11
3544	742408.22	4107320.6	3.68E-10	6.71E-10	3.68E-11	1.08E-09	5.71E-11	1.10E-10	5.52E-12	1.73E-10	5.55E-11	9.46E-11	7.01E-12	1.57E-10	3.15E-11	5.22E-11	1.73E-12	8.55E-11
3545	742451.86	4107312.89	3.71E-10	6.76E-10	3.71E-11	1.08E-09	5.75E-11	1.11E-10	5.57E-12	1.74E-10	5.59E-11	9.54E-11	7.07E-12	1.58E-10	3.18E-11	5.26E-11	1.74E-12	8.61E-11
3546	742513.69	4107317.86	3.84E-10	7.00E-10	3.84E-11	1.12E-09	5.95E-11	1.15E-10	5.76E-12	1.80E-10	5.79E-11	9.87E-11	7.32E-12	1.64E-10	3.29E-11	5.44E-11	1.80E-12	8.91E-11
3547	742550.05	4107343.19	4.00E-10	7.30E-10	4.01E-11	1.17E-09	6.21E-11	1.20E-10	6.01E-12	1.88E-10	6.04E-11	1.03E-10	7.63E-12	1.71E-10	3.43E-11	5.68E-11	1.88E-12	9.30E-11
3548	742586.42	4107368.51	4.19E-10	7.64E-10	4.19E-11	1.22E-09	6.50E-11	1.25E-10	6.29E-12	1.97E-10	6.32E-11	1.08E-10	7.99E-12	1.79E-10	3.59E-11	5.94E-11	1.97E-12	9.73E-11

3549	742622.78	4107393.84	4.39E-10	8.01E-10	4.40E-11	1.28E-09	6.81E-11	1.31E-10	6.60E-12	2.06E-10	6.63E-11	1.13E-10	8.37E-12	1.88E-10	3.77E-11	6.23E-11	2.07E-12	1.02E-10
3550	742659.15	4107419.17	4.60E-10	8.38E-10	4.60E-11	1.34E-09	7.13E-11	1.37E-10	6.90E-12	2.16E-10	6.93E-11	1.18E-10	8.76E-12	1.96E-10	3.94E-11	6.52E-11	2.16E-12	1.07E-10
3551	742695.51	4107444.5	4.79E-10	8.73E-10	4.79E-11	1.40E-09	7.43E-11	1.43E-10	7.19E-12	2.24E-10	7.22E-11	1.23E-10	9.12E-12	2.04E-10	4.10E-11	6.79E-11	2.25E-12	1.11E-10
3552	742731.88	4107469.83	4.95E-10	9.02E-10	4.96E-11	1.45E-09	7.68E-11	1.48E-10	7.43E-12	2.32E-10	7.47E-11	1.27E-10	9.44E-12	2.11E-10	4.24E-11	7.02E-11	2.33E-12	1.15E-10
3553	742768.24	4107495.16	5.08E-10	9.25E-10	5.08E-11	1.48E-09	7.88E-11	1.52E-10	7.62E-12	2.38E-10	7.66E-11	1.31E-10	9.68E-12	2.17E-10	4.35E-11	7.20E-11	2.39E-12	1.18E-10
3554	742804.61	4107520.49	5.16E-10	9.40E-10	5.16E-11	1.51E-09	8.00E-11	1.54E-10	7.74E-12	2.42E-10	7.78E-11	1.33E-10	9.83E-12	2.20E-10	4.42E-11	7.31E-11	2.42E-12	1.20E-10
3555	742840.97	4107545.82	5.19E-10	9.46E-10	5.20E-11	1.52E-09	8.05E-11	1.55E-10	7.79E-12	2.43E-10	7.83E-11	1.33E-10	9.89E-12	2.22E-10	4.45E-11	7.36E-11	2.44E-12	1.21E-10
3556	742877.34	4107571.15	5.19E-10	9.45E-10	5.19E-11	1.52E-09	8.04E-11	1.55E-10	7.78E-12	2.43E-10	7.82E-11	1.33E-10	9.88E-12	2.21E-10	4.44E-11	7.35E-11	2.44E-12	1.20E-10
3557	742913.7	4107596.48	5.16E-10	9.40E-10	5.16E-11	1.51E-09	8.00E-11	1.54E-10	7.74E-12	2.42E-10	7.78E-11	1.33E-10	9.83E-12	2.20E-10	4.42E-11	7.31E-11	2.42E-12	1.20E-10
3558	742950.07	4107621.81	5.12E-10	9.34E-10	5.13E-11	1.50E-09	7.95E-11	1.53E-10	7.69E-12	2.40E-10	7.73E-11	1.32E-10	9.76E-12	2.19E-10	4.39E-11	7.26E-11	2.41E-12	1.19E-10
3559	742986.43	4107647.14	5.11E-10	9.30E-10	5.11E-11	1.49E-09	7.92E-11	1.53E-10	7.66E-12	2.39E-10	7.70E-11	1.31E-10	9.73E-12	2.18E-10	4.38E-11	7.24E-11	2.40E-12	1.19E-10
3560	743022.8	4107672.47	5.12E-10	9.33E-10	5.12E-11	1.50E-09	7.94E-11	1.53E-10	7.69E-12	2.40E-10	7.72E-11	1.32E-10	9.76E-12	2.19E-10	4.39E-11	7.26E-11	2.41E-12	1.19E-10
3561	743059.16	4107697.8	5.18E-10	9.43E-10	5.18E-11	1.51E-09	8.03E-11	1.55E-10	7.77E-12	2.43E-10	7.80E-11	1.33E-10	9.86E-12	2.21E-10	4.43E-11	7.34E-11	2.43E-12	1.20E-10
3562	743095.53	4107723.13	5.27E-10	9.61E-10	5.28E-11	1.54E-09	8.18E-11	1.58E-10	7.91E-12	2.47E-10	7.95E-11	1.36E-10	1.00E-11	2.25E-10	4.52E-11	7.48E-11	2.48E-12	1.22E-10
3563	743131.9	4107748.46	5.40E-10	9.85E-10	5.41E-11	1.58E-09	8.38E-11	1.61E-10	8.11E-12	2.53E-10	8.15E-11	1.39E-10	1.03E-11	2.31E-10	4.63E-11	7.66E-11	2.54E-12	1.25E-10
3564	743168.26	4107773.79	5.56E-10	1.01E-09	5.56E-11	1.62E-09	8.62E-11	1.66E-10	8.34E-12	2.61E-10	8.38E-11	1.43E-10	1.06E-11	2.37E-10	4.76E-11	7.88E-11	2.61E-12	1.29E-10
3565	743204.63	4107799.12	5.72E-10	1.04E-09	5.73E-11	1.67E-09	8.88E-11	1.71E-10	8.59E-12	2.68E-10	8.63E-11	1.47E-10	1.09E-11	2.44E-10	4.91E-11	8.12E-11	2.69E-12	1.33E-10
3566	743240.99	4107824.45	5.91E-10	1.08E-09	5.91E-11	1.73E-09	9.16E-11	1.76E-10	8.87E-12	2.77E-10	8.91E-11	1.52E-10	1.13E-11	2.52E-10	5.06E-11	8.38E-11	2.78E-12	1.37E-10
3567	743277.36	4107849.78	6.11E-10	1.11E-09	6.11E-11	1.78E-09	9.47E-11	1.82E-10	9.16E-12	2.86E-10	9.21E-11	1.57E-10	1.16E-11	2.61E-10	5.23E-11	8.66E-11	2.87E-12	1.42E-10
3568	743313.72	4107875.11	6.32E-10	1.15E-09	6.33E-11	1.85E-09	9.81E-11	1.89E-10	9.49E-12	2.97E-10	9.54E-11	1.63E-10	1.21E-11	2.70E-10	5.42E-11	8.97E-11	2.97E-12	1.47E-10
3569	743350.09	4107900.44	6.57E-10	1.20E-09	6.57E-11	1.92E-09	1.02E-10	1.96E-10	9.85E-12	3.08E-10	9.90E-11	1.69E-10	1.25E-11	2.80E-10	5.63E-11	9.31E-11	3.09E-12	1.52E-10
3570	743386.45	4107925.76	6.84E-10	1.25E-09	6.84E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.21E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.86E-11	9.69E-11	3.21E-12	1.59E-10
3571	743422.82	4107951.09	7.13E-10	1.30E-09	7.13E-11	2.08E-09	1.11E-10	2.13E-10	1.07E-11	3.34E-10	1.07E-10	1.83E-10	1.36E-11	3.04E-10	6.11E-11	1.01E-10	3.35E-12	1.65E-10
3572	743459.18	4107976.42	7.43E-10	1.35E-09	7.43E-11	2.17E-09	1.15E-10	2.22E-10	1.11E-11	3.48E-10	1.12E-10	1.91E-10	1.42E-11	3.17E-10	6.36E-11	1.05E-10	3.49E-12	1.72E-10
3573	743495.55	4108001.75	7.74E-10	1.41E-09	7.75E-11	2.26E-09	1.20E-10	2.31E-10	1.16E-11	3.63E-10	1.17E-10	1.99E-10	1.48E-11	3.30E-10	6.63E-11	1.10E-10	3.64E-12	1.80E-10
3574	743531.91	4108027.08	8.06E-10	1.47E-09	8.07E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.91E-11	1.14E-10	3.79E-12	1.87E-10
3575	743568.28	4108052.41	8.39E-10	1.53E-09	8.40E-11	2.45E-09	1.30E-10	2.51E-10	1.26E-11	3.93E-10	1.27E-10	2.16E-10	1.60E-11	3.58E-10	7.19E-11	1.19E-10	3.94E-12	1.95E-10
3576	743604.64	4108077.74	8.72E-10	1.59E-09	8.73E-11	2.55E-09	1.35E-10	2.61E-10	1.31E-11	4.09E-10	1.32E-10	2.24E-10	1.66E-11	3.72E-10	7.47E-11	1.24E-10	4.10E-12	2.02E-10
3577	743641.01	4108103.07	9.05E-10	1.65E-09	9.05E-11	2.64E-09	1.40E-10	2.70E-10	1.36E-11	4.24E-10	1.36E-10	2.33E-10	1.72E-11	3.86E-10	7.75E-11	1.28E-10	4.25E-12	2.10E-10
3578	743677.37	4108128.4	9.36E-10	1.71E-09	9.36E-11	2.74E-09	1.45E-10	2.80E-10	1.40E-11	4.39E-10	1.41E-10	2.41E-10	1.78E-11	4.00E-10	8.02E-11	1.33E-10	4.40E-12	2.17E-10
3579	743713.74	4108153.73	9.64E-10	1.76E-09	9.64E-11	2.82E-09	1.49E-10	2.88E-10	1.45E-11	4.52E-10	1.45E-10	2.48E-10	1.84E-11	4.11E-10	8.26E-11	1.37E-10	4.53E-12	2.24E-10
3580	743750.11	4108179.06	9.87E-10	1.80E-09	9.87E-11	2.88E-09	1.53E-10	2.95E-10	1.48E-11	4.63E-10	1.49E-10	2.54E-10	1.88E-11	4.21E-10	8.46E-11	1.40E-10	4.64E-12	2.29E-10
3581	743786.47	4108204.39	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.70E-10	1.51E-10	2.58E-10	1.91E-11	4.28E-10	8.60E-11	1.42E-10	4.72E-12	2.33E-10
3582	743822.84	4108229.72	1.01E-09	1.85E-09	1.02E-10	2.96E-09	1.57E-10	3.03E-10	1.52E-11	4.76E-10	1.53E-10	2.61E-10	1.93E-11	4.33E-10	8.69E-11	1.44E-10	4.77E-12	2.36E-10
3583	743859.2	4108255.05	1.02E-09	1.86E-09	1.02E-10	2.99E-09	1.58E-10	3.05E-10	1.53E-11	4.79E-10	1.54E-10	2.63E-10	1.95E-11	4.36E-10	8.76E-11	1.45E-10	4.80E-12	2.37E-10
3584	743895.57	4108280.38	1.03E-09	1.87E-09	1.03E-10	3.00E-09	1.59E-10	3.07E-10	1.54E-11	4.82E-10	1.55E-10	2.64E-10	1.96E-11	4.39E-10	8.81E-11	1.46E-10	4.83E-12	2.39E-10
3585	743931.93	4108305.71	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.09E-10	1.55E-11	4.86E-10	1.56E-10	2.66E-10	1.97E-11	4.42E-10	8.88E-11	1.47E-10	4.87E-12	2.41E-10
3586	743968.3	4108331.04	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.13E-10	1.57E-11	4.91E-10	1.58E-10	2.69E-10	2.00E-11	4.47E-10	8.98E-11	1.49E-10	4.92E-12	2.43E-10
3587	744004.66	4108356.37	1.06E-09	1.94E-09	1.06E-10	3.11E-09	1.65E-10	3.18E-10	1.60E-11	4.99E-10	1.60E-10	2.74E-10	2.03E-11	4.54E-10	9.12E-11	1.51E-10	5.00E-12	2.47E-10
3588	744041.03	4108381.7	1.08E-09	1.97E-09	1.08E-10	3.17E-09	1.68E-10	3.24E-10	1.63E-11	5.08E-10	1.63E-10	2.78E-10	2.06E-11	4.63E-10	9.28E-11	1.54E-10	5.09E-12	2.52E-10
3589	744077.39	4108407.03	1.10E-09	2.01E-09	1.10E-10	3.22E-09	1.71E-10	3.29E-10	1.66E-11	5.17E-10	1.66E-10	2.84E-10	2.10E-11	4.71E-10	9.45E-11	1.56E-10	5.18E-12	2.56E-10
3590	744113.76	4108432.36	1.12E-09	2.04E-09	1.12E-10	3.27E-09	1.74E-10	3.34E-10	1.68E-11	5.25E-10	1.69E-10	2.88E-10	2.13E-11	4.78E-10	9.59E-11	1.59E-10	5.26E-12	2.60E-10
3591	744150.12	4108457.69	1.13E-09	2.06E-09	1.13E-10	3.30E-09	1.75E-10	3.38E-10	1.70E-11	5.30E-10	1.71E-10	2.91E-10	2.15E-11	4.83E-10	9.69E-11	1.60E-10	5.31E-12	2.63E-10
3592	740447.3	4107675.35	3.22E-10	5.87E-10	3.22E-11	9.41E-10	4.99E-11	9.62E-11	4.83E-12	1.51E-10	4.85E-11	8.28E-11	6.13E-12	1.37E-10	2.76E-11	4.56E-11	1.51E-12	7.47E-11
3593	740409.68	4107699.27	3.32E-10	6.05E-10	3.32E-11	9.70E-10	5.15E-11	9.92E-11	4.98E-12	1.56E-10	5.01E-11	8.53E-11	6.33E-12	1.42E-10	2.84E-11	4.71E-11	1.56E-12	7.71E-11
3594	740372.05	4107723.19	3.41E-10	6.21E-10	3.41E-11	9.96E-10	5.29E-11	1.02E-10	5.12E-12	1.60E-10	5.14E-11	8.76E-11	6.50E-12	1.46E-10	2.92E-11	4.83E-11	1.60E-12	7.91E-11
3595	740316.86	4107314.29	2.49E-10	4.54E-10	2.49E-11	7.28E-10	3.86E-11	7.44E-11	3.74E-12	1.17E-10	3.75E-11	6.40E-11	4.74E-12	1.06E-10	2.13E-11	3.53E-11	1.17E-12	5.78E-11
3596	740360.41	4107306.6	2.44E-10	4.45E-10	2.45E-11	7.14E-10	3.79E-11	7.30E-11	3.67E-12	1.15E-10	3.69E-11	6.28E-11	4.66E-12	1.04E-10	2.09E-11	3.46E-11	1.15E-12	5.67E-11
3597	740403.96	4107298.91	2.41E-10	4.39E-10	2.41E-11	7.04E-10	3.73E-11	7.19E-11	3.61E-12	1.13E-10	3.63E-11	6.19E-11	4.59E-12	1.03E-10	2.06E-11	3.41E-11	1.13E-12	5.59E-11
3598	740447.51	4107291.23	2.38E-10	4.35E-10	2.39E-11	6.97E-10	3.70E-11	7.12E-11	3.58E-12	1.12E-10	3.60E-11	6.13E-11	4.54E-12	1.02E-10	2.04E-11	3.38E-11	1.12E-12	5.54E-11
3599	740491.06	4107283.54	2.38E-10	4.33E-10	2.38E-11	6.95E-10	3.69E-11	7.10E-11	3.57E-12	1.11E-10	3.59E-11	6.11E-11	4.53E-12	1.02E-10	2.04E-11	3.37E-11	1.12E-12	5.52E-11
3600	740534.62	4107275.85	2.39E-10	4.35E-10	2.39E-11	6.97E-10	3.70E-11	7.13E-11	3.58E-12	1.12E-10	3.60E-11	6.13E-11	4.55E-12	1.02E-10	2.04E-11	3.38E-11	1.12E-12	5.54E-11
3601	740578.17	4107268.17	2.41E-10	4.39E-10	2.41E-11	7.04E-10	3.73E-11	7.19E-11	3.61E-12	1.13E-10	3.63E-11	6.19E-11	4.59E-12	1.03E-10	2.06E-11	3.41E-11	1.13E-12	5.59E-11
3602	740621.72	4107260.48	2.44E-10	4.44E-10	2.44E-11	7.12E-10	3.78E-11	7.28E-11	3.66E-12	1.14E-10	3.68E-11	6.27E-11	4.65E-12	1.04E-10	2.09E-11	3.46E-11	1.15E-12	5.66E-11
3603	740665.27	4107252.79	2.47E-10	4.51E-10	2.48E-11	7.23E-10	3.84E-11	7.39E-11	3.71E-12	1.16E-10	3.73E-11	6.36E-11	4.71E-12	1.06E-10	2.12E-11	3.51E-11	1.16E-12	5.74E-11
3604	740708.82	4107245.1	2.51E-10	4.58E-10	2.51E-11	7.34E-10	3.89E-11	7.50E-11	3.77E-12	1.18E-10	3.79E-11	6.46E-11	4.79E-12	1.07E-10	2.15E-11	3.56E-11	1.18E-12	5.83E-11
3605	740752.38	4107237.42	2.54E-10	4.63E-10	2.54E-11	7.43E-10	3.94E-11	7.59E-11	3.81E-12	1.19E-10	3.83E-11	6.53E-11	4.84E-12	1.09E-10	2.18E-11	3.60E-11	1.19E-12	5.90E-11
3606	740795.93	4107229.73	2.56E-10	4.67E-10	2.56E-11	7.49E-10	3.97E-11	7.66E-11	3.85E-12	1.20E-10	3.87E-11	6.59E-11	4.88E-12	1.09E-10	2.20E-11	3.63E-11	1.20E-12	5.95E-11
3607	740839.48	4107222.04	2.57E-10	4.69E-10	2.57E-11	7.52E-10	3.99E-11	7.69E-11	3.86E-12	1.21E-10	3.88E-11	6.61E-11	4.90E-12	1.10E-10	2.20E-11	3.65E-11	1.21E-12	5.97E-11
3608	740883.03	4107214.36	2.57E-10	4.69E-10	2.58E-11	7.52E-10	3.99E-11	7.69E-11	3.86E-12	1.21E-10	3.88E-11	6.62E-11	4.91E-12	1.10E-10	2.21E-11	3.65E-11	1.21E-12	5.98E-11
3609	740926.58	4107206.67	2.57E-10	4.68E-10	2.57E-11	7.50E-10	3.98E-11	7.67E-11	3.85E-12	1.20E-10	3.87E-11	6.60E-11	4.89E-12	1.10E-10	2.20E-11	3.64E-11	1.21E-12	5.96E-11
3610	740970.14	4107198.98	2.56E-10	4.66E-10	2.56E-11	7.48E-10	3.97E-11	7.64E-11	3.84E-12	1.20E-10	3.86E-11	6.58E-11	4.88E-12	1.09E-10	2.19E-11	3.63E-11	1.20E-12	5.94E-11
3611	741013.69	4107191.29	2.55E-10	4.64E-10	2.55E-11	7.45E-10	3.95E-11	7.61E-11	3.83E-12	1.19E-10	3.84E-11	6.55E-11	4.86E-12	1.09E-10	2.18E-11	3.61E-11	1.20E-12	5.92E-11
3612	741057.24	4107183.61	2.54E-10	4.64E-10	2.55E-11	7.44E-10	3.95E-11	7.60E-11	3.82E-12	1.19E-10	3.84E-11	6.54E-11	4.85E-12	1.09E-10	2.18E-11	3.61E-11	1.20E-12	5.91E-11
3613	741100.79	4107175.92	2.55E-10	4.65E-10	2.55E-11	7.45E-10	3.95E-11	7.62E-11	3.83E-12	1.20E-10	3.85E-11	6.56E-11	4.86E-12	1.09E-10	2.19E-11	3.62E-11	1.20E-12	5.92E-11
3614	741144.34	4107168.23	2.57E-10	4.68E-10	2.57E-11	7.50E-10	3.98E-11	7.67E-11	3.85E-12	1.20E-10	3.87E-11	6.60E-11	4.89E-12	1.10E-10	2.20E-11	3.64E-11	1.21E-12	5.96E-11
3615	741187.9	4107160.55	2.60E-10	4.73E-10	2.60E-11	7.59E-10	4.03E-11	7.76E-11	3.90E-12	1.22E-10	3.92E-11	6.68E-11	4.95E-12	1.11E-10	2.23E-11	3.68E-11	1.22E-12	6.03E-11
3616	741231.45	4107152.86	2.64E-10	4.81E-10	2.64E-11	7.71E-10	4.09E-11	7.89E-11	3.96E-12	1.24E-10	3.98E-11	6.78E-11	5.03E-12	1.13E-10	2.26E-11	3.74E-11	1.24E-12	6.13E-11
3617	741275	4107145.17	2.69E-10	4.90E-10	2.69E-11	7.86E-10	4.17E-11	8.04E-11	4.04E-12	1.26E-10	4.06E-11	6.91E-11	5.13E-12	1.15E-10	2.30E-11	3.81E-11	1.26E-12	6.24E-11
3618	741318.55	4107137.48	2.74E-10	5.00E-10	2.75E-11	8.02E-10	4.26E-11	8.20E-11	4.12E-12	1.29E-10	4.14E-11	7.05E-11	5.23E-12	1.17E-10	2.35E-11	3.89E-11	1.29E-12	6.37E-11
3619	741362.1	4107129.8	2.80E-10	5.10E-10	2.80E-11	8.17E-10	4.34E-11	8.35E-11	4.20E-12	1.31E-10	4.22E-11	7.19E-11	5.33E-12	1.19E-10	2.40E-11	3.96E-11	1.31E-12	6.49E-11
3620	741405.66	4107122.11	2.84E-10	5.18E-10	2.85E-11	8.31E-10	4.41E-11	8.50E-11	4.27E-12	1.33E-10	4.29E-11	7.31E-11	5.42E-12	1.21E-10	2.44E-11	4.03E-11	1.34E-12	6.60E-11
3621	741449.21	4107114.42	2.88E-10	5.25E-10	2.88E-11	8.41E-10	4.47E-11	8.60E-11	4.32E-12	1.35E-10	4.34E-11	7.40E-11	5.49E-12	1.23E-10	2.47E-11	4.08E-11	1.35E-12	6.69E-11
3622	741492.76	4107106.74	2.91E-10	5.29E-10	2.91E-11	8.49E-10	4.51E-11	8.68E-11	4.36E-12	1.36E-10	4.38E-11	7.47E-11	5.54E-12	1.24E-10	2.49E-11	4.12E-11	1.37E-12	6.75E-11
3623	741536.31	4107099.05	2.92E-10	5.32E-10	2.92E-11	8.53E-10	4.53E-11	8.72E-11	4.38E-12	1.37E-10	4.40E-11	7.51E-11	5.56E-12	1.25E-10	2.50E-11	4.14E-11	1.37E-12	6.78E-11
3624	741579.87	4107091.36	2.92E-10	5.33E-10	2.93E-11	8.55E-10	4.53E-11	8.74E-11	4.39E-12	1.37E-10	4.41E-11	7.52E-11	5.57E-12	1.25E-10	2.51E-11	4.15E-11	1.37E-12	6.79E-11
3625	741623.42	4107083.68	2.92E-10	5.33E-10	2.93E-11	8.55E-10	4.53E-11	8.74E-11	4.39E-12	1.37E-10	4.41E-11	7.52E-11	5.57E-12	1.25E-10	2.51E-11	4.15E-11	1.37E-12	6.79E-11
3626	741666.97	4107075.99	2.92E-10	5.32E-10	2.92E-11	8.54E-10	4.53E-11	8.73E-11	4.38E-12	1.37E-10	4.41E-11	7.51E-11	5.57E-12	1.25E-10	2.50E-11	4.14E-11	1.37E-12	6.78E-11
3627	741710.52	4107068.3	2.92E-10	5.32E-10	2.92E-11	8.54E-10	4.53E-11	8.73E-11	4.38E-12	1.37E-10	4.41E-11	7.51E-11	5.57E-12	1.25E-10	2.50E-11	4.14E-11	1.37E-12	6.78E-11
3628	741754.07	4107060.61	2.93E-10	5.34E-10	2.93E-11	8.56E-10	4.54E-11	8.75E-11	4.40E-12	1.37E-10	4.42E-11	7.53E-11	5.58E-12	1.25E-10	2.51E-11	4.15E-11	1.38E-12	6.80E-11
3629	741797.63	4107052.93	2.95E-10	5.37E-10	2.95E-11	8.61E-10	4.57E-11	8.80E-11	4.42E-12	1.38E-10	4.44E-11	7.58E-11	5.62E-12	1.26E-10	2.53E-11	4.18E-11	1.39E-12	6.84E-11
3630	741841.18	4107045.24	2.97E-10	5.42E-10	2.98E-11	8.69E-10	4.61E-11	8.89E-11	4.46E-12	1.39E-10	4.49E-11	7.65E-11	5.67E-12	1.27E-10	2.55E-11	4.22E-11	1.40E-12	6.91E-11
3631	741884.73	4107037.55	3.01E-10	5.48E-10	3.01E-11	8.79E-10	4.67E-11	8.99E-11	4.52E-12	1.41E-10	4.54E-11	7.74E-11	5.73E-12	1.28E-10	2.58E-11	4.27E-11	1.41E-12	6.99E-11
3632	741928.28	4107029.87	3.05E-10	5.55E-10	3.05E-11	8.91E-10	4.73E-11	9.11E-11	4.57E-12	1.43E-10	4.60E-11	7.84E-11	5.81E-12	1.30E-10	2.61E-11	4.32E-11	1.43E-12	7.08E-11
3633	741971.83	4107022.18	3.09E-10	5.63E-10	3.09E-11	9.02E-10	4.79E-11	9.23E-11	4.63E-12	1.45E-10	4.66E-11	7.94E-11	5.88E-12	1.32E-10	2.65E-11	4.38E-11	1.45E-12	7.17E-11
3634	742015.39	4107014.49	3.12E-10	5.69E-10	3.12E-11	9.13E-10	4.84E-11	9.33E-11	4.69E-12	1.46E-10	4.71E-11	8.03E-11	5.95E-12	1.33E-10	2.68E-11	4.43E-11	1.47E-12	7.25E-11
3635	742058.94	4107006.8	3.15E-10	5.73E-10	3.15E-11	9.20E-10	4.88E-11	9.40E-11	4.72E-12	1.48E-10	4.75E-11	8.09E-11	6.00E-12	1.34E-10	2.70E-11	4.46E-11	1.48E-12	7.31E-11
3636	742102.49	4106999.12	3.16E-10	5.75E-10	3.16E-11	9.23E-10	4.90E-11	9.43E-11	4.74E-12	1.48E-10	4.76E-11	8.12E-11	6.02E-12	1.35E-10	2.71E-11	4.48E-11	1.48E-12	7.33E-11
3637	742146.04	4106991.43	3.15E-10	5.75E-10	3.15E-11	9.21E-10	4.89E-11	9.42E-11	4.73E-12	1.48E-10	4.75E-11	8.10E-11	6.01E-12	1.35E-10	2.70E-11	4.47E-11	1.48E-12	7.32E-11
3638	742189.59	4106983.74	3.14E-10	5.71E-10	3.14E-11	9.16E-10	4.86E-11	9.37E-11	4.71E-12	1.47E-10	4.73E-11	8.06E-11	5.98E-12	1.34E-10	2.69E-11	4.45E-11	1.47E-12	7.28E-11
3639	742233.15	4106976.06	3.11E-10	5.66E-10	3.11E-11	9.08E-10	4.82E-11	9.28E-11	4.66E-12	1.46E-10	4.69E-11	7.99E-11	5.92E-12	1.33E-10	2.66E-11	4.41E-11	1.46E-12	7.21E-11
3640	742276.7	4106968.37	3.08E-10	5.60E-10	3.08E-11	8.99E-10	4.77E-11	9.19E-11	4.62E-12	1.44E-10	4.64E-11	7.91E-11	5.86E-12	1.31E-10	2.64E-11	4.36E-11	1.45E-12	7.14E-11
3641	742320.25	4106960.68	3.04E-10	5.54E-10	3.04E-11	8.88E-10	4.71E-11	9.08E-11	4.56E-12	1.42E-10	4.58E-11	7.81E-11	5.79E-12	1.30E-10	2.60E-11	4.31E-11	1.43E-12	7.06E-11
3642	742363.8	4106952.99	3.00E-10	5.48E-10	3.01E-11	8.78E-10	4.66E-11	8.98E-11	4.51E-12	1.41E-10	4.53E-11	7.72E-11	5.73E-12	1.28E-10	2.57E-11	4.26E-11	1.41E-12	6.98E-11
3643	742407.35	4106945.31	2.98E-10	5.43E-10	2.98E-11	8.71E-10	4.62E-11	8.91E-11	4.48E-12	1.40E-10	4.50E-11	7.66E-11	5.68E-12	1.27E-10	2.55E-11	4.23E-11	1.40E-12	6.92E-11
3644	742450.91	4106937.62	2.97E-10	5.42E-10	2.98E-11	8.69E-10	4.61E-11	8.89E-11	4.46E-12	1.39E-10	4.49E-11	7.65E-11	5.67E-12	1.27E-10	2.55E-11	4.22E-11	1.40E-12	6.91E-11

3645	742494.46	4106929.93	2.98E-10	5.44E-10	2.99E-11	8.72E-10	4.63E-11	8.92E-11	4.48E-12	1.40E-10	4.50E-11	7.67E-11	5.69E-12	1.27E-10	2.56E-11	4.23E-11	1.40E-12	6.93E-11
3646	742538.01	4106922.25	3.01E-10	5.49E-10	3.02E-11	8.81E-10	4.68E-11	9.01E-11	4.52E-12	1.41E-10	4.55E-11	7.75E-11	5.74E-12	1.29E-10	2.58E-11	4.27E-11	1.42E-12	7.00E-11
3647	742599.71	4106927.2	3.12E-10	5.69E-10	3.12E-11	9.12E-10	4.84E-11	9.32E-11	4.68E-12	1.46E-10	4.71E-11	8.02E-11	5.95E-12	1.33E-10	2.67E-11	4.43E-11	1.47E-12	7.25E-11
3648	742636	4106952.47	3.25E-10	5.92E-10	3.25E-11	9.50E-10	5.04E-11	9.71E-11	4.88E-12	1.52E-10	4.90E-11	8.35E-11	6.19E-12	1.39E-10	2.78E-11	4.61E-11	1.53E-12	7.54E-11
3649	742672.29	4106977.75	3.39E-10	6.18E-10	3.39E-11	9.91E-10	5.26E-11	1.01E-10	5.09E-12	1.59E-10	5.11E-11	8.72E-11	6.46E-12	1.45E-10	2.91E-11	4.81E-11	1.59E-12	7.87E-11
3650	742708.58	4107003.03	3.54E-10	6.46E-10	3.55E-11	1.04E-09	5.50E-11	1.06E-10	5.32E-12	1.66E-10	5.34E-11	9.11E-11	6.75E-12	1.51E-10	3.04E-11	5.03E-11	1.67E-12	8.23E-11
3651	742744.87	4107028.3	3.70E-10	6.74E-10	3.70E-11	1.08E-09	5.74E-11	1.11E-10	5.55E-12	1.73E-10	5.58E-11	9.51E-11	7.05E-12	1.58E-10	3.17E-11	5.25E-11	1.74E-12	8.59E-11
3652	742781.16	4107053.58	3.85E-10	7.01E-10	3.85E-11	1.12E-09	5.97E-11	1.15E-10	5.78E-12	1.80E-10	5.80E-11	9.89E-11	7.33E-12	1.64E-10	3.30E-11	5.46E-11	1.81E-12	8.94E-11
3653	742817.45	4107078.86	3.99E-10	7.26E-10	3.99E-11	1.16E-09	6.18E-11	1.19E-10	5.98E-12	1.87E-10	6.01E-11	1.02E-10	7.60E-12	1.70E-10	3.42E-11	5.65E-11	1.87E-12	9.25E-11
3654	742853.74	4107104.14	4.10E-10	7.47E-10	4.10E-11	1.20E-09	6.35E-11	1.22E-10	6.15E-12	1.92E-10	6.18E-11	1.05E-10	7.81E-12	1.75E-10	3.51E-11	5.81E-11	1.93E-12	9.51E-11
3655	742890.03	4107129.41	4.18E-10	7.61E-10	4.18E-11	1.22E-09	6.48E-11	1.25E-10	6.27E-12	1.96E-10	6.30E-11	1.07E-10	7.96E-12	1.78E-10	3.58E-11	5.92E-11	1.96E-12	9.70E-11
3656	742926.32	4107154.69	4.22E-10	7.70E-10	4.23E-11	1.23E-09	6.55E-11	1.26E-10	6.34E-12	1.98E-10	6.37E-11	1.09E-10	8.05E-12	1.80E-10	3.62E-11	5.99E-11	1.99E-12	9.81E-11
3657	742962.6	4107179.97	4.24E-10	7.72E-10	4.24E-11	1.24E-09	6.57E-11	1.27E-10	6.36E-12	1.99E-10	6.39E-11	1.09E-10	8.07E-12	1.81E-10	3.63E-11	6.01E-11	1.99E-12	9.83E-11
3658	742998.89	4107205.24	4.22E-10	7.68E-10	4.22E-11	1.23E-09	6.54E-11	1.26E-10	6.33E-12	1.98E-10	6.36E-11	1.08E-10	8.04E-12	1.80E-10	3.61E-11	5.98E-11	1.98E-12	9.79E-11
3659	743035.18	4107230.52	4.18E-10	7.62E-10	4.18E-11	1.22E-09	6.48E-11	1.25E-10	6.27E-12	1.96E-10	6.30E-11	1.07E-10	7.97E-12	1.78E-10	3.58E-11	5.93E-11	1.96E-12	9.70E-11
3660	743071.47	4107255.8	4.14E-10	7.54E-10	4.14E-11	1.21E-09	6.42E-11	1.24E-10	6.21E-12	1.94E-10	6.24E-11	1.06E-10	7.88E-12	1.77E-10	3.54E-11	5.87E-11	1.94E-12	9.60E-11
3661	743107.76	4107281.07	4.10E-10	7.48E-10	4.11E-11	1.20E-09	6.36E-11	1.23E-10	6.16E-12	1.92E-10	6.19E-11	1.05E-10	7.82E-12	1.75E-10	3.52E-11	5.82E-11	1.93E-12	9.53E-11
3662	743144.05	4107306.35	4.09E-10	7.46E-10	4.10E-11	1.20E-09	6.35E-11	1.22E-10	6.14E-12	1.92E-10	6.17E-11	1.05E-10	7.80E-12	1.75E-10	3.51E-11	5.80E-11	1.92E-12	9.50E-11
3663	743180.34	4107331.63	4.12E-10	7.50E-10	4.12E-11	1.20E-09	6.38E-11	1.23E-10	6.18E-12	1.93E-10	6.21E-11	1.06E-10	7.84E-12	1.76E-10	3.53E-11	5.83E-11	1.93E-12	9.55E-11
3664	743216.63	4107356.9	4.17E-10	7.60E-10	4.18E-11	1.22E-09	6.47E-11	1.25E-10	6.26E-12	1.96E-10	6.29E-11	1.07E-10	7.95E-12	1.78E-10	3.58E-11	5.92E-11	1.96E-12	9.69E-11
3665	743252.92	4107382.18	4.26E-10	7.77E-10	4.26E-11	1.25E-09	6.61E-11	1.27E-10	6.40E-12	2.00E-10	6.43E-11	1.10E-10	8.12E-12	1.82E-10	3.65E-11	6.04E-11	2.00E-12	9.90E-11
3666	743289.21	4107407.46	4.37E-10	7.97E-10	4.37E-11	1.28E-09	6.78E-11	1.31E-10	6.56E-12	2.05E-10	6.59E-11	1.12E-10	8.33E-12	1.87E-10	3.75E-11	6.20E-11	2.05E-12	1.01E-10
3667	743325.5	4107432.74	4.49E-10	8.19E-10	4.50E-11	1.31E-09	6.97E-11	1.34E-10	6.74E-12	2.11E-10	6.78E-11	1.16E-10	8.56E-12	1.92E-10	3.85E-11	6.37E-11	2.11E-12	1.04E-10
3668	743361.79	4107458.01	4.62E-10	8.42E-10	4.62E-11	1.35E-09	7.17E-11	1.38E-10	6.94E-12	2.17E-10	6.97E-11	1.19E-10	8.81E-12	1.97E-10	3.96E-11	6.55E-11	2.17E-12	1.07E-10
3669	743398.08	4107483.29	4.75E-10	8.65E-10	4.75E-11	1.39E-09	7.37E-11	1.42E-10	7.13E-12	2.23E-10	7.16E-11	1.22E-10	9.05E-12	2.03E-10	4.07E-11	6.73E-11	2.23E-12	1.10E-10
3670	743434.37	4107508.57	4.88E-10	8.89E-10	4.88E-11	1.43E-09	7.57E-11	1.46E-10	7.32E-12	2.29E-10	7.36E-11	1.25E-10	9.30E-12	2.08E-10	4.18E-11	6.92E-11	2.29E-12	1.13E-10
3671	743470.66	4107533.84	5.02E-10	9.15E-10	5.02E-11	1.47E-09	7.79E-11	1.50E-10	7.54E-12	2.35E-10	7.57E-11	1.29E-10	9.57E-12	2.14E-10	4.30E-11	7.12E-11	2.36E-12	1.17E-10
3672	743506.95	4107559.12	5.18E-10	9.43E-10	5.18E-11	1.51E-09	8.03E-11	1.55E-10	7.77E-12	2.43E-10	7.80E-11	1.33E-10	9.86E-12	2.21E-10	4.43E-11	7.34E-11	2.43E-12	1.20E-10
3673	743543.24	4107584.4	5.34E-10	9.74E-10	5.35E-11	1.56E-09	8.29E-11	1.60E-10	8.02E-12	2.51E-10	8.06E-11	1.37E-10	1.02E-11	2.28E-10	4.58E-11	7.58E-11	2.51E-12	1.24E-10
3674	743579.53	4107609.67	5.53E-10	1.01E-09	5.53E-11	1.62E-09	8.58E-11	1.65E-10	8.30E-12	2.59E-10	8.34E-11	1.42E-10	1.05E-11	2.36E-10	4.74E-11	7.84E-11	2.60E-12	1.28E-10
3675	743615.82	4107634.95	5.73E-10	1.04E-09	5.73E-11	1.67E-09	8.88E-11	1.71E-10	8.60E-12	2.69E-10	8.64E-11	1.47E-10	1.09E-11	2.45E-10	4.91E-11	8.12E-11	2.69E-12	1.33E-10
3676	743652.11	4107660.23	5.94E-10	1.08E-09	5.94E-11	1.73E-09	9.21E-11	1.77E-10	8.91E-12	2.78E-10	8.95E-11	1.53E-10	1.13E-11	2.53E-10	5.09E-11	8.42E-11	2.79E-12	1.38E-10
3677	743688.4	4107685.51	6.14E-10	1.12E-09	6.15E-11	1.80E-09	9.53E-11	1.84E-10	9.22E-12	2.88E-10	9.27E-11	1.58E-10	1.17E-11	2.62E-10	5.27E-11	8.71E-11	2.89E-12	1.43E-10
3678	743724.69	4107710.78	6.36E-10	1.16E-09	6.36E-11	1.86E-09	9.86E-11	1.90E-10	9.54E-12	2.98E-10	9.58E-11	1.63E-10	1.21E-11	2.71E-10	5.45E-11	9.01E-11	2.99E-12	1.48E-10
3679	743760.98	4107736.06	6.57E-10	1.20E-09	6.57E-11	1.92E-09	1.02E-10	1.96E-10	9.86E-12	3.08E-10	9.91E-11	1.69E-10	1.25E-11	2.80E-10	5.63E-11	9.31E-11	3.09E-12	1.53E-10
3680	743797.27	4107761.34	6.79E-10	1.24E-09	6.79E-11	1.98E-09	1.05E-10	2.03E-10	1.02E-11	3.18E-10	1.02E-10	1.74E-10	1.29E-11	2.90E-10	5.81E-11	9.62E-11	3.19E-12	1.58E-10
3681	743833.56	4107786.61	7.01E-10	1.28E-09	7.01E-11	2.05E-09	1.09E-10	2.09E-10	1.05E-11	3.29E-10	1.06E-10	1.80E-10	1.34E-11	2.99E-10	6.00E-11	9.94E-11	3.29E-12	1.63E-10
3682	743869.85	4107811.89	7.23E-10	1.32E-09	7.24E-11	2.11E-09	1.12E-10	2.16E-10	1.09E-11	3.39E-10	1.09E-10	1.86E-10	1.38E-11	3.09E-10	6.20E-11	1.03E-10	3.40E-12	1.68E-10
3683	743906.14	4107837.17	7.46E-10	1.36E-09	7.46E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.12E-10	1.92E-10	1.42E-11	3.18E-10	6.39E-11	1.06E-10	3.50E-12	1.73E-10
3684	743942.43	4107862.44	7.67E-10	1.40E-09	7.67E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.59E-10	1.16E-10	1.97E-10	1.46E-11	3.27E-10	6.57E-11	1.09E-10	3.60E-12	1.78E-10
3685	743978.72	4107887.72	7.86E-10	1.43E-09	7.86E-11	2.30E-09	1.22E-10	2.35E-10	1.18E-11	3.68E-10	1.18E-10	2.02E-10	1.50E-11	3.35E-10	6.73E-11	1.11E-10	3.69E-12	1.82E-10
3686	744015.01	4107913	8.00E-10	1.46E-09	8.01E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.21E-10	2.06E-10	1.53E-11	3.42E-10	6.86E-11	1.13E-10	3.76E-12	1.86E-10
3687	744051.3	4107938.27	8.11E-10	1.48E-09	8.12E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.09E-10	1.55E-11	3.46E-10	6.95E-11	1.15E-10	3.81E-12	1.88E-10
3688	744087.59	4107963.55	8.18E-10	1.49E-09	8.18E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.01E-11	1.16E-10	3.84E-12	1.90E-10
3689	744123.88	4107988.83	8.21E-10	1.50E-09	8.22E-11	2.40E-09	1.27E-10	2.45E-10	1.23E-11	3.85E-10	1.24E-10	2.11E-10	1.57E-11	3.51E-10	7.04E-11	1.16E-10	3.86E-12	1.91E-10
3690	744160.17	4108014.11	8.23E-10	1.50E-09	8.24E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.86E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.06E-11	1.17E-10	3.87E-12	1.91E-10
3691	744196.46	4108039.38	8.27E-10	1.51E-09	8.28E-11	2.42E-09	1.28E-10	2.47E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.53E-10	7.09E-11	1.17E-10	3.89E-12	1.92E-10
3692	744232.75	4108064.66	8.34E-10	1.52E-09	8.34E-11	2.44E-09	1.29E-10	2.49E-10	1.25E-11	3.91E-10	1.26E-10	2.14E-10	1.59E-11	3.56E-10	7.14E-11	1.18E-10	3.92E-12	1.94E-10
3693	744269.04	4108089.94	8.44E-10	1.54E-09	8.44E-11	2.47E-09	1.31E-10	2.52E-10	1.27E-11	3.96E-10	1.27E-10	2.17E-10	1.61E-11	3.60E-10	7.23E-11	1.20E-10	3.97E-12	1.96E-10
3694	744305.33	4108115.21	8.58E-10	1.56E-09	8.58E-11	2.51E-09	1.33E-10	2.56E-10	1.29E-11	4.02E-10	1.29E-10	2.20E-10	1.63E-11	3.66E-10	7.35E-11	1.22E-10	4.03E-12	1.99E-10
3695	744341.62	4108140.49	8.74E-10	1.59E-09	8.74E-11	2.55E-09	1.35E-10	2.61E-10	1.31E-11	4.10E-10	1.32E-10	2.25E-10	1.66E-11	3.73E-10	7.49E-11	1.24E-10	4.11E-12	2.03E-10
3696	744377.91	4108165.77	8.90E-10	1.62E-09	8.90E-11	2.60E-09	1.38E-10	2.66E-10	1.34E-11	4.17E-10	1.34E-10	2.29E-10	1.70E-11	3.80E-10	7.62E-11	1.26E-10	4.18E-12	2.07E-10
3697	744414.2	4108191.04	9.04E-10	1.65E-09	9.04E-11	2.64E-09	1.40E-10	2.70E-10	1.36E-11	4.24E-10	1.36E-10	2.32E-10	1.72E-11	3.86E-10	7.74E-11	1.28E-10	4.25E-12	2.10E-10
3698	744450.49	4108216.32	9.15E-10	1.67E-09	9.15E-11	2.67E-09	1.42E-10	2.73E-10	1.37E-11	4.29E-10	1.38E-10	2.35E-10	1.74E-11	3.90E-10	7.84E-11	1.30E-10	4.30E-12	2.12E-10
3699	744486.78	4108241.6	9.21E-10	1.68E-09	9.22E-11	2.69E-09	1.43E-10	2.75E-10	1.38E-11	4.32E-10	1.39E-10	2.37E-10	1.76E-11	3.93E-10	7.90E-11	1.31E-10	4.33E-12	2.14E-10
3700	740232.71	4107337.78	2.61E-10	4.75E-10	2.61E-11	7.62E-10	4.04E-11	7.79E-11	3.91E-12	1.22E-10	3.93E-11	6.70E-11	4.97E-12	1.11E-10	2.23E-11	3.70E-11	1.23E-12	6.05E-11
3701	740195.09	4107361.7	2.69E-10	4.89E-10	2.69E-11	7.85E-10	4.16E-11	8.02E-11	4.03E-12	1.26E-10	4.05E-11	6.90E-11	5.12E-12	1.15E-10	2.30E-11	3.81E-11	1.26E-12	6.23E-11
3702	740157.46	4107385.62	2.75E-10	5.02E-10	2.76E-11	8.05E-10	4.27E-11	8.23E-11	4.13E-12	1.29E-10	4.15E-11	7.08E-11	5.25E-12	1.18E-10	2.36E-11	3.91E-11	1.29E-12	6.40E-11
3703	741778.38	4110028.65	6.92E-08	1.26E-07	6.92E-09	2.02E-07	1.07E-08	2.07E-08	1.04E-09	3.24E-08	1.04E-08	1.78E-08	1.32E-09	2.95E-08	5.93E-09	9.81E-09	3.25E-10	1.61E-08
3704	741802.6	4110066.63	8.79E-08	1.60E-07	8.79E-09	2.57E-07	1.36E-08	2.63E-08	1.32E-09	4.12E-08	1.33E-08	2.26E-08	1.67E-09	3.75E-08	7.53E-09	1.25E-08	4.13E-10	2.04E-08
3705	741826.83	4110104.6	9.18E-08	1.67E-07	9.19E-09	2.68E-07	1.42E-08	2.74E-08	1.38E-09	4.30E-08	1.38E-08	2.36E-08	1.75E-09	3.92E-08	7.87E-09	1.30E-08	4.31E-10	2.13E-08
3706	741838.94	4110123.59	8.89E-08	1.62E-07	8.90E-09	2.60E-07	1.38E-08	2.66E-08	1.34E-09	4.17E-08	1.34E-08	2.29E-08	1.69E-09	3.80E-08	7.62E-09	1.26E-08	4.18E-10	2.07E-08
3707	741851.06	4110142.58	8.27E-08	1.51E-07	8.27E-09	2.42E-07	1.28E-08	2.47E-08	1.24E-09	3.88E-08	1.25E-08	2.12E-08	1.57E-09	3.53E-08	7.08E-09	1.17E-08	3.88E-10	1.92E-08
3708	741863.17	4110161.57	7.30E-08	1.33E-07	7.30E-09	2.13E-07	1.13E-08	2.18E-08	1.09E-09	3.42E-08	1.10E-08	1.88E-08	1.39E-09	3.11E-08	6.25E-09	1.03E-08	3.43E-10	1.69E-08
3709	741875.28	4110180.55	6.07E-08	1.11E-07	6.08E-09	1.77E-07	9.42E-09	1.81E-08	9.12E-10	2.85E-08	9.16E-09	1.56E-08	1.16E-09	2.59E-08	5.20E-09	8.61E-09	2.85E-10	1.41E-08
3710	741887.4	4110199.54	4.81E-08	8.76E-08	4.81E-09	1.41E-07	7.46E-09	1.44E-08	7.22E-10	2.25E-08	7.25E-09	1.24E-08	9.16E-10	2.05E-08	4.12E-09	6.82E-09	2.26E-10	1.12E-08
3711	741750.64	4110004.38	4.95E-08	9.02E-08	4.95E-09	1.45E-07	7.67E-09	1.48E-08	7.43E-10	2.32E-08	7.46E-09	1.27E-08	9.43E-10	2.11E-08	4.24E-09	7.02E-09	2.33E-10	1.15E-08
3712	741805.75	4110118.05	6.90E-08	1.26E-07	6.91E-09	2.02E-07	1.07E-08	2.06E-08	1.04E-09	3.24E-08	1.04E-08	1.77E-08	1.32E-09	2.95E-08	5.91E-09	9.79E-09	3.24E-10	1.60E-08
3713	741817.87	4110137.04	6.65E-08	1.21E-07	6.66E-09	1.94E-07	1.03E-08	1.99E-08	9.99E-10	3.12E-08	1.00E-08	1.71E-08	1.27E-09	2.84E-08	5.70E-09	9.43E-09	3.13E-10	1.54E-08
3714	741829.98	4110156.02	6.20E-08	1.13E-07	6.20E-09	1.81E-07	9.62E-09	1.85E-08	9.31E-10	2.91E-08	9.35E-09	1.59E-08	1.18E-09	2.65E-08	5.31E-09	8.79E-09	2.91E-10	1.44E-08
3715	741842.09	4110175.01	5.58E-08	1.02E-07	5.58E-09	1.63E-07	8.65E-09	1.67E-08	8.37E-10	2.61E-08	8.41E-09	1.43E-08	1.06E-09	2.38E-08	4.78E-09	7.91E-09	2.62E-10	1.29E-08
3716	741854.21	4110194	4.81E-08	8.77E-08	4.81E-09	1.41E-07	7.46E-09	1.44E-08	7.22E-10	2.26E-08	7.26E-09	1.24E-08	9.17E-10	2.05E-08	4.12E-09	6.82E-09	2.26E-10	1.12E-08
3717	741866.32	4110212.99	4.00E-08	7.28E-08	4.00E-09	1.17E-07	6.20E-09	1.19E-08	6.00E-10	1.87E-08	6.03E-09	1.03E-08	7.62E-10	1.71E-08	3.42E-09	5.67E-09	1.88E-10	9.28E-09
3718	741736.22	4110055.54	4.77E-08	8.69E-08	4.77E-09	1.39E-07	7.40E-09	1.43E-08	7.16E-10	2.24E-08	7.19E-09	1.23E-08	9.09E-10	2.04E-08	4.09E-09	6.76E-09	2.24E-10	1.11E-08
3719	741760.45	4110093.52	5.41E-08	9.85E-08	5.41E-09	1.58E-07	8.38E-09	1.61E-08	8.11E-10	2.53E-08	8.15E-09	1.39E-08	1.03E-09	2.31E-08	4.63E-09	7.66E-09	2.54E-10	1.25E-08
3720	741784.68	4110131.49	5.41E-08	9.85E-08	5.41E-09	1.58E-07	8.38E-09	1.62E-08	8.11E-10	2.53E-08	8.15E-09	1.39E-08	1.03E-09	2.31E-08	4.63E-09	7.67E-09	2.54E-10	1.26E-08
3721	741796.79	4110150.48	5.20E-08	9.48E-08	5.20E-09	1.52E-07	8.06E-09	1.55E-08	7.81E-10	2.44E-08	7.84E-09	1.34E-08	9.91E-10	2.22E-08	4.46E-09	7.37E-09	2.44E-10	1.21E-08
3722	741808.9	4110169.47	4.88E-08	8.90E-08	4.88E-09	1.43E-07	7.57E-09	1.46E-08	7.33E-10	2.29E-08	7.36E-09	1.25E-08	9.30E-10	2.08E-08	4.18E-09	6.92E-09	2.29E-10	1.13E-08
3723	741821.02	4110188.46	4.47E-08	8.14E-08	4.47E-09	1.30E-07	6.92E-09	1.33E-08	6.70E-10	2.09E-08	6.73E-09	1.15E-08	8.51E-10	1.91E-08	3.83E-09	6.33E-09	2.10E-10	1.04E-08
3724	741833.13	4110207.45	3.95E-08	7.20E-08	3.95E-09	1.15E-07	6.12E-09	1.18E-08	5.93E-10	1.85E-08	5.95E-09	1.02E-08	7.52E-10	1.69E-08	3.38E-09	5.60E-09	1.86E-10	9.17E-09
3725	741845.24	4110226.43	3.38E-08	6.16E-08	3.39E-09	9.89E-08	5.25E-09	1.01E-08	5.08E-10	1.59E-08	5.10E-09	8.70E-09	6.45E-10	1.44E-08	2.90E-09	4.80E-09	1.59E-10	7.86E-09
3726	741707.08	4109922.22	2.50E-08	4.55E-08	2.50E-09	7.30E-08	3.87E-09	7.46E-09	3.75E-10	1.17E-08	3.77E-09	6.42E-09	4.76E-10	1.07E-08	2.14E-09	3.54E-09	1.17E-10	5.80E-09
3727	741694.07	4110082.43	3.46E-08	6.31E-08	3.46E-09	1.01E-07	5.37E-09	1.03E-08	5.20E-10	1.62E-08	5.22E-09	8.90E-09	6.60E-10	1.48E-08	2.97E-09	4.91E-09	1.63E-10	8.04E-09
3728	741718.3	4110120.41	3.70E-08	6.73E-08	3.70E-09	1.08E-07	5.73E-09	1.10E-08	5.55E-10	1.73E-08	5.57E-09	9.50E-09	7.04E-10	1.58E-08	3.17E-09	5.24E-09	1.74E-10	8.58E-09
3729	741742.53	4110158.39	3.63E-08	6.61E-08	3.63E-09	1.06E-07	5.62E-09	1.08E-08	5.44E-10	1.70E-08	5.47E-09	9.32E-09	6.91E-10	1.55E-08	3.11E-09	5.14E-09	1.70E-10	8.42E-09
3730	741766.75	4110196.36	3.33E-08	6.07E-08	3.33E-09	9.73E-08	5.17E-09	9.95E-09	5.00E-10	1.56E-08	5.02E-09	8.56E-09	6.35E-10	1.42E-08	2.85E-09	4.72E-09	1.57E-10	7.73E-09
3731	741778.87	4110215.35	3.11E-08	5.67E-08	3.11E-09	9.09E-08	4.82E-09	9.30E-09	4.67E-10	1.46E-08	4.69E-09	8.00E-09	5.93E-10	1.33E-08	2.67E-09	4.41E-09	1.46E-10	7.22E-09
3732	741790.98	4110234.34	2.84E-08	5.17E-08	2.84E-09	8.29E-08	4.40E-09	8.48E-09	4.26E-10	1.33E-08	4.28E-09	7.29E-09	5.41E-10	1.21E-08	2.43E-09	4.02E-09	1.33E-10	6.59E-09
3733	741803.09	4110253.32	2.52E-08	4.60E-08	2.53E-09	7.37E-08	3.91E-09	7.54E-09	3.79E-10	1.18E-08	3.81E-09	6.49E-09	4.81E-10	1.08E-08	2.16E-09	3.58E-09	1.19E-10	5.86E-09
3734	741648.11	4110087.77	2.66E-08	4.84E-08	2.66E-09	7.76E-08	4.12E-09	7.93E-09	3.99E-10	1.25E-08	4.00E-09	6.83E-09	5.06E-10	1.13E-08	2.28E-09	3.77E-09	1.25E-10	6.17E-09
3735	741640.5	4110044.66	2.65E-08	4.83E-08	2.65E-09	7.74E-08	4.11E-09	7.92E-09	3.98E-10	1.24E-08	4.00E-09	6.81E-09	5.05E-10	1.13E-08	2.27E-09	3.76E-09	1.25E-10	6.15E-09
3736	741632.89	4110001.55	2.46E-08	4.48E-08	2.46E-09	7.19E-08	3.81E-09	7.35E-09	3.69E-10	1.15E-08	3.71E-09	6.32E-09	4.69E-10	1.05E-08	2.11E-09	3.49E-09	1.16E-10	5.71E-09
3737	741637.84	4109940.51	2.10E-08	3.82E-08	2.10E-09	6.13E-08	3.25E-09	6.26E-09	3.15E-10	9.83E-09	3.16E-09	5.39E-09	4.00E-10	8.95E-09	1.80E-09	2.97E-09	9.85E-11	4.87E-09
3738	741688.1	4109868.82	1.74E-08	3.18E-08	1.74E-09	5.10E-08	2.70E-09	5.21E-09	2.62E-10	8.17E-09	2.63E-09	4.48E-09	3.32E-10	7.44E-09	1.49E-09	2.47E-09	8.19E-11	4.05E-09
3739	741664.03	4110128.31	2.67E-08	4.86E-08	2.67E-09	7.80E-08	4.14E-09	7.97E-09	4.01E-10	1.25E-08	4.02E-09	6.86E-09	5.09E-10	1.14E-08	2.29E-09	3.78E-09	1.25E-10	6.20E-09
3740	741676.15	4110147.3	2.69E-08	4.91E-08	2.70E-09	7.87E-08	4.18E-09	8.05E-09	4.04E-10	1.26E-08	4.06E-09	6.92E-09	5.13E-10	1.15E-08	2.31E-09	3.82E-09	1.27E-10	6.25E-09

3741	741688.26	4110166.29	2.68E-08	4.88E-08	2.68E-09	7.83E-08	4.16E-09	8.01E-09	4.02E-10	1.26E-08	4.04E-09	6.89E-09	5.11E-10	1.14E-08	2.30E-09	3.80E-09	1.26E-10	6.22E-09
3742	741700.37	4110185.28	2.64E-08	4.81E-08	2.64E-09	7.71E-08	4.09E-09	7.88E-09	3.96E-10	1.24E-08	3.98E-09	6.78E-09	5.03E-10	1.13E-08	2.26E-09	3.74E-09	1.24E-10	6.12E-09
3743	741712.49	4110204.26	2.57E-08	4.68E-08	2.57E-09	7.51E-08	3.98E-09	7.68E-09	3.86E-10	1.20E-08	3.87E-09	6.61E-09	4.90E-10	1.10E-08	2.20E-09	3.64E-09	1.21E-10	5.97E-09
3744	741724.6	4110223.25	2.47E-08	4.50E-08	2.47E-09	7.22E-08	3.83E-09	7.38E-09	3.71E-10	1.16E-08	3.73E-09	6.35E-09	4.71E-10	1.05E-08	2.12E-09	3.50E-09	1.16E-10	5.74E-09
3745	741736.71	4110242.24	2.34E-08	4.26E-08	2.34E-09	6.83E-08	3.63E-09	6.98E-09	3.51E-10	1.10E-08	3.53E-09	6.01E-09	4.46E-10	9.98E-09	2.00E-09	3.32E-09	1.10E-10	5.43E-09
3746	741748.83	4110261.23	2.17E-08	3.95E-08	2.17E-09	6.34E-08	3.36E-09	6.48E-09	3.26E-10	1.02E-08	3.27E-09	5.58E-09	4.13E-10	9.26E-09	1.86E-09	3.08E-09	1.02E-10	5.04E-09
3747	741760.94	4110280.22	1.97E-08	3.60E-08	1.98E-09	5.77E-08	3.06E-09	5.90E-09	2.96E-10	9.26E-09	2.98E-09	5.08E-09	3.76E-10	8.43E-09	1.69E-09	2.80E-09	9.28E-11	4.58E-09
3748	741587.57	4110010.48	2.05E-08	3.73E-08	2.05E-09	5.98E-08	3.18E-09	6.12E-09	3.07E-10	9.60E-09	3.09E-09	5.26E-09	3.90E-10	8.74E-09	1.75E-09	2.90E-09	9.62E-11	4.75E-09
3749	741613.11	4109895.33	1.59E-08	2.89E-08	1.59E-09	4.63E-08	2.46E-09	4.74E-09	2.38E-10	7.43E-09	2.39E-09	4.08E-09	3.02E-10	6.77E-09	1.36E-09	2.25E-09	7.45E-11	3.68E-09
3750	741637.55	4109860.48	1.44E-08	2.63E-08	1.44E-09	4.22E-08	2.24E-09	4.31E-09	2.17E-10	6.76E-09	2.18E-09	3.71E-09	2.75E-10	6.16E-09	1.24E-09	2.05E-09	6.78E-11	3.35E-09
3751	741609.77	4110136.22	2.03E-08	3.69E-08	2.03E-09	5.93E-08	3.14E-09	6.06E-09	3.04E-10	9.51E-09	3.06E-09	5.21E-09	3.86E-10	8.66E-09	1.74E-09	2.87E-09	9.53E-11	4.71E-09
3752	741633.99	4110174.19	2.06E-08	3.75E-08	2.06E-09	6.02E-08	3.19E-09	6.15E-09	3.09E-10	9.65E-09	3.10E-09	5.29E-09	3.92E-10	8.79E-09	1.76E-09	2.92E-09	9.68E-11	4.78E-09
3753	741658.22	4110212.17	2.04E-08	3.71E-08	2.04E-09	5.95E-08	3.16E-09	6.09E-09	3.06E-10	9.55E-09	3.07E-09	5.24E-09	3.88E-10	8.70E-09	1.75E-09	2.89E-09	9.57E-11	4.73E-09
3754	741670.33	4110231.16	2.00E-08	3.64E-08	2.00E-09	5.84E-08	3.10E-09	5.97E-09	3.00E-10	9.37E-09	3.01E-09	5.14E-09	3.81E-10	8.53E-09	1.71E-09	2.83E-09	9.39E-11	4.64E-09
3755	741682.45	4110250.14	1.94E-08	3.53E-08	1.94E-09	5.66E-08	3.00E-09	5.79E-09	2.91E-10	9.08E-09	2.92E-09	4.98E-09	3.69E-10	8.27E-09	1.66E-09	2.75E-09	9.11E-11	4.50E-09
3756	741694.56	4110269.13	1.85E-08	3.37E-08	1.85E-09	5.40E-08	2.87E-09	5.52E-09	2.78E-10	8.67E-09	2.79E-09	4.75E-09	3.52E-10	7.89E-09	1.58E-09	2.62E-09	8.69E-11	4.29E-09
3757	741718.79	4110307.11	1.60E-08	2.92E-08	1.60E-09	4.68E-08	2.48E-09	4.78E-09	2.40E-10	7.50E-09	2.41E-09	4.11E-09	3.05E-10	6.83E-09	1.37E-09	2.27E-09	7.52E-11	3.72E-09
3758	741563.98	4110142.53	1.67E-08	3.04E-08	1.67E-09	4.87E-08	2.59E-09	4.98E-09	2.50E-10	7.82E-09	2.52E-09	4.29E-09	3.18E-10	7.12E-09	1.43E-09	2.37E-09	7.84E-11	3.87E-09
3759	741556.72	4110101.38	1.75E-08	3.19E-08	1.75E-09	5.12E-08	2.72E-09	5.24E-09	2.63E-10	8.22E-09	2.64E-09	4.51E-09	3.34E-10	7.48E-09	1.50E-09	2.49E-09	8.24E-11	4.07E-09
3760	741549.45	4110060.23	1.79E-08	3.25E-08	1.79E-09	5.22E-08	2.77E-09	5.34E-09	2.68E-10	8.37E-09	2.69E-09	4.59E-09	3.40E-10	7.63E-09	1.53E-09	2.53E-09	8.39E-11	4.15E-09
3761	741542.18	4110019.08	1.73E-08	3.15E-08	1.73E-09	5.06E-08	2.68E-09	5.17E-09	2.60E-10	8.11E-09	2.61E-09	4.45E-09	3.30E-10	7.39E-09	1.48E-09	2.45E-09	8.13E-11	4.02E-09
3762	741534.92	4109977.93	1.60E-08	2.91E-08	1.60E-09	4.67E-08	2.48E-09	4.77E-09	2.40E-10	7.49E-09	2.41E-09	4.10E-09	3.04E-10	6.82E-09	1.37E-09	2.26E-09	7.50E-11	3.71E-09
3763	741539.65	4109919.67	1.40E-08	2.56E-08	1.41E-09	4.11E-08	2.18E-09	4.20E-09	2.11E-10	6.59E-09	2.12E-09	3.61E-09	2.68E-10	6.00E-09	1.20E-09	1.99E-09	6.60E-11	3.26E-09
3764	741599.62	4109834.13	1.17E-08	2.14E-08	1.17E-09	3.42E-08	1.82E-09	3.50E-09	1.76E-10	5.49E-09	1.77E-09	3.01E-09	2.23E-10	5.00E-09	1.00E-09	1.66E-09	5.51E-11	2.72E-09
3765	741623.61	4109799.91	1.08E-08	1.96E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.05E-09	1.62E-09	2.77E-09	2.05E-10	4.60E-09	9.23E-10	1.53E-09	5.06E-11	2.50E-09
3766	741579.73	4110182.1	1.63E-08	2.97E-08	1.63E-09	4.76E-08	2.53E-09	4.87E-09	2.45E-10	7.64E-09	2.46E-09	4.19E-09	3.11E-10	6.96E-09	1.40E-09	2.31E-09	7.66E-11	3.78E-09
3767	741591.84	4110201.08	1.64E-08	2.99E-08	1.64E-09	4.79E-08	2.54E-09	4.90E-09	2.46E-10	7.68E-09	2.47E-09	4.21E-09	3.12E-10	7.00E-09	1.40E-09	2.32E-09	7.70E-11	3.80E-09
3768	741603.95	4110220.07	1.64E-08	2.99E-08	1.64E-09	4.80E-08	2.55E-09	4.91E-09	2.47E-10	7.70E-09	2.48E-09	4.22E-09	3.13E-10	7.01E-09	1.41E-09	2.33E-09	7.72E-11	3.81E-09
3769	741616.07	4110239.06	1.64E-08	2.98E-08	1.64E-09	4.78E-08	2.54E-09	4.89E-09	2.45E-10	7.67E-09	2.47E-09	4.20E-09	3.12E-10	6.98E-09	1.40E-09	2.32E-09	7.69E-11	3.80E-09
3770	741628.18	4110258.05	1.61E-08	2.94E-08	1.61E-09	4.72E-08	2.50E-09	4.82E-09	2.42E-10	7.57E-09	2.43E-09	4.15E-09	3.07E-10	6.89E-09	1.38E-09	2.29E-09	7.58E-11	3.75E-09
3771	741640.29	4110277.04	1.57E-08	2.87E-08	1.57E-09	4.60E-08	2.44E-09	4.70E-09	2.36E-10	7.38E-09	2.37E-09	4.05E-09	3.00E-10	6.72E-09	1.35E-09	2.23E-09	7.40E-11	3.65E-09
3772	741652.41	4110296.02	1.51E-08	2.76E-08	1.51E-09	4.42E-08	2.35E-09	4.52E-09	2.27E-10	7.09E-09	2.28E-09	3.89E-09	2.88E-10	6.46E-09	1.30E-09	2.15E-09	7.11E-11	3.51E-09
3773	741664.52	4110315.01	1.43E-08	2.61E-08	1.43E-09	4.18E-08	2.22E-09	4.28E-09	2.15E-10	6.71E-09	2.16E-09	3.68E-09	2.73E-10	6.11E-09	1.23E-09	2.03E-09	6.73E-11	3.32E-09
3774	741676.63	4110334	1.33E-08	2.43E-08	1.34E-09	3.90E-08	2.07E-09	3.99E-09	2.00E-10	6.26E-09	2.01E-09	3.43E-09	2.54E-10	5.70E-09	1.14E-09	1.89E-09	6.27E-11	3.10E-09
3775	741479.5	4110195.34	1.14E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.40E-09	1.71E-10	5.33E-09	1.71E-09	2.92E-09	2.17E-10	4.85E-09	9.74E-10	1.61E-09	5.34E-11	2.64E-09
3776	741471.89	4110152.23	1.21E-08	2.21E-08	1.21E-09	3.54E-08	1.88E-09	3.62E-09	1.82E-10	5.67E-09	1.83E-09	3.11E-09	2.31E-10	5.17E-09	1.04E-09	1.72E-09	5.69E-11	2.81E-09
3777	741464.28	4110109.11	1.28E-08	2.34E-08	1.28E-09	3.75E-08	1.99E-09	3.83E-09	1.92E-10	6.01E-09	1.93E-09	3.30E-09	2.44E-10	5.48E-09	1.10E-09	1.82E-09	6.03E-11	2.98E-09
3778	741456.67	4110066	1.31E-08	2.39E-08	1.31E-09	3.83E-08	2.03E-09	3.92E-09	1.97E-10	6.15E-09	1.98E-09	3.37E-09	2.50E-10	5.60E-09	1.12E-09	1.86E-09	6.16E-11	3.05E-09
3779	741449.06	4110022.89	1.28E-08	2.33E-08	1.28E-09	3.73E-08	1.98E-09	3.81E-09	1.92E-10	5.98E-09	1.92E-09	3.28E-09	2.43E-10	5.45E-09	1.09E-09	1.81E-09	6.00E-11	2.96E-09
3780	741441.44	4109979.78	1.19E-08	2.17E-08	1.19E-09	3.48E-08	1.85E-09	3.56E-09	1.79E-10	5.58E-09	1.80E-09	3.06E-09	2.27E-10	5.09E-09	1.02E-09	1.69E-09	5.60E-11	2.77E-09
3781	741433.83	4109936.67	1.09E-08	1.98E-08	1.09E-09	3.17E-08	1.68E-09	3.24E-09	1.63E-10	5.09E-09	1.64E-09	2.79E-09	2.07E-10	4.63E-09	9.30E-10	1.54E-09	5.10E-11	2.52E-09
3782	741442.59	4109897.19	1.02E-08	1.85E-08	1.02E-09	2.97E-08	1.58E-09	3.04E-09	1.53E-10	4.77E-09	1.53E-09	2.62E-09	1.94E-10	4.34E-09	8.72E-10	1.44E-09	4.78E-11	2.36E-09
3783	741505.42	4109807.58	8.77E-09	1.60E-08	8.77E-10	2.56E-08	1.36E-09	2.62E-09	1.32E-10	4.11E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.51E-10	1.24E-09	4.12E-11	2.04E-09
3784	741530.55	4109771.73	8.03E-09	1.46E-08	8.04E-10	2.35E-08	1.25E-09	2.40E-09	1.21E-10	3.77E-09	1.21E-09	2.07E-09	1.53E-10	3.43E-09	6.88E-10	1.14E-09	3.78E-11	1.87E-09
3785	741555.68	4109735.89	7.31E-09	1.33E-08	7.31E-10	2.14E-08	1.13E-09	2.18E-09	1.10E-10	3.43E-09	1.10E-09	1.88E-09	1.39E-10	3.12E-09	6.26E-10	1.04E-09	3.44E-11	1.70E-09
3786	741580.81	4109700.04	6.60E-09	1.20E-08	6.61E-10	1.93E-08	1.02E-09	1.97E-09	9.91E-11	3.10E-09	9.96E-10	1.70E-09	1.26E-10	2.82E-09	5.66E-10	9.36E-10	3.10E-11	1.53E-09
3787	741495.42	4110235.88	1.12E-08	2.04E-08	1.12E-09	3.26E-08	1.73E-09	3.34E-09	1.68E-10	5.24E-09	1.68E-09	2.87E-09	2.13E-10	4.77E-09	9.57E-10	1.58E-09	5.25E-11	2.59E-09
3788	741519.65	4110273.86	1.14E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.40E-09	1.71E-10	5.33E-09	1.71E-09	2.92E-09	2.17E-10	4.85E-09	9.74E-10	1.61E-09	5.34E-11	2.64E-09
3789	741531.76	4110292.84	1.14E-08	2.08E-08	1.14E-09	3.33E-08	1.77E-09	3.40E-09	1.71E-10	5.34E-09	1.72E-09	2.93E-09	2.17E-10	4.86E-09	9.76E-10	1.61E-09	5.35E-11	2.64E-09
3790	741543.88	4110311.83	1.13E-08	2.06E-08	1.13E-09	3.31E-08	1.76E-09	3.38E-09	1.70E-10	5.31E-09	1.71E-09	2.91E-09	2.16E-10	4.83E-09	9.70E-10	1.61E-09	5.32E-11	2.63E-09
3791	741555.99	4110330.82	1.11E-08	2.03E-08	1.12E-09	3.26E-08	1.73E-09	3.33E-09	1.67E-10	5.22E-09	1.68E-09	2.86E-09	2.12E-10	4.76E-09	9.55E-10	1.58E-09	5.24E-11	2.59E-09
3792	741568.1	4110349.81	1.08E-08	1.97E-08	1.08E-09	3.17E-08	1.68E-09	3.24E-09	1.63E-10	5.08E-09	1.63E-09	2.79E-09	2.07E-10	4.63E-09	9.29E-10	1.54E-09	5.09E-11	2.52E-09
3793	741580.22	4110368.79	1.04E-08	1.90E-08	1.04E-09	3.04E-08	1.61E-09	3.11E-09	1.56E-10	4.88E-09	1.57E-09	2.67E-09	1.98E-10	4.44E-09	8.91E-10	1.47E-09	4.89E-11	2.41E-09
3794	741592.33	4110387.78	9.85E-09	1.80E-08	9.86E-10	2.88E-08	1.53E-09	2.94E-09	1.48E-10	4.62E-09	1.49E-09	2.53E-09	1.88E-10	4.21E-09	8.44E-10	1.40E-09	4.63E-11	2.29E-09
3795	741395.3	4110249.72	8.35E-09	1.52E-08	8.35E-10	2.44E-08	1.29E-09	2.49E-09	1.25E-10	3.91E-09	1.26E-09	2.15E-09	1.59E-10	3.56E-09	7.15E-10	1.18E-09	3.92E-11	1.94E-09
3796	741387.9	4110207.8	8.74E-09	1.59E-08	8.75E-10	2.56E-08	1.36E-09	2.61E-09	1.31E-10	4.10E-09	1.32E-09	2.25E-09	1.67E-10	3.73E-09	7.49E-10	1.24E-09	4.11E-11	2.03E-09
3797	741380.5	4110165.89	9.31E-09	1.70E-08	9.32E-10	2.72E-08	1.44E-09	2.78E-09	1.40E-10	4.37E-09	1.40E-09	2.39E-09	1.77E-10	3.98E-09	7.98E-10	1.32E-09	4.38E-11	2.16E-09
3798	741373.1	4110123.98	9.89E-09	1.80E-08	9.89E-10	2.89E-08	1.53E-09	2.95E-09	1.48E-10	4.63E-09	1.49E-09	2.54E-09	1.88E-10	4.22E-09	8.47E-10	1.40E-09	4.65E-11	2.30E-09
3799	741365.7	4110082.06	1.02E-08	1.86E-08	1.02E-09	2.98E-08	1.58E-09	3.05E-09	1.53E-10	4.78E-09	1.54E-09	2.62E-09	1.94E-10	4.35E-09	8.74E-10	1.45E-09	4.79E-11	2.37E-09
3800	741358.3	4110040.15	1.01E-08	1.83E-08	1.01E-09	2.94E-08	1.56E-09	3.01E-09	1.51E-10	4.72E-09	1.52E-09	2.59E-09	1.92E-10	4.30E-09	8.63E-10	1.43E-09	4.73E-11	2.34E-09
3801	741350.9	4109998.24	9.56E-09	1.74E-08	9.56E-10	2.79E-08	1.48E-09	2.86E-09	1.43E-10	4.48E-09	1.44E-09	2.46E-09	1.82E-10	4.08E-09	8.19E-10	1.36E-09	4.49E-11	2.22E-09
3802	741343.5	4109956.32	8.88E-09	1.62E-08	8.88E-10	2.59E-08	1.38E-09	2.65E-09	1.33E-10	4.16E-09	1.34E-09	2.28E-09	1.69E-10	3.79E-09	7.60E-10	1.26E-09	4.17E-11	2.06E-09
3803	741336.1	4109914.41	8.17E-09	1.49E-08	8.17E-10	2.39E-08	1.27E-09	2.44E-09	1.23E-10	3.83E-09	1.23E-09	2.10E-09	1.56E-10	3.49E-09	7.00E-10	1.16E-09	3.84E-11	1.90E-09
3804	741344.62	4109876.03	7.77E-09	1.42E-08	7.78E-10	2.27E-08	1.21E-09	2.32E-09	1.17E-10	3.65E-09	1.17E-09	2.00E-09	1.48E-10	3.32E-09	6.66E-10	1.10E-09	3.65E-11	1.81E-09
3805	741405.7	4109788.9	7.01E-09	1.28E-08	7.02E-10	2.05E-08	1.09E-09	2.10E-09	1.05E-10	3.29E-09	1.06E-09	1.80E-09	1.34E-10	2.99E-09	6.01E-10	9.95E-10	3.30E-11	1.63E-09
3806	741430.13	4109754.05	6.52E-09	1.19E-08	6.52E-10	1.90E-08	1.01E-09	1.95E-09	9.78E-11	3.05E-09	9.83E-10	1.67E-09	1.24E-10	2.78E-09	5.58E-10	9.24E-10	3.06E-11	1.51E-09
3807	741454.56	4109719.2	5.95E-09	1.08E-08	5.95E-10	1.74E-08	9.23E-10	1.78E-09	8.93E-11	2.79E-09	8.97E-10	1.53E-09	1.13E-10	2.54E-09	5.10E-10	8.44E-10	2.80E-11	1.38E-09
3808	741479	4109684.35	5.39E-09	9.83E-09	5.40E-10	1.58E-08	8.36E-10	1.61E-09	8.10E-11	2.53E-09	8.13E-10	1.39E-09	1.03E-10	2.30E-09	4.62E-10	7.65E-10	2.53E-11	1.25E-09
3809	741503.43	4109649.5	4.93E-09	8.98E-09	4.93E-10	1.44E-08	7.64E-10	1.47E-09	7.39E-11	2.31E-09	7.43E-10	1.27E-09	9.39E-11	2.10E-09	4.22E-10	6.98E-10	2.31E-11	1.14E-09
3810	741527.86	4109614.65	4.51E-09	8.21E-09	4.51E-10	1.32E-08	6.99E-10	1.35E-09	6.77E-11	2.11E-09	6.80E-10	1.16E-09	8.59E-11	1.92E-09	3.86E-10	6.39E-10	2.12E-11	1.05E-09
3811	741411.12	4110289.66	8.30E-09	1.51E-08	8.31E-10	2.43E-08	1.29E-09	2.48E-09	1.25E-10	3.89E-09	1.25E-09	2.13E-09	1.58E-10	3.54E-09	7.11E-10	1.18E-09	3.90E-11	1.93E-09
3812	741423.23	4110308.65	8.40E-09	1.53E-08	8.40E-10	2.45E-08	1.30E-09	2.51E-09	1.26E-10	3.94E-09	1.27E-09	2.16E-09	1.60E-10	3.58E-09	7.19E-10	1.19E-09	3.95E-11	1.95E-09
3813	741435.34	4110327.64	8.48E-09	1.54E-08	8.48E-10	2.48E-08	1.31E-09	2.53E-09	1.27E-10	3.97E-09	1.28E-09	2.18E-09	1.62E-10	3.62E-09	7.26E-10	1.20E-09	3.98E-11	1.97E-09
3814	741447.46	4110346.63	8.52E-09	1.55E-08	8.53E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	3.99E-09	1.28E-09	2.19E-09	1.62E-10	3.64E-09	7.30E-10	1.21E-09	4.00E-11	1.98E-09
3815	741471.68	4110384.6	8.41E-09	1.53E-08	8.42E-10	2.46E-08	1.30E-09	2.51E-09	1.26E-10	3.94E-09	1.27E-09	2.16E-09	1.60E-10	3.59E-09	7.21E-10	1.19E-09	3.95E-11	1.95E-09
3816	741483.8	4110403.59	8.24E-09	1.50E-08	8.24E-10	2.41E-08	1.28E-09	2.46E-09	1.24E-10	3.86E-09	1.24E-09	2.12E-09	1.57E-10	3.52E-09	7.06E-10	1.17E-09	3.87E-11	1.91E-09
3817	741495.91	4110422.58	7.99E-09	1.46E-08	7.99E-10	2.33E-08	1.24E-09	2.39E-09	1.20E-10	3.74E-09	1.20E-09	2.05E-09	1.52E-10	3.41E-09	6.84E-10	1.13E-09	3.75E-11	1.85E-09
3818	741508.02	4110441.56	7.66E-09	1.40E-08	7.67E-10	2.24E-08	1.19E-09	2.29E-09	1.15E-10	3.59E-09	1.16E-09	1.97E-09	1.46E-10	3.27E-09	6.57E-10	1.09E-09	3.60E-11	1.78E-09
3819	741310.89	4110302.9	6.49E-09	1.18E-08	6.49E-10	1.90E-08	1.01E-09	1.94E-09	9.73E-11	3.04E-09	9.78E-10	1.67E-09	1.24E-10	2.77E-09	5.56E-10	9.20E-10	3.05E-11	1.51E-09
3820	741303.28	4110259.79	6.69E-09	1.22E-08	6.69E-10	1.96E-08	1.04E-09	2.00E-09	1.00E-10	3.14E-09	1.01E-09	1.72E-09	1.27E-10	2.86E-09	5.73E-10	9.49E-10	3.14E-11	1.55E-09
3821	741295.67	4110216.68	7.05E-09	1.28E-08	7.05E-10	2.06E-08	1.09E-09	2.11E-09	1.06E-10	3.30E-09	1.06E-09	1.81E-09	1.34E-10	3.01E-09	6.04E-10	9.99E-10	3.31E-11	1.64E-09
3822	741288.06	4110173.57	7.53E-09	1.37E-08	7.54E-10	2.20E-08	1.17E-09	2.25E-09	1.13E-10	3.53E-09	1.14E-09	1.94E-09	1.44E-10	3.22E-09	6.46E-10	1.07E-09	3.54E-11	1.75E-09
3823	741280.45	4110130.46	8.00E-09	1.46E-08	8.01E-10	2.34E-08	1.24E-09	2.39E-09	1.20E-10	3.75E-09	1.21E-09	2.06E-09	1.53E-10	3.42E-09	6.86E-10	1.13E-09	3.76E-11	1.86E-09
3824	741272.83	4110087.35	8.24E-09	1.50E-08	8.25E-10	2.41E-08	1.28E-09	2.46E-09	1.24E-10	3.87E-09	1.24E-09	2.12E-09	1.57E-10	3.52E-09	7.06E-10	1.17E-09	3.87E-11	1.91E-09
3825	741265.22	4110044.24	8.13E-09	1.48E-08	8.13E-10	2.37E-08	1.26E-09	2.43E-09	1.22E-10	3.81E-09	1.23E-09	2.09E-09	1.55E-10	3.47E-09	6.96E-10	1.15E-09	3.82E-11	1.89E-09
3826	741257.61	4110001.13	7.71E-09	1.41E-08	7.72E-10	2.25E-08	1.20E-09	2.30E-09	1.16E-10	3.62E-09	1.16E-09	1.98E-09	1.47E-10	3.29E-09	6.61E-10	1.09E-09	3.62E-11	1.79E-09
3827	741250	4109958.02	7.18E-09	1.31E-08	7.19E-10	2.10E-08	1.11E-09	2.15E-09	1.08E-10	3.37E-09	1.08E-09	1.85E-09	1.37E-10	3.07E-09	6.15E-10	1.02E-09	3.38E-11	1.67E-09
3828	741242.39	4109914.9	6.67E-09	1.22E-08	6.67E-10	1.95E-08	1.03E-09	1.99E-09	1.00E-10	3.13E-09	1.01E-09	1.71E-09	1.27E-10	2.85E-09	5.72E-10	9.46E-10	3.13E-11	1.55E-09
3829	741247.34	4109853.87	6.18E-09	1.13E-08	6.19E-10	1.81E-08	9.59E-10	1.85E-09	9.28E-11	2.90E-09	9.33E-10	1.59E-09	1.18E-10	2.64E-09	5.30E-10	8.77E-10	2.91E-11	1.44E-09
3830	741310.17	4109764.26	5.72E-09	1.04E-08	5.73E-10	1.67E-08	8.88E-10	1.71E-09	8.59E-11	2.68E-09	8.63E-10	1.47E-09	1.09E-10	2.44E-09	4.90E-10	8.12E-10	2.69E-11	1.33E-09
3831	741335.3	4109728.41	5.36E-09	9.77E-09	5.37E-10	1.57E-08	8.32E-10	1.60E-09	8.05E-11	2.51E-09	8.09E-10	1.38E-09	1.02E-10	2.29E-09	4.60E-10	7.60E-10	2.52E-11	1.25E-09
3832	741360.43	4109692.56	4.91E-09	8.95E-09	4.92E-10	1.44E-08	7.62E-10	1.47E-09	7.37E-11	2.30E-09	7.41E-10	1.26E-09	9.36E-11	2.10E-09	4.21E-10	6.97E-10	2.31E-11	1.14E-09
3833	741385.56	4109656.72	4.43E-09	8.08E-09	4.44E-10	1.30E-08	6.88E-10	1.32E-09	6.66E-11	2.08E-09	6.69E-10	1.14E-09	8.45E-11	1.89E-09	3.80E-10	6.29E-10	2.08E-11	1.03E-09
3834	741410.69	4109620.87	4.02E-09	7.33E-09	4.02E-10	1.18E-08	6.24E-10	1.20E-09	6.04E-11	1.89E-09	6.06E-10	1.03E-09	7.66E-11	1.72E-09	3.45E-10	5.70E-10	1.89E-11	9.34E-10
3835	741435.82	4109585.03	3.70E-09	6.75E-09	3.71E-10	1.08E-08	5.74E-10	1.11E-09	5.56E-11	1.74E-09	5.59E-10	9.52E-10	7.06E-11	1.58E-09	3.17E-10	5.25E-10	1.74E-11	8.60E-10
3836	741460.95	4109549.18	3.44E-09	6.27E-09	3.44E-10	1.01E-08	5.34E-10	1.03E-09	5.16E-11	1.61E-09	5.19E-10	8.85E-10	6.56E-11	1.47E-09	2.95E-10	4.88E-10	1.62E-11	7.99E-10

3837	741326.81	4110343.45	6.49E-09	1.18E-08	6.50E-10	1.90E-08	1.01E-09	1.94E-09	9.75E-11	3.04E-09	9.79E-10	1.67E-09	1.24E-10	2.77E-09	5.56E-10	9.21E-10	3.05E-11	1.51E-09
3838	741338.92	4110362.43	6.57E-09	1.20E-08	6.57E-10	1.92E-08	1.02E-09	1.96E-09	9.86E-11	3.08E-09	9.91E-10	1.69E-09	1.25E-10	2.80E-09	5.63E-10	9.31E-10	3.09E-11	1.53E-09
3839	741351.04	4110381.42	6.64E-09	1.21E-08	6.64E-10	1.94E-08	1.03E-09	1.98E-09	9.96E-11	3.11E-09	1.00E-09	1.71E-09	1.26E-10	2.83E-09	5.69E-10	9.41E-10	3.12E-11	1.54E-09
3840	741363.15	4110400.41	6.68E-09	1.22E-08	6.68E-10	1.95E-08	1.04E-09	2.00E-09	1.00E-10	3.13E-09	1.01E-09	1.72E-09	1.27E-10	2.85E-09	5.72E-10	9.47E-10	3.14E-11	1.55E-09
3841	741375.26	4110419.4	6.69E-09	1.22E-08	6.69E-10	1.95E-08	1.04E-09	2.00E-09	1.00E-10	3.14E-09	1.01E-09	1.72E-09	1.27E-10	2.86E-09	5.73E-10	9.48E-10	3.14E-11	1.55E-09
3842	741387.38	4110438.38	6.64E-09	1.21E-08	6.65E-10	1.94E-08	1.03E-09	1.98E-09	9.97E-11	3.11E-09	1.00E-09	1.71E-09	1.27E-10	2.84E-09	5.69E-10	9.42E-10	3.12E-11	1.54E-09
3843	741411.6	4110476.36	6.38E-09	1.16E-08	6.39E-10	1.87E-08	9.90E-10	1.91E-09	9.58E-11	2.99E-09	9.62E-10	1.64E-09	1.22E-10	2.72E-09	5.47E-10	9.05E-10	3.00E-11	1.48E-09
3844	741423.72	4110495.35	6.17E-09	1.12E-08	6.17E-10	1.80E-08	9.57E-10	1.84E-09	9.26E-11	2.89E-09	9.30E-10	1.59E-09	1.18E-10	2.63E-09	5.29E-10	8.75E-10	2.90E-11	1.43E-09
3845	741226.51	4110356.24	5.24E-09	9.55E-09	5.24E-10	1.53E-08	8.13E-10	1.57E-09	7.86E-11	2.46E-09	7.90E-10	1.35E-09	9.98E-11	2.24E-09	4.49E-10	7.43E-10	2.46E-11	1.22E-09
3846	741218.74	4110312.23	5.36E-09	9.76E-09	5.36E-10	1.57E-08	8.31E-10	1.60E-09	8.04E-11	2.51E-09	8.08E-10	1.38E-09	1.02E-10	2.29E-09	4.59E-10	7.59E-10	2.52E-11	1.24E-09
3847	741210.97	4110268.22	5.56E-09	1.01E-08	5.56E-10	1.62E-08	8.62E-10	1.66E-09	8.34E-11	2.61E-09	8.38E-10	1.43E-09	1.06E-10	2.37E-09	4.76E-10	7.88E-10	2.61E-11	1.29E-09
3848	741203.2	4110224.21	5.88E-09	1.07E-08	5.89E-10	1.72E-08	9.13E-10	1.76E-09	8.83E-11	2.76E-09	8.87E-10	1.51E-09	1.12E-10	2.51E-09	5.04E-10	8.34E-10	2.77E-11	1.37E-09
3849	741195.43	4110180.2	6.30E-09	1.15E-08	6.31E-10	1.84E-08	9.78E-10	1.88E-09	9.46E-11	2.96E-09	9.51E-10	1.62E-09	1.20E-10	2.69E-09	5.40E-10	8.94E-10	2.96E-11	1.46E-09
3850	741187.66	4110136.19	6.69E-09	1.22E-08	6.69E-10	1.95E-08	1.04E-09	2.00E-09	1.00E-10	3.14E-09	1.01E-09	1.72E-09	1.27E-10	2.85E-09	5.73E-10	9.48E-10	3.14E-11	1.55E-09
3851	741179.89	4110092.18	6.87E-09	1.25E-08	6.87E-10	2.01E-08	1.06E-09	2.05E-09	1.03E-10	3.22E-09	1.04E-09	1.76E-09	1.31E-10	2.93E-09	5.88E-10	9.73E-10	3.23E-11	1.59E-09
3852	741172.12	4110048.17	6.75E-09	1.23E-08	6.75E-10	1.97E-08	1.05E-09	2.02E-09	1.01E-10	3.17E-09	1.02E-09	1.74E-09	1.29E-10	2.88E-09	5.78E-10	9.57E-10	3.17E-11	1.57E-09
3853	741164.35	4110004.16	6.40E-09	1.17E-08	6.41E-10	1.87E-08	9.93E-10	1.91E-09	9.61E-11	3.00E-09	9.66E-10	1.65E-09	1.22E-10	2.73E-09	5.49E-10	9.08E-10	3.01E-11	1.49E-09
3854	741156.57	4109960.16	5.97E-09	1.09E-08	5.97E-10	1.74E-08	9.25E-10	1.78E-09	8.95E-11	2.80E-09	9.00E-10	1.53E-09	1.14E-10	2.55E-09	5.11E-10	8.46E-10	2.80E-11	1.38E-09
3855	741148.8	4109916.15	5.56E-09	1.01E-08	5.56E-10	1.62E-08	8.62E-10	1.66E-09	8.34E-11	2.61E-09	8.38E-10	1.43E-09	1.06E-10	2.37E-09	4.76E-10	7.88E-10	2.61E-11	1.29E-09
3856	741141.03	4109872.14	5.22E-09	9.51E-09	5.22E-10	1.52E-08	8.09E-10	1.56E-09	7.83E-11	2.45E-09	7.87E-10	1.34E-09	9.94E-11	2.23E-09	4.47E-10	7.40E-10	2.45E-11	1.21E-09
3857	741149.98	4109831.84	5.07E-09	9.23E-09	5.07E-10	1.48E-08	7.86E-10	1.51E-09	7.61E-11	2.38E-09	7.64E-10	1.30E-09	9.66E-11	2.16E-09	4.34E-10	7.19E-10	2.38E-11	1.18E-09
3858	741175.63	4109795.24	5.02E-09	9.15E-09	5.03E-10	1.47E-08	7.79E-10	1.50E-09	7.54E-11	2.35E-09	7.57E-10	1.29E-09	9.57E-11	2.14E-09	4.30E-10	7.12E-10	2.36E-11	1.17E-09
3859	741201.28	4109758.65	4.89E-09	8.91E-09	4.89E-10	1.43E-08	7.58E-10	1.46E-09	7.34E-11	2.29E-09	7.37E-10	1.26E-09	9.32E-11	2.09E-09	4.19E-10	6.93E-10	2.30E-11	1.14E-09
3860	741214.11	4109740.35	4.79E-09	8.73E-09	4.79E-10	1.40E-08	7.43E-10	1.43E-09	7.19E-11	2.25E-09	7.23E-10	1.23E-09	9.13E-11	2.05E-09	4.11E-10	6.79E-10	2.25E-11	1.11E-09
3861	741239.77	4109703.76	4.53E-09	8.25E-09	4.53E-10	1.32E-08	7.02E-10	1.35E-09	6.80E-11	2.12E-09	6.83E-10	1.16E-09	8.63E-11	1.93E-09	3.88E-10	6.42E-10	2.13E-11	1.05E-09
3862	741265.42	4109667.17	4.18E-09	7.62E-09	4.18E-10	1.22E-08	6.48E-10	1.25E-09	6.27E-11	1.96E-09	6.30E-10	1.07E-09	7.97E-11	1.78E-09	3.58E-10	5.93E-10	1.96E-11	9.71E-10
3863	741278.25	4109648.87	3.98E-09	7.26E-09	3.99E-10	1.16E-08	6.18E-10	1.19E-09	5.98E-11	1.87E-09	6.01E-10	1.02E-09	7.59E-11	1.70E-09	3.41E-10	5.65E-10	1.87E-11	9.25E-10
3864	741303.9	4109612.28	3.59E-09	6.54E-09	3.59E-10	1.05E-08	5.57E-10	1.07E-09	5.39E-11	1.68E-09	5.42E-10	9.23E-10	6.84E-11	1.53E-09	3.08E-10	5.09E-10	1.69E-11	8.34E-10
3865	741329.55	4109575.69	3.26E-09	5.93E-09	3.26E-10	9.51E-09	5.05E-10	9.73E-10	4.89E-11	1.53E-09	4.91E-10	8.37E-10	6.20E-11	1.39E-09	2.79E-10	4.62E-10	1.53E-11	7.56E-10
3866	741355.21	4109539.09	3.00E-09	5.47E-09	3.01E-10	8.78E-09	4.66E-10	8.97E-10	4.51E-11	1.41E-09	4.53E-10	7.72E-10	5.72E-11	1.28E-09	2.57E-10	4.26E-10	1.41E-11	6.97E-10
3867	741380.86	4109502.5	2.82E-09	5.13E-09	2.82E-10	8.23E-09	4.37E-10	8.41E-10	4.22E-11	1.32E-09	4.24E-10	7.24E-10	5.36E-11	1.20E-09	2.41E-10	3.99E-10	1.32E-11	6.54E-10
3868	741406.52	4109465.91	2.66E-09	4.85E-09	2.66E-10	7.77E-09	4.13E-10	7.95E-10	3.99E-11	1.25E-09	4.01E-10	6.84E-10	5.07E-11	1.14E-09	2.28E-10	3.77E-10	1.25E-11	6.18E-10
3869	741419.34	4109447.61	2.59E-09	4.72E-09	2.59E-10	7.57E-09	4.02E-10	7.74E-10	3.89E-11	1.21E-09	3.91E-10	6.66E-10	4.94E-11	1.11E-09	2.22E-10	3.67E-10	1.22E-11	6.02E-10
3870	741242.51	4110397.23	5.26E-09	9.58E-09	5.26E-10	1.54E-08	8.16E-10	1.57E-09	7.89E-11	2.47E-09	7.93E-10	1.35E-09	1.00E-10	2.25E-09	4.51E-10	7.46E-10	2.47E-11	1.22E-09
3871	741254.62	4110416.22	5.32E-09	9.70E-09	5.33E-10	1.56E-08	8.26E-10	1.59E-09	7.99E-11	2.50E-09	8.03E-10	1.37E-09	1.01E-10	2.27E-09	4.56E-10	7.55E-10	2.50E-11	1.24E-09
3872	741266.73	4110435.2	5.38E-09	9.80E-09	5.38E-10	1.57E-08	8.34E-10	1.61E-09	8.07E-11	2.52E-09	8.11E-10	1.38E-09	1.03E-10	2.30E-09	4.61E-10	7.63E-10	2.53E-11	1.25E-09
3873	741278.85	4110454.19	5.42E-09	9.87E-09	5.42E-10	1.58E-08	8.40E-10	1.62E-09	8.13E-11	2.54E-09	8.17E-10	1.39E-09	1.03E-10	2.31E-09	4.64E-10	7.68E-10	2.55E-11	1.26E-09
3874	741290.96	4110473.18	5.43E-09	9.90E-09	5.44E-10	1.59E-08	8.43E-10	1.62E-09	8.15E-11	2.55E-09	8.19E-10	1.40E-09	1.04E-10	2.32E-09	4.66E-10	7.70E-10	2.55E-11	1.26E-09
3875	741303.07	4110492.17	5.41E-09	9.87E-09	5.42E-10	1.58E-08	8.40E-10	1.62E-09	8.13E-11	2.54E-09	8.16E-10	1.39E-09	1.03E-10	2.31E-09	4.64E-10	7.68E-10	2.54E-11	1.26E-09
3876	741315.19	4110511.16	5.36E-09	9.76E-09	5.36E-10	1.56E-08	8.30E-10	1.60E-09	8.04E-11	2.51E-09	8.08E-10	1.38E-09	1.02E-10	2.29E-09	4.59E-10	7.59E-10	2.52E-11	1.24E-09
3877	741327.3	4110530.14	5.25E-09	9.57E-09	5.26E-10	1.54E-08	8.15E-10	1.57E-09	7.89E-11	2.46E-09	7.92E-10	1.35E-09	1.00E-10	2.24E-09	4.50E-10	7.45E-10	2.47E-11	1.22E-09
3878	741339.41	4110549.13	5.11E-09	9.32E-09	5.12E-10	1.49E-08	7.93E-10	1.53E-09	7.67E-11	2.40E-09	7.71E-10	1.31E-09	9.74E-11	2.18E-09	4.38E-10	7.25E-10	2.40E-11	1.19E-09
3879	741057.91	4110463.9	3.70E-09	6.74E-09	3.70E-10	1.08E-08	5.74E-10	1.11E-09	5.55E-11	1.73E-09	5.58E-10	9.51E-10	7.05E-11	1.58E-09	3.17E-10	5.25E-10	1.74E-11	8.59E-10
3880	741050.18	4110420.1	3.74E-09	6.82E-09	3.75E-10	1.09E-08	5.81E-10	1.12E-09	5.62E-11	1.76E-09	5.65E-10	9.63E-10	7.14E-11	1.60E-09	3.21E-10	5.31E-10	1.76E-11	8.69E-10
3881	741042.45	4110376.29	3.81E-09	6.95E-09	3.81E-10	1.11E-08	5.91E-10	1.14E-09	5.72E-11	1.79E-09	5.75E-10	9.80E-10	7.26E-11	1.63E-09	3.27E-10	5.40E-10	1.79E-11	8.85E-10
3882	741034.71	4110332.49	3.92E-09	7.14E-09	3.92E-10	1.14E-08	6.07E-10	1.17E-09	5.88E-11	1.84E-09	5.91E-10	1.01E-09	7.46E-11	1.67E-09	3.36E-10	5.55E-10	1.84E-11	9.09E-10
3883	741026.98	4110288.68	4.09E-09	7.45E-09	4.09E-10	1.19E-08	6.34E-10	1.22E-09	6.13E-11	1.92E-09	6.16E-10	1.05E-09	7.79E-11	1.74E-09	3.50E-10	5.79E-10	1.92E-11	9.49E-10
3884	741019.24	4110244.87	4.34E-09	7.91E-09	4.34E-10	1.27E-08	6.73E-10	1.30E-09	6.51E-11	2.03E-09	6.54E-10	1.12E-09	8.27E-11	1.85E-09	3.72E-10	6.15E-10	2.04E-11	1.01E-09
3885	741011.51	4110201.07	4.64E-09	8.46E-09	4.64E-10	1.36E-08	7.20E-10	1.39E-09	6.97E-11	2.18E-09	7.00E-10	1.19E-09	8.84E-11	1.98E-09	3.98E-10	6.58E-10	2.18E-11	1.08E-09
3886	741003.77	4110157.26	4.91E-09	8.94E-09	4.91E-10	1.43E-08	7.61E-10	1.47E-09	7.36E-11	2.30E-09	7.40E-10	1.26E-09	9.35E-11	2.09E-09	4.20E-10	6.96E-10	2.31E-11	1.14E-09
3887	740996.04	4110113.45	5.04E-09	9.18E-09	5.04E-10	1.47E-08	7.81E-10	1.50E-09	7.56E-11	2.36E-09	7.59E-10	1.29E-09	9.60E-11	2.15E-09	4.32E-10	7.14E-10	2.37E-11	1.17E-09
3888	740988.3	4110069.65	4.98E-09	9.08E-09	4.99E-10	1.46E-08	7.73E-10	1.49E-09	7.48E-11	2.34E-09	7.51E-10	1.28E-09	9.50E-11	2.13E-09	4.27E-10	7.07E-10	2.34E-11	1.16E-09
3889	740980.57	4110025.84	4.77E-09	8.69E-09	4.77E-10	1.39E-08	7.40E-10	1.43E-09	7.16E-11	2.24E-09	7.19E-10	1.23E-09	9.09E-11	2.04E-09	4.09E-10	6.76E-10	2.24E-11	1.11E-09
3890	740972.84	4109982.04	4.48E-09	8.16E-09	4.48E-10	1.31E-08	6.94E-10	1.34E-09	6.72E-11	2.10E-09	6.75E-10	1.15E-09	8.53E-11	1.91E-09	3.84E-10	6.35E-10	2.10E-11	1.04E-09
3891	740965.1	4109938.23	4.19E-09	7.63E-09	4.19E-10	1.22E-08	6.49E-10	1.25E-09	6.28E-11	1.96E-09	6.31E-10	1.08E-09	7.98E-11	1.79E-09	3.59E-10	5.93E-10	1.97E-11	9.72E-10
3892	740957.37	4109894.42	3.94E-09	7.19E-09	3.95E-10	1.15E-08	6.12E-10	1.18E-09	5.92E-11	1.85E-09	5.95E-10	1.01E-09	7.52E-11	1.68E-09	3.38E-10	5.59E-10	1.85E-11	9.16E-10
3893	740949.63	4109850.62	3.76E-09	6.86E-09	3.76E-10	1.10E-08	5.83E-10	1.12E-09	5.65E-11	1.76E-09	5.67E-10	9.67E-10	7.17E-11	1.61E-09	3.22E-10	5.33E-10	1.77E-11	8.73E-10
3894	740954.67	4109788.6	3.64E-09	6.63E-09	3.64E-10	1.06E-08	5.64E-10	1.09E-09	5.46E-11	1.70E-09	5.48E-10	9.35E-10	6.93E-11	1.55E-09	3.12E-10	5.16E-10	1.71E-11	8.44E-10
3895	740980.2	4109752.17	3.65E-09	6.65E-09	3.65E-10	1.07E-08	5.66E-10	1.09E-09	5.48E-11	1.71E-09	5.50E-10	9.38E-10	6.95E-11	1.56E-09	3.13E-10	5.17E-10	1.71E-11	8.47E-10
3896	741005.74	4109715.75	3.60E-09	6.57E-09	3.61E-10	1.05E-08	5.59E-10	1.08E-09	5.41E-11	1.69E-09	5.43E-10	9.26E-10	6.87E-11	1.54E-09	3.09E-10	5.11E-10	1.69E-11	8.37E-10
3897	741031.27	4109679.33	3.49E-09	6.37E-09	3.50E-10	1.02E-08	5.42E-10	1.04E-09	5.24E-11	1.64E-09	5.27E-10	8.98E-10	6.66E-11	1.49E-09	2.99E-10	4.95E-10	1.64E-11	8.11E-10
3898	741056.81	4109642.9	3.32E-09	6.06E-09	3.33E-10	9.71E-09	5.15E-10	9.93E-10	4.99E-11	1.56E-09	5.01E-10	8.54E-10	6.33E-11	1.42E-09	2.85E-10	4.71E-10	1.56E-11	7.72E-10
3899	741082.34	4109606.48	3.10E-09	5.65E-09	3.11E-10	9.07E-09	4.81E-10	9.27E-10	4.66E-11	1.45E-09	4.68E-10	7.98E-10	5.91E-11	1.32E-09	2.66E-10	4.40E-10	1.46E-11	7.21E-10
3900	741107.88	4109570.05	2.85E-09	5.19E-09	2.85E-10	8.33E-09	4.42E-10	8.51E-10	4.28E-11	1.34E-09	4.30E-10	7.32E-10	5.43E-11	1.22E-09	2.44E-10	4.04E-10	1.34E-11	6.62E-10
3901	741133.42	4109533.63	2.59E-09	4.71E-09	2.59E-10	7.56E-09	4.01E-10	7.73E-10	3.88E-11	1.21E-09	3.90E-10	6.65E-10	4.93E-11	1.10E-09	2.22E-10	3.67E-10	1.22E-11	6.01E-10
3902	741158.95	4109497.21	2.35E-09	4.28E-09	2.35E-10	6.87E-09	3.65E-10	7.02E-10	3.53E-11	1.10E-09	3.55E-10	6.04E-10	4.48E-11	1.00E-09	2.01E-10	3.33E-10	1.10E-11	5.46E-10
3903	741184.49	4109460.78	2.16E-09	3.94E-09	2.17E-10	6.33E-09	3.36E-10	6.47E-10	3.25E-11	1.01E-09	3.26E-10	5.57E-10	4.13E-11	9.24E-10	1.86E-10	3.07E-10	1.02E-11	5.03E-10
3904	741210.02	4109424.36	2.03E-09	3.70E-09	2.03E-10	5.93E-09	3.15E-10	6.06E-10	3.05E-11	9.52E-10	3.06E-10	5.22E-10	3.87E-11	8.67E-10	1.74E-10	2.88E-10	9.54E-12	4.71E-10
3905	741235.56	4109387.93	1.93E-09	3.53E-09	1.94E-10	5.65E-09	3.00E-10	5.78E-10	2.90E-11	9.07E-10	2.92E-10	4.97E-10	3.69E-11	8.26E-10	1.66E-10	2.74E-10	9.09E-12	4.49E-10
3906	741261.1	4109351.51	1.87E-09	3.40E-09	1.87E-10	5.45E-09	2.89E-10	5.58E-10	2.80E-11	8.75E-10	2.81E-10	4.80E-10	3.56E-11	7.97E-10	1.60E-10	2.65E-10	8.77E-12	4.33E-10
3907	741286.63	4109315.08	1.81E-09	3.31E-09	1.82E-10	5.30E-09	2.81E-10	5.42E-10	2.72E-11	8.50E-10	2.74E-10	4.66E-10	3.46E-11	7.74E-10	1.55E-10	2.57E-10	8.53E-12	4.21E-10
3908	741312.17	4109278.66	1.77E-09	3.22E-09	1.77E-10	5.17E-09	2.74E-10	5.28E-10	2.65E-11	8.29E-10	2.67E-10	4.55E-10	3.37E-11	7.55E-10	1.52E-10	2.51E-10	8.31E-12	4.11E-10
3909	741073.9	4110504.79	3.72E-09	6.78E-09	3.73E-10	1.09E-08	5.77E-10	1.11E-09	5.59E-11	1.75E-09	5.61E-10	9.57E-10	7.09E-11	1.59E-09	3.19E-10	5.28E-10	1.75E-11	8.64E-10
3910	741086.01	4110523.78	3.76E-09	6.86E-09	3.76E-10	1.10E-08	5.83E-10	1.12E-09	5.65E-11	1.76E-09	5.67E-10	9.67E-10	7.17E-11	1.61E-09	3.22E-10	5.33E-10	1.77E-11	8.73E-10
3911	741098.12	4110542.77	3.80E-09	6.92E-09	3.80E-10	1.11E-08	5.89E-10	1.13E-09	5.70E-11	1.78E-09	5.73E-10	9.76E-10	7.24E-11	1.62E-09	3.25E-10	5.38E-10	1.78E-11	8.82E-10
3912	741110.24	4110561.76	3.83E-09	6.97E-09	3.83E-10	1.12E-08	5.93E-10	1.14E-09	5.74E-11	1.79E-09	5.77E-10	9.83E-10	7.29E-11	1.63E-09	3.28E-10	5.42E-10	1.80E-11	8.88E-10
3913	741122.35	4110580.75	3.84E-09	7.00E-09	3.84E-10	1.12E-08	5.96E-10	1.15E-09	5.76E-11	1.80E-09	5.79E-10	9.87E-10	7.32E-11	1.64E-09	3.29E-10	5.45E-10	1.81E-11	8.92E-10
3914	741134.46	4110599.73	3.84E-09	7.00E-09	3.84E-10	1.12E-08	5.96E-10	1.15E-09	5.77E-11	1.80E-09	5.79E-10	9.87E-10	7.32E-11	1.64E-09	3.29E-10	5.45E-10	1.81E-11	8.92E-10
3915	741146.58	4110618.72	3.82E-09	6.96E-09	3.82E-10	1.12E-08	5.93E-10	1.14E-09	5.74E-11	1.79E-09	5.76E-10	9.83E-10	7.28E-11	1.63E-09	3.28E-10	5.42E-10	1.80E-11	8.87E-10
3916	741158.69	4110637.71	3.78E-09	6.89E-09	3.79E-10	1.11E-08	5.87E-10	1.13E-09	5.68E-11	1.77E-09	5.70E-10	9.72E-10	7.21E-11	1.61E-09	3.24E-10	5.36E-10	1.78E-11	8.78E-10
3917	741170.8	4110656.7	3.72E-09	6.78E-09	3.72E-10	1.09E-08	5.77E-10	1.11E-09	5.58E-11	1.74E-09	5.61E-10	9.56E-10	7.09E-11	1.59E-09	3.19E-10	5.27E-10	1.75E-11	8.64E-10
3918	740889.32	4110571.53	2.80E-09	5.10E-09	2.80E-10	8.17E-09	4.34E-10	8.36E-10	4.20E-11	1.31E-09	4.22E-10	7.19E-10	5.33E-11	1.19E-09	2.40E-10	3.97E-10	1.31E-11	6.49E-10
3919	740881.6	4110527.86	2.82E-09	5.13E-09	2.82E-10	8.23E-09	4.37E-10	8.41E-10	4.23E-11	1.32E-09	4.25E-10	7.24E-10	5.37E-11	1.20E-09	2.41E-10	3.99E-10	1.32E-11	6.54E-10
3920	740873.89	4110484.18	2.85E-09	5.19E-09	2.85E-10	8.32E-09	4.42E-10	8.51E-10	4.27E-11	1.34E-09	4.29E-10	7.32E-10	5.43E-11	1.22E-09	2.44E-10	4.04E-10	1.34E-11	6.61E-10
3921	740866.18	4110440.5	2.89E-09	5.27E-09	2.89E-10	8.45E-09	4.48E-10	8.64E-10	4.34E-11	1.36E-09	4.36E-10	7.43E-10	5.51E-11	1.23E-09	2.48E-10	4.10E-10	1.36E-11	6.71E-10
3922	740858.47	4110396.82	2.95E-09	5.38E-09	2.96E-10	8.63E-09	4.58E-10	8.82E-10	4.43E-11	1.38E-09	4.45E-10	7.59E-10	5.63E-11	1.26E-09	2.53E-10	4.19E-10	1.39E-11	6.86E-10
3923	740850.76	4110353.14	3.05E-09	5.55E-09	3.05E-10	8.91E-09	4.73E-10	9.10E-10	4.57E-11	1.43E-09	4.60E-10	7.83E-10	5.81E-11	1.30E-09	2.61E-10	4.32E-10	1.43E-11	7.08E-10
3924	740843.04	4110309.47	3.19E-09	5.82E-09	3.20E-10	9.33E-09	4.95E-10	9.54E-10	4.79E-11	1.50E-09	4.82E-10	8.21E-10	6.09E-11	1.36E-09	2.74E-10	4.53E-10	1.50E-11	7.42E-10
3925	740835.33	4110265.79	3.40E-09	6.19E-09	3.40E-10	9.93E-09	5.27E-10	1.01E-09	5.10E-11	1.59E-09	5.12E-10	8.73E-10	6.47E-11	1.45E-09	2.91E-10	4.82E-10	1.60E-11	7.89E-10
3926	740827.62	4110222.11	3.62E-09	6.60E-09	3.62E-10	1.06E-08	5.62E-10	1.08E-09	5.44E-11	1.70E-09	5.46E-10	9.31E-10	6.90E-11	1.55E-09	3.10E-10	5.14E-10	1.70E-11	8.41E-10
3927	740819.91	4110178.43	3.81E-09	6.94E-09	3.81E-10	1.11E-08	5.91E-10	1.14E-09	5.72E-11	1.79E-09	5.75E-10	9.80E-10	7.26E-11	1.63E-09	3.27E-10	5.40E-10	1.79E-11	8.85E-10
3928	740812.2	4110134.75	3.90E-09	7.11E-09	3.91E-10	1.14E-08	6.05E-10	1.17E-09	5.86E-11	1.83E-09	5.89E-10	1.00E-09	7.44E-11	1.67E-09	3.35E-10	5.54E-10	1.83E-11	9.06E-10
3929	740804.48	4110091.07	3.88E-09	7.07E-09	3.88E-10	1.13E-08	6.01E-10	1.16E-09	5.82E-11	1.82E-09	5.85E-10	9.97E-10	7.39E-11	1.66E-09	3.32E-10	5.50E-10	1.82E-11	9.00E-10
3930	740796.77	4110047.4	3.74E-09	6.82E-09	3.75E-10	1.09E-08	5.81E-10	1.12E-09	5.62E-11	1.76E-09	5.65E-10	9.62E-10	7.13E-11	1.60E-09	3.21E-10	5.31E-10	1.76E-11	8.69E-10
3931	740789.06	4110003.72	3.54E-09	6.46E-09	3.55E-10	1.04E-08	5.50E-10	1.06E-09	5.32E-11	1.66E-09	5.35E-10	9.11E-10	6.75E-11	1.51E-09	3.04E-10	5.03E-10	1.67E-11	8.23E-10
3932	740781.35	4109960.04	3.33E-09	6.06E-09	3.33E-10	9.72E-09	5.16E-10	9.94E-10	4.99E-11	1.56E-09	5.02E-10	8.55E-10	6.34E-11	1.42E-09	2.85E-10	4.72E-10	1.56E-11	7.72E-10

3933	740773.64	4109916.36	3.13E-09	5.70E-09	3.13E-10	9.14E-09	4.85E-10	9.35E-10	4.70E-11	1.47E-09	4.72E-10	8.04E-10	5.96E-11	1.34E-09	2.68E-10	4.44E-10	1.47E-11	7.27E-10
3934	740765.93	4109872.68	2.97E-09	5.42E-09	2.98E-10	8.69E-09	4.61E-10	8.89E-10	4.46E-11	1.39E-09	4.49E-10	7.65E-10	5.67E-11	1.27E-09	2.55E-10	4.22E-10	1.40E-11	6.91E-10
3935	740758.21	4109829.01	2.86E-09	5.22E-09	2.86E-10	8.36E-09	4.44E-10	8.55E-10	4.30E-11	1.34E-09	4.32E-10	7.36E-10	5.45E-11	1.22E-09	2.45E-10	4.06E-10	1.35E-11	6.65E-10
3936	740750.5	4109785.33	2.78E-09	5.07E-09	2.79E-10	8.13E-09	4.32E-10	8.32E-10	4.18E-11	1.31E-09	4.20E-10	7.16E-10	5.30E-11	1.19E-09	2.39E-10	3.95E-10	1.31E-11	6.46E-10
3937	740759.38	4109745.33	2.77E-09	5.05E-09	2.78E-10	8.11E-09	4.30E-10	8.29E-10	4.16E-11	1.30E-09	4.18E-10	7.13E-10	5.29E-11	1.18E-09	2.38E-10	3.93E-10	1.30E-11	6.44E-10
3938	740784.84	4109709.01	2.81E-09	5.11E-09	2.81E-10	8.20E-09	4.35E-10	8.38E-10	4.21E-11	1.32E-09	4.23E-10	7.21E-10	5.35E-11	1.20E-09	2.40E-10	3.98E-10	1.32E-11	6.51E-10
3939	740810.3	4109672.69	2.80E-09	5.09E-09	2.80E-10	8.17E-09	4.34E-10	8.35E-10	4.20E-11	1.31E-09	4.22E-10	7.19E-10	5.33E-11	1.19E-09	2.40E-10	3.96E-10	1.31E-11	6.49E-10
3940	740835.76	4109636.38	2.74E-09	4.99E-09	2.74E-10	8.00E-09	4.25E-10	8.18E-10	4.11E-11	1.28E-09	4.13E-10	7.04E-10	5.22E-11	1.17E-09	2.35E-10	3.88E-10	1.29E-11	6.36E-10
3941	740861.22	4109600.06	2.64E-09	4.80E-09	2.64E-10	7.70E-09	4.09E-10	7.87E-10	3.96E-11	1.24E-09	3.97E-10	6.77E-10	5.02E-11	1.13E-09	2.26E-10	3.74E-10	1.24E-11	6.12E-10
3942	740886.68	4109563.74	2.50E-09	4.55E-09	2.50E-10	7.29E-09	3.87E-10	7.46E-10	3.75E-11	1.17E-09	3.76E-10	6.42E-10	4.76E-11	1.07E-09	2.14E-10	3.54E-10	1.17E-11	5.80E-10
3943	740912.14	4109527.42	2.33E-09	4.25E-09	2.33E-10	6.82E-09	3.62E-10	6.97E-10	3.50E-11	1.09E-09	3.52E-10	6.00E-10	4.45E-11	9.96E-10	2.00E-10	3.31E-10	1.10E-11	5.42E-10
3944	740937.6	4109491.11	2.16E-09	3.93E-09	2.16E-10	6.30E-09	3.34E-10	6.44E-10	3.24E-11	1.01E-09	3.25E-10	5.54E-10	4.11E-11	9.21E-10	1.85E-10	3.06E-10	1.01E-11	5.01E-10
3945	740963.07	4109454.79	1.98E-09	3.61E-09	1.98E-10	5.78E-09	3.07E-10	5.91E-10	2.97E-11	9.28E-10	2.98E-10	5.09E-10	3.77E-11	8.45E-10	1.70E-10	2.81E-10	9.30E-12	4.59E-10
3946	740988.53	4109418.47	1.81E-09	3.30E-09	1.81E-10	5.30E-09	2.81E-10	5.42E-10	2.72E-11	8.50E-10	2.73E-10	4.66E-10	3.45E-11	7.74E-10	1.55E-10	2.57E-10	8.52E-12	4.21E-10
3947	741013.99	4109382.15	1.67E-09	3.05E-09	1.67E-10	4.88E-09	2.59E-10	4.99E-10	2.51E-11	7.84E-10	2.52E-10	4.30E-10	3.18E-11	7.14E-10	1.43E-10	2.37E-10	7.85E-12	3.88E-10
3948	741039.45	4109345.84	1.56E-09	2.84E-09	1.56E-10	4.56E-09	2.42E-10	4.66E-10	2.34E-11	7.32E-10	2.35E-10	4.01E-10	2.97E-11	6.66E-10	1.34E-10	2.21E-10	7.33E-12	3.62E-10
3949	741064.91	4109309.52	1.48E-09	2.70E-09	1.48E-10	4.33E-09	2.30E-10	4.42E-10	2.22E-11	6.94E-10	2.23E-10	3.81E-10	2.82E-11	6.32E-10	1.27E-10	2.10E-10	6.96E-12	3.44E-10
3950	741090.37	4109273.2	1.42E-09	2.60E-09	1.43E-10	4.16E-09	2.21E-10	4.26E-10	2.14E-11	6.68E-10	2.15E-10	3.66E-10	2.71E-11	6.08E-10	1.22E-10	2.02E-10	6.70E-12	3.31E-10
3951	741115.83	4109236.88	1.39E-09	2.53E-09	1.39E-10	4.06E-09	2.15E-10	4.15E-10	2.08E-11	6.51E-10	2.09E-10	3.57E-10	2.65E-11	5.93E-10	1.19E-10	1.97E-10	6.53E-12	3.22E-10
3952	741141.29	4109200.56	1.37E-09	2.49E-09	1.37E-10	4.00E-09	2.12E-10	4.09E-10	2.05E-11	6.41E-10	2.06E-10	3.52E-10	2.61E-11	5.84E-10	1.17E-10	1.94E-10	6.43E-12	3.18E-10
3953	741166.75	4109164.25	1.35E-09	2.47E-09	1.36E-10	3.96E-09	2.10E-10	4.05E-10	2.03E-11	6.35E-10	2.04E-10	3.48E-10	2.58E-11	5.78E-10	1.16E-10	1.92E-10	6.37E-12	3.15E-10
3954	741192.22	4109127.93	1.34E-09	2.44E-09	1.34E-10	3.91E-09	2.08E-10	4.00E-10	2.01E-11	6.28E-10	2.02E-10	3.44E-10	2.55E-11	5.72E-10	1.15E-10	1.90E-10	6.29E-12	3.11E-10
3955	740905.28	4110612.36	2.82E-09	5.13E-09	2.82E-10	8.23E-09	4.37E-10	8.42E-10	4.23E-11	1.32E-09	4.25E-10	7.24E-10	5.37E-11	1.20E-09	2.41E-10	3.99E-10	1.32E-11	6.54E-10
3956	740917.4	4110631.35	2.84E-09	5.18E-09	2.84E-10	8.31E-09	4.41E-10	8.49E-10	4.27E-11	1.33E-09	4.29E-10	7.31E-10	5.42E-11	1.21E-09	2.44E-10	4.03E-10	1.34E-11	6.60E-10
3957	740929.51	4110650.34	2.87E-09	5.22E-09	2.87E-10	8.38E-09	4.45E-10	8.56E-10	4.30E-11	1.34E-09	4.32E-10	7.37E-10	5.46E-11	1.22E-09	2.46E-10	4.06E-10	1.35E-11	6.66E-10
3958	740941.62	4110669.32	2.89E-09	5.26E-09	2.89E-10	8.43E-09	4.48E-10	8.62E-10	4.33E-11	1.35E-09	4.35E-10	7.42E-10	5.50E-11	1.23E-09	2.47E-10	4.09E-10	1.36E-11	6.70E-10
3959	740953.74	4110688.31	2.90E-09	5.28E-09	2.90E-10	8.47E-09	4.50E-10	8.66E-10	4.35E-11	1.36E-09	4.37E-10	7.46E-10	5.53E-11	1.24E-09	2.49E-10	4.11E-10	1.36E-11	6.73E-10
3960	740965.85	4110707.3	2.91E-09	5.30E-09	2.91E-10	8.49E-09	4.51E-10	8.68E-10	4.36E-11	1.36E-09	4.38E-10	7.47E-10	5.54E-11	1.24E-09	2.49E-10	4.12E-10	1.37E-11	6.75E-10
3961	740977.96	4110726.29	2.90E-09	5.29E-09	2.90E-10	8.48E-09	4.50E-10	8.67E-10	4.35E-11	1.36E-09	4.37E-10	7.46E-10	5.53E-11	1.24E-09	2.49E-10	4.11E-10	1.36E-11	6.74E-10
3962	740990.08	4110745.27	2.88E-09	5.26E-09	2.89E-10	8.43E-09	4.47E-10	8.62E-10	4.33E-11	1.35E-09	4.35E-10	7.41E-10	5.50E-11	1.23E-09	2.47E-10	4.09E-10	1.36E-11	6.70E-10
3963	741002.19	4110764.26	2.85E-09	5.20E-09	2.86E-10	8.34E-09	4.43E-10	8.53E-10	4.28E-11	1.34E-09	4.30E-10	7.34E-10	5.44E-11	1.22E-09	2.45E-10	4.05E-10	1.34E-11	6.63E-10
3964	740720.71	4110679.14	2.22E-09	4.04E-09	2.22E-10	6.48E-09	3.44E-10	6.62E-10	3.33E-11	1.04E-09	3.34E-10	5.70E-10	4.22E-11	9.46E-10	1.90E-10	3.14E-10	1.04E-11	5.14E-10
3965	740713.02	4110635.55	2.22E-09	4.05E-09	2.23E-10	6.50E-09	3.45E-10	6.65E-10	3.34E-11	1.04E-09	3.35E-10	5.72E-10	4.24E-11	9.50E-10	1.91E-10	3.15E-10	1.05E-11	5.16E-10
3966	740705.32	4110591.96	2.24E-09	4.08E-09	2.24E-10	6.55E-09	3.47E-10	6.69E-10	3.36E-11	1.05E-09	3.38E-10	5.76E-10	4.27E-11	9.57E-10	1.92E-10	3.18E-10	1.05E-11	5.20E-10
3967	740697.62	4110548.37	2.27E-09	4.13E-09	2.27E-10	6.62E-09	3.51E-10	6.77E-10	3.40E-11	1.06E-09	3.42E-10	5.82E-10	4.32E-11	9.67E-10	1.94E-10	3.21E-10	1.06E-11	5.26E-10
3968	740689.93	4110504.78	2.30E-09	4.19E-09	2.30E-10	6.71E-09	3.56E-10	6.86E-10	3.45E-11	1.08E-09	3.46E-10	5.91E-10	4.38E-11	9.81E-10	1.97E-10	3.26E-10	1.08E-11	5.33E-10
3969	740682.23	4110461.19	2.34E-09	4.26E-09	2.34E-10	6.83E-09	3.62E-10	6.98E-10	3.51E-11	1.10E-09	3.52E-10	6.01E-10	4.45E-11	9.98E-10	2.00E-10	3.31E-10	1.10E-11	5.43E-10
3970	740674.53	4110417.6	2.39E-09	4.36E-09	2.39E-10	6.99E-09	3.71E-10	7.15E-10	3.59E-11	1.12E-09	3.61E-10	6.15E-10	4.56E-11	1.02E-09	2.05E-10	3.39E-10	1.12E-11	5.55E-10
3971	740666.84	4110374.01	2.48E-09	4.51E-09	2.48E-10	7.24E-09	3.84E-10	7.40E-10	3.72E-11	1.16E-09	3.74E-10	6.37E-10	4.72E-11	1.06E-09	2.12E-10	3.51E-10	1.16E-11	5.75E-10
3972	740659.14	4110330.42	2.61E-09	4.75E-09	2.61E-10	7.62E-09	4.04E-10	7.79E-10	3.91E-11	1.22E-09	3.93E-10	6.70E-10	4.97E-11	1.11E-09	2.23E-10	3.70E-10	1.22E-11	6.05E-10
3973	740651.45	4110286.83	2.77E-09	5.05E-09	2.77E-10	8.10E-09	4.30E-10	8.28E-10	4.16E-11	1.30E-09	4.18E-10	7.13E-10	5.28E-11	1.18E-09	2.38E-10	3.93E-10	1.30E-11	6.44E-10
3974	740643.75	4110243.25	2.94E-09	5.36E-09	2.95E-10	8.60E-09	4.56E-10	8.79E-10	4.42E-11	1.38E-09	4.44E-10	7.57E-10	5.61E-11	1.26E-09	2.52E-10	4.17E-10	1.38E-11	6.83E-10
3975	740636.05	4110199.66	3.08E-09	5.61E-09	3.08E-10	9.00E-09	4.78E-10	9.20E-10	4.62E-11	1.44E-09	4.65E-10	7.92E-10	5.87E-11	1.32E-09	2.64E-10	4.37E-10	1.45E-11	7.15E-10
3976	740628.36	4110156.07	3.15E-09	5.74E-09	3.15E-10	9.20E-09	4.88E-10	9.41E-10	4.73E-11	1.48E-09	4.75E-10	8.09E-10	6.00E-11	1.34E-09	2.70E-10	4.46E-10	1.48E-11	7.31E-10
3977	740620.66	4110112.48	3.13E-09	5.71E-09	3.13E-10	9.16E-09	4.86E-10	9.36E-10	4.70E-11	1.47E-09	4.72E-10	8.05E-10	5.97E-11	1.34E-09	2.68E-10	4.44E-10	1.47E-11	7.27E-10
3978	740612.96	4110068.89	3.04E-09	5.54E-09	3.04E-10	8.89E-09	4.72E-10	9.09E-10	4.56E-11	1.43E-09	4.59E-10	7.82E-10	5.80E-11	1.30E-09	2.61E-10	4.31E-10	1.43E-11	7.06E-10
3979	740605.27	4110025.3	2.90E-09	5.29E-09	2.90E-10	8.48E-09	4.50E-10	8.67E-10	4.35E-11	1.36E-09	4.38E-10	7.46E-10	5.53E-11	1.24E-09	2.49E-10	4.11E-10	1.36E-11	6.74E-10
3980	740597.57	4109981.71	2.74E-09	4.99E-09	2.74E-10	8.01E-09	4.25E-10	8.19E-10	4.11E-11	1.28E-09	4.13E-10	7.04E-10	5.22E-11	1.17E-09	2.35E-10	3.88E-10	1.29E-11	6.36E-10
3981	740589.88	4109938.12	2.58E-09	4.70E-09	2.58E-10	7.54E-09	4.00E-10	7.71E-10	3.87E-11	1.21E-09	3.89E-10	6.64E-10	4.92E-11	1.10E-09	2.21E-10	3.66E-10	1.21E-11	5.99E-10
3982	740582.18	4109894.53	2.44E-09	4.45E-09	2.45E-10	7.14E-09	3.79E-10	7.30E-10	3.67E-11	1.15E-09	3.69E-10	6.28E-10	4.66E-11	1.04E-09	2.09E-10	3.47E-10	1.15E-11	5.67E-10
3983	740574.48	4109850.94	2.34E-09	4.26E-09	2.34E-10	6.83E-09	3.63E-10	6.99E-10	3.51E-11	1.10E-09	3.53E-10	6.01E-10	4.46E-11	9.98E-10	2.00E-10	3.32E-10	1.10E-11	5.43E-10
3984	740566.79	4109807.35	2.27E-09	4.13E-09	2.27E-10	6.63E-09	3.52E-10	6.78E-10	3.41E-11	1.06E-09	3.42E-10	5.83E-10	4.32E-11	9.69E-10	1.94E-10	3.22E-10	1.07E-11	5.27E-10
3985	740559.09	4109763.76	2.22E-09	4.05E-09	2.22E-10	6.49E-09	3.45E-10	6.64E-10	3.34E-11	1.04E-09	3.35E-10	5.71E-10	4.24E-11	9.49E-10	1.90E-10	3.15E-10	1.04E-11	5.16E-10
3986	740564.1	4109702.04	2.21E-09	4.03E-09	2.21E-10	6.46E-09	3.43E-10	6.60E-10	3.32E-11	1.04E-09	3.33E-10	5.68E-10	4.21E-11	9.44E-10	1.89E-10	3.13E-10	1.04E-11	5.13E-10
3987	740589.51	4109665.8	2.24E-09	4.08E-09	2.24E-10	6.55E-09	3.48E-10	6.70E-10	3.36E-11	1.05E-09	3.38E-10	5.76E-10	4.27E-11	9.57E-10	1.92E-10	3.18E-10	1.05E-11	5.20E-10
3988	740614.92	4109629.56	2.25E-09	4.10E-09	2.25E-10	6.57E-09	3.49E-10	6.72E-10	3.37E-11	1.05E-09	3.39E-10	5.78E-10	4.28E-11	9.60E-10	1.93E-10	3.19E-10	1.06E-11	5.22E-10
3989	740640.33	4109593.31	2.22E-09	4.05E-09	2.22E-10	6.49E-09	3.44E-10	6.63E-10	3.33E-11	1.04E-09	3.35E-10	5.71E-10	4.23E-11	9.48E-10	1.90E-10	3.15E-10	1.04E-11	5.16E-10
3990	740665.74	4109557.07	2.16E-09	3.93E-09	2.16E-10	6.30E-09	3.35E-10	6.44E-10	3.24E-11	1.01E-09	3.25E-10	5.55E-10	4.11E-11	9.21E-10	1.85E-10	3.06E-10	1.01E-11	5.01E-10
3991	740691.15	4109520.82	2.06E-09	3.76E-09	2.07E-10	6.03E-09	3.20E-10	6.17E-10	3.10E-11	9.68E-10	3.11E-10	5.31E-10	3.93E-11	8.81E-10	1.77E-10	2.93E-10	9.70E-12	4.79E-10
3992	740716.56	4109484.58	1.95E-09	3.55E-09	1.95E-10	5.70E-09	3.02E-10	5.83E-10	2.93E-11	9.15E-10	2.94E-10	5.01E-10	3.72E-11	8.33E-10	1.67E-10	2.77E-10	9.17E-12	4.53E-10
3993	740741.97	4109448.33	1.83E-09	3.33E-09	1.83E-10	5.34E-09	2.83E-10	5.46E-10	2.74E-11	8.57E-10	2.75E-10	4.70E-10	3.48E-11	7.80E-10	1.57E-10	2.59E-10	8.59E-12	4.24E-10
3994	740767.38	4109412.09	1.70E-09	3.10E-09	1.70E-10	4.97E-09	2.64E-10	5.08E-10	2.55E-11	7.97E-10	2.56E-10	4.37E-10	3.24E-11	7.25E-10	1.46E-10	2.41E-10	7.99E-12	3.95E-10
3995	740792.79	4109375.85	1.57E-09	2.87E-09	1.57E-10	4.60E-09	2.44E-10	4.70E-10	2.36E-11	7.38E-10	2.37E-10	4.05E-10	3.00E-11	6.72E-10	1.35E-10	2.23E-10	7.40E-12	3.65E-10
3996	740818.2	4109339.6	1.46E-09	2.65E-09	1.46E-10	4.26E-09	2.26E-10	4.35E-10	2.19E-11	6.83E-10	2.20E-10	3.74E-10	2.77E-11	6.22E-10	1.25E-10	2.06E-10	6.84E-12	3.38E-10
3997	740843.61	4109303.36	1.35E-09	2.46E-09	1.35E-10	3.95E-09	2.09E-10	4.03E-10	2.03E-11	6.33E-10	2.04E-10	3.47E-10	2.57E-11	5.76E-10	1.16E-10	1.91E-10	6.35E-12	3.13E-10
3998	740869.02	4109267.11	1.26E-09	2.30E-09	1.26E-10	3.68E-09	1.95E-10	3.76E-10	1.89E-11	5.91E-10	1.90E-10	3.24E-10	2.40E-11	5.38E-10	1.08E-10	1.79E-10	5.92E-12	2.93E-10
3999	740894.43	4109230.87	1.19E-09	2.17E-09	1.19E-10	3.47E-09	1.84E-10	3.55E-10	1.78E-11	5.57E-10	1.79E-10	3.06E-10	2.26E-11	5.07E-10	1.02E-10	1.69E-10	5.59E-12	2.76E-10
4000	740919.84	4109194.62	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.39E-10	1.70E-11	5.32E-10	1.71E-10	2.92E-10	2.16E-11	4.85E-10	9.73E-11	1.61E-10	5.33E-12	2.64E-10
4001	740945.24	4109158.38	1.10E-09	2.00E-09	1.10E-10	3.21E-09	1.70E-10	3.28E-10	1.65E-11	5.15E-10	1.66E-10	2.83E-10	2.09E-11	4.69E-10	9.42E-11	1.56E-10	5.17E-12	2.55E-10
4002	740970.65	4109122.14	1.08E-09	1.97E-09	1.08E-10	3.15E-09	1.67E-10	3.22E-10	1.62E-11	5.06E-10	1.63E-10	2.77E-10	2.06E-11	4.61E-10	9.25E-11	1.53E-10	5.07E-12	2.51E-10
4003	740996.06	4109085.89	1.07E-09	1.95E-09	1.07E-10	3.13E-09	1.66E-10	3.20E-10	1.61E-11	5.02E-10	1.62E-10	2.75E-10	2.04E-11	4.57E-10	9.18E-11	1.52E-10	5.03E-12	2.49E-10
4004	741021.47	4109049.65	1.07E-09	1.95E-09	1.07E-10	3.13E-09	1.66E-10	3.20E-10	1.61E-11	5.02E-10	1.62E-10	2.75E-10	2.04E-11	4.57E-10	9.18E-11	1.52E-10	5.03E-12	2.49E-10
4005	741046.88	4109013.4	1.07E-09	1.95E-09	1.07E-10	3.13E-09	1.66E-10	3.20E-10	1.61E-11	5.02E-10	1.62E-10	2.75E-10	2.04E-11	4.57E-10	9.18E-11	1.52E-10	5.03E-12	2.49E-10
4006	741072.29	4108977.16	1.07E-09	1.94E-09	1.07E-10	3.12E-09	1.65E-10	3.19E-10	1.60E-11	5.00E-10	1.61E-10	2.74E-10	2.03E-11	4.55E-10	9.14E-11	1.51E-10	5.01E-12	2.48E-10
4007	741097.7	4108940.91	1.05E-09	1.92E-09	1.05E-10	3.07E-09	1.63E-10	3.14E-10	1.58E-11	4.93E-10	1.59E-10	2.70E-10	2.00E-11	4.49E-10	9.01E-11	1.49E-10	4.94E-12	2.44E-10
4008	740736.67	4110719.93	2.23E-09	4.07E-09	2.23E-10	6.52E-09	3.46E-10	6.67E-10	3.35E-11	1.05E-09	3.36E-10	5.74E-10	4.25E-11	9.52E-10	1.91E-10	3.16E-10	1.05E-11	5.18E-10
4009	740748.79	4110738.91	2.25E-09	4.10E-09	2.25E-10	6.57E-09	3.49E-10	6.72E-10	3.37E-11	1.05E-09	3.39E-10	5.78E-10	4.28E-11	9.60E-10	1.93E-10	3.19E-10	1.06E-11	5.22E-10
4010	740760.9	4110757.9	2.26E-09	4.13E-09	2.27E-10	6.62E-09	3.51E-10	6.76E-10	3.40E-11	1.06E-09	3.41E-10	5.82E-10	4.31E-11	9.67E-10	1.94E-10	3.21E-10	1.06E-11	5.26E-10
4011	740773.01	4110776.89	2.28E-09	4.15E-09	2.28E-10	6.66E-09	3.53E-10	6.80E-10	3.42E-11	1.07E-09	3.43E-10	5.86E-10	4.34E-11	9.72E-10	1.95E-10	3.23E-10	1.07E-11	5.29E-10
4012	740785.13	4110795.88	2.29E-09	4.17E-09	2.29E-10	6.69E-09	3.55E-10	6.83E-10	3.43E-11	1.07E-09	3.45E-10	5.88E-10	4.36E-11	9.77E-10	1.96E-10	3.24E-10	1.08E-11	5.31E-10
4013	740809.35	4110833.85	2.30E-09	4.18E-09	2.30E-10	6.71E-09	3.56E-10	6.86E-10	3.44E-11	1.08E-09	3.46E-10	5.90E-10	4.37E-11	9.80E-10	1.97E-10	3.25E-10	1.08E-11	5.33E-10
4014	740821.47	4110852.84	2.29E-09	4.17E-09	2.29E-10	6.69E-09	3.55E-10	6.84E-10	3.44E-11	1.07E-09	3.45E-10	5.88E-10	4.36E-11	9.77E-10	1.96E-10	3.25E-10	1.08E-11	5.31E-10
4015	740833.58	4110871.83	2.27E-09	4.14E-09	2.28E-10	6.65E-09	3.53E-10	6.79E-10	3.41E-11	1.07E-09	3.43E-10	5.85E-10	4.33E-11	9.71E-10	1.95E-10	3.22E-10	1.07E-11	5.28E-10
4016	740552.11	4110786.74	1.82E-09	3.31E-09	1.82E-10	5.31E-09	2.82E-10	5.43E-10	2.73E-11	8.52E-10	2.74E-10	4.67E-10	3.46E-11	7.75E-10	1.56E-10	2.58E-10	8.54E-12	4.22E-10
4017	740544.42	4110743.22	1.82E-09	3.32E-09	1.82E-10	5.32E-09	2.82E-10	5.44E-10	2.73E-11	8.54E-10	2.75E-10	4.68E-10	3.47E-11	7.77E-10	1.56E-10	2.58E-10	8.56E-12	4.23E-10
4018	740536.74	4110699.69	1.83E-09	3.33E-09	1.83E-10	5.34E-09	2.84E-10	5.46E-10	2.74E-11	8.57E-10	2.76E-10	4.70E-10	3.48E-11	7.80E-10	1.57E-10	2.59E-10	8.59E-12	4.24E-10
4019	740529.05	4110656.17	1.84E-09	3.36E-09	1.84E-10	5.38E-09	2.86E-10	5.50E-10	2.76E-11	8.63E-10	2.78E-10	4.73E-10	3.51E-11	7.86E-10	1.58E-10	2.61E-10	8.65E-12	4.28E-10
4020	740521.37	4110612.64	1.86E-09	3.39E-09	1.86E-10	5.44E-09	2.89E-10	5.56E-10	2.79E-11	8.73E-10	2.81E-10	4.79E-10	3.55E-11	7.95E-10	1.60E-10	2.64E-10	8.75E-12	4.32E-10
4021	740513.68	4110569.11	1.89E-09	3.44E-09	1.89E-10	5.51E-09	2.92E-10	5.63E-10	2.83E-11	8.84E-10	2.84E-10	4.85E-10	3.59E-11	8.05E-10	1.62E-10	2.67E-10	8.86E-12	4.38E-10
4022	740506	4110525.59	1.91E-09	3.49E-09	1.91E-10	5.59E-09	2.97E-10	5.71E-10	2.87E-11	8.97E-10	2.88E-10	4.92E-10	3.64E-11	8.17E-10	1.64E-10	2.71E-10	8.99E-12	4.44E-10
4023	740498.31	4110482.06	1.95E-09	3.55E-09	1.95E-10	5.69E-09	3.02E-10	5.81E-10	2.92E-11	9.12E-10	2.93E-10	5.00E-10	3.71E-11	8.31E-10	1.67E-10	2.76E-10	9.15E-12	4.52E-10
4024	740490.63	4110438.54	2.00E-09	3.64E-09	2.00E-10	5.84E-09	3.10E-10	5.97E-10	3.00E-11	9.37E-10	3.01E-10	5.14E-10	3.81E-11	8.53E-10	1.71E-10	2.83E-10	9.39E-12	4.64E-10
4025	740482.94	4110395.01	2.08E-09	3.79E-09	2.08E-10	6.07E-09	3.22E-10	6.21E-10	3.12E-11	9.74E-10	3.13E-10	5.34E-10	3.96E-11	8.87E-10	1.78E-10	2.95E-10	9.77E-12	4.83E-10
4026	740475.26	4110351.49	2.19E-09	3.99E-09	2.19E-10	6.41E-09	3.40E-10	6.55E-10	3.29E-11	1.03E-09	3.31E-10	5.63E-10	4.18E-11	9.36E-10	1.88E-10	3.11E-10	1.03E-11	5.09E-10
4027	740467.57	4110307.96	2.33E-09	4.24E-09	2.33E-10	6.80E-09	3.61E-10	6.95E-10	3.49E-11	1.09E-09	3.51E-10	5.98E-10	4.43E-11	9.94E-10	1.99E-10	3.30E-10	1.09E-11	5.40E-10
4028	740459.89	4110264.44	2.46E-09	4.48E-09	2.46E-10	7.19E-09	3.81E-10	7.35E-10	3.69E-11	1.15E-09	3.71E-10	6.32E-10	4.69E-11	1.05E-09	2.11E-10	3.49E-10	1.16E-11	5.71E-10

4029	740452.2	4110220.91	2.56E-09	4.67E-09	2.56E-10	7.49E-09	3.97E-10	7.65E-10	3.84E-11	1.20E-09	3.86E-10	6.59E-10	4.88E-11	1.09E-09	2.20E-10	3.63E-10	1.20E-11	5.95E-10
4030	740444.52	4110177.39	2.61E-09	4.76E-09	2.61E-10	7.63E-09	4.05E-10	7.80E-10	3.92E-11	1.22E-09	3.94E-10	6.71E-10	4.98E-11	1.11E-09	2.24E-10	3.70E-10	1.23E-11	6.06E-10
4031	740436.83	4110133.86	2.60E-09	4.74E-09	2.60E-10	7.60E-09	4.03E-10	7.77E-10	3.90E-11	1.22E-09	3.92E-10	6.69E-10	4.96E-11	1.11E-09	2.23E-10	3.69E-10	1.22E-11	6.04E-10
4032	740429.15	4110090.34	2.54E-09	4.63E-09	2.54E-10	7.42E-09	3.94E-10	7.58E-10	3.81E-11	1.19E-09	3.83E-10	6.53E-10	4.84E-11	1.08E-09	2.18E-10	3.60E-10	1.19E-11	5.89E-10
4033	740421.46	4110046.81	2.44E-09	4.44E-09	2.44E-10	7.13E-09	3.78E-10	7.28E-10	3.66E-11	1.14E-09	3.68E-10	6.27E-10	4.65E-11	1.04E-09	2.09E-10	3.46E-10	1.15E-11	5.66E-10
4034	740413.78	4110003.29	2.32E-09	4.22E-09	2.32E-10	6.77E-09	3.59E-10	6.92E-10	3.48E-11	1.09E-09	3.49E-10	5.96E-10	4.42E-11	9.89E-10	1.99E-10	3.29E-10	1.09E-11	5.38E-10
4035	740406.09	4109959.76	2.19E-09	3.99E-09	2.19E-10	6.41E-09	3.40E-10	6.55E-10	3.29E-11	1.03E-09	3.31E-10	5.64E-10	4.18E-11	9.36E-10	1.88E-10	3.11E-10	1.03E-11	5.09E-10
4036	740398.41	4109916.23	2.08E-09	3.78E-09	2.08E-10	6.07E-09	3.22E-10	6.20E-10	3.12E-11	9.73E-10	3.13E-10	5.34E-10	3.96E-11	8.86E-10	1.78E-10	2.94E-10	9.75E-12	4.82E-10
4037	740390.72	4109872.71	1.98E-09	3.60E-09	1.98E-10	5.78E-09	3.07E-10	5.91E-10	2.97E-11	9.27E-10	2.98E-10	5.08E-10	3.77E-11	8.44E-10	1.69E-10	2.80E-10	9.29E-12	4.59E-10
4038	740383.04	4109829.18	1.90E-09	3.47E-09	1.90E-10	5.56E-09	2.95E-10	5.68E-10	2.85E-11	8.92E-10	2.87E-10	4.89E-10	3.62E-11	8.12E-10	1.63E-10	2.70E-10	8.94E-12	4.42E-10
4039	740375.35	4109785.66	1.85E-09	3.37E-09	1.85E-10	5.41E-09	2.87E-10	5.53E-10	2.78E-11	8.68E-10	2.79E-10	4.76E-10	3.53E-11	7.91E-10	1.59E-10	2.63E-10	8.70E-12	4.30E-10
4040	740367.67	4109742.13	1.82E-09	3.32E-09	1.82E-10	5.32E-09	2.83E-10	5.44E-10	2.73E-11	8.54E-10	2.75E-10	4.68E-10	3.47E-11	7.78E-10	1.56E-10	2.58E-10	8.56E-12	4.23E-10
4041	740359.99	4109698.61	1.80E-09	3.29E-09	1.80E-10	5.27E-09	2.80E-10	5.39E-10	2.71E-11	8.46E-10	2.72E-10	4.64E-10	3.44E-11	7.70E-10	1.55E-10	2.56E-10	8.48E-12	4.19E-10
4042	740368.83	4109658.75	1.82E-09	3.31E-09	1.82E-10	5.31E-09	2.82E-10	5.42E-10	2.73E-11	8.51E-10	2.74E-10	4.67E-10	3.46E-11	7.75E-10	1.56E-10	2.57E-10	8.53E-12	4.22E-10
4043	740394.2	4109622.56	1.85E-09	3.37E-09	1.85E-10	5.40E-09	2.86E-10	5.52E-10	2.77E-11	8.66E-10	2.78E-10	4.75E-10	3.52E-11	7.88E-10	1.58E-10	2.62E-10	8.68E-12	4.29E-10
4044	740419.57	4109586.37	1.86E-09	3.39E-09	1.86E-10	5.43E-09	2.88E-10	5.56E-10	2.79E-11	8.72E-10	2.80E-10	4.78E-10	3.54E-11	7.94E-10	1.59E-10	2.64E-10	8.74E-12	4.32E-10
4045	740444.95	4109550.18	1.85E-09	3.37E-09	1.85E-10	5.40E-09	2.87E-10	5.52E-10	2.77E-11	8.66E-10	2.79E-10	4.75E-10	3.52E-11	7.89E-10	1.58E-10	2.62E-10	8.68E-12	4.29E-10
4046	740470.32	4109513.99	1.81E-09	3.30E-09	1.81E-10	5.29E-09	2.80E-10	5.40E-10	2.71E-11	8.48E-10	2.73E-10	4.65E-10	3.45E-11	7.72E-10	1.55E-10	2.56E-10	8.50E-12	4.20E-10
4047	740495.69	4109477.8	1.74E-09	3.18E-09	1.75E-10	5.10E-09	2.71E-10	5.21E-10	2.62E-11	8.18E-10	2.63E-10	4.49E-10	3.33E-11	7.45E-10	1.50E-10	2.47E-10	8.20E-12	4.05E-10
4048	740521.06	4109441.61	1.66E-09	3.03E-09	1.66E-10	4.86E-09	2.58E-10	4.97E-10	2.50E-11	7.79E-10	2.51E-10	4.27E-10	3.17E-11	7.10E-10	1.42E-10	2.36E-10	7.81E-12	3.86E-10
4049	740546.43	4109405.41	1.57E-09	2.86E-09	1.57E-10	4.59E-09	2.43E-10	4.69E-10	2.36E-11	7.36E-10	2.37E-10	4.04E-10	2.99E-11	6.70E-10	1.35E-10	2.23E-10	7.38E-12	3.64E-10
4050	740571.81	4109369.22	1.47E-09	2.69E-09	1.48E-10	4.31E-09	2.29E-10	4.41E-10	2.21E-11	6.91E-10	2.22E-10	3.79E-10	2.81E-11	6.30E-10	1.26E-10	2.09E-10	6.93E-12	3.42E-10
4051	740597.18	4109333.03	1.38E-09	2.51E-09	1.38E-10	4.03E-09	2.14E-10	4.12E-10	2.07E-11	6.47E-10	2.08E-10	3.55E-10	2.63E-11	5.89E-10	1.18E-10	1.96E-10	6.49E-12	3.20E-10
4052	740622.55	4109296.84	1.29E-09	2.35E-09	1.29E-10	3.77E-09	2.00E-10	3.85E-10	1.94E-11	6.05E-10	1.94E-10	3.32E-10	2.46E-11	5.51E-10	1.11E-10	1.83E-10	6.06E-12	2.99E-10
4053	740647.92	4109260.65	1.20E-09	2.19E-09	1.21E-10	3.52E-09	1.87E-10	3.60E-10	1.81E-11	5.65E-10	1.82E-10	3.10E-10	2.29E-11	5.14E-10	1.03E-10	1.71E-10	5.66E-12	2.80E-10
4054	740673.29	4109224.46	1.12E-09	2.05E-09	1.13E-10	3.29E-09	1.74E-10	3.36E-10	1.69E-11	5.27E-10	1.70E-10	2.89E-10	2.14E-11	4.80E-10	9.63E-11	1.59E-10	5.28E-12	2.61E-10
4055	740698.67	4109188.27	1.05E-09	1.92E-09	1.05E-10	3.08E-09	1.63E-10	3.14E-10	1.58E-11	4.93E-10	1.59E-10	2.71E-10	2.01E-11	4.49E-10	9.02E-11	1.49E-10	4.95E-12	2.44E-10
4056	740724.04	4109152.08	9.90E-10	1.80E-09	9.91E-11	2.89E-09	1.54E-10	2.96E-10	1.49E-11	4.64E-10	1.49E-10	2.55E-10	1.89E-11	4.23E-10	8.49E-11	1.40E-10	4.65E-12	2.30E-10
4057	740749.41	4109115.89	9.40E-10	1.71E-09	9.41E-11	2.75E-09	1.46E-10	2.81E-10	1.41E-11	4.41E-10	1.42E-10	2.42E-10	1.79E-11	4.01E-10	8.06E-11	1.33E-10	4.42E-12	2.18E-10
4058	740774.78	4109079.7	9.03E-10	1.64E-09	9.03E-11	2.64E-09	1.40E-10	2.70E-10	1.35E-11	4.23E-10	1.36E-10	2.32E-10	1.72E-11	3.85E-10	7.74E-11	1.28E-10	4.24E-12	2.10E-10
4059	740800.15	4109043.51	8.79E-10	1.60E-09	8.79E-11	2.57E-09	1.36E-10	2.63E-10	1.32E-11	4.12E-10	1.33E-10	2.26E-10	1.67E-11	3.75E-10	7.53E-11	1.25E-10	4.13E-12	2.04E-10
4060	740825.53	4109007.32	8.67E-10	1.58E-09	8.67E-11	2.53E-09	1.34E-10	2.59E-10	1.30E-11	4.06E-10	1.31E-10	2.23E-10	1.65E-11	3.70E-10	7.43E-11	1.23E-10	4.07E-12	2.01E-10
4061	740850.9	4108971.13	8.65E-10	1.58E-09	8.66E-11	2.53E-09	1.34E-10	2.58E-10	1.30E-11	4.06E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.41E-11	1.23E-10	4.07E-12	2.01E-10
4062	740876.27	4108934.93	8.69E-10	1.58E-09	8.70E-11	2.54E-09	1.35E-10	2.60E-10	1.30E-11	4.07E-10	1.31E-10	2.23E-10	1.66E-11	3.71E-10	7.45E-11	1.23E-10	4.08E-12	2.02E-10
4063	740901.64	4108898.74	8.75E-10	1.59E-09	8.76E-11	2.56E-09	1.36E-10	2.61E-10	1.31E-11	4.10E-10	1.32E-10	2.25E-10	1.67E-11	3.74E-10	7.50E-11	1.24E-10	4.11E-12	2.03E-10
4064	740927.02	4108862.55	8.79E-10	1.60E-09	8.79E-11	2.57E-09	1.36E-10	2.63E-10	1.32E-11	4.12E-10	1.33E-10	2.26E-10	1.67E-11	3.75E-10	7.53E-11	1.25E-10	4.13E-12	2.04E-10
4065	740952.39	4108826.36	8.76E-10	1.60E-09	8.77E-11	2.56E-09	1.36E-10	2.62E-10	1.31E-11	4.11E-10	1.32E-10	2.25E-10	1.67E-11	3.74E-10	7.51E-11	1.24E-10	4.12E-12	2.03E-10
4066	740977.76	4108790.17	8.66E-10	1.58E-09	8.66E-11	2.53E-09	1.34E-10	2.59E-10	1.30E-11	4.06E-10	1.31E-10	2.23E-10	1.65E-11	3.70E-10	7.42E-11	1.23E-10	4.07E-12	2.01E-10
4067	740568.06	4110827.49	1.83E-09	3.33E-09	1.83E-10	5.34E-09	2.83E-10	5.46E-10	2.74E-11	8.57E-10	2.76E-10	4.70E-10	3.48E-11	7.80E-10	1.57E-10	2.59E-10	8.59E-12	4.24E-10
4068	740580.18	4110846.48	1.84E-09	3.35E-09	1.84E-10	5.38E-09	2.85E-10	5.50E-10	2.76E-11	8.62E-10	2.77E-10	4.73E-10	3.51E-11	7.85E-10	1.58E-10	2.61E-10	8.64E-12	4.27E-10
4069	740592.29	4110865.47	1.85E-09	3.37E-09	1.85E-10	5.41E-09	2.87E-10	5.53E-10	2.78E-11	8.68E-10	2.79E-10	4.76E-10	3.53E-11	7.90E-10	1.59E-10	2.62E-10	8.70E-12	4.30E-10
4070	740604.4	4110884.46	1.86E-09	3.39E-09	1.86E-10	5.44E-09	2.88E-10	5.56E-10	2.79E-11	8.72E-10	2.80E-10	4.78E-10	3.54E-11	7.94E-10	1.59E-10	2.64E-10	8.74E-12	4.32E-10
4071	740616.52	4110903.44	1.87E-09	3.40E-09	1.87E-10	5.46E-09	2.90E-10	5.58E-10	2.80E-11	8.76E-10	2.82E-10	4.80E-10	3.56E-11	7.97E-10	1.60E-10	2.65E-10	8.78E-12	4.34E-10
4072	740628.63	4110922.43	1.87E-09	3.41E-09	1.87E-10	5.47E-09	2.90E-10	5.60E-10	2.81E-11	8.78E-10	2.82E-10	4.81E-10	3.57E-11	8.00E-10	1.60E-10	2.66E-10	8.80E-12	4.35E-10
4073	740640.74	4110941.42	1.87E-09	3.42E-09	1.88E-10	5.48E-09	2.91E-10	5.60E-10	2.81E-11	8.79E-10	2.83E-10	4.82E-10	3.57E-11	8.00E-10	1.61E-10	2.66E-10	8.81E-12	4.35E-10
4074	740652.86	4110960.41	1.87E-09	3.41E-09	1.87E-10	5.47E-09	2.90E-10	5.59E-10	2.81E-11	8.78E-10	2.82E-10	4.81E-10	3.57E-11	7.99E-10	1.60E-10	2.66E-10	8.80E-12	4.35E-10
4075	740664.97	4110979.39	1.87E-09	3.40E-09	1.87E-10	5.45E-09	2.89E-10	5.57E-10	2.80E-11	8.75E-10	2.81E-10	4.80E-10	3.56E-11	7.97E-10	1.60E-10	2.65E-10	8.77E-12	4.33E-10
4076	740214.83	4111001.58	1.31E-09	2.38E-09	1.31E-10	3.82E-09	2.03E-10	3.90E-10	1.96E-11	6.13E-10	1.97E-10	3.36E-10	2.49E-11	5.58E-10	1.12E-10	1.85E-10	6.14E-12	3.03E-10
4077	740207.05	4110957.48	1.31E-09	2.39E-09	1.31E-10	3.83E-09	2.03E-10	3.91E-10	1.97E-11	6.14E-10	1.98E-10	3.37E-10	2.50E-11	5.59E-10	1.12E-10	1.86E-10	6.16E-12	3.04E-10
4078	740199.26	4110913.37	1.31E-09	2.39E-09	1.31E-10	3.83E-09	2.03E-10	3.92E-10	1.97E-11	6.15E-10	1.98E-10	3.37E-10	2.50E-11	5.60E-10	1.12E-10	1.86E-10	6.17E-12	3.05E-10
4079	740191.47	4110869.27	1.31E-09	2.40E-09	1.32E-10	3.84E-09	2.04E-10	3.93E-10	1.97E-11	6.16E-10	1.98E-10	3.38E-10	2.51E-11	5.61E-10	1.13E-10	1.86E-10	6.18E-12	3.05E-10
4080	740183.69	4110825.16	1.32E-09	2.41E-09	1.32E-10	3.86E-09	2.05E-10	3.95E-10	1.98E-11	6.20E-10	1.99E-10	3.40E-10	2.52E-11	5.64E-10	1.13E-10	1.87E-10	6.21E-12	3.07E-10
4081	740179.79	4110803.11	1.33E-09	2.42E-09	1.33E-10	3.88E-09	2.06E-10	3.96E-10	1.99E-11	6.22E-10	2.00E-10	3.41E-10	2.53E-11	5.66E-10	1.14E-10	1.88E-10	6.23E-12	3.08E-10
4082	740172	4110759	1.34E-09	2.44E-09	1.34E-10	3.91E-09	2.08E-10	4.00E-10	2.01E-11	6.28E-10	2.02E-10	3.44E-10	2.55E-11	5.72E-10	1.15E-10	1.90E-10	6.29E-12	3.11E-10
4083	740164.22	4110714.9	1.35E-09	2.47E-09	1.35E-10	3.96E-09	2.10E-10	4.05E-10	2.03E-11	6.35E-10	2.04E-10	3.48E-10	2.58E-11	5.78E-10	1.16E-10	1.92E-10	6.36E-12	3.14E-10
4084	740160.32	4110692.84	1.36E-09	2.48E-09	1.36E-10	3.98E-09	2.11E-10	4.07E-10	2.04E-11	6.38E-10	2.05E-10	3.50E-10	2.59E-11	5.81E-10	1.17E-10	1.93E-10	6.40E-12	3.16E-10
4085	740152.54	4110648.74	1.38E-09	2.51E-09	1.38E-10	4.02E-09	2.13E-10	4.11E-10	2.07E-11	6.45E-10	2.08E-10	3.54E-10	2.62E-11	5.88E-10	1.18E-10	1.95E-10	6.47E-12	3.20E-10
4086	740144.75	4110604.63	1.39E-09	2.54E-09	1.39E-10	4.07E-09	2.16E-10	4.16E-10	2.09E-11	6.53E-10	2.10E-10	3.58E-10	2.65E-11	5.94E-10	1.19E-10	1.97E-10	6.54E-12	3.23E-10
4087	740140.85	4110582.58	1.40E-09	2.55E-09	1.40E-10	4.10E-09	2.17E-10	4.19E-10	2.10E-11	6.57E-10	2.11E-10	3.60E-10	2.67E-11	5.98E-10	1.20E-10	1.99E-10	6.59E-12	3.25E-10
4088	740133.07	4110538.47	1.43E-09	2.60E-09	1.43E-10	4.18E-09	2.22E-10	4.27E-10	2.15E-11	6.70E-10	2.16E-10	3.67E-10	2.72E-11	6.10E-10	1.22E-10	2.03E-10	6.72E-12	3.32E-10
4089	740125.28	4110494.37	1.47E-09	2.69E-09	1.47E-10	4.31E-09	2.29E-10	4.40E-10	2.21E-11	6.91E-10	2.22E-10	3.79E-10	2.81E-11	6.29E-10	1.26E-10	2.09E-10	6.93E-12	3.42E-10
4090	740117.49	4110450.26	1.54E-09	2.81E-09	1.54E-10	4.50E-09	2.39E-10	4.60E-10	2.31E-11	7.22E-10	2.32E-10	3.96E-10	2.93E-11	6.57E-10	1.32E-10	2.18E-10	7.24E-12	3.57E-10
4091	740109.71	4110406.16	1.62E-09	2.96E-09	1.62E-10	4.74E-09	2.52E-10	4.85E-10	2.44E-11	7.61E-10	2.45E-10	4.17E-10	3.09E-11	6.93E-10	1.39E-10	2.30E-10	7.63E-12	3.77E-10
4092	740105.81	4110384.1	1.67E-09	3.04E-09	1.67E-10	4.88E-09	2.59E-10	4.99E-10	2.51E-11	7.83E-10	2.52E-10	4.29E-10	3.18E-11	7.13E-10	1.43E-10	2.37E-10	7.85E-12	3.88E-10
4093	740098.02	4110340	1.76E-09	3.21E-09	1.76E-10	5.15E-09	2.73E-10	5.26E-10	2.64E-11	8.26E-10	2.66E-10	4.53E-10	3.36E-11	7.52E-10	1.51E-10	2.50E-10	8.28E-12	4.09E-10
4094	740090.24	4110295.89	1.84E-09	3.35E-09	1.84E-10	5.38E-09	2.85E-10	5.50E-10	2.76E-11	8.63E-10	2.77E-10	4.73E-10	3.51E-11	7.86E-10	1.58E-10	2.61E-10	8.65E-12	4.27E-10
4095	740086.34	4110273.84	1.87E-09	3.41E-09	1.87E-10	5.46E-09	2.90E-10	5.59E-10	2.81E-11	8.77E-10	2.82E-10	4.81E-10	3.56E-11	7.98E-10	1.60E-10	2.65E-10	8.79E-12	4.34E-10
4096	740078.56	4110229.73	1.91E-09	3.47E-09	1.91E-10	5.57E-09	2.96E-10	5.70E-10	2.86E-11	8.94E-10	2.87E-10	4.90E-10	3.63E-11	8.14E-10	1.63E-10	2.70E-10	8.96E-12	4.43E-10
4097	740070.77	4110185.63	1.91E-09	3.48E-09	1.91E-10	5.57E-09	2.96E-10	5.70E-10	2.86E-11	8.94E-10	2.88E-10	4.90E-10	3.63E-11	8.14E-10	1.63E-10	2.70E-10	8.96E-12	4.43E-10
4098	740066.87	4110163.58	1.90E-09	3.45E-09	1.90E-10	5.54E-09	2.94E-10	5.66E-10	2.85E-11	8.89E-10	2.86E-10	4.87E-10	3.61E-11	8.09E-10	1.62E-10	2.69E-10	8.91E-12	4.40E-10
4099	740059.09	4110119.47	1.85E-09	3.38E-09	1.85E-10	5.41E-09	2.87E-10	5.53E-10	2.78E-11	8.68E-10	2.79E-10	4.76E-10	3.53E-11	7.91E-10	1.59E-10	2.63E-10	8.70E-12	4.30E-10
4100	740051.3	4110075.36	1.79E-09	3.26E-09	1.79E-10	5.23E-09	2.77E-10	5.34E-10	2.68E-11	8.38E-10	2.70E-10	4.60E-10	3.41E-11	7.64E-10	1.53E-10	2.54E-10	8.41E-12	4.15E-10
4101	740043.51	4110031.26	1.71E-09	3.12E-09	1.71E-10	5.01E-09	2.66E-10	5.12E-10	2.57E-11	8.03E-10	2.58E-10	4.40E-10	3.27E-11	7.31E-10	1.47E-10	2.43E-10	8.05E-12	3.98E-10
4102	740035.73	4109987.15	1.63E-09	2.98E-09	1.63E-10	4.77E-09	2.53E-10	4.88E-10	2.45E-11	7.66E-10	2.46E-10	4.20E-10	3.11E-11	6.98E-10	1.40E-10	2.32E-10	7.68E-12	3.79E-10
4103	740031.83	4109965.1	1.59E-09	2.90E-09	1.59E-10	4.66E-09	2.47E-10	4.76E-10	2.39E-11	7.47E-10	2.40E-10	4.10E-10	3.04E-11	6.81E-10	1.37E-10	2.26E-10	7.49E-12	3.70E-10
4104	740024.04	4109920.99	1.52E-09	2.77E-09	1.52E-10	4.43E-09	2.35E-10	4.53E-10	2.28E-11	7.11E-10	2.29E-10	3.90E-10	2.89E-11	6.48E-10	1.30E-10	2.15E-10	7.13E-12	3.52E-10
4105	740016.26	4109876.89	1.45E-09	2.64E-09	1.45E-10	4.23E-09	2.25E-10	4.33E-10	2.17E-11	6.79E-10	2.18E-10	3.72E-10	2.76E-11	6.18E-10	1.24E-10	2.05E-10	6.81E-12	3.36E-10
4106	740012.36	4109854.84	1.42E-09	2.58E-09	1.42E-10	4.14E-09	2.20E-10	4.24E-10	2.13E-11	6.65E-10	2.14E-10	3.65E-10	2.70E-11	6.05E-10	1.22E-10	2.01E-10	6.66E-12	3.29E-10
4107	740004.58	4109810.73	1.37E-09	2.49E-09	1.37E-10	4.00E-09	2.12E-10	4.08E-10	2.05E-11	6.41E-10	2.06E-10	3.51E-10	2.61E-11	5.84E-10	1.17E-10	1.94E-10	6.42E-12	3.17E-10
4108	739996.79	4109766.62	1.33E-09	2.43E-09	1.33E-10	3.89E-09	2.06E-10	3.98E-10	2.00E-11	6.24E-10	2.01E-10	3.42E-10	2.54E-11	5.68E-10	1.14E-10	1.89E-10	6.26E-12	3.09E-10
4109	739989	4109722.52	1.31E-09	2.39E-09	1.31E-10	3.83E-09	2.03E-10	3.91E-10	1.96E-11	6.14E-10	1.97E-10	3.37E-10	2.49E-11	5.59E-10	1.12E-10	1.86E-10	6.15E-12	3.04E-10
4110	739981.21	4109678.41	1.30E-09	2.37E-09	1.30E-10	3.79E-09	2.01E-10	3.88E-10	1.95E-11	6.09E-10	1.96E-10	3.34E-10	2.47E-11	5.54E-10	1.11E-10	1.84E-10	6.10E-12	3.01E-10
4111	739977.32	4109656.36	1.30E-09	2.36E-09	1.30E-10	3.79E-09	2.01E-10	3.87E-10	1.94E-11	6.08E-10	1.95E-10	3.33E-10	2.47E-11	5.53E-10	1.11E-10	1.84E-10	6.09E-12	3.01E-10
4112	739969.53	4109612.25	1.29E-09	2.36E-09	1.29E-10	3.78E-09	2.01E-10	3.87E-10	1.94E-11	6.07E-10	1.95E-10	3.33E-10	2.47E-11	5.52E-10	1.11E-10	1.83E-10	6.08E-12	3.00E-10
4113	739978.49	4109571.86	1.31E-09	2.38E-09	1.31E-10	3.82E-09	2.03E-10	3.91E-10	1.96E-11	6.13E-10	1.97E-10	3.36E-10	2.49E-11	5.58E-10	1.12E-10	1.85E-10	6.15E-12	3.04E-10
4114	740004.2	4109535.19	1.33E-09	2.43E-09	1.33E-10	3.90E-09	2.07E-10	3.98E-10	2.00E-11	6.25E-10	2.01E-10	3.43E-10	2.54E-11	5.69E-10	1.14E-10	1.89E-10	6.26E-12	3.09E-10
4115	740017.06	4109516.85	1.34E-09	2.44E-09	1.34E-10	3.92E-09	2.08E-10	4.01E-10	2.01E-11	6.29E-10	2.02E-10	3.45E-10	2.56E-11	5.73E-10	1.15E-10	1.90E-10	6.31E-12	3.12E-10
4116	740042.77	4109480.18	1.35E-09	2.46E-09	1.35E-10	3.94E-09	2.09E-10	4.03E-10	2.03E-11	6.33E-10	2.04E-10	3.47E-10	2.57E-11	5.76E-10	1.16E-10	1.91E-10	6.34E-12	3.13E-10
4117	740055.63	4109461.84	1.35E-09	2.46E-09	1.35E-10	3.94E-09	2.09E-10	4.03E-10	2.02E-11	6.32E-10	2.03E-10	3.47E-10	2.57E-11	5.76E-10	1.16E-10	1.91E-10	6.34E-12	3.13E-10
4118	740081.34	4109425.17	1.33E-09	2.43E-09	1.33E-10	3.89E-09	2.07E-10	3.98E-10	2.00E-11	6.25E-10	2.01E-10	3.43E-10	2.54E-11	5.69E-10	1.14E-10	1.89E-10	6.26E-12	3.09E-10
4119	740094.19	4109406.83	1.32E-09	2.40E-09	1.32E-10	3.85E-09	2.05E-10	3.94E-10	1.98E-11	6.18E-10	1.99E-10	3.39E-10	2.51E-11	5.63E-10	1.13E-10	1.87E-10	6.20E-12	3.06E-10
4120	740119.9	4109370.16	1.28E-09	2.33E-09	1.28E-10	3.74E-09	1.99E-10	3.82E-10	1.92E-11	6.00E-10	1.93E-10	3.29E-10	2.44E-11	5.47E-10	1.10E-10	1.82E-10	6.02E-12	2.97E-10
4121	740132.76	4109351.82	1.26E-09	2.29E-09	1.26E-10	3.67E-09	1.95E-10	3.75E-10	1.89E-11	5.89E-10	1.89E-10	3.23E-10	2.39E-11	5.36E-10	1.08E-10	1.78E-10	5.90E-12	2.92E-10
4122	740158.47	4109315.15	1.20E-09	2.19E-09	1.20E-10	3.51E-09	1.86E-10	3.59E-10	1.80E-11	5.63E-10	1.81E-10	3.09E-10	2.29E-11	5.13E-10	1.03E-10	1.70E-10	5.64E-12	2.79E-10
4123	740171.32	4109296.81	1.17E-09	2.13E-09	1.17E-10	3.42E-09	1.82E-10	3.50E-10	1.76E-11	5.49E-10	1.77E-10	3.01E-10	2.23E-11	5.00E-10	1.00E-10	1.66E-10	5.50E-12	2.72E-10
4124	740197.03	4109260.14	1.11E-09	2.02E-09	1.11E-10	3.24E-09	1.72E-10	3.31E-10	1.66E-11	5.20E-10	1.67E-10	2.85E-10	2.11E-11	4.74E-10	9.51E-11	1.57E-10	5.21E-12	2.58E-10

4125	740209.89	4109241.8	1.08E-09	1.97E-09	1.08E-10	3.15E-09	1.67E-10	3.22E-10	1.62E-11	5.06E-10	1.63E-10	2.77E-10	2.06E-11	4.60E-10	9.24E-11	1.53E-10	5.07E-12	2.50E-10
4126	740235.6	4109205.13	1.02E-09	1.86E-09	1.02E-10	2.98E-09	1.58E-10	3.04E-10	1.53E-11	4.78E-10	1.54E-10	2.62E-10	1.94E-11	4.35E-10	8.73E-11	1.45E-10	4.79E-12	2.37E-10
4127	740248.45	4109186.79	9.91E-10	1.81E-09	9.92E-11	2.90E-09	1.54E-10	2.96E-10	1.49E-11	4.65E-10	1.49E-10	2.55E-10	1.89E-11	4.23E-10	8.49E-11	1.41E-10	4.66E-12	2.30E-10
4128	740274.16	4109150.12	9.37E-10	1.71E-09	9.38E-11	2.74E-09	1.45E-10	2.80E-10	1.41E-11	4.39E-10	1.41E-10	2.41E-10	1.79E-11	4.00E-10	8.03E-11	1.33E-10	4.41E-12	2.18E-10
4129	740299.87	4109113.45	8.88E-10	1.62E-09	8.88E-11	2.59E-09	1.38E-10	2.65E-10	1.33E-11	4.16E-10	1.34E-10	2.28E-10	1.69E-11	3.79E-10	7.61E-11	1.26E-10	4.17E-12	2.06E-10
4130	740312.73	4109095.11	8.64E-10	1.57E-09	8.64E-11	2.52E-09	1.34E-10	2.58E-10	1.30E-11	4.05E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.40E-11	1.22E-10	4.06E-12	2.01E-10
4131	740338.44	4109058.44	8.17E-10	1.49E-09	8.18E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
4132	740351.3	4109040.1	7.95E-10	1.45E-09	7.95E-11	2.32E-09	1.23E-10	2.37E-10	1.19E-11	3.73E-10	1.20E-10	2.04E-10	1.51E-11	3.39E-10	6.81E-11	1.13E-10	3.74E-12	1.85E-10
4133	740377.01	4109003.43	7.51E-10	1.37E-09	7.52E-11	2.20E-09	1.17E-10	2.24E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.21E-10	6.44E-11	1.07E-10	3.53E-12	1.74E-10
4134	740389.86	4108985.09	7.31E-10	1.33E-09	7.31E-11	2.13E-09	1.13E-10	2.18E-10	1.10E-11	3.43E-10	1.10E-10	1.88E-10	1.39E-11	3.12E-10	6.26E-11	1.04E-10	3.43E-12	1.70E-10
4135	740415.57	4108948.42	6.91E-10	1.26E-09	6.92E-11	2.02E-09	1.07E-10	2.07E-10	1.04E-11	3.24E-10	1.04E-10	1.78E-10	1.32E-11	2.95E-10	5.92E-11	9.80E-11	3.25E-12	1.60E-10
4136	740428.43	4108930.08	6.73E-10	1.23E-09	6.74E-11	1.97E-09	1.04E-10	2.01E-10	1.01E-11	3.16E-10	1.02E-10	1.73E-10	1.28E-11	2.88E-10	5.77E-11	9.55E-11	3.16E-12	1.56E-10
4137	740454.14	4108893.41	6.43E-10	1.17E-09	6.43E-11	1.88E-09	9.97E-11	1.92E-10	9.65E-12	3.01E-10	9.70E-11	1.65E-10	1.23E-11	2.75E-10	5.51E-11	9.12E-11	3.02E-12	1.49E-10
4138	740466.99	4108875.07	6.31E-10	1.15E-09	6.31E-11	1.84E-09	9.78E-11	1.88E-10	9.47E-12	2.96E-10	9.51E-11	1.62E-10	1.20E-11	2.69E-10	5.41E-11	8.95E-11	2.96E-12	1.46E-10
4139	740492.7	4108838.4	6.13E-10	1.12E-09	6.13E-11	1.79E-09	9.50E-11	1.83E-10	9.19E-12	2.87E-10	9.24E-11	1.57E-10	1.17E-11	2.62E-10	5.25E-11	8.69E-11	2.88E-12	1.42E-10
4140	740505.56	4108820.06	6.07E-10	1.11E-09	6.07E-11	1.77E-09	9.41E-11	1.81E-10	9.11E-12	2.85E-10	9.15E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.60E-11	2.85E-12	1.41E-10
4141	740531.27	4108783.39	6.01E-10	1.10E-09	6.02E-11	1.76E-09	9.32E-11	1.80E-10	9.02E-12	2.82E-10	9.07E-11	1.55E-10	1.15E-11	2.57E-10	5.15E-11	8.53E-11	2.83E-12	1.40E-10
4142	740544.12	4108765.05	6.01E-10	1.10E-09	6.02E-11	1.76E-09	9.32E-11	1.80E-10	9.02E-12	2.82E-10	9.07E-11	1.55E-10	1.15E-11	2.57E-10	5.15E-11	8.53E-11	2.83E-12	1.40E-10
4143	740569.83	4108728.38	6.05E-10	1.10E-09	6.05E-11	1.77E-09	9.38E-11	1.81E-10	9.08E-12	2.84E-10	9.13E-11	1.56E-10	1.15E-11	2.58E-10	5.19E-11	8.58E-11	2.84E-12	1.40E-10
4144	740582.69	4108710.04	6.08E-10	1.11E-09	6.09E-11	1.78E-09	9.44E-11	1.82E-10	9.13E-12	2.85E-10	9.17E-11	1.56E-10	1.16E-11	2.60E-10	5.21E-11	8.63E-11	2.86E-12	1.41E-10
4145	740608.4	4108673.37	6.16E-10	1.12E-09	6.17E-11	1.80E-09	9.56E-11	1.84E-10	9.25E-12	2.89E-10	9.30E-11	1.58E-10	1.17E-11	2.63E-10	5.28E-11	8.74E-11	2.90E-12	1.43E-10
4146	740634.11	4108636.7	6.24E-10	1.14E-09	6.25E-11	1.82E-09	9.68E-11	1.87E-10	9.37E-12	2.93E-10	9.42E-11	1.61E-10	1.19E-11	2.67E-10	5.35E-11	8.85E-11	2.93E-12	1.45E-10
4147	740646.97	4108618.36	6.28E-10	1.14E-09	6.28E-11	1.84E-09	9.74E-11	1.88E-10	9.43E-12	2.94E-10	9.47E-11	1.61E-10	1.20E-11	2.68E-10	5.38E-11	8.90E-11	2.95E-12	1.46E-10
4148	740672.68	4108581.69	6.32E-10	1.15E-09	6.33E-11	1.85E-09	9.81E-11	1.89E-10	9.49E-12	2.96E-10	9.53E-11	1.63E-10	1.20E-11	2.70E-10	5.42E-11	8.97E-11	2.97E-12	1.47E-10
4149	740685.53	4108563.35	6.33E-10	1.15E-09	6.33E-11	1.85E-09	9.81E-11	1.89E-10	9.50E-12	2.97E-10	9.54E-11	1.63E-10	1.21E-11	2.70E-10	5.42E-11	8.97E-11	2.97E-12	1.47E-10
4150	740711.24	4108526.68	6.31E-10	1.15E-09	6.31E-11	1.84E-09	9.78E-11	1.88E-10	9.47E-12	2.96E-10	9.51E-11	1.62E-10	1.20E-11	2.69E-10	5.40E-11	8.94E-11	2.96E-12	1.46E-10
4151	740724.1	4108508.34	6.28E-10	1.14E-09	6.28E-11	1.83E-09	9.73E-11	1.88E-10	9.42E-12	2.94E-10	9.47E-11	1.61E-10	1.20E-11	2.68E-10	5.38E-11	8.90E-11	2.95E-12	1.46E-10
4152	740749.81	4108471.67	6.18E-10	1.13E-09	6.18E-11	1.81E-09	9.58E-11	1.85E-10	9.27E-12	2.90E-10	9.32E-11	1.59E-10	1.18E-11	2.64E-10	5.29E-11	8.76E-11	2.90E-12	1.43E-10
4153	740762.66	4108453.33	6.11E-10	1.11E-09	6.12E-11	1.79E-09	9.48E-11	1.83E-10	9.17E-12	2.87E-10	9.22E-11	1.57E-10	1.16E-11	2.61E-10	5.24E-11	8.67E-11	2.87E-12	1.42E-10
4154	740788.37	4108416.66	5.94E-10	1.08E-09	5.95E-11	1.74E-09	9.21E-11	1.78E-10	8.92E-12	2.79E-10	8.96E-11	1.53E-10	1.13E-11	2.54E-10	5.09E-11	8.42E-11	2.79E-12	1.38E-10
4155	740218.73	4111023.64	1.31E-09	2.38E-09	1.31E-10	3.81E-09	2.02E-10	3.90E-10	1.96E-11	6.12E-10	1.97E-10	3.36E-10	2.49E-11	5.57E-10	1.12E-10	1.85E-10	6.13E-12	3.03E-10
4156	740242.95	4111061.61	1.32E-09	2.40E-09	1.32E-10	3.85E-09	2.04E-10	3.94E-10	1.98E-11	6.18E-10	1.99E-10	3.39E-10	2.51E-11	5.63E-10	1.13E-10	1.87E-10	6.20E-12	3.06E-10
4157	740255.07	4111080.6	1.32E-09	2.41E-09	1.33E-10	3.87E-09	2.05E-10	3.96E-10	1.99E-11	6.21E-10	2.00E-10	3.40E-10	2.52E-11	5.65E-10	1.13E-10	1.88E-10	6.22E-12	3.07E-10
4158	740267.18	4111099.59	1.33E-09	2.42E-09	1.33E-10	3.89E-09	2.06E-10	3.97E-10	2.00E-11	6.24E-10	2.01E-10	3.42E-10	2.53E-11	5.68E-10	1.14E-10	1.89E-10	6.25E-12	3.09E-10
4159	740279.29	4111118.58	1.33E-09	2.43E-09	1.34E-10	3.90E-09	2.07E-10	3.99E-10	2.00E-11	6.26E-10	2.01E-10	3.43E-10	2.54E-11	5.70E-10	1.14E-10	1.89E-10	6.27E-12	3.10E-10
4160	740291.41	4111137.56	1.34E-09	2.44E-09	1.34E-10	3.91E-09	2.08E-10	4.00E-10	2.01E-11	6.28E-10	2.02E-10	3.44E-10	2.55E-11	5.72E-10	1.15E-10	1.90E-10	6.29E-12	3.11E-10
4161	740303.52	4111156.55	1.34E-09	2.44E-09	1.34E-10	3.92E-09	2.08E-10	4.01E-10	2.01E-11	6.29E-10	2.02E-10	3.45E-10	2.56E-11	5.73E-10	1.15E-10	1.90E-10	6.30E-12	3.11E-10
4162	740315.63	4111175.54	1.34E-09	2.45E-09	1.34E-10	3.92E-09	2.08E-10	4.01E-10	2.01E-11	6.29E-10	2.02E-10	3.45E-10	2.56E-11	5.73E-10	1.15E-10	1.90E-10	6.31E-12	3.12E-10
4163	740327.75	4111194.53	1.34E-09	2.44E-09	1.34E-10	3.92E-09	2.08E-10	4.01E-10	2.01E-11	6.29E-10	2.02E-10	3.45E-10	2.56E-11	5.73E-10	1.15E-10	1.90E-10	6.30E-12	3.11E-10
4164	739877.63	4111216.8	1.00E-09	1.82E-09	1.00E-10	2.93E-09	1.55E-10	2.99E-10	1.50E-11	4.69E-10	1.51E-10	2.57E-10	1.91E-11	4.27E-10	8.58E-11	1.42E-10	4.70E-12	2.32E-10
4165	739869.87	4111172.87	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.71E-10	1.51E-10	2.58E-10	1.91E-11	4.29E-10	8.60E-11	1.42E-10	4.72E-12	2.33E-10
4166	739862.12	4111128.94	1.01E-09	1.83E-09	1.01E-10	2.94E-09	1.56E-10	3.00E-10	1.51E-11	4.72E-10	1.52E-10	2.59E-10	1.92E-11	4.29E-10	8.62E-11	1.43E-10	4.73E-12	2.34E-10
4167	739854.36	4111085.02	1.01E-09	1.83E-09	1.01E-10	2.94E-09	1.56E-10	3.01E-10	1.51E-11	4.72E-10	1.52E-10	2.59E-10	1.92E-11	4.30E-10	8.63E-11	1.43E-10	4.73E-12	2.34E-10
4168	739846.6	4111041.09	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.56E-10	3.01E-10	1.51E-11	4.73E-10	1.52E-10	2.59E-10	1.92E-11	4.30E-10	8.64E-11	1.43E-10	4.74E-12	2.34E-10
4169	739838.85	4110997.16	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.57E-10	3.02E-10	1.52E-11	4.74E-10	1.52E-10	2.60E-10	1.93E-11	4.31E-10	8.66E-11	1.43E-10	4.75E-12	2.35E-10
4170	739831.09	4110953.23	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.53E-11	4.76E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.71E-11	1.44E-10	4.78E-12	2.36E-10
4171	739823.34	4110909.3	1.02E-09	1.87E-09	1.03E-10	2.99E-09	1.59E-10	3.06E-10	1.54E-11	4.80E-10	1.55E-10	2.63E-10	1.95E-11	4.37E-10	8.78E-11	1.45E-10	4.82E-12	2.38E-10
4172	739815.58	4110865.37	1.04E-09	1.89E-09	1.04E-10	3.02E-09	1.61E-10	3.09E-10	1.55E-11	4.85E-10	1.56E-10	2.66E-10	1.97E-11	4.42E-10	8.87E-11	1.47E-10	4.86E-12	2.40E-10
4173	739807.82	4110821.44	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.62E-10	3.12E-10	1.57E-11	4.90E-10	1.58E-10	2.69E-10	1.99E-11	4.46E-10	8.96E-11	1.48E-10	4.91E-12	2.43E-10
4174	739800.07	4110777.51	1.05E-09	1.92E-09	1.06E-10	3.08E-09	1.64E-10	3.15E-10	1.58E-11	4.94E-10	1.59E-10	2.71E-10	2.01E-11	4.50E-10	9.04E-11	1.50E-10	4.96E-12	2.45E-10
4175	739792.31	4110733.58	1.06E-09	1.94E-09	1.06E-10	3.11E-09	1.65E-10	3.17E-10	1.59E-11	4.98E-10	1.60E-10	2.73E-10	2.03E-11	4.54E-10	9.11E-11	1.51E-10	4.99E-12	2.47E-10
4176	739784.55	4110689.65	1.07E-09	1.95E-09	1.07E-10	3.13E-09	1.66E-10	3.20E-10	1.61E-11	5.03E-10	1.62E-10	2.76E-10	2.04E-11	4.58E-10	9.18E-11	1.52E-10	5.04E-12	2.49E-10
4177	739776.8	4110645.72	1.09E-09	1.98E-09	1.09E-10	3.18E-09	1.68E-10	3.25E-10	1.63E-11	5.09E-10	1.64E-10	2.79E-10	2.07E-11	4.64E-10	9.31E-11	1.54E-10	5.11E-12	2.52E-10
4178	739769.04	4110601.79	1.11E-09	2.02E-09	1.11E-10	3.25E-09	1.72E-10	3.32E-10	1.67E-11	5.21E-10	1.68E-10	2.86E-10	2.12E-11	4.74E-10	9.52E-11	1.58E-10	5.22E-12	2.58E-10
4179	739761.29	4110557.86	1.15E-09	2.09E-09	1.15E-10	3.36E-09	1.78E-10	3.43E-10	1.72E-11	5.38E-10	1.73E-10	2.95E-10	2.19E-11	4.90E-10	9.84E-11	1.63E-10	5.40E-12	2.67E-10
4180	739753.53	4110513.93	1.20E-09	2.18E-09	1.20E-10	3.50E-09	1.86E-10	3.58E-10	1.80E-11	5.62E-10	1.81E-10	3.08E-10	2.28E-11	5.12E-10	1.03E-10	1.70E-10	5.63E-12	2.78E-10
4181	739745.77	4110470	1.26E-09	2.29E-09	1.26E-10	3.68E-09	1.95E-10	3.76E-10	1.89E-11	5.90E-10	1.90E-10	3.24E-10	2.40E-11	5.37E-10	1.08E-10	1.78E-10	5.91E-12	2.92E-10
4182	739738.02	4110426.07	1.32E-09	2.41E-09	1.32E-10	3.87E-09	2.05E-10	3.95E-10	1.99E-11	6.20E-10	2.00E-10	3.40E-10	2.52E-11	5.65E-10	1.13E-10	1.88E-10	6.22E-12	3.07E-10
4183	739730.26	4110382.14	1.39E-09	2.52E-09	1.39E-10	4.05E-09	2.15E-10	4.14E-10	2.08E-11	6.49E-10	2.09E-10	3.56E-10	2.64E-11	5.91E-10	1.19E-10	1.96E-10	6.51E-12	3.22E-10
4184	739722.5	4110338.22	1.43E-09	2.61E-09	1.44E-10	4.19E-09	2.22E-10	4.29E-10	2.15E-11	6.72E-10	2.16E-10	3.69E-10	2.73E-11	6.12E-10	1.23E-10	2.03E-10	6.74E-12	3.33E-10
4185	739714.75	4110294.29	1.47E-09	2.67E-09	1.47E-10	4.29E-09	2.27E-10	4.38E-10	2.20E-11	6.88E-10	2.21E-10	3.77E-10	2.79E-11	6.26E-10	1.26E-10	2.08E-10	6.89E-12	3.40E-10
4186	739706.99	4110250.36	1.48E-09	2.69E-09	1.48E-10	4.32E-09	2.29E-10	4.41E-10	2.22E-11	6.93E-10	2.23E-10	3.80E-10	2.81E-11	6.31E-10	1.27E-10	2.09E-10	6.94E-12	3.43E-10
4187	739699.24	4110206.43	1.47E-09	2.67E-09	1.47E-10	4.29E-09	2.27E-10	4.38E-10	2.20E-11	6.88E-10	2.21E-10	3.77E-10	2.80E-11	6.26E-10	1.26E-10	2.08E-10	6.89E-12	3.41E-10
4188	739691.48	4110162.5	1.44E-09	2.62E-09	1.44E-10	4.20E-09	2.23E-10	4.30E-10	2.16E-11	6.74E-10	2.17E-10	3.70E-10	2.74E-11	6.14E-10	1.23E-10	2.04E-10	6.76E-12	3.34E-10
4189	739683.72	4110118.57	1.40E-09	2.55E-09	1.40E-10	4.08E-09	2.17E-10	4.18E-10	2.10E-11	6.55E-10	2.11E-10	3.59E-10	2.66E-11	5.97E-10	1.20E-10	1.98E-10	6.57E-12	3.25E-10
4190	739675.97	4110074.64	1.35E-09	2.46E-09	1.35E-10	3.94E-09	2.09E-10	4.03E-10	2.03E-11	6.33E-10	2.03E-10	3.47E-10	2.57E-11	5.76E-10	1.16E-10	1.91E-10	6.34E-12	3.13E-10
4191	739668.21	4110030.71	1.30E-09	2.36E-09	1.30E-10	3.79E-09	2.01E-10	3.88E-10	1.95E-11	6.08E-10	1.96E-10	3.33E-10	2.47E-11	5.54E-10	1.11E-10	1.84E-10	6.10E-12	3.01E-10
4192	739660.45	4109986.78	1.24E-09	2.27E-09	1.24E-10	3.63E-09	1.93E-10	3.71E-10	1.87E-11	5.83E-10	1.88E-10	3.20E-10	2.37E-11	5.31E-10	1.07E-10	1.76E-10	5.84E-12	2.89E-10
4193	739652.7	4109942.85	1.19E-09	2.17E-09	1.19E-10	3.48E-09	1.85E-10	3.56E-10	1.79E-11	5.59E-10	1.80E-10	3.06E-10	2.27E-11	5.09E-10	1.02E-10	1.69E-10	5.60E-12	2.77E-10
4194	739644.94	4109898.92	1.14E-09	2.08E-09	1.14E-10	3.34E-09	1.77E-10	3.41E-10	1.71E-11	5.35E-10	1.72E-10	2.94E-10	2.18E-11	4.87E-10	9.78E-11	1.62E-10	5.37E-12	2.65E-10
4195	739637.19	4109854.99	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.28E-10	1.65E-11	5.14E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.40E-11	1.56E-10	5.15E-12	2.55E-10
4196	739629.43	4109811.06	1.06E-09	1.93E-09	1.06E-10	3.09E-09	1.64E-10	3.16E-10	1.59E-11	4.96E-10	1.60E-10	2.72E-10	2.02E-11	4.52E-10	9.06E-11	1.50E-10	4.97E-12	2.46E-10
4197	739621.67	4109767.13	1.03E-09	1.87E-09	1.03E-10	3.00E-09	1.59E-10	3.07E-10	1.54E-11	4.81E-10	1.55E-10	2.64E-10	1.96E-11	4.38E-10	8.80E-11	1.46E-10	4.83E-12	2.38E-10
4198	739613.92	4109723.2	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.71E-10	1.51E-10	2.58E-10	1.91E-11	4.29E-10	8.61E-11	1.42E-10	4.72E-12	2.33E-10
4199	739606.16	4109679.27	9.89E-10	1.80E-09	9.90E-11	2.89E-09	1.53E-10	2.96E-10	1.49E-11	4.64E-10	1.49E-10	2.54E-10	1.89E-11	4.22E-10	8.48E-11	1.40E-10	4.65E-12	2.30E-10
4200	739598.4	4109635.35	9.83E-10	1.79E-09	9.84E-11	2.87E-09	1.52E-10	2.94E-10	1.48E-11	4.61E-10	1.48E-10	2.53E-10	1.87E-11	4.20E-10	8.42E-11	1.39E-10	4.62E-12	2.28E-10
4201	739590.65	4109591.42	9.82E-10	1.79E-09	9.82E-11	2.87E-09	1.52E-10	2.93E-10	1.47E-11	4.60E-10	1.48E-10	2.52E-10	1.87E-11	4.19E-10	8.41E-11	1.39E-10	4.61E-12	2.28E-10
4202	739582.89	4109547.49	9.84E-10	1.79E-09	9.85E-11	2.88E-09	1.53E-10	2.94E-10	1.48E-11	4.61E-10	1.48E-10	2.53E-10	1.88E-11	4.20E-10	8.43E-11	1.40E-10	4.62E-12	2.28E-10
4203	739587.94	4109485.29	9.98E-10	1.82E-09	9.98E-11	2.92E-09	1.55E-10	2.98E-10	1.50E-11	4.68E-10	1.50E-10	2.57E-10	1.90E-11	4.26E-10	8.55E-11	1.41E-10	4.69E-12	2.32E-10
4204	739613.55	4109448.77	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.53E-11	4.77E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.71E-11	1.44E-10	4.78E-12	2.36E-10
4205	739639.16	4109412.24	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
4206	739664.76	4109375.71	1.03E-09	1.89E-09	1.04E-10	3.02E-09	1.60E-10	3.09E-10	1.55E-11	4.85E-10	1.56E-10	2.66E-10	1.97E-11	4.42E-10	8.86E-11	1.47E-10	4.86E-12	2.40E-10
4207	739690.37	4109339.19	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.83E-11	1.46E-10	4.84E-12	2.39E-10
4208	739715.98	4109302.66	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.57E-10	3.03E-10	1.52E-11	4.76E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.70E-11	1.44E-10	4.77E-12	2.36E-10
4209	739741.59	4109266.13	9.92E-10	1.81E-09	9.92E-11	2.90E-09	1.54E-10	2.96E-10	1.49E-11	4.65E-10	1.50E-10	2.55E-10	1.89E-11	4.23E-10	8.50E-11	1.41E-10	4.66E-12	2.30E-10
4210	739754.39	4109247.87	9.77E-10	1.78E-09	9.77E-11	2.85E-09	1.51E-10	2.92E-10	1.47E-11	4.58E-10	1.47E-10	2.51E-10	1.86E-11	4.17E-10	8.37E-11	1.39E-10	4.59E-12	2.27E-10
4211	739780	4109211.34	9.42E-10	1.72E-09	9.42E-11	2.75E-09	1.46E-10	2.81E-10	1.41E-11	4.41E-10	1.42E-10	2.42E-10	1.79E-11	4.02E-10	8.07E-11	1.34E-10	4.42E-12	2.19E-10
4212	739805.6	4109174.82	9.01E-10	1.64E-09	9.02E-11	2.63E-09	1.40E-10	2.69E-10	1.35E-11	4.23E-10	1.36E-10	2.32E-10	1.72E-11	3.85E-10	7.72E-11	1.28E-10	4.24E-12	2.09E-10
4213	739831.21	4109138.29	8.59E-10	1.57E-09	8.59E-11	2.51E-09	1.33E-10	2.57E-10	1.29E-11	4.03E-10	1.30E-10	2.21E-10	1.64E-11	3.67E-10	7.36E-11	1.22E-10	4.04E-12	1.99E-10
4214	739856.82	4109101.76	8.16E-10	1.49E-09	8.17E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
4215	739882.43	4109065.24	7.76E-10	1.41E-09	7.77E-11	2.27E-09	1.20E-10	2.32E-10	1.16E-11	3.64E-10	1.17E-10	2.00E-10	1.48E-11	3.31E-10	6.65E-11	1.10E-10	3.65E-12	1.80E-10
4216	739908.04	4109028.71	7.39E-10	1.35E-09	7.40E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.11E-10	1.90E-10	1.41E-11	3.16E-10	6.33E-11	1.05E-10	3.47E-12	1.72E-10
4217	739933.64	4108992.18	7.06E-10	1.29E-09	7.06E-11	2.06E-09	1.09E-10	2.11E-10	1.06E-11	3.31E-10	1.06E-10	1.81E-10	1.34E-11	3.01E-10	6.05E-11	1.00E-10	3.32E-12	1.64E-10
4218	739959.25	4108955.66	6.76E-10	1.23E-09	6.76E-11	1.97E-09	1.05E-10	2.02E-10	1.01E-11	3.17E-10	1.02E-10	1.74E-10	1.29E-11	2.88E-10	5.79E-11	9.58E-11	3.17E-12	1.57E-10
4219	739984.86	4108919.13	6.47E-10	1.18E-09	6.48E-11	1.89E-09	1.00E-10	1.93E-10	9.71E-12	3.03E-10	9.76E-11	1.66E-10	1.23E-11	2.76E-10	5.55E-11	9.18E-11	3.04E-12	1.50E-10
4220	739997.66	4108900.87	6.34E-10	1.15E-09	6.34E-11	1.85E-09	9.83E-11	1.89E-10	9.51E-12	2.97E-10	9.55E-11	1.63E-10	1.21E-11	2.70E-10	5.43E-11	8.98E-11	2.98E-12	1.47E-10

4221	740023.27	4108864.34	6.07E-10	1.11E-09	6.07E-11	1.77E-09	9.41E-11	1.81E-10	9.10E-12	2.84E-10	9.15E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.60E-11	2.85E-12	1.41E-10
4222	740048.88	4108827.81	5.79E-10	1.06E-09	5.79E-11	1.69E-09	8.98E-11	1.73E-10	8.69E-12	2.71E-10	8.73E-11	1.49E-10	1.10E-11	2.47E-10	4.96E-11	8.21E-11	2.72E-12	1.34E-10
4223	740074.49	4108791.29	5.51E-10	1.00E-09	5.52E-11	1.61E-09	8.55E-11	1.65E-10	8.27E-12	2.58E-10	8.31E-11	1.42E-10	1.05E-11	2.35E-10	4.72E-11	7.82E-11	2.59E-12	1.28E-10
4224	740100.09	4108754.76	5.24E-10	9.55E-10	5.25E-11	1.53E-09	8.13E-11	1.57E-10	7.87E-12	2.46E-10	7.91E-11	1.35E-10	9.99E-12	2.24E-10	4.49E-11	7.43E-11	2.46E-12	1.22E-10
4225	740125.7	4108718.23	4.99E-10	9.10E-10	5.00E-11	1.46E-09	7.74E-11	1.49E-10	7.50E-12	2.34E-10	7.53E-11	1.28E-10	9.52E-12	2.13E-10	4.28E-11	7.08E-11	2.35E-12	1.16E-10
4226	740151.31	4108681.71	4.78E-10	8.71E-10	4.78E-11	1.40E-09	7.41E-11	1.43E-10	7.18E-12	2.24E-10	7.21E-11	1.23E-10	9.11E-12	2.04E-10	4.10E-11	6.78E-11	2.25E-12	1.11E-10
4227	740176.92	4108645.18	4.62E-10	8.42E-10	4.62E-11	1.35E-09	7.17E-11	1.38E-10	6.94E-12	2.17E-10	6.97E-11	1.19E-10	8.81E-12	1.97E-10	3.96E-11	6.55E-11	2.17E-12	1.07E-10
4228	740202.52	4108608.65	4.52E-10	8.23E-10	4.52E-11	1.32E-09	7.01E-11	1.35E-10	6.78E-12	2.12E-10	6.81E-11	1.16E-10	8.61E-12	1.93E-10	3.87E-11	6.41E-11	2.12E-12	1.05E-10
4229	740228.13	4108572.13	4.47E-10	8.15E-10	4.47E-11	1.31E-09	6.93E-11	1.34E-10	6.71E-12	2.10E-10	6.74E-11	1.15E-10	8.52E-12	1.91E-10	3.83E-11	6.34E-11	2.10E-12	1.04E-10
4230	740240.93	4108553.86	4.47E-10	8.14E-10	4.47E-11	1.31E-09	6.93E-11	1.33E-10	6.71E-12	2.09E-10	6.74E-11	1.15E-10	8.51E-12	1.91E-10	3.83E-11	6.33E-11	2.10E-12	1.04E-10
4231	740266.54	4108517.34	4.49E-10	8.18E-10	4.49E-11	1.31E-09	6.96E-11	1.34E-10	6.74E-12	2.11E-10	6.77E-11	1.15E-10	8.56E-12	1.92E-10	3.85E-11	6.37E-11	2.11E-12	1.04E-10
4232	740292.15	4108480.81	4.55E-10	8.28E-10	4.55E-11	1.33E-09	7.05E-11	1.36E-10	6.82E-12	2.13E-10	6.85E-11	1.17E-10	8.66E-12	1.94E-10	3.89E-11	6.44E-11	2.14E-12	1.06E-10
4233	740317.76	4108444.28	4.62E-10	8.41E-10	4.62E-11	1.35E-09	7.16E-11	1.38E-10	6.93E-12	2.16E-10	6.96E-11	1.19E-10	8.80E-12	1.97E-10	3.96E-11	6.54E-11	2.17E-12	1.07E-10
4234	740343.37	4108407.76	4.69E-10	8.55E-10	4.69E-11	1.37E-09	7.27E-11	1.40E-10	7.04E-12	2.20E-10	7.07E-11	1.21E-10	8.94E-12	2.00E-10	4.02E-11	6.65E-11	2.20E-12	1.09E-10
4235	740368.97	4108371.23	4.76E-10	8.66E-10	4.76E-11	1.39E-09	7.37E-11	1.42E-10	7.14E-12	2.23E-10	7.17E-11	1.22E-10	9.06E-12	2.03E-10	4.07E-11	6.74E-11	2.23E-12	1.10E-10
4236	740394.58	4108334.7	4.80E-10	8.75E-10	4.80E-11	1.40E-09	7.45E-11	1.43E-10	7.21E-12	2.25E-10	7.24E-11	1.23E-10	9.15E-12	2.05E-10	4.11E-11	6.81E-11	2.26E-12	1.11E-10
4237	740420.19	4108298.18	4.83E-10	8.80E-10	4.83E-11	1.41E-09	7.49E-11	1.44E-10	7.24E-12	2.26E-10	7.28E-11	1.24E-10	9.20E-12	2.06E-10	4.14E-11	6.84E-11	2.27E-12	1.12E-10
4238	740445.8	4108261.65	4.83E-10	8.80E-10	4.83E-11	1.41E-09	7.49E-11	1.44E-10	7.24E-12	2.26E-10	7.28E-11	1.24E-10	9.20E-12	2.06E-10	4.14E-11	6.84E-11	2.27E-12	1.12E-10
4239	740471.4	4108225.12	4.80E-10	8.75E-10	4.80E-11	1.40E-09	7.44E-11	1.43E-10	7.20E-12	2.25E-10	7.24E-11	1.23E-10	9.15E-12	2.05E-10	4.11E-11	6.81E-11	2.26E-12	1.11E-10
4240	740497.01	4108188.6	4.75E-10	8.65E-10	4.75E-11	1.39E-09	7.36E-11	1.42E-10	7.12E-12	2.23E-10	7.16E-11	1.22E-10	9.04E-12	2.03E-10	4.07E-11	6.73E-11	2.23E-12	1.10E-10
4241	740522.62	4108152.07	4.67E-10	8.51E-10	4.67E-11	1.36E-09	7.24E-11	1.39E-10	7.01E-12	2.19E-10	7.04E-11	1.20E-10	8.89E-12	1.99E-10	4.00E-11	6.62E-11	2.19E-12	1.08E-10
4242	740548.23	4108115.54	4.56E-10	8.31E-10	4.57E-11	1.33E-09	7.08E-11	1.36E-10	6.85E-12	2.14E-10	6.88E-11	1.17E-10	8.69E-12	1.95E-10	3.91E-11	6.47E-11	2.14E-12	1.06E-10
4243	739893.62	4111257.76	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.70E-10	1.51E-10	2.58E-10	1.91E-11	4.28E-10	8.59E-11	1.42E-10	4.71E-12	2.33E-10
4244	739905.73	4111276.74	1.01E-09	1.83E-09	1.01E-10	2.94E-09	1.56E-10	3.01E-10	1.51E-11	4.72E-10	1.52E-10	2.59E-10	1.92E-11	4.30E-10	8.63E-11	1.43E-10	4.73E-12	2.34E-10
4245	739917.85	4111295.73	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.57E-10	3.02E-10	1.52E-11	4.74E-10	1.52E-10	2.60E-10	1.93E-11	4.31E-10	8.66E-11	1.43E-10	4.75E-12	2.35E-10
4246	739929.96	4111314.72	1.01E-09	1.85E-09	1.01E-10	2.96E-09	1.57E-10	3.03E-10	1.52E-11	4.76E-10	1.53E-10	2.61E-10	1.93E-11	4.33E-10	8.69E-11	1.44E-10	4.77E-12	2.36E-10
4247	739942.07	4111333.71	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.53E-11	4.77E-10	1.53E-10	2.62E-10	1.94E-11	4.34E-10	8.72E-11	1.44E-10	4.78E-12	2.36E-10
4248	739954.19	4111352.69	1.02E-09	1.86E-09	1.02E-10	2.98E-09	1.58E-10	3.05E-10	1.53E-11	4.79E-10	1.54E-10	2.62E-10	1.95E-11	4.36E-10	8.75E-11	1.45E-10	4.80E-12	2.37E-10
4249	739966.3	4111371.68	1.02E-09	1.86E-09	1.02E-10	2.99E-09	1.59E-10	3.06E-10	1.54E-11	4.80E-10	1.54E-10	2.63E-10	1.95E-11	4.37E-10	8.77E-11	1.45E-10	4.81E-12	2.38E-10
4250	739978.41	4111390.67	1.02E-09	1.87E-09	1.03E-10	2.99E-09	1.59E-10	3.06E-10	1.54E-11	4.80E-10	1.54E-10	2.63E-10	1.95E-11	4.37E-10	8.78E-11	1.45E-10	4.81E-12	2.38E-10
4251	739990.53	4111409.66	1.02E-09	1.87E-09	1.03E-10	2.99E-09	1.59E-10	3.06E-10	1.54E-11	4.80E-10	1.55E-10	2.63E-10	1.95E-11	4.38E-10	8.78E-11	1.45E-10	4.82E-12	2.38E-10
4252	739540.38	4111431.76	8.00E-10	1.46E-09	8.00E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.21E-10	2.06E-10	1.52E-11	3.42E-10	6.86E-11	1.13E-10	3.76E-12	1.86E-10
4253	739536.47	4111409.62	8.01E-10	1.46E-09	8.02E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.76E-10	1.21E-10	2.06E-10	1.53E-11	3.42E-10	6.87E-11	1.14E-10	3.77E-12	1.86E-10
4254	739528.65	4111365.34	8.04E-10	1.47E-09	8.05E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.77E-10	1.21E-10	2.07E-10	1.53E-11	3.43E-10	6.89E-11	1.14E-10	3.78E-12	1.87E-10
4255	739520.83	4111321.05	8.06E-10	1.47E-09	8.06E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.91E-11	1.14E-10	3.79E-12	1.87E-10
4256	739513.01	4111276.77	8.07E-10	1.47E-09	8.07E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.91E-11	1.14E-10	3.79E-12	1.87E-10
4257	739505.19	4111232.49	8.07E-10	1.47E-09	8.07E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.91E-11	1.14E-10	3.79E-12	1.87E-10
4258	739501.28	4111210.35	8.07E-10	1.47E-09	8.07E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.91E-11	1.14E-10	3.79E-12	1.87E-10
4259	739493.46	4111166.06	8.08E-10	1.47E-09	8.09E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.79E-10	1.22E-10	2.08E-10	1.54E-11	3.45E-10	6.92E-11	1.15E-10	3.80E-12	1.88E-10
4260	739485.65	4111121.78	8.11E-10	1.48E-09	8.12E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.09E-10	1.55E-11	3.46E-10	6.95E-11	1.15E-10	3.81E-12	1.88E-10
4261	739477.83	4111077.5	8.16E-10	1.49E-09	8.17E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
4262	739473.92	4111055.36	8.20E-10	1.49E-09	8.20E-11	2.40E-09	1.27E-10	2.45E-10	1.23E-11	3.84E-10	1.24E-10	2.11E-10	1.56E-11	3.50E-10	7.02E-11	1.16E-10	3.85E-12	1.90E-10
4263	739466.1	4111011.08	8.27E-10	1.51E-09	8.28E-11	2.42E-09	1.28E-10	2.47E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.53E-10	7.09E-11	1.17E-10	3.89E-12	1.92E-10
4264	739458.28	4110966.79	8.35E-10	1.52E-09	8.36E-11	2.44E-09	1.30E-10	2.50E-10	1.25E-11	3.92E-10	1.26E-10	2.15E-10	1.59E-11	3.57E-10	7.16E-11	1.18E-10	3.93E-12	1.94E-10
4265	739450.46	4110922.51	8.42E-10	1.53E-09	8.43E-11	2.46E-09	1.31E-10	2.52E-10	1.26E-11	3.95E-10	1.27E-10	2.16E-10	1.60E-11	3.60E-10	7.22E-11	1.19E-10	3.96E-12	1.96E-10
4266	739446.55	4110900.37	8.45E-10	1.54E-09	8.46E-11	2.47E-09	1.31E-10	2.52E-10	1.27E-11	3.96E-10	1.27E-10	2.17E-10	1.61E-11	3.61E-10	7.24E-11	1.20E-10	3.97E-12	1.96E-10
4267	739438.74	4110856.09	8.50E-10	1.55E-09	8.50E-11	2.48E-09	1.32E-10	2.54E-10	1.28E-11	3.98E-10	1.28E-10	2.18E-10	1.62E-11	3.63E-10	7.28E-11	1.20E-10	3.99E-12	1.97E-10
4268	739430.92	4110811.81	8.54E-10	1.56E-09	8.55E-11	2.50E-09	1.32E-10	2.55E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.32E-11	1.21E-10	4.01E-12	1.98E-10
4269	739423.1	4110767.52	8.61E-10	1.57E-09	8.62E-11	2.52E-09	1.34E-10	2.57E-10	1.29E-11	4.04E-10	1.30E-10	2.21E-10	1.64E-11	3.68E-10	7.38E-11	1.22E-10	4.05E-12	2.00E-10
4270	739415.28	4110723.24	8.73E-10	1.59E-09	8.74E-11	2.55E-09	1.35E-10	2.61E-10	1.31E-11	4.09E-10	1.32E-10	2.24E-10	1.66E-11	3.73E-10	7.48E-11	1.24E-10	4.10E-12	2.03E-10
4271	739411.37	4110701.1	8.82E-10	1.61E-09	8.83E-11	2.58E-09	1.37E-10	2.64E-10	1.32E-11	4.14E-10	1.33E-10	2.27E-10	1.68E-11	3.77E-10	7.56E-11	1.25E-10	4.15E-12	2.05E-10
4272	739403.55	4110656.82	9.06E-10	1.65E-09	9.06E-11	2.65E-09	1.40E-10	2.71E-10	1.36E-11	4.25E-10	1.37E-10	2.33E-10	1.73E-11	3.87E-10	7.76E-11	1.28E-10	4.26E-12	2.10E-10
4273	739395.73	4110612.54	9.39E-10	1.71E-09	9.39E-11	2.74E-09	1.46E-10	2.80E-10	1.41E-11	4.40E-10	1.42E-10	2.41E-10	1.79E-11	4.01E-10	8.04E-11	1.33E-10	4.41E-12	2.18E-10
4274	739387.91	4110568.25	9.80E-10	1.79E-09	9.80E-11	2.86E-09	1.52E-10	2.93E-10	1.47E-11	4.59E-10	1.48E-10	2.52E-10	1.87E-11	4.18E-10	8.39E-11	1.39E-10	4.60E-12	2.27E-10
4275	739384.01	4110546.11	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.55E-10	3.00E-10	1.50E-11	4.70E-10	1.51E-10	2.58E-10	1.91E-11	4.28E-10	8.59E-11	1.42E-10	4.71E-12	2.33E-10
4276	739376.19	4110501.83	1.05E-09	1.91E-09	1.05E-10	3.07E-09	1.63E-10	3.14E-10	1.58E-11	4.92E-10	1.58E-10	2.70E-10	2.00E-11	4.48E-10	9.00E-11	1.49E-10	4.93E-12	2.44E-10
4277	739368.37	4110457.55	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.28E-10	1.65E-11	5.14E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.40E-11	1.56E-10	5.15E-12	2.55E-10
4278	739360.55	4110413.27	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.40E-10	1.71E-11	5.33E-10	1.72E-10	2.92E-10	2.17E-11	4.86E-10	9.75E-11	1.61E-10	5.35E-12	2.64E-10
4279	739356.64	4110391.12	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.45E-10	1.73E-11	5.41E-10	1.74E-10	2.97E-10	2.20E-11	4.93E-10	9.89E-11	1.64E-10	5.42E-12	2.68E-10
4280	739348.82	4110346.84	1.18E-09	2.15E-09	1.18E-10	3.44E-09	1.83E-10	3.52E-10	1.77E-11	5.52E-10	1.78E-10	3.03E-10	2.25E-11	5.03E-10	1.01E-10	1.67E-10	5.54E-12	2.74E-10
4281	739341	4110302.56	1.19E-09	2.16E-09	1.19E-10	3.47E-09	1.84E-10	3.55E-10	1.78E-11	5.57E-10	1.79E-10	3.05E-10	2.26E-11	5.07E-10	1.02E-10	1.68E-10	5.58E-12	2.76E-10
4282	739333.18	4110258.28	1.18E-09	2.15E-09	1.18E-10	3.46E-09	1.83E-10	3.53E-10	1.77E-11	5.54E-10	1.78E-10	3.04E-10	2.25E-11	5.05E-10	1.01E-10	1.68E-10	5.56E-12	2.75E-10
4283	739325.37	4110213.99	1.17E-09	2.12E-09	1.17E-10	3.40E-09	1.81E-10	3.48E-10	1.75E-11	5.46E-10	1.76E-10	3.00E-10	2.22E-11	4.97E-10	9.98E-11	1.65E-10	5.48E-12	2.71E-10
4284	739321.46	4110191.85	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.44E-10	1.73E-11	5.40E-10	1.74E-10	2.96E-10	2.20E-11	4.92E-10	9.87E-11	1.63E-10	5.41E-12	2.67E-10
4285	739313.64	4110147.57	1.12E-09	2.04E-09	1.12E-10	3.28E-09	1.74E-10	3.35E-10	1.68E-11	5.26E-10	1.69E-10	2.88E-10	2.14E-11	4.79E-10	9.61E-11	1.59E-10	5.27E-12	2.60E-10
4286	739305.82	4110103.29	1.09E-09	1.98E-09	1.09E-10	3.17E-09	1.68E-10	3.25E-10	1.63E-11	5.09E-10	1.64E-10	2.79E-10	2.07E-11	4.64E-10	9.31E-11	1.54E-10	5.10E-12	2.52E-10
4287	739298	4110059.01	1.05E-09	1.91E-09	1.05E-10	3.06E-09	1.63E-10	3.13E-10	1.57E-11	4.92E-10	1.58E-10	2.70E-10	2.00E-11	4.48E-10	8.99E-11	1.49E-10	4.93E-12	2.43E-10
4288	739294.09	4110036.87	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
4289	739286.27	4109992.58	9.92E-10	1.81E-09	9.92E-11	2.90E-09	1.54E-10	2.96E-10	1.49E-11	4.65E-10	1.50E-10	2.55E-10	1.89E-11	4.23E-10	8.50E-11	1.41E-10	4.66E-12	2.30E-10
4290	739278.46	4109948.3	9.55E-10	1.74E-09	9.55E-11	2.79E-09	1.48E-10	2.85E-10	1.43E-11	4.48E-10	1.44E-10	2.45E-10	1.82E-11	4.07E-10	8.18E-11	1.35E-10	4.49E-12	2.22E-10
4291	739270.64	4109904.02	9.19E-10	1.67E-09	9.19E-11	2.68E-09	1.42E-10	2.74E-10	1.38E-11	4.31E-10	1.39E-10	2.36E-10	1.75E-11	3.92E-10	7.87E-11	1.30E-10	4.32E-12	2.13E-10
4292	739262.82	4109859.74	8.85E-10	1.61E-09	8.86E-11	2.59E-09	1.37E-10	2.64E-10	1.33E-11	4.15E-10	1.33E-10	2.28E-10	1.69E-11	3.78E-10	7.58E-11	1.25E-10	4.16E-12	2.05E-10
4293	739258.91	4109837.6	8.69E-10	1.58E-09	8.70E-11	2.54E-09	1.35E-10	2.60E-10	1.30E-11	4.07E-10	1.31E-10	2.23E-10	1.66E-11	3.71E-10	7.45E-11	1.23E-10	4.08E-12	2.02E-10
4294	739251.09	4109793.31	8.41E-10	1.53E-09	8.41E-11	2.46E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.20E-11	1.19E-10	3.95E-12	1.95E-10
4295	739243.27	4109749.03	8.17E-10	1.49E-09	8.17E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
4296	739235.45	4109704.75	7.99E-10	1.46E-09	7.99E-11	2.33E-09	1.24E-10	2.39E-10	1.20E-11	3.74E-10	1.20E-10	2.05E-10	1.52E-11	3.41E-10	6.84E-11	1.13E-10	3.75E-12	1.85E-10
4297	739231.54	4109682.61	7.92E-10	1.44E-09	7.92E-11	2.31E-09	1.23E-10	2.36E-10	1.19E-11	3.71E-10	1.19E-10	2.03E-10	1.51E-11	3.38E-10	6.78E-11	1.12E-10	3.72E-12	1.84E-10
4298	739223.73	4109638.32	7.81E-10	1.42E-09	7.82E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.66E-10	1.18E-10	2.01E-10	1.49E-11	3.34E-10	6.70E-11	1.11E-10	3.67E-12	1.81E-10
4299	739215.91	4109594.04	7.77E-10	1.42E-09	7.77E-11	2.27E-09	1.20E-10	2.32E-10	1.17E-11	3.64E-10	1.17E-10	2.00E-10	1.48E-11	3.32E-10	6.65E-11	1.10E-10	3.65E-12	1.80E-10
4300	739208.09	4109549.76	7.76E-10	1.41E-09	7.76E-11	2.27E-09	1.20E-10	2.32E-10	1.16E-11	3.64E-10	1.17E-10	1.99E-10	1.48E-11	3.31E-10	6.65E-11	1.10E-10	3.65E-12	1.80E-10
4301	739204.18	4109527.62	7.77E-10	1.42E-09	7.77E-11	2.27E-09	1.20E-10	2.32E-10	1.17E-11	3.64E-10	1.17E-10	2.00E-10	1.48E-11	3.32E-10	6.66E-11	1.10E-10	3.65E-12	1.80E-10
4302	739196.36	4109483.34	7.80E-10	1.42E-09	7.81E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.66E-10	1.18E-10	2.01E-10	1.49E-11	3.33E-10	6.69E-11	1.11E-10	3.67E-12	1.81E-10
4303	739188.54	4109439.05	7.84E-10	1.43E-09	7.85E-11	2.29E-09	1.22E-10	2.34E-10	1.18E-11	3.68E-10	1.18E-10	2.02E-10	1.49E-11	3.35E-10	6.72E-11	1.11E-10	3.69E-12	1.82E-10
4304	739197.54	4109398.5	7.94E-10	1.45E-09	7.95E-11	2.32E-09	1.23E-10	2.37E-10	1.19E-11	3.72E-10	1.20E-10	2.04E-10	1.51E-11	3.39E-10	6.81E-11	1.13E-10	3.73E-12	1.84E-10
4305	739210.45	4109380.09	8.02E-10	1.46E-09	8.02E-11	2.34E-09	1.24E-10	2.40E-10	1.20E-11	3.76E-10	1.21E-10	2.06E-10	1.53E-11	3.42E-10	6.87E-11	1.14E-10	3.77E-12	1.86E-10
4306	739236.26	4109343.27	8.15E-10	1.48E-09	8.15E-11	2.38E-09	1.26E-10	2.43E-10	1.22E-11	3.82E-10	1.23E-10	2.09E-10	1.55E-11	3.48E-10	6.98E-11	1.15E-10	3.83E-12	1.89E-10
4307	739249.17	4109324.86	8.19E-10	1.49E-09	8.20E-11	2.39E-09	1.27E-10	2.45E-10	1.23E-11	3.84E-10	1.24E-10	2.11E-10	1.56E-11	3.50E-10	7.02E-11	1.16E-10	3.85E-12	1.90E-10
4308	739274.98	4109288.04	8.25E-10	1.50E-09	8.25E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.87E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.07E-11	1.17E-10	3.88E-12	1.91E-10
4309	739300.79	4109251.22	8.24E-10	1.50E-09	8.24E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.86E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.06E-11	1.17E-10	3.87E-12	1.91E-10
4310	739313.7	4109232.81	8.21E-10	1.50E-09	8.21E-11	2.40E-09	1.27E-10	2.45E-10	1.23E-11	3.85E-10	1.24E-10	2.11E-10	1.56E-11	3.51E-10	7.04E-11	1.16E-10	3.86E-12	1.91E-10
4311	739339.51	4109195.99	8.11E-10	1.48E-09	8.11E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.08E-10	1.54E-11	3.46E-10	6.95E-11	1.15E-10	3.81E-12	1.88E-10
4312	739352.42	4109177.58	8.03E-10	1.46E-09	8.03E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.76E-10	1.21E-10	2.06E-10	1.53E-11	3.43E-10	6.88E-11	1.14E-10	3.77E-12	1.86E-10
4313	739378.23	4109140.76	7.84E-10	1.43E-09	7.84E-11	2.29E-09	1.22E-10	2.34E-10	1.18E-11	3.67E-10	1.18E-10	2.01E-10	1.49E-11	3.35E-10	6.71E-11	1.11E-10	3.68E-12	1.82E-10
4314	739391.14	4109122.35	7.72E-10	1.41E-09	7.73E-11	2.26E-09	1.20E-10	2.31E-10	1.16E-11	3.62E-10	1.16E-10	1.98E-10	1.47E-11	3.30E-10	6.62E-11	1.09E-10	3.63E-12	1.79E-10
4315	739416.95	4109085.53	7.46E-10	1.36E-09	7.47E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.13E-10	1.92E-10	1.42E-11	3.19E-10	6.39E-11	1.06E-10	3.51E-12	1.73E-10
4316	739429.86	4109067.12	7.32E-10	1.33E-09	7.32E-11	2.14E-09	1.13E-10	2.19E-10	1.10E-11	3.43E-10	1.10E-10	1.88E-10	1.39E-11	3.12E-10	6.27E-11	1.04E-10	3.44E-12	1.70E-10

4317	739455.67	4109030.3	7.02E-10	1.28E-09	7.02E-11	2.05E-09	1.09E-10	2.10E-10	1.05E-11	3.29E-10	1.06E-10	1.80E-10	1.34E-11	3.00E-10	6.01E-11	9.95E-11	3.30E-12	1.63E-10
4318	739481.49	4108993.48	6.71E-10	1.22E-09	6.71E-11	1.96E-09	1.04E-10	2.00E-10	1.01E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.75E-11	9.51E-11	3.15E-12	1.56E-10
4319	739494.39	4108975.07	6.55E-10	1.19E-09	6.55E-11	1.91E-09	1.02E-10	1.96E-10	9.83E-12	3.07E-10	9.88E-11	1.68E-10	1.25E-11	2.80E-10	5.61E-11	9.29E-11	3.08E-12	1.52E-10
4320	739520.21	4108938.25	6.25E-10	1.14E-09	6.25E-11	1.83E-09	9.69E-11	1.87E-10	9.38E-12	2.93E-10	9.42E-11	1.61E-10	1.19E-11	2.67E-10	5.35E-11	8.86E-11	2.94E-12	1.45E-10
4321	739533.11	4108919.84	6.11E-10	1.11E-09	6.11E-11	1.78E-09	9.47E-11	1.82E-10	9.17E-12	2.86E-10	9.21E-11	1.57E-10	1.16E-11	2.61E-10	5.23E-11	8.66E-11	2.87E-12	1.42E-10
4322	739558.93	4108883.02	5.85E-10	1.07E-09	5.85E-11	1.71E-09	9.07E-11	1.75E-10	8.78E-12	2.74E-10	8.82E-11	1.50E-10	1.11E-11	2.50E-10	5.01E-11	8.29E-11	2.75E-12	1.36E-10
4323	739571.83	4108864.61	5.73E-10	1.04E-09	5.73E-11	1.67E-09	8.88E-11	1.71E-10	8.59E-12	2.68E-10	8.63E-11	1.47E-10	1.09E-11	2.44E-10	4.91E-11	8.12E-11	2.69E-12	1.33E-10
4324	739597.65	4108827.79	5.51E-10	1.00E-09	5.51E-11	1.61E-09	8.54E-11	1.65E-10	8.27E-12	2.58E-10	8.31E-11	1.42E-10	1.05E-11	2.35E-10	4.72E-11	7.81E-11	2.59E-12	1.28E-10
4325	739623.46	4108790.97	5.31E-10	9.68E-10	5.31E-11	1.55E-09	8.24E-11	1.59E-10	7.97E-12	2.49E-10	8.01E-11	1.37E-10	1.01E-11	2.27E-10	4.55E-11	7.53E-11	2.50E-12	1.23E-10
4326	739636.37	4108772.56	5.22E-10	9.51E-10	5.22E-11	1.53E-09	8.10E-11	1.56E-10	7.84E-12	2.45E-10	7.87E-11	1.34E-10	9.95E-12	2.23E-10	4.47E-11	7.40E-11	2.45E-12	1.21E-10
4327	739662.18	4108735.74	5.05E-10	9.20E-10	5.05E-11	1.47E-09	7.83E-11	1.51E-10	7.58E-12	2.37E-10	7.61E-11	1.30E-10	9.62E-12	2.15E-10	4.32E-11	7.16E-11	2.37E-12	1.17E-10
4328	739675.09	4108717.33	4.96E-10	9.04E-10	4.96E-11	1.45E-09	7.69E-11	1.48E-10	7.44E-12	2.33E-10	7.48E-11	1.27E-10	9.45E-12	2.12E-10	4.25E-11	7.03E-11	2.33E-12	1.15E-10
4329	739700.9	4108680.51	4.78E-10	8.72E-10	4.79E-11	1.40E-09	7.42E-11	1.43E-10	7.18E-12	2.24E-10	7.21E-11	1.23E-10	9.12E-12	2.04E-10	4.10E-11	6.78E-11	2.25E-12	1.11E-10
4330	739713.81	4108662.1	4.69E-10	8.55E-10	4.69E-11	1.37E-09	7.28E-11	1.40E-10	7.04E-12	2.20E-10	7.08E-11	1.21E-10	8.94E-12	2.00E-10	4.02E-11	6.65E-11	2.20E-12	1.09E-10
4331	739739.62	4108625.28	4.50E-10	8.20E-10	4.50E-11	1.32E-09	6.98E-11	1.34E-10	6.76E-12	2.11E-10	6.79E-11	1.16E-10	8.58E-12	1.92E-10	3.86E-11	6.38E-11	2.12E-12	1.05E-10
4332	739752.53	4108606.87	4.41E-10	8.03E-10	4.41E-11	1.29E-09	6.83E-11	1.32E-10	6.61E-12	2.07E-10	6.64E-11	1.13E-10	8.40E-12	1.88E-10	3.78E-11	6.25E-11	2.07E-12	1.02E-10
4333	739778.34	4108570.05	4.21E-10	7.66E-10	4.21E-11	1.23E-09	6.52E-11	1.26E-10	6.31E-12	1.97E-10	6.34E-11	1.08E-10	8.01E-12	1.80E-10	3.60E-11	5.96E-11	1.98E-12	9.76E-11
4334	739804.15	4108533.23	4.01E-10	7.31E-10	4.02E-11	1.17E-09	6.22E-11	1.20E-10	6.02E-12	1.88E-10	6.05E-11	1.03E-10	7.65E-12	1.71E-10	3.44E-11	5.69E-11	1.89E-12	9.32E-11
4335	739817.06	4108514.82	3.92E-10	7.14E-10	3.92E-11	1.15E-09	6.08E-11	1.17E-10	5.88E-12	1.84E-10	5.91E-11	1.01E-10	7.47E-12	1.67E-10	3.36E-11	5.56E-11	1.84E-12	9.10E-11
4336	739842.87	4108478	3.76E-10	6.85E-10	3.76E-11	1.10E-09	5.83E-11	1.12E-10	5.64E-12	1.76E-10	5.67E-11	9.66E-11	7.16E-12	1.60E-10	3.22E-11	5.33E-11	1.77E-12	8.73E-11
4337	739855.78	4108459.59	3.69E-10	6.72E-10	3.69E-11	1.08E-09	5.72E-11	1.10E-10	5.54E-12	1.73E-10	5.56E-11	9.48E-11	7.03E-12	1.57E-10	3.16E-11	5.23E-11	1.73E-12	8.56E-11
4338	739881.59	4108422.77	3.58E-10	6.52E-10	3.58E-11	1.04E-09	5.55E-11	1.07E-10	5.37E-12	1.68E-10	5.39E-11	9.19E-11	6.81E-12	1.53E-10	3.06E-11	5.07E-11	1.68E-12	8.30E-11
4339	739894.5	4108404.36	3.54E-10	6.44E-10	3.54E-11	1.03E-09	5.48E-11	1.06E-10	5.31E-12	1.66E-10	5.33E-11	9.09E-11	6.74E-12	1.51E-10	3.03E-11	5.01E-11	1.66E-12	8.21E-11
4340	739920.31	4108367.54	3.49E-10	6.35E-10	3.49E-11	1.02E-09	5.41E-11	1.04E-10	5.23E-12	1.63E-10	5.26E-11	8.96E-11	6.64E-12	1.49E-10	2.99E-11	4.94E-11	1.64E-12	8.10E-11
4341	739946.13	4108330.72	3.48E-10	6.33E-10	3.48E-11	1.02E-09	5.39E-11	1.04E-10	5.22E-12	1.63E-10	5.24E-11	8.94E-11	6.62E-12	1.48E-10	2.98E-11	4.93E-11	1.63E-12	8.07E-11
4342	739959.03	4108312.31	3.48E-10	6.35E-10	3.49E-11	1.02E-09	5.40E-11	1.04E-10	5.23E-12	1.63E-10	5.25E-11	8.96E-11	6.64E-12	1.49E-10	2.99E-11	4.94E-11	1.64E-12	8.09E-11
4343	739984.85	4108275.49	3.52E-10	6.42E-10	3.52E-11	1.03E-09	5.46E-11	1.05E-10	5.28E-12	1.65E-10	5.31E-11	9.05E-11	6.71E-12	1.50E-10	3.02E-11	4.99E-11	1.65E-12	8.18E-11
4344	739997.75	4108257.08	3.55E-10	6.46E-10	3.55E-11	1.04E-09	5.50E-11	1.06E-10	5.32E-12	1.66E-10	5.35E-11	9.11E-11	6.76E-12	1.51E-10	3.04E-11	5.03E-11	1.67E-12	8.23E-11
4345	740023.57	4108220.26	3.60E-10	6.57E-10	3.61E-11	1.05E-09	5.59E-11	1.08E-10	5.41E-12	1.69E-10	5.44E-11	9.27E-11	6.87E-12	1.54E-10	3.09E-11	5.11E-11	1.69E-12	8.37E-11
4346	740036.47	4108201.85	3.64E-10	6.63E-10	3.64E-11	1.06E-09	5.64E-11	1.09E-10	5.46E-12	1.70E-10	5.48E-11	9.35E-11	6.93E-12	1.55E-10	3.12E-11	5.16E-11	1.71E-12	8.44E-11
4347	740062.29	4108165.03	3.70E-10	6.74E-10	3.70E-11	1.08E-09	5.73E-11	1.10E-10	5.55E-12	1.73E-10	5.58E-11	9.51E-11	7.05E-12	1.58E-10	3.17E-11	5.24E-11	1.74E-12	8.59E-11
4348	740075.19	4108146.62	3.73E-10	6.79E-10	3.73E-11	1.09E-09	5.78E-11	1.11E-10	5.59E-12	1.75E-10	5.62E-11	9.58E-11	7.10E-12	1.59E-10	3.19E-11	5.28E-11	1.75E-12	8.65E-11
4349	740101.01	4108109.8	3.78E-10	6.88E-10	3.78E-11	1.10E-09	5.86E-11	1.13E-10	5.67E-12	1.77E-10	5.69E-11	9.71E-11	7.19E-12	1.61E-10	3.24E-11	5.35E-11	1.77E-12	8.77E-11
4350	740126.82	4108072.98	3.81E-10	6.95E-10	3.81E-11	1.11E-09	5.91E-11	1.14E-10	5.72E-12	1.79E-10	5.75E-11	9.80E-11	7.26E-12	1.63E-10	3.27E-11	5.40E-11	1.79E-12	8.85E-11
4351	740139.73	4108054.57	3.82E-10	6.97E-10	3.83E-11	1.12E-09	5.93E-11	1.14E-10	5.74E-12	1.79E-10	5.77E-11	9.83E-11	7.29E-12	1.63E-10	3.28E-11	5.42E-11	1.80E-12	8.88E-11
4352	740165.54	4108017.75	3.83E-10	6.99E-10	3.84E-11	1.12E-09	5.95E-11	1.15E-10	5.76E-12	1.80E-10	5.78E-11	9.86E-11	7.31E-12	1.64E-10	3.29E-11	5.44E-11	1.80E-12	8.90E-11
4353	740178.45	4107999.34	3.83E-10	6.99E-10	3.84E-11	1.12E-09	5.95E-11	1.15E-10	5.76E-12	1.80E-10	5.78E-11	9.86E-11	7.31E-12	1.64E-10	3.29E-11	5.44E-11	1.80E-12	8.90E-11
4354	740204.26	4107962.52	3.82E-10	6.97E-10	3.83E-11	1.12E-09	5.93E-11	1.14E-10	5.74E-12	1.79E-10	5.77E-11	9.83E-11	7.29E-12	1.63E-10	3.28E-11	5.42E-11	1.80E-12	8.88E-11
4355	740217.17	4107944.11	3.81E-10	6.95E-10	3.82E-11	1.11E-09	5.91E-11	1.14E-10	5.72E-12	1.79E-10	5.75E-11	9.80E-11	7.27E-12	1.63E-10	3.27E-11	5.41E-11	1.79E-12	8.85E-11
4356	740242.98	4107907.29	3.78E-10	6.89E-10	3.79E-11	1.11E-09	5.87E-11	1.13E-10	5.68E-12	1.77E-10	5.70E-11	9.72E-11	7.21E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.78E-11
4357	740268.79	4107870.47	3.74E-10	6.81E-10	3.74E-11	1.09E-09	5.80E-11	1.12E-10	5.61E-12	1.75E-10	5.64E-11	9.61E-11	7.12E-12	1.60E-10	3.20E-11	5.30E-11	1.76E-12	8.68E-11
4358	740281.7	4107852.06	3.71E-10	6.76E-10	3.71E-11	1.08E-09	5.75E-11	1.11E-10	5.57E-12	1.74E-10	5.59E-11	9.54E-11	7.07E-12	1.58E-10	3.18E-11	5.26E-11	1.74E-12	8.61E-11
4359	740307.51	4107815.24	3.64E-10	6.64E-10	3.65E-11	1.06E-09	5.65E-11	1.09E-10	5.47E-12	1.71E-10	5.49E-11	9.37E-11	6.94E-12	1.56E-10	3.12E-11	5.17E-11	1.71E-12	8.46E-11
4360	740320.42	4107796.83	3.60E-10	6.57E-10	3.61E-11	1.05E-09	5.59E-11	1.08E-10	5.41E-12	1.69E-10	5.43E-11	9.26E-11	6.87E-12	1.54E-10	3.09E-11	5.11E-11	1.69E-12	8.37E-11
4361	740346.23	4107760.01	3.51E-10	6.40E-10	3.51E-11	1.03E-09	5.45E-11	1.05E-10	5.27E-12	1.65E-10	5.30E-11	9.03E-11	6.69E-12	1.50E-10	3.01E-11	4.98E-11	1.65E-12	8.16E-11
4362	739544.29	4111453.9	7.99E-10	1.46E-09	7.99E-11	2.33E-09	1.24E-10	2.39E-10	1.20E-11	3.74E-10	1.20E-10	2.05E-10	1.52E-11	3.41E-10	6.84E-11	1.13E-10	3.75E-12	1.85E-10
4363	739556.4	4111472.89	8.01E-10	1.46E-09	8.01E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.21E-10	2.06E-10	1.53E-11	3.42E-10	6.86E-11	1.14E-10	3.76E-12	1.86E-10
4364	739568.51	4111491.88	8.03E-10	1.46E-09	8.04E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.77E-10	1.21E-10	2.07E-10	1.53E-11	3.43E-10	6.88E-11	1.14E-10	3.78E-12	1.87E-10
4365	739592.74	4111529.85	8.09E-10	1.47E-09	8.09E-11	2.36E-09	1.25E-10	2.42E-10	1.21E-11	3.79E-10	1.22E-10	2.08E-10	1.54E-11	3.45E-10	6.93E-11	1.15E-10	3.80E-12	1.88E-10
4366	739604.85	4111548.84	8.11E-10	1.48E-09	8.12E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.09E-10	1.55E-11	3.46E-10	6.95E-11	1.15E-10	3.81E-12	1.88E-10
4367	739616.97	4111567.83	8.14E-10	1.48E-09	8.14E-11	2.38E-09	1.26E-10	2.43E-10	1.22E-11	3.81E-10	1.23E-10	2.09E-10	1.55E-11	3.47E-10	6.97E-11	1.15E-10	3.82E-12	1.89E-10
4368	739629.08	4111586.81	8.15E-10	1.49E-09	8.16E-11	2.38E-09	1.26E-10	2.44E-10	1.22E-11	3.82E-10	1.23E-10	2.10E-10	1.55E-11	3.48E-10	6.99E-11	1.16E-10	3.83E-12	1.89E-10
4369	739641.19	4111605.8	8.17E-10	1.49E-09	8.17E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
4370	739653.31	4111624.79	8.18E-10	1.49E-09	8.18E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.01E-11	1.16E-10	3.84E-12	1.90E-10
4371	739203.17	4111646.97	6.58E-10	1.20E-09	6.59E-11	1.92E-09	1.02E-10	1.97E-10	9.88E-12	3.09E-10	9.93E-11	1.69E-10	1.25E-11	2.81E-10	5.64E-11	9.34E-11	3.09E-12	1.53E-10
4372	739195.38	4111602.84	6.61E-10	1.21E-09	6.62E-11	1.93E-09	1.03E-10	1.98E-10	9.93E-12	3.10E-10	9.97E-11	1.70E-10	1.26E-11	2.82E-10	5.67E-11	9.38E-11	3.11E-12	1.54E-10
4373	739187.59	4111558.71	6.64E-10	1.21E-09	6.65E-11	1.94E-09	1.03E-10	1.98E-10	9.97E-12	3.11E-10	1.00E-10	1.71E-10	1.27E-11	2.84E-10	5.69E-11	9.42E-11	3.12E-12	1.54E-10
4374	739179.79	4111514.59	6.66E-10	1.21E-09	6.67E-11	1.95E-09	1.03E-10	1.99E-10	1.00E-11	3.12E-10	1.00E-10	1.71E-10	1.27E-11	2.84E-10	5.71E-11	9.45E-11	3.13E-12	1.55E-10
4375	739172	4111470.46	6.67E-10	1.22E-09	6.67E-11	1.95E-09	1.03E-10	1.99E-10	1.00E-11	3.13E-10	1.01E-10	1.71E-10	1.27E-11	2.85E-10	5.72E-11	9.46E-11	3.14E-12	1.55E-10
4376	739164.21	4111426.33	6.67E-10	1.22E-09	6.67E-11	1.95E-09	1.03E-10	1.99E-10	1.00E-11	3.13E-10	1.01E-10	1.71E-10	1.27E-11	2.85E-10	5.72E-11	9.46E-11	3.14E-12	1.55E-10
4377	739156.42	4111382.2	6.67E-10	1.22E-09	6.67E-11	1.95E-09	1.03E-10	1.99E-10	1.00E-11	3.13E-10	1.01E-10	1.71E-10	1.27E-11	2.85E-10	5.71E-11	9.45E-11	3.13E-12	1.55E-10
4378	739148.63	4111338.07	6.67E-10	1.22E-09	6.67E-11	1.95E-09	1.03E-10	1.99E-10	1.00E-11	3.13E-10	1.01E-10	1.71E-10	1.27E-11	2.85E-10	5.72E-11	9.46E-11	3.14E-12	1.55E-10
4379	739140.84	4111293.95	6.69E-10	1.22E-09	6.69E-11	1.95E-09	1.04E-10	2.00E-10	1.00E-11	3.13E-10	1.01E-10	1.72E-10	1.27E-11	2.85E-10	5.73E-11	9.48E-11	3.14E-12	1.55E-10
4380	739133.05	4111249.82	6.72E-10	1.22E-09	6.72E-11	1.96E-09	1.04E-10	2.01E-10	1.01E-11	3.15E-10	1.01E-10	1.73E-10	1.28E-11	2.87E-10	5.75E-11	9.52E-11	3.16E-12	1.56E-10
4381	739125.26	4111205.69	6.76E-10	1.23E-09	6.76E-11	1.98E-09	1.05E-10	2.02E-10	1.01E-11	3.17E-10	1.02E-10	1.74E-10	1.29E-11	2.89E-10	5.79E-11	9.58E-11	3.18E-12	1.57E-10
4382	739117.46	4111161.56	6.82E-10	1.24E-09	6.82E-11	1.99E-09	1.06E-10	2.04E-10	1.02E-11	3.20E-10	1.03E-10	1.75E-10	1.30E-11	2.91E-10	5.84E-11	9.67E-11	3.20E-12	1.58E-10
4383	739109.67	4111117.44	6.88E-10	1.25E-09	6.89E-11	2.01E-09	1.07E-10	2.06E-10	1.03E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.90E-11	9.76E-11	3.23E-12	1.60E-10
4384	739105.78	4111095.37	6.91E-10	1.26E-09	6.91E-11	2.02E-09	1.07E-10	2.06E-10	1.04E-11	3.24E-10	1.04E-10	1.78E-10	1.32E-11	2.95E-10	5.92E-11	9.80E-11	3.25E-12	1.60E-10
4385	739097.99	4111051.25	6.96E-10	1.27E-09	6.97E-11	2.03E-09	1.08E-10	2.08E-10	1.04E-11	3.26E-10	1.05E-10	1.79E-10	1.33E-11	2.97E-10	5.97E-11	9.87E-11	3.27E-12	1.62E-10
4386	739090.2	4111007.12	7.00E-10	1.28E-09	7.00E-11	2.05E-09	1.09E-10	2.09E-10	1.05E-11	3.28E-10	1.06E-10	1.80E-10	1.33E-11	2.99E-10	6.00E-11	9.92E-11	3.29E-12	1.63E-10
4387	739082.4	4110962.99	7.03E-10	1.28E-09	7.03E-11	2.05E-09	1.09E-10	2.10E-10	1.05E-11	3.29E-10	1.06E-10	1.81E-10	1.34E-11	3.00E-10	6.02E-11	9.96E-11	3.30E-12	1.63E-10
4388	739074.61	4110918.86	7.05E-10	1.28E-09	7.05E-11	2.06E-09	1.09E-10	2.11E-10	1.06E-11	3.30E-10	1.06E-10	1.81E-10	1.34E-11	3.01E-10	6.04E-11	9.99E-11	3.31E-12	1.64E-10
4389	739066.82	4110874.73	7.09E-10	1.29E-09	7.09E-11	2.07E-09	1.10E-10	2.12E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.03E-10	6.07E-11	1.00E-10	3.33E-12	1.65E-10
4390	739059.03	4110830.61	7.16E-10	1.30E-09	7.16E-11	2.09E-09	1.11E-10	2.14E-10	1.07E-11	3.35E-10	1.08E-10	1.84E-10	1.36E-11	3.05E-10	6.13E-11	1.01E-10	3.36E-12	1.66E-10
4391	739051.24	4110786.48	7.28E-10	1.33E-09	7.28E-11	2.13E-09	1.13E-10	2.17E-10	1.09E-11	3.41E-10	1.10E-10	1.87E-10	1.39E-11	3.11E-10	6.23E-11	1.03E-10	3.42E-12	1.69E-10
4392	739043.45	4110742.35	7.46E-10	1.36E-09	7.46E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.12E-10	1.92E-10	1.42E-11	3.18E-10	6.39E-11	1.06E-10	3.50E-12	1.73E-10
4393	739035.66	4110698.22	7.70E-10	1.40E-09	7.70E-11	2.25E-09	1.19E-10	2.30E-10	1.15E-11	3.61E-10	1.16E-10	1.98E-10	1.47E-11	3.29E-10	6.59E-11	1.09E-10	3.62E-12	1.79E-10
4394	739027.87	4110654.1	7.99E-10	1.46E-09	8.00E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.21E-10	2.06E-10	1.52E-11	3.41E-10	6.85E-11	1.13E-10	3.76E-12	1.86E-10
4395	739020.07	4110609.97	8.33E-10	1.52E-09	8.34E-11	2.43E-09	1.29E-10	2.49E-10	1.25E-11	3.91E-10	1.26E-10	2.14E-10	1.59E-11	3.56E-10	7.14E-11	1.18E-10	3.92E-12	1.93E-10
4396	739012.28	4110565.84	8.69E-10	1.58E-09	8.70E-11	2.54E-09	1.35E-10	2.60E-10	1.30E-11	4.08E-10	1.31E-10	2.23E-10	1.66E-11	3.71E-10	7.45E-11	1.23E-10	4.09E-12	2.02E-10
4397	739004.49	4110521.71	9.05E-10	1.65E-09	9.05E-11	2.64E-09	1.40E-10	2.70E-10	1.36E-11	4.24E-10	1.36E-10	2.33E-10	1.72E-11	3.86E-10	7.75E-11	1.28E-10	4.25E-12	2.10E-10
4398	738996.7	4110477.59	9.37E-10	1.71E-09	9.37E-11	2.74E-09	1.45E-10	2.80E-10	1.41E-11	4.39E-10	1.41E-10	2.41E-10	1.78E-11	4.00E-10	8.03E-11	1.33E-10	4.40E-12	2.17E-10
4399	738988.91	4110433.46	9.62E-10	1.75E-09	9.62E-11	2.81E-09	1.49E-10	2.87E-10	1.44E-11	4.51E-10	1.45E-10	2.47E-10	1.83E-11	4.11E-10	8.24E-11	1.36E-10	4.52E-12	2.23E-10
4400	738981.12	4110389.33	9.78E-10	1.78E-09	9.79E-11	2.86E-09	1.52E-10	2.92E-10	1.47E-11	4.58E-10	1.47E-10	2.51E-10	1.86E-11	4.18E-10	8.38E-11	1.39E-10	4.60E-12	2.27E-10
4401	738973.33	4110345.2	9.83E-10	1.79E-09	9.84E-11	2.87E-09	1.52E-10	2.94E-10	1.48E-11	4.61E-10	1.48E-10	2.53E-10	1.87E-11	4.20E-10	8.43E-11	1.39E-10	4.62E-12	2.28E-10
4402	738965.54	4110301.08	9.79E-10	1.78E-09	9.80E-11	2.86E-09	1.52E-10	2.93E-10	1.47E-11	4.59E-10	1.48E-10	2.52E-10	1.87E-11	4.18E-10	8.39E-11	1.39E-10	4.60E-12	2.27E-10
4403	738957.75	4110256.95	9.65E-10	1.76E-09	9.66E-11	2.82E-09	1.50E-10	2.88E-10	1.45E-11	4.53E-10	1.46E-10	2.48E-10	1.84E-11	4.12E-10	8.27E-11	1.37E-10	4.54E-12	2.24E-10
4404	738949.95	4110212.82	9.45E-10	1.72E-09	9.46E-11	2.76E-09	1.47E-10	2.82E-10	1.42E-11	4.43E-10	1.43E-10	2.43E-10	1.80E-11	4.04E-10	8.10E-11	1.34E-10	4.44E-12	2.20E-10
4405	738942.16	4110168.69	9.21E-10	1.68E-09	9.22E-11	2.69E-09	1.43E-10	2.75E-10	1.38E-11	4.32E-10	1.39E-10	2.37E-10	1.76E-11	3.93E-10	7.89E-11	1.31E-10	4.33E-12	2.14E-10
4406	738934.37	4110124.57	8.94E-10	1.63E-09	8.95E-11	2.61E-09	1.39E-10	2.67E-10	1.34E-11	4.19E-10	1.35E-10	2.30E-10	1.70E-11	3.82E-10	7.66E-11	1.27E-10	4.20E-12	2.08E-10
4407	738926.58	4110080.44	8.67E-10	1.58E-09	8.67E-11	2.53E-09	1.34E-10	2.59E-10	1.30E-11	4.06E-10	1.31E-10	2.23E-10	1.65E-11	3.70E-10	7.43E-11	1.23E-10	4.07E-12	2.01E-10
4408	738922.68	4110058.37	8.52E-10	1.55E-09	8.53E-11	2.49E-09	1.32E-10	2.55E-10	1.28E-11	4.00E-10	1.29E-10	2.19E-10	1.62E-11	3.64E-10	7.30E-11	1.21E-10	4.01E-12	1.98E-10
4409	738914.89	4110014.25	8.24E-10	1.50E-09	8.25E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.86E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.06E-11	1.17E-10	3.87E-12	1.91E-10
4410	738907.1	4109970.12	7.97E-10	1.45E-09	7.98E-11	2.33E-09	1.24E-10	2.38E-10	1.20E-11	3.74E-10	1.20E-10	2.05E-10	1.52E-11	3.40E-10	6.83E-11	1.13E-10	3.75E-12	1.85E-10
4411	738899.31	4109925.99	7.71E-10	1.40E-09	7.71E-11	2.25E-09	1.20E-10	2.30E-10	1.16E-11	3.61E-10	1.16E-10	1.98E-10	1.47E-11	3.29E-10	6.61E-11	1.09E-10	3.62E-12	1.79E-10
4412	738891.52	4109881.86	7.46E-10	1.36E-09	7.46E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.12E-10	1.92E-10	1.42E-11	3.18E-10	6.39E-11	1.06E-10	3.50E-12	1.73E-10

4413	738883.73	4109837.74	7.22E-10	1.31E-09	7.22E-11	2.11E-09	1.12E-10	2.16E-10	1.08E-11	3.38E-10	1.09E-10	1.86E-10	1.38E-11	3.08E-10	6.18E-11	1.02E-10	3.39E-12	1.68E-10
4414	738875.94	4109793.61	7.00E-10	1.27E-09	7.00E-11	2.04E-09	1.08E-10	2.09E-10	1.05E-11	3.28E-10	1.06E-10	1.80E-10	1.33E-11	2.99E-10	5.99E-11	9.92E-11	3.29E-12	1.62E-10
4415	738868.15	4109749.48	6.80E-10	1.24E-09	6.80E-11	1.99E-09	1.05E-10	2.03E-10	1.02E-11	3.19E-10	1.03E-10	1.75E-10	1.30E-11	2.90E-10	5.83E-11	9.64E-11	3.20E-12	1.58E-10
4416	738860.35	4109705.35	6.63E-10	1.21E-09	6.64E-11	1.94E-09	1.03E-10	1.98E-10	9.96E-12	3.11E-10	1.00E-10	1.71E-10	1.26E-11	2.83E-10	5.68E-11	9.41E-11	3.12E-12	1.54E-10
4417	738852.56	4109661.23	6.51E-10	1.19E-09	6.51E-11	1.90E-09	1.01E-10	1.94E-10	9.76E-12	3.05E-10	9.81E-11	1.67E-10	1.24E-11	2.78E-10	5.57E-11	9.22E-11	3.06E-12	1.51E-10
4418	738844.77	4109617.1	6.41E-10	1.17E-09	6.42E-11	1.87E-09	9.95E-11	1.92E-10	9.63E-12	3.01E-10	9.67E-11	1.65E-10	1.22E-11	2.74E-10	5.50E-11	9.09E-11	3.01E-12	1.49E-10
4419	738836.98	4109572.97	6.36E-10	1.16E-09	6.36E-11	1.86E-09	9.86E-11	1.90E-10	9.54E-12	2.98E-10	9.59E-11	1.63E-10	1.21E-11	2.71E-10	5.45E-11	9.02E-11	2.99E-12	1.48E-10
4420	738829.19	4109528.84	6.34E-10	1.15E-09	6.34E-11	1.85E-09	9.83E-11	1.89E-10	9.51E-12	2.97E-10	9.56E-11	1.63E-10	1.21E-11	2.71E-10	5.43E-11	8.99E-11	2.98E-12	1.47E-10
4421	738821.4	4109484.72	6.34E-10	1.16E-09	6.35E-11	1.85E-09	9.84E-11	1.90E-10	9.52E-12	2.97E-10	9.57E-11	1.63E-10	1.21E-11	2.71E-10	5.44E-11	9.00E-11	2.98E-12	1.47E-10
4422	738813.61	4109440.59	6.37E-10	1.16E-09	6.38E-11	1.86E-09	9.88E-11	1.90E-10	9.56E-12	2.99E-10	9.61E-11	1.64E-10	1.21E-11	2.72E-10	5.46E-11	9.03E-11	2.99E-12	1.48E-10
4423	738805.82	4109396.46	6.41E-10	1.17E-09	6.42E-11	1.87E-09	9.94E-11	1.92E-10	9.62E-12	3.01E-10	9.67E-11	1.65E-10	1.22E-11	2.74E-10	5.49E-11	9.09E-11	3.01E-12	1.49E-10
4424	738798.03	4109352.33	6.45E-10	1.18E-09	6.46E-11	1.89E-09	1.00E-10	1.93E-10	9.68E-12	3.03E-10	9.73E-11	1.66E-10	1.23E-11	2.75E-10	5.53E-11	9.15E-11	3.03E-12	1.50E-10
4425	738806.99	4109311.92	6.53E-10	1.19E-09	6.54E-11	1.91E-09	1.01E-10	1.95E-10	9.81E-12	3.06E-10	9.85E-11	1.68E-10	1.25E-11	2.79E-10	5.60E-11	9.27E-11	3.07E-12	1.52E-10
4426	738819.85	4109293.58	6.59E-10	1.20E-09	6.60E-11	1.93E-09	1.02E-10	1.97E-10	9.90E-12	3.09E-10	9.94E-11	1.70E-10	1.26E-11	2.82E-10	5.65E-11	9.35E-11	3.10E-12	1.53E-10
4427	738845.58	4109256.89	6.69E-10	1.22E-09	6.70E-11	1.96E-09	1.04E-10	2.00E-10	1.00E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.74E-11	9.49E-11	3.15E-12	1.55E-10
4428	738858.44	4109238.54	6.73E-10	1.23E-09	6.74E-11	1.97E-09	1.04E-10	2.01E-10	1.01E-11	3.16E-10	1.02E-10	1.73E-10	1.28E-11	2.87E-10	5.77E-11	9.55E-11	3.16E-12	1.56E-10
4429	738884.16	4109201.85	6.78E-10	1.24E-09	6.79E-11	1.98E-09	1.05E-10	2.03E-10	1.02E-11	3.18E-10	1.02E-10	1.74E-10	1.29E-11	2.90E-10	5.81E-11	9.62E-11	3.19E-12	1.57E-10
4430	738909.88	4109165.16	6.79E-10	1.24E-09	6.79E-11	1.98E-09	1.05E-10	2.03E-10	1.02E-11	3.18E-10	1.02E-10	1.75E-10	1.29E-11	2.90E-10	5.82E-11	9.63E-11	3.19E-12	1.58E-10
4431	738922.75	4109146.81	6.78E-10	1.23E-09	6.78E-11	1.98E-09	1.05E-10	2.02E-10	1.02E-11	3.18E-10	1.02E-10	1.74E-10	1.29E-11	2.89E-10	5.81E-11	9.61E-11	3.18E-12	1.57E-10
4432	738948.47	4109110.12	6.72E-10	1.22E-09	6.72E-11	1.96E-09	1.04E-10	2.01E-10	1.01E-11	3.15E-10	1.01E-10	1.73E-10	1.28E-11	2.87E-10	5.76E-11	9.53E-11	3.16E-12	1.56E-10
4433	738974.19	4109073.43	6.62E-10	1.21E-09	6.63E-11	1.94E-09	1.03E-10	1.98E-10	9.94E-12	3.11E-10	9.99E-11	1.70E-10	1.26E-11	2.83E-10	5.68E-11	9.39E-11	3.11E-12	1.54E-10
4434	738987.05	4109055.08	6.56E-10	1.20E-09	6.57E-11	1.92E-09	1.02E-10	1.96E-10	9.85E-12	3.08E-10	9.90E-11	1.69E-10	1.25E-11	2.80E-10	5.62E-11	9.30E-11	3.08E-12	1.52E-10
4435	739012.78	4109018.39	6.41E-10	1.17E-09	6.42E-11	1.87E-09	9.95E-11	1.92E-10	9.63E-12	3.01E-10	9.67E-11	1.65E-10	1.22E-11	2.74E-10	5.50E-11	9.09E-11	3.01E-12	1.49E-10
4436	739025.64	4109000.05	6.33E-10	1.15E-09	6.33E-11	1.85E-09	9.81E-11	1.89E-10	9.50E-12	2.97E-10	9.54E-11	1.63E-10	1.21E-11	2.70E-10	5.42E-11	8.97E-11	2.97E-12	1.47E-10
4437	739051.36	4108963.35	6.13E-10	1.12E-09	6.14E-11	1.79E-09	9.51E-11	1.83E-10	9.21E-12	2.88E-10	9.25E-11	1.58E-10	1.17E-11	2.62E-10	5.26E-11	8.70E-11	2.88E-12	1.42E-10
4438	739077.08	4108926.66	5.92E-10	1.08E-09	5.92E-11	1.73E-09	9.17E-11	1.77E-10	8.88E-12	2.77E-10	8.92E-11	1.52E-10	1.13E-11	2.53E-10	5.07E-11	8.39E-11	2.78E-12	1.37E-10
4439	739089.95	4108908.32	5.80E-10	1.06E-09	5.81E-11	1.70E-09	9.00E-11	1.73E-10	8.71E-12	2.72E-10	8.75E-11	1.49E-10	1.11E-11	2.48E-10	4.97E-11	8.23E-11	2.73E-12	1.35E-10
4440	739115.67	4108871.63	5.57E-10	1.01E-09	5.57E-11	1.63E-09	8.64E-11	1.66E-10	8.36E-12	2.61E-10	8.40E-11	1.43E-10	1.06E-11	2.38E-10	4.77E-11	7.90E-11	2.62E-12	1.29E-10
4441	739128.53	4108853.28	5.45E-10	9.93E-10	5.45E-11	1.59E-09	8.45E-11	1.63E-10	8.18E-12	2.56E-10	8.22E-11	1.40E-10	1.04E-11	2.33E-10	4.67E-11	7.73E-11	2.56E-12	1.27E-10
4442	739154.25	4108816.59	5.22E-10	9.51E-10	5.22E-11	1.52E-09	8.09E-11	1.56E-10	7.83E-12	2.45E-10	7.87E-11	1.34E-10	9.94E-12	2.23E-10	4.47E-11	7.40E-11	2.45E-12	1.21E-10
4443	739179.98	4108779.9	5.00E-10	9.11E-10	5.00E-11	1.46E-09	7.75E-11	1.49E-10	7.50E-12	2.34E-10	7.54E-11	1.29E-10	9.53E-12	2.13E-10	4.28E-11	7.09E-11	2.35E-12	1.16E-10
4444	739192.84	4108761.55	4.90E-10	8.92E-10	4.90E-11	1.43E-09	7.60E-11	1.46E-10	7.35E-12	2.30E-10	7.39E-11	1.26E-10	9.33E-12	2.09E-10	4.20E-11	6.94E-11	2.30E-12	1.14E-10
4445	739218.56	4108724.86	4.71E-10	8.58E-10	4.71E-11	1.38E-09	7.30E-11	1.41E-10	7.07E-12	2.21E-10	7.10E-11	1.21E-10	8.97E-12	2.01E-10	4.04E-11	6.68E-11	2.21E-12	1.09E-10
4446	739244.29	4108688.17	4.54E-10	8.28E-10	4.55E-11	1.33E-09	7.05E-11	1.36E-10	6.82E-12	2.13E-10	6.85E-11	1.17E-10	8.66E-12	1.94E-10	3.89E-11	6.44E-11	2.14E-12	1.05E-10
4447	739257.15	4108669.82	4.47E-10	8.15E-10	4.47E-11	1.31E-09	6.93E-11	1.34E-10	6.71E-12	2.10E-10	6.74E-11	1.15E-10	8.52E-12	1.91E-10	3.83E-11	6.34E-11	2.10E-12	1.04E-10
4448	739282.87	4108633.13	4.34E-10	7.90E-10	4.34E-11	1.27E-09	6.73E-11	1.30E-10	6.51E-12	2.03E-10	6.54E-11	1.11E-10	8.26E-12	1.85E-10	3.72E-11	6.15E-11	2.04E-12	1.01E-10
4449	739295.73	4108614.78	4.27E-10	7.79E-10	4.28E-11	1.25E-09	6.63E-11	1.28E-10	6.42E-12	2.00E-10	6.45E-11	1.10E-10	8.15E-12	1.82E-10	3.66E-11	6.06E-11	2.01E-12	9.93E-11
4450	739321.45	4108578.09	4.16E-10	7.58E-10	4.16E-11	1.22E-09	6.45E-11	1.24E-10	6.25E-12	1.95E-10	6.27E-11	1.07E-10	7.93E-12	1.78E-10	3.57E-11	5.90E-11	1.96E-12	9.66E-11
4451	739347.18	4108541.4	4.05E-10	7.38E-10	4.05E-11	1.18E-09	6.28E-11	1.21E-10	6.07E-12	1.90E-10	6.10E-11	1.04E-10	7.71E-12	1.73E-10	3.47E-11	5.74E-11	1.90E-12	9.40E-11
4452	739360.04	4108523.06	3.99E-10	7.27E-10	3.99E-11	1.17E-09	6.19E-11	1.19E-10	5.99E-12	1.87E-10	6.01E-11	1.03E-10	7.60E-12	1.70E-10	3.42E-11	5.66E-11	1.87E-12	9.26E-11
4453	739385.76	4108486.36	3.87E-10	7.05E-10	3.87E-11	1.13E-09	6.00E-11	1.16E-10	5.80E-12	1.81E-10	5.83E-11	9.94E-11	7.37E-12	1.65E-10	3.31E-11	5.48E-11	1.82E-12	8.98E-11
4454	739411.49	4108449.67	3.73E-10	6.80E-10	3.73E-11	1.09E-09	5.79E-11	1.12E-10	5.60E-12	1.75E-10	5.63E-11	9.60E-11	7.11E-12	1.59E-10	3.20E-11	5.29E-11	1.75E-12	8.67E-11
4455	739424.35	4108431.33	3.66E-10	6.67E-10	3.66E-11	1.07E-09	5.68E-11	1.09E-10	5.50E-12	1.72E-10	5.52E-11	9.41E-11	6.98E-12	1.56E-10	3.14E-11	5.19E-11	1.72E-12	8.50E-11
4456	739450.07	4108394.64	3.52E-10	6.41E-10	3.52E-11	1.03E-09	5.45E-11	1.05E-10	5.28E-12	1.65E-10	5.30E-11	9.04E-11	6.70E-12	1.50E-10	3.01E-11	4.99E-11	1.65E-12	8.17E-11
4457	739462.93	4108376.29	3.44E-10	6.27E-10	3.44E-11	1.01E-09	5.34E-11	1.03E-10	5.17E-12	1.61E-10	5.19E-11	8.85E-11	6.56E-12	1.47E-10	2.95E-11	4.88E-11	1.62E-12	7.99E-11
4458	739488.66	4108339.6	3.29E-10	6.00E-10	3.30E-11	9.63E-10	5.11E-11	9.84E-11	4.94E-12	1.54E-10	4.97E-11	8.47E-11	6.28E-12	1.41E-10	2.82E-11	4.67E-11	1.55E-12	7.65E-11
4459	739514.38	4108302.91	3.15E-10	5.75E-10	3.15E-11	9.21E-10	4.89E-11	9.42E-11	4.73E-12	1.48E-10	4.75E-11	8.10E-11	6.01E-12	1.35E-10	2.70E-11	4.47E-11	1.48E-12	7.32E-11
4460	739527.24	4108284.56	3.09E-10	5.63E-10	3.09E-11	9.02E-10	4.79E-11	9.23E-11	4.63E-12	1.45E-10	4.66E-11	7.94E-11	5.88E-12	1.32E-10	2.65E-11	4.38E-11	1.45E-12	7.17E-11
4461	739552.96	4108247.87	2.97E-10	5.42E-10	2.98E-11	8.69E-10	4.61E-11	8.89E-11	4.46E-12	1.39E-10	4.49E-11	7.65E-11	5.67E-12	1.27E-10	2.55E-11	4.22E-11	1.40E-12	6.91E-11
4462	739578.69	4108211.18	2.89E-10	5.26E-10	2.89E-11	8.44E-10	4.48E-11	8.62E-11	4.33E-12	1.35E-10	4.35E-11	7.42E-11	5.50E-12	1.23E-10	2.47E-11	4.09E-11	1.36E-12	6.70E-11
4463	739591.55	4108192.83	2.85E-10	5.20E-10	2.86E-11	8.34E-10	4.43E-11	8.53E-11	4.28E-12	1.34E-10	4.30E-11	7.34E-11	5.44E-12	1.22E-10	2.45E-11	4.05E-11	1.34E-12	6.63E-11
4464	739617.27	4108156.14	2.81E-10	5.12E-10	2.81E-11	8.21E-10	4.36E-11	8.40E-11	4.22E-12	1.32E-10	4.24E-11	7.22E-11	5.36E-12	1.20E-10	2.41E-11	3.98E-11	1.32E-12	6.53E-11
4465	739630.13	4108137.8	2.80E-10	5.10E-10	2.80E-11	8.18E-10	4.34E-11	8.37E-11	4.20E-12	1.31E-10	4.22E-11	7.20E-11	5.34E-12	1.20E-10	2.40E-11	3.97E-11	1.32E-12	6.50E-11
4466	739655.86	4108101.1	2.80E-10	5.10E-10	2.80E-11	8.18E-10	4.34E-11	8.37E-11	4.20E-12	1.31E-10	4.22E-11	7.20E-11	5.34E-12	1.20E-10	2.40E-11	3.97E-11	1.32E-12	6.50E-11
4467	739681.58	4108064.41	2.82E-10	5.14E-10	2.83E-11	8.25E-10	4.38E-11	8.44E-11	4.24E-12	1.32E-10	4.26E-11	7.26E-11	5.38E-12	1.21E-10	2.42E-11	4.00E-11	1.33E-12	6.56E-11
4468	739694.44	4108046.07	2.84E-10	5.18E-10	2.84E-11	8.31E-10	4.41E-11	8.49E-11	4.27E-12	1.33E-10	4.29E-11	7.31E-11	5.42E-12	1.21E-10	2.44E-11	4.03E-11	1.34E-12	6.60E-11
4469	739720.16	4108009.38	2.89E-10	5.26E-10	2.89E-11	8.44E-10	4.48E-11	8.62E-11	4.33E-12	1.35E-10	4.35E-11	7.42E-11	5.50E-12	1.23E-10	2.47E-11	4.09E-11	1.36E-12	6.70E-11
4470	739733.03	4107991.03	2.91E-10	5.31E-10	2.91E-11	8.51E-10	4.52E-11	8.70E-11	4.37E-12	1.37E-10	4.39E-11	7.49E-11	5.55E-12	1.24E-10	2.50E-11	4.13E-11	1.37E-12	6.76E-11
4471	739758.75	4107954.34	2.97E-10	5.41E-10	2.97E-11	8.67E-10	4.60E-11	8.86E-11	4.45E-12	1.39E-10	4.47E-11	7.63E-11	5.65E-12	1.27E-10	2.54E-11	4.21E-11	1.39E-12	6.89E-11
4472	739784.47	4107917.65	3.02E-10	5.50E-10	3.02E-11	8.82E-10	4.68E-11	9.02E-11	4.53E-12	1.41E-10	4.55E-11	7.76E-11	5.75E-12	1.29E-10	2.59E-11	4.28E-11	1.42E-12	7.01E-11
4473	739797.33	4107899.3	3.04E-10	5.54E-10	3.04E-11	8.89E-10	4.72E-11	9.08E-11	4.56E-12	1.43E-10	4.59E-11	7.82E-11	5.79E-12	1.30E-10	2.61E-11	4.31E-11	1.43E-12	7.06E-11
4474	739823.06	4107862.61	3.08E-10	5.61E-10	3.08E-11	9.00E-10	4.78E-11	9.20E-11	4.62E-12	1.44E-10	4.64E-11	7.92E-11	5.87E-12	1.31E-10	2.64E-11	4.37E-11	1.45E-12	7.15E-11
4475	739848.78	4107825.92	3.11E-10	5.66E-10	3.11E-11	9.08E-10	4.82E-11	9.29E-11	4.67E-12	1.46E-10	4.69E-11	7.99E-11	5.92E-12	1.33E-10	2.66E-11	4.41E-11	1.46E-12	7.22E-11
4476	739861.64	4107807.57	3.12E-10	5.68E-10	3.12E-11	9.11E-10	4.84E-11	9.32E-11	4.68E-12	1.46E-10	4.70E-11	8.02E-11	5.94E-12	1.33E-10	2.67E-11	4.42E-11	1.47E-12	7.24E-11
4477	739887.36	4107770.88	3.13E-10	5.70E-10	3.13E-11	9.15E-10	4.85E-11	9.35E-11	4.70E-12	1.47E-10	4.72E-11	8.05E-11	5.96E-12	1.34E-10	2.68E-11	4.44E-11	1.47E-12	7.27E-11
4478	739900.23	4107752.53	3.13E-10	5.71E-10	3.13E-11	9.15E-10	4.86E-11	9.36E-11	4.70E-12	1.47E-10	4.72E-11	8.05E-11	5.97E-12	1.34E-10	2.68E-11	4.44E-11	1.47E-12	7.27E-11
4479	739925.95	4107715.84	3.13E-10	5.71E-10	3.13E-11	9.15E-10	4.86E-11	9.35E-11	4.70E-12	1.47E-10	4.72E-11	8.05E-11	5.97E-12	1.34E-10	2.68E-11	4.44E-11	1.47E-12	7.27E-11
4480	739951.67	4107679.15	3.12E-10	5.69E-10	3.12E-11	9.12E-10	4.84E-11	9.32E-11	4.68E-12	1.46E-10	4.71E-11	8.02E-11	5.95E-12	1.33E-10	2.67E-11	4.43E-11	1.47E-12	7.25E-11
4481	739964.53	4107660.81	3.11E-10	5.67E-10	3.11E-11	9.10E-10	4.83E-11	9.30E-11	4.67E-12	1.46E-10	4.69E-11	8.00E-11	5.93E-12	1.33E-10	2.67E-11	4.41E-11	1.46E-12	7.23E-11
4482	739990.26	4107624.11	3.09E-10	5.64E-10	3.09E-11	9.04E-10	4.80E-11	9.24E-11	4.64E-12	1.45E-10	4.66E-11	7.95E-11	5.89E-12	1.32E-10	2.65E-11	4.38E-11	1.45E-12	7.18E-11
4483	740015.98	4107587.42	3.06E-10	5.58E-10	3.07E-11	8.95E-10	4.75E-11	9.15E-11	4.60E-12	1.44E-10	4.62E-11	7.88E-11	5.84E-12	1.31E-10	2.63E-11	4.34E-11	1.44E-12	7.11E-11
4484	740028.84	4107569.08	3.05E-10	5.55E-10	3.05E-11	8.91E-10	4.73E-11	9.11E-11	4.57E-12	1.43E-10	4.60E-11	7.84E-11	5.81E-12	1.30E-10	2.61E-11	4.32E-11	1.43E-12	7.08E-11
4485	740054.57	4107532.39	3.01E-10	5.48E-10	3.01E-11	8.79E-10	4.67E-11	8.99E-11	4.52E-12	1.41E-10	4.54E-11	7.74E-11	5.73E-12	1.28E-10	2.58E-11	4.27E-11	1.41E-12	6.99E-11
4486	740067.43	4107514.04	2.99E-10	5.44E-10	2.99E-11	8.73E-10	4.63E-11	8.92E-11	4.48E-12	1.40E-10	4.50E-11	7.68E-11	5.69E-12	1.27E-10	2.56E-11	4.23E-11	1.40E-12	6.93E-11
4487	740093.15	4107477.35	2.93E-10	5.34E-10	2.93E-11	8.57E-10	4.55E-11	8.76E-11	4.40E-12	1.38E-10	4.42E-11	7.54E-11	5.59E-12	1.25E-10	2.51E-11	4.16E-11	1.38E-12	6.81E-11
4488	740118.87	4107440.66	2.87E-10	5.23E-10	2.87E-11	8.38E-10	4.45E-11	8.57E-11	4.30E-12	1.34E-10	4.33E-11	7.37E-11	5.47E-12	1.22E-10	2.46E-11	4.07E-11	1.35E-12	6.66E-11
4489	740131.73	4107422.31	2.83E-10	5.16E-10	2.83E-11	8.28E-10	4.39E-11	8.46E-11	4.25E-12	1.33E-10	4.27E-11	7.28E-11	5.40E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.58E-11
4490	739219.18	4111688.02	6.59E-10	1.20E-09	6.59E-11	1.93E-09	1.02E-10	1.97E-10	9.89E-12	3.09E-10	9.94E-11	1.69E-10	1.26E-11	2.81E-10	5.65E-11	9.34E-11	3.10E-12	1.53E-10
4491	739231.29	4111707.01	6.61E-10	1.20E-09	6.61E-11	1.93E-09	1.02E-10	1.97E-10	9.92E-12	3.10E-10	9.96E-11	1.70E-10	1.26E-11	2.82E-10	5.66E-11	9.37E-11	3.11E-12	1.53E-10
4492	739243.4	4111726	6.63E-10	1.21E-09	6.63E-11	1.94E-09	1.03E-10	1.98E-10	9.95E-12	3.11E-10	9.99E-11	1.70E-10	1.26E-11	2.83E-10	5.68E-11	9.40E-11	3.11E-12	1.54E-10
4493	739255.52	4111744.98	6.65E-10	1.21E-09	6.65E-11	1.94E-09	1.03E-10	1.99E-10	9.97E-12	3.12E-10	1.00E-10	1.71E-10	1.27E-11	2.84E-10	5.69E-11	9.42E-11	3.12E-12	1.54E-10
4494	739267.63	4111763.97	6.67E-10	1.21E-09	6.67E-11	1.95E-09	1.03E-10	1.99E-10	1.00E-11	3.13E-10	1.01E-10	1.71E-10	1.27E-11	2.85E-10	5.71E-11	9.45E-11	3.13E-12	1.55E-10
4495	739279.74	4111782.96	6.69E-10	1.22E-09	6.69E-11	1.95E-09	1.04E-10	2.00E-10	1.00E-11	3.14E-10	1.01E-10	1.72E-10	1.27E-11	2.86E-10	5.73E-11	9.48E-11	3.14E-12	1.55E-10
4496	739291.86	4111801.95	6.71E-10	1.22E-09	6.71E-11	1.96E-09	1.04E-10	2.00E-10	1.01E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.75E-11	9.51E-11	3.15E-12	1.56E-10
4497	739303.97	4111820.93	6.72E-10	1.22E-09	6.73E-11	1.96E-09	1.04E-10	2.01E-10	1.01E-11	3.15E-10	1.01E-10	1.73E-10	1.28E-11	2.87E-10	5.76E-11	9.53E-11	3.16E-12	1.56E-10
4498	739316.08	4111839.92	6.73E-10	1.23E-09	6.74E-11	1.97E-09	1.04E-10	2.01E-10	1.01E-11	3.16E-10	1.02E-10	1.73E-10	1.28E-11	2.87E-10	5.77E-11	9.54E-11	3.16E-12	1.56E-10
4499	741943.48	4110193.41	4.84E-08	8.82E-08	4.84E-09	1.41E-07	7.51E-09	1.45E-08	7.27E-10	2.27E-08	7.30E-09	1.24E-08	9.23E-10	2.07E-08	4.15E-09	6.86E-09	2.28E-10	1.12E-08
4500	741963.59	4110179.92	5.46E-08	9.96E-08	5.47E-09	1.60E-07	8.47E-09	1.63E-08	8.20E-10	2.56E-08	8.24E-09	1.40E-08	1.04E-09	2.33E-08	4.68E-09	7.75E-09	2.57E-10	1.27E-08
4501	741983.7	4110166.43	6.16E-08	1.12E-07	6.17E-09	1.80E-07	9.56E-09	1.84E-08	9.25E-10	2.89E-08	9.29E-09	1.58E-08	1.17E-09	2.63E-08	5.28E-09	8.74E-09	2.90E-10	1.43E-08
4502	742003.81	4110152.93	6.87E-08	1.25E-07	6.87E-09	2.01E-07	1.07E-08	2.05E-08	1.03E-09	3.22E-08	1.04E-08	1.77E-08	1.31E-09	2.93E-08	5.88E-09	9.74E-09	3.23E-10	1.59E-08
4503	742023.92	4110139.44	7.52E-08	1.37E-07	7.52E-09	2.20E-07	1.17E-08	2.25E-08	1.13E-09	3.52E-08	1.13E-08	1.93E-08	1.43E-09	3.21E-08	6.44E-09	1.07E-08	3.53E-10	1.75E-08
4504	742044.03	4110125.95	8.08E-08	1.47E-07	8.08E-09	2.36E-07	1.25E-08	2.41E-08	1.21E-09	3.79E-08	1.22E-08	2.08E-08	1.54E-09	3.45E-08	6.92E-09	1.15E-08	3.80E-10	1.88E-08
4505	742064.14	4110112.46	8.54E-08	1.56E-07	8.54E-09	2.50E-07	1.32E-08	2.55E-08	1.28E-09	4.00E-08	1.29E-08	2.20E-08	1.63E-09	3.65E-08	7.32E-09	1.21E-08	4.01E-10	1.98E-08
4506	742084.25	4110098.96	8.91E-08	1.62E-07	8.92E-09	2.61E-07	1.38E-08	2.66E-08	1.34E-09	4.18E-08	1.34E-08	2.29E-08	1.70E-09	3.81E-08	7.64E-09	1.26E-08	4.19E-10	2.07E-08
4507	742104.36	4110085.47	9.22E-08	1.68E-07	9.23E-09	2.69E-07	1.43E-08	2.75E-08	1.38E-09	4.32E-08	1.39E-08	2.37E-08	1.76E-09	3.94E-08	7.90E-09	1.31E-08	4.33E-10	2.14E-08
4508	742124.47	4110071.98	9.47E-08	1.73E-07	9.48E-09	2.77E-07	1.47E-08	2.83E-08	1.42E-09	4.44E-08	1.43E-08	2.44E-08	1.81E-09	4.04E-08	8.12E-09	1.34E-08	4.45E-10	2.20E-08

4509	742144.58	4110058.49	9.68E-08	1.76E-07	9.69E-09	2.83E-07	1.50E-08	2.89E-08	1.45E-09	4.54E-08	1.46E-08	2.49E-08	1.84E-09	4.13E-08	8.30E-09	1.37E-08	4.55E-10	2.25E-08
4510	742164.69	4110044.99	9.85E-08	1.79E-07	9.85E-09	2.88E-07	1.53E-08	2.94E-08	1.48E-09	4.62E-08	1.49E-08	2.53E-08	1.88E-09	4.20E-08	8.44E-09	1.40E-08	4.63E-10	2.29E-08
4511	742184.8	4110031.5	9.96E-08	1.81E-07	9.97E-09	2.91E-07	1.54E-08	2.98E-08	1.49E-09	4.67E-08	1.50E-08	2.56E-08	1.90E-09	4.25E-08	8.53E-09	1.41E-08	4.68E-10	2.31E-08
4512	742204.91	4110018.01	9.98E-08	1.82E-07	9.99E-09	2.92E-07	1.55E-08	2.98E-08	1.50E-09	4.68E-08	1.51E-08	2.57E-08	1.90E-09	4.26E-08	8.56E-09	1.42E-08	4.69E-10	2.32E-08
4513	741977.52	4110200.68	3.87E-08	7.06E-08	3.88E-09	1.13E-07	6.01E-09	1.16E-08	5.81E-10	1.82E-08	5.84E-09	9.96E-09	7.38E-10	1.65E-08	3.32E-09	5.49E-09	1.82E-10	8.99E-09
4514	741997.63	4110187.19	4.23E-08	7.71E-08	4.23E-09	1.24E-07	6.56E-09	1.26E-08	6.35E-10	1.98E-08	6.38E-09	1.09E-08	8.06E-10	1.81E-08	3.63E-09	6.00E-09	1.99E-10	9.83E-09
4515	742017.74	4110173.69	4.60E-08	8.38E-08	4.60E-09	1.34E-07	7.13E-09	1.37E-08	6.90E-10	2.16E-08	6.94E-09	1.18E-08	8.77E-10	1.96E-08	3.94E-09	6.52E-09	2.16E-10	1.07E-08
4516	742037.85	4110160.2	4.95E-08	9.02E-08	4.95E-09	1.45E-07	7.67E-09	1.48E-08	7.43E-10	2.32E-08	7.46E-09	1.27E-08	9.43E-10	2.11E-08	4.24E-09	7.02E-09	2.33E-10	1.15E-08
4517	742057.96	4110146.71	5.26E-08	9.58E-08	5.26E-09	1.54E-07	8.15E-09	1.57E-08	7.89E-10	2.46E-08	7.93E-09	1.35E-08	1.00E-09	2.24E-08	4.51E-09	7.45E-09	2.47E-10	1.22E-08
4518	742078.07	4110133.22	5.52E-08	1.01E-07	5.52E-09	1.61E-07	8.56E-09	1.65E-08	8.28E-10	2.59E-08	8.32E-09	1.42E-08	1.05E-09	2.36E-08	4.73E-09	7.83E-09	2.59E-10	1.28E-08
4519	742098.18	4110119.72	5.74E-08	1.05E-07	5.74E-09	1.68E-07	8.90E-09	1.71E-08	8.61E-10	2.69E-08	8.65E-09	1.47E-08	1.09E-09	2.45E-08	4.92E-09	8.13E-09	2.70E-10	1.33E-08
4520	742118.29	4110106.23	5.92E-08	1.08E-07	5.92E-09	1.73E-07	9.18E-09	1.77E-08	8.88E-10	2.77E-08	8.92E-09	1.52E-08	1.13E-09	2.53E-08	5.07E-09	8.39E-09	2.78E-10	1.37E-08
4521	742138.4	4110092.74	6.07E-08	1.11E-07	6.07E-09	1.77E-07	9.41E-09	1.81E-08	9.11E-10	2.85E-08	9.15E-09	1.56E-08	1.16E-09	2.59E-08	5.20E-09	8.60E-09	2.85E-10	1.41E-08
4522	742158.51	4110079.25	6.19E-08	1.13E-07	6.19E-09	1.81E-07	9.60E-09	1.85E-08	9.29E-10	2.90E-08	9.33E-09	1.59E-08	1.18E-09	2.64E-08	5.30E-09	8.77E-09	2.91E-10	1.44E-08
4523	742178.62	4110065.76	6.27E-08	1.14E-07	6.28E-09	1.83E-07	9.73E-09	1.87E-08	9.42E-10	2.94E-08	9.46E-09	1.61E-08	1.20E-09	2.68E-08	5.38E-09	8.89E-09	2.95E-10	1.46E-08
4524	742198.73	4110052.26	6.32E-08	1.15E-07	6.32E-09	1.85E-07	9.80E-09	1.89E-08	9.48E-10	2.96E-08	9.53E-09	1.62E-08	1.20E-09	2.70E-08	5.41E-09	8.96E-09	2.97E-10	1.47E-08
4525	741898.25	4110235.04	3.20E-08	5.84E-08	3.21E-09	9.36E-08	4.97E-09	9.57E-09	4.81E-10	1.50E-08	4.83E-09	8.24E-09	6.10E-10	1.37E-08	2.75E-09	4.54E-09	1.51E-10	7.44E-09
4526	741991.45	4110221.44	2.94E-08	5.35E-08	2.94E-09	8.58E-08	4.56E-09	8.78E-09	4.41E-10	1.38E-08	4.43E-09	7.55E-09	5.60E-10	1.25E-08	2.52E-09	4.17E-09	1.38E-10	6.82E-09
4527	742011.56	4110207.95	3.15E-08	5.73E-08	3.15E-09	9.19E-08	4.88E-09	9.40E-09	4.72E-10	1.48E-08	4.74E-09	8.09E-09	6.00E-10	1.34E-08	2.70E-09	4.46E-09	1.48E-10	7.31E-09
4528	742031.67	4110194.45	3.36E-08	6.13E-08	3.36E-09	9.82E-08	5.21E-09	1.00E-08	5.05E-10	1.58E-08	5.07E-09	8.64E-09	6.41E-10	1.44E-08	2.88E-09	4.77E-09	1.58E-10	7.80E-09
4529	742051.78	4110180.96	3.57E-08	6.50E-08	3.57E-09	1.04E-07	5.53E-09	1.07E-08	5.36E-10	1.67E-08	5.38E-09	9.17E-09	6.80E-10	1.52E-08	3.06E-09	5.06E-09	1.68E-10	8.28E-09
4530	742071.89	4110167.47	3.76E-08	6.84E-08	3.76E-09	1.10E-07	5.82E-09	1.12E-08	5.64E-10	1.76E-08	5.66E-09	9.65E-09	7.16E-10	1.60E-08	3.22E-09	5.33E-09	1.76E-10	8.72E-09
4531	742092	4110153.98	3.92E-08	7.14E-08	3.92E-09	1.14E-07	6.07E-09	1.17E-08	5.88E-10	1.84E-08	5.91E-09	1.01E-08	7.46E-10	1.67E-08	3.36E-09	5.55E-09	1.84E-10	9.09E-09
4532	742112.11	4110140.48	4.05E-08	7.38E-08	4.05E-09	1.18E-07	6.28E-09	1.21E-08	6.08E-10	1.90E-08	6.11E-09	1.04E-08	7.72E-10	1.73E-08	3.47E-09	5.75E-09	1.90E-10	9.41E-09
4533	742132.22	4110126.99	4.17E-08	7.59E-08	4.17E-09	1.22E-07	6.46E-09	1.24E-08	6.25E-10	1.95E-08	6.28E-09	1.07E-08	7.94E-10	1.78E-08	3.57E-09	5.91E-09	1.96E-10	9.67E-09
4534	742152.33	4110113.5	4.27E-08	7.77E-08	4.27E-09	1.25E-07	6.62E-09	1.27E-08	6.40E-10	2.00E-08	6.43E-09	1.10E-08	8.13E-10	1.82E-08	3.66E-09	6.05E-09	2.01E-10	9.91E-09
4535	742172.44	4110100.01	4.34E-08	7.92E-08	4.35E-09	1.27E-07	6.74E-09	1.30E-08	6.52E-10	2.04E-08	6.55E-09	1.12E-08	8.28E-10	1.85E-08	3.72E-09	6.16E-09	2.04E-10	1.01E-08
4536	742192.55	4110086.52	4.39E-08	8.01E-08	4.40E-09	1.28E-07	6.81E-09	1.31E-08	6.59E-10	2.06E-08	6.63E-09	1.13E-08	8.37E-10	1.88E-08	3.76E-09	6.23E-09	2.06E-10	1.02E-08
4537	742212.66	4110073.02	4.41E-08	8.04E-08	4.41E-09	1.29E-07	6.84E-09	1.32E-08	6.62E-10	2.07E-08	6.65E-09	1.13E-08	8.40E-10	1.88E-08	3.78E-09	6.25E-09	2.07E-10	1.02E-08
4538	742232.77	4110059.53	4.38E-08	7.98E-08	4.38E-09	1.28E-07	6.79E-09	1.31E-08	6.57E-10	2.05E-08	6.60E-09	1.13E-08	8.34E-10	1.87E-08	3.75E-09	6.21E-09	2.06E-10	1.02E-08
4539	741928.14	4110266.82	2.32E-08	4.23E-08	2.32E-09	6.78E-08	3.60E-09	6.93E-09	3.48E-10	1.09E-08	3.50E-09	5.97E-09	4.42E-10	9.91E-09	1.99E-09	3.29E-09	1.09E-10	5.39E-09
4540	741893.13	4110259.51	2.56E-08	4.67E-08	2.56E-09	7.48E-08	3.97E-09	7.65E-09	3.84E-10	1.20E-08	3.86E-09	6.58E-09	4.88E-10	1.09E-08	2.19E-09	3.63E-09	1.20E-10	5.95E-09
4541	742005.37	4110242.2	2.32E-08	4.23E-08	2.32E-09	6.78E-08	3.60E-09	6.93E-09	3.48E-10	1.09E-08	3.50E-09	5.96E-09	4.42E-10	9.90E-09	1.99E-09	3.29E-09	1.09E-10	5.39E-09
4542	742025.48	4110228.71	2.45E-08	4.47E-08	2.45E-09	7.16E-08	3.80E-09	7.32E-09	3.68E-10	1.15E-08	3.70E-09	6.30E-09	4.67E-10	1.05E-08	2.10E-09	3.47E-09	1.15E-10	5.69E-09
4543	742045.59	4110215.21	2.59E-08	4.71E-08	2.59E-09	7.56E-08	4.01E-09	7.73E-09	3.88E-10	1.21E-08	3.90E-09	6.65E-09	4.93E-10	1.10E-08	2.22E-09	3.67E-09	1.22E-10	6.00E-09
4544	742065.7	4110201.72	2.72E-08	4.95E-08	2.72E-09	7.94E-08	4.21E-09	8.12E-09	4.08E-10	1.27E-08	4.10E-09	6.98E-09	5.18E-10	1.16E-08	2.33E-09	3.85E-09	1.28E-10	6.31E-09
4545	742085.81	4110188.23	2.84E-08	5.17E-08	2.84E-09	8.30E-08	4.40E-09	8.48E-09	4.26E-10	1.33E-08	4.28E-09	7.30E-09	5.41E-10	1.21E-08	2.43E-09	4.03E-09	1.33E-10	6.59E-09
4546	742105.92	4110174.74	2.95E-08	5.37E-08	2.95E-09	8.61E-08	4.57E-09	8.80E-09	4.42E-10	1.38E-08	4.44E-09	7.58E-09	5.62E-10	1.26E-08	2.53E-09	4.18E-09	1.38E-10	6.84E-09
4547	742126.03	4110161.25	3.04E-08	5.53E-08	3.04E-09	8.87E-08	4.71E-09	9.07E-09	4.56E-10	1.42E-08	4.58E-09	7.80E-09	5.78E-10	1.30E-08	2.60E-09	4.30E-09	1.43E-10	7.05E-09
4548	742146.14	4110147.75	3.11E-08	5.67E-08	3.11E-09	9.09E-08	4.83E-09	9.30E-09	4.67E-10	1.46E-08	4.69E-09	8.00E-09	5.93E-10	1.33E-08	2.67E-09	4.41E-09	1.46E-10	7.22E-09
4549	742166.25	4110134.26	3.18E-08	5.79E-08	3.18E-09	9.29E-08	4.93E-09	9.50E-09	4.77E-10	1.49E-08	4.79E-09	8.17E-09	6.06E-10	1.36E-08	2.72E-09	4.51E-09	1.49E-10	7.38E-09
4550	742186.36	4110120.77	3.23E-08	5.89E-08	3.23E-09	9.44E-08	5.01E-09	9.65E-09	4.85E-10	1.51E-08	4.87E-09	8.30E-09	6.16E-10	1.38E-08	2.77E-09	4.58E-09	1.52E-10	7.50E-09
4551	742206.47	4110107.28	3.26E-08	5.94E-08	3.26E-09	9.52E-08	5.05E-09	9.73E-09	4.89E-10	1.53E-08	4.91E-09	8.38E-09	6.21E-10	1.39E-08	2.79E-09	4.62E-09	1.53E-10	7.57E-09
4552	742226.58	4110093.78	3.26E-08	5.93E-08	3.26E-09	9.52E-08	5.05E-09	9.73E-09	4.89E-10	1.53E-08	4.91E-09	8.37E-09	6.21E-10	1.39E-08	2.79E-09	4.62E-09	1.53E-10	7.56E-09
4553	741967.42	4110306.12	1.61E-08	2.94E-08	1.61E-09	4.71E-08	2.50E-09	4.81E-09	2.42E-10	7.56E-09	2.43E-09	4.14E-09	3.07E-10	6.88E-09	1.38E-09	2.29E-09	7.57E-11	3.74E-09
4554	741944.57	4110310.57	1.64E-08	2.99E-08	1.64E-09	4.80E-08	2.55E-09	4.91E-09	2.47E-10	7.70E-09	2.48E-09	4.22E-09	3.13E-10	7.01E-09	1.41E-09	2.33E-09	7.72E-11	3.81E-09
4555	741921.72	4110315.03	1.66E-08	3.02E-08	1.66E-09	4.84E-08	2.57E-09	4.94E-09	2.48E-10	7.76E-09	2.50E-09	4.25E-09	3.15E-10	7.07E-09	1.42E-09	2.35E-09	7.78E-11	3.84E-09
4556	741879.71	4110306.25	1.81E-08	3.29E-08	1.81E-09	5.28E-08	2.80E-09	5.39E-09	2.71E-10	8.46E-09	2.72E-09	4.64E-09	3.44E-10	7.71E-09	1.55E-09	2.56E-09	8.48E-11	4.19E-09
4557	741860.56	4110293.02	1.97E-08	3.59E-08	1.97E-09	5.76E-08	3.06E-09	5.89E-09	2.96E-10	9.25E-09	2.97E-09	5.07E-09	3.76E-10	8.42E-09	1.69E-09	2.80E-09	9.27E-11	4.58E-09
4558	741841.4	4110279.79	2.15E-08	3.91E-08	2.15E-09	6.27E-08	3.33E-09	6.41E-09	3.22E-10	1.01E-08	3.24E-09	5.52E-09	4.09E-10	9.16E-09	1.84E-09	3.04E-09	1.01E-10	4.98E-09
4559	741822.25	4110266.56	2.34E-08	4.26E-08	2.34E-09	6.83E-08	3.62E-09	6.98E-09	3.51E-10	1.10E-08	3.52E-09	6.01E-09	4.45E-10	9.97E-09	2.00E-09	3.31E-09	1.10E-10	5.42E-09
4560	742013.12	4110297.21	1.52E-08	2.76E-08	1.52E-09	4.43E-08	2.35E-09	4.53E-09	2.28E-10	7.11E-09	2.29E-09	3.90E-09	2.89E-10	6.47E-09	1.30E-09	2.15E-09	7.12E-11	3.52E-09
4561	742033.23	4110283.72	1.56E-08	2.85E-08	1.56E-09	4.57E-08	2.42E-09	4.67E-09	2.35E-10	7.33E-09	2.36E-09	4.02E-09	2.98E-10	6.67E-09	1.34E-09	2.22E-09	7.35E-11	3.63E-09
4562	742053.34	4110270.23	1.62E-08	2.95E-08	1.62E-09	4.74E-08	2.51E-09	4.84E-09	2.43E-10	7.60E-09	2.44E-09	4.17E-09	3.09E-10	6.92E-09	1.39E-09	2.30E-09	7.62E-11	3.76E-09
4563	742073.45	4110256.74	1.68E-08	3.07E-08	1.68E-09	4.92E-08	2.61E-09	5.03E-09	2.53E-10	7.89E-09	2.54E-09	4.33E-09	3.21E-10	7.19E-09	1.44E-09	2.39E-09	7.91E-11	3.91E-09
4564	742093.56	4110243.24	1.74E-08	3.18E-08	1.75E-09	5.10E-08	2.71E-09	5.21E-09	2.62E-10	8.18E-09	2.63E-09	4.48E-09	3.32E-10	7.45E-09	1.49E-09	2.47E-09	8.20E-11	4.05E-09
4565	742113.67	4110229.75	1.80E-08	3.28E-08	1.80E-09	5.27E-08	2.79E-09	5.38E-09	2.70E-10	8.45E-09	2.72E-09	4.63E-09	3.43E-10	7.69E-09	1.54E-09	2.55E-09	8.47E-11	4.18E-09
4566	742133.78	4110216.26	1.85E-08	3.38E-08	1.85E-09	5.42E-08	2.87E-09	5.54E-09	2.78E-10	8.69E-09	2.80E-09	4.76E-09	3.53E-10	7.91E-09	1.59E-09	2.63E-09	8.71E-11	4.30E-09
4567	742153.89	4110202.77	1.90E-08	3.45E-08	1.90E-09	5.54E-08	2.94E-09	5.66E-09	2.85E-10	8.89E-09	2.86E-09	4.87E-09	3.61E-10	8.09E-09	1.62E-09	2.69E-09	8.91E-11	4.40E-09
4568	742174	4110189.27	1.93E-08	3.52E-08	1.93E-09	5.64E-08	2.99E-09	5.77E-09	2.90E-10	9.05E-09	2.91E-09	4.96E-09	3.68E-10	8.24E-09	1.65E-09	2.74E-09	9.08E-11	4.48E-09
4569	742194.11	4110175.78	1.96E-08	3.58E-08	1.96E-09	5.74E-08	3.04E-09	5.86E-09	2.95E-10	9.20E-09	2.96E-09	5.05E-09	3.74E-10	8.38E-09	1.68E-09	2.78E-09	9.23E-11	4.56E-09
4570	742214.22	4110162.29	1.99E-08	3.62E-08	1.99E-09	5.81E-08	3.08E-09	5.94E-09	2.98E-10	9.32E-09	3.00E-09	5.11E-09	3.79E-10	8.49E-09	1.70E-09	2.82E-09	9.34E-11	4.62E-09
4571	742234.33	4110148.8	2.00E-08	3.65E-08	2.00E-09	5.85E-08	3.10E-09	5.98E-09	3.00E-10	9.39E-09	3.02E-09	5.15E-09	3.81E-10	8.55E-09	1.72E-09	2.84E-09	9.41E-11	4.65E-09
4572	742254.44	4110135.3	2.00E-08	3.65E-08	2.00E-09	5.85E-08	3.10E-09	5.98E-09	3.00E-10	9.38E-09	3.02E-09	5.14E-09	3.81E-10	8.54E-09	1.71E-09	2.84E-09	9.40E-11	4.64E-09
4573	742274.55	4110121.81	1.99E-08	3.62E-08	1.99E-09	5.81E-08	3.08E-09	5.94E-09	2.99E-10	9.33E-09	3.00E-09	5.11E-09	3.79E-10	8.49E-09	1.70E-09	2.82E-09	9.35E-11	4.62E-09
4574	741975.69	4110351.46	1.21E-08	2.21E-08	1.21E-09	3.55E-08	1.88E-09	3.62E-09	1.82E-10	5.69E-09	1.83E-09	3.12E-09	2.31E-10	5.18E-09	1.04E-09	1.72E-09	5.70E-11	2.82E-09
4575	741932.17	4110359.94	1.25E-08	2.28E-08	1.25E-09	3.66E-08	1.94E-09	3.74E-09	1.88E-10	5.87E-09	1.89E-09	3.22E-09	2.39E-10	5.35E-09	1.07E-09	1.78E-09	5.89E-11	2.91E-09
4576	741870.4	4110355.82	1.34E-08	2.44E-08	1.34E-09	3.91E-08	2.08E-09	4.00E-09	2.01E-10	6.28E-09	2.02E-09	3.44E-09	2.55E-10	5.72E-09	1.15E-09	1.90E-09	6.30E-11	3.11E-09
4577	741833.91	4110330.62	1.53E-08	2.78E-08	1.53E-09	4.46E-08	2.37E-09	4.56E-09	2.29E-10	7.16E-09	2.30E-09	3.93E-09	2.91E-10	6.52E-09	1.31E-09	2.17E-09	7.18E-11	3.55E-09
4578	741797.43	4110305.42	1.74E-08	3.17E-08	1.74E-09	5.09E-08	2.70E-09	5.20E-09	2.61E-10	8.17E-09	2.63E-09	4.48E-09	3.32E-10	7.44E-09	1.49E-09	2.47E-09	8.18E-11	4.04E-09
4579	742061.09	4110325.24	1.13E-08	2.06E-08	1.13E-09	3.30E-08	1.75E-09	3.37E-09	1.69E-10	5.29E-09	1.70E-09	2.90E-09	2.15E-10	4.82E-09	9.67E-10	1.60E-09	5.30E-11	2.62E-09
4580	742081.2	4110311.75	1.16E-08	2.10E-08	1.16E-09	3.38E-08	1.79E-09	3.45E-09	1.73E-10	5.42E-09	1.74E-09	2.97E-09	2.20E-10	4.93E-09	9.90E-10	1.64E-09	5.43E-11	2.68E-09
4581	742101.31	4110298.26	1.19E-08	2.16E-08	1.19E-09	3.47E-08	1.84E-09	3.54E-09	1.78E-10	5.56E-09	1.79E-09	3.05E-09	2.26E-10	5.06E-09	1.02E-09	1.68E-09	5.57E-11	2.75E-09
4582	742121.42	4110284.76	1.22E-08	2.22E-08	1.22E-09	3.56E-08	1.89E-09	3.64E-09	1.83E-10	5.71E-09	1.84E-09	3.13E-09	2.32E-10	5.20E-09	1.04E-09	1.73E-09	5.72E-11	2.83E-09
4583	742141.53	4110271.27	1.25E-08	2.27E-08	1.25E-09	3.64E-08	1.93E-09	3.72E-09	1.87E-10	5.84E-09	1.88E-09	3.20E-09	2.37E-10	5.32E-09	1.07E-09	1.77E-09	5.85E-11	2.89E-09
4584	742161.64	4110257.78	1.27E-08	2.31E-08	1.27E-09	3.71E-08	1.97E-09	3.79E-09	1.91E-10	5.95E-09	1.91E-09	3.26E-09	2.42E-10	5.42E-09	1.09E-09	1.80E-09	5.97E-11	2.95E-09
4585	742181.75	4110244.29	1.29E-08	2.35E-08	1.29E-09	3.77E-08	2.00E-09	3.85E-09	1.94E-10	6.05E-09	1.94E-09	3.32E-09	2.46E-10	5.51E-09	1.10E-09	1.83E-09	6.06E-11	2.99E-09
4586	742201.86	4110230.79	1.31E-08	2.38E-08	1.31E-09	3.82E-08	2.03E-09	3.91E-09	1.96E-10	6.13E-09	1.97E-09	3.36E-09	2.49E-10	5.58E-09	1.12E-09	1.85E-09	6.14E-11	3.04E-09
4587	742221.97	4110217.3	1.33E-08	2.42E-08	1.33E-09	3.87E-08	2.06E-09	3.96E-09	1.99E-10	6.22E-09	2.00E-09	3.41E-09	2.53E-10	5.66E-09	1.14E-09	1.88E-09	6.23E-11	3.08E-09
4588	742242.08	4110203.81	1.34E-08	2.45E-08	1.34E-09	3.92E-08	2.08E-09	4.01E-09	2.02E-10	6.29E-09	2.02E-09	3.45E-09	2.56E-10	5.73E-09	1.15E-09	1.90E-09	6.31E-11	3.12E-09
4589	742262.19	4110190.32	1.35E-08	2.47E-08	1.36E-09	3.96E-08	2.10E-09	4.05E-09	2.03E-10	6.35E-09	2.04E-09	3.48E-09	2.58E-10	5.78E-09	1.16E-09	1.92E-09	6.36E-11	3.14E-09
4590	742282.3	4110176.83	1.36E-08	2.48E-08	1.36E-09	3.98E-08	2.11E-09	4.07E-09	2.04E-10	6.39E-09	2.05E-09	3.50E-09	2.60E-10	5.82E-09	1.17E-09	1.93E-09	6.40E-11	3.16E-09
4591	742302.41	4110163.33	1.36E-08	2.48E-08	1.36E-09	3.98E-08	2.11E-09	4.07E-09	2.05E-10	6.39E-09	2.06E-09	3.50E-09	2.60E-10	5.82E-09	1.17E-09	1.93E-09	6.41E-11	3.17E-09
4592	742005.36	4110392.62	9.29E-09	1.69E-08	9.29E-10	2.71E-08	1.44E-09	2.78E-09	1.39E-10	4.35E-09	1.40E-09	2.39E-09	1.77E-10	3.97E-09	7.96E-10	1.32E-09	4.37E-11	2.16E-09
4593	741963.05	4110400.87	9.74E-09	1.77E-08	9.74E-10	2.84E-08	1.51E-09	2.91E-09	1.46E-10	4.56E-09	1.47E-09	2.50E-09	1.86E-10	4.16E-09	8.34E-10	1.38E-09	4.58E-11	2.26E-09
4594	741920.73	4110409.12	9.94E-09	1.81E-08	9.94E-10	2.90E-08	1.54E-09	2.97E-09	1.49E-10	4.66E-09	1.50E-09	2.55E-09	1.89E-10	4.24E-09	8.51E-10	1.41E-09	4.67E-11	2.31E-09
4595	741860.68	4110405.11	1.05E-08	1.91E-08	1.05E-09	3.06E-08	1.62E-09	3.13E-09	1.57E-10	4.91E-09	1.58E-09	2.69E-09	1.99E-10	4.47E-09	8.97E-10	1.48E-09	4.92E-11	2.43E-09
4596	741825.21	4110380.61	1.16E-08	2.12E-08	1.16E-09	3.40E-08	1.80E-09	3.47E-09	1.75E-10	5.45E-09	1.75E-09	2.99E-09	2.22E-10	4.96E-09	9.96E-10	1.65E-09	5.47E-11	2.70E-09
4597	741789.73	4110356.11	1.29E-08	2.34E-08	1.29E-09	3.76E-08	2.00E-09	3.84E-09	1.93E-10	6.03E-09	1.94E-09	3.31E-09	2.45E-10	5.49E-09	1.10E-09	1.82E-09	6.05E-11	2.99E-09
4598	741754.26	4110331.61	1.44E-08	2.63E-08	1.44E-09	4.21E-08	2.23E-09	4.30E-09	2.16E-10	6.75E-09	2.17E-09	3.70E-09	2.75E-10	6.15E-09	1.23E-09	2.04E-09	6.77E-11	3.34E-09
4599	742088.95	4110366.76	8.50E-09	1.55E-08	8.51E-10	2.48E-08	1.32E-09	2.54E-09	1.28E-10	3.99E-09	1.28E-09	2.19E-09	1.62E-10	3.63E-09	7.29E-10	1.21E-09	4.00E-11	1.97E-09
4600	742109.06	4110353.27	8.61E-09	1.57E-08	8.61E-10	2.52E-08	1.33E-09	2.57E-09	1.29E-10	4.04E-09	1.30E-09	2.21E-09	1.64E-10	3.67E-09	7.37E-10	1.22E-09	4.04E-11	2.00E-09
4601	742129.17	4110339.78	8.76E-09	1.60E-08	8.76E-10	2.56E-08	1.36E-09	2.62E-09	1.31E-10	4.11E-09	1.32E-09	2.25E-09	1.67E-10	3.74E-09	7.50E-10	1.24E-09	4.11E-11	2.03E-09
4602	742149.28	4110326.28	8.93E-09	1.63E-08	8.93E-10	2.61E-08	1.38E-09	2.67E-09	1.34E-10	4.18E-09	1.35E-09	2.29E-09	1.70E-10	3.81E-09	7.65E-10	1.27E-09	4.19E-11	2.07E-09
4603	742169.39	4110312.79	9.09E-09	1.66E-08	9.09E-10	2.65E-08	1.41E-09	2.71E-09	1.36E-10	4.26E-09	1.37E-09	2.34E-09	1.73E-10	3.88E-09	7.79E-10	1.29E-09	4.27E-11	2.11E-09
4604	742189.5	4110299.3	9.22E-09	1.68E-08	9.22E-10	2.69E-08	1.43E-09	2.75E-09	1.38E-10	4.32E-09	1.39E-09	2.37E-09	1.76E-10	3.94E-09	7.90E-10	1.31E-09	4.33E-11	2.14E-09

4605	742209.61	4110285.81	9.32E-09	1.70E-08	9.32E-10	2.72E-08	1.45E-09	2.78E-09	1.40E-10	4.37E-09	1.41E-09	2.40E-09	1.78E-10	3.98E-09	7.99E-10	1.32E-09	4.38E-11	2.16E-09
4606	742229.72	4110272.32	9.41E-09	1.71E-08	9.42E-10	2.75E-08	1.46E-09	2.81E-09	1.41E-10	4.41E-09	1.42E-09	2.42E-09	1.79E-10	4.02E-09	8.06E-10	1.33E-09	4.42E-11	2.18E-09
4607	742249.83	4110258.82	9.51E-09	1.73E-08	9.52E-10	2.78E-08	1.48E-09	2.84E-09	1.43E-10	4.46E-09	1.43E-09	2.45E-09	1.81E-10	4.06E-09	8.15E-10	1.35E-09	4.47E-11	2.21E-09
4608	742269.94	4110245.33	9.64E-09	1.76E-08	9.64E-10	2.82E-08	1.49E-09	2.88E-09	1.45E-10	4.52E-09	1.45E-09	2.48E-09	1.84E-10	4.11E-09	8.26E-10	1.37E-09	4.53E-11	2.24E-09
4609	742290.05	4110231.84	9.78E-09	1.78E-08	9.78E-10	2.86E-08	1.52E-09	2.92E-09	1.47E-10	4.58E-09	1.47E-09	2.51E-09	1.86E-10	4.17E-09	8.38E-10	1.39E-09	4.59E-11	2.27E-09
4610	742310.16	4110218.35	9.90E-09	1.80E-08	9.91E-10	2.89E-08	1.54E-09	2.96E-09	1.49E-10	4.64E-09	1.49E-09	2.55E-09	1.89E-10	4.23E-09	8.48E-10	1.40E-09	4.65E-11	2.30E-09
4611	742330.27	4110204.85	9.98E-09	1.82E-08	9.99E-10	2.92E-08	1.55E-09	2.98E-09	1.50E-10	4.68E-09	1.51E-09	2.57E-09	1.90E-10	4.26E-09	8.55E-10	1.42E-09	4.69E-11	2.32E-09
4612	742050.99	4110430.68	7.11E-09	1.30E-08	7.12E-10	2.08E-08	1.10E-09	2.12E-09	1.07E-10	3.33E-09	1.07E-09	1.83E-09	1.36E-10	3.04E-09	6.09E-10	1.01E-09	3.34E-11	1.65E-09
4613	742028.14	4110435.13	7.37E-09	1.34E-08	7.37E-10	2.15E-08	1.14E-09	2.20E-09	1.11E-10	3.45E-09	1.11E-09	1.89E-09	1.40E-10	3.14E-09	6.31E-10	1.04E-09	3.46E-11	1.71E-09
4614	742005.29	4110439.59	7.61E-09	1.39E-08	7.62E-10	2.22E-08	1.18E-09	2.27E-09	1.14E-10	3.57E-09	1.15E-09	1.96E-09	1.45E-10	3.25E-09	6.52E-10	1.08E-09	3.58E-11	1.77E-09
4615	741982.44	4110444.04	7.82E-09	1.43E-08	7.83E-10	2.29E-08	1.21E-09	2.34E-09	1.17E-10	3.67E-09	1.18E-09	2.01E-09	1.49E-10	3.34E-09	6.70E-10	1.11E-09	3.68E-11	1.82E-09
4616	741959.59	4110448.49	7.98E-09	1.45E-08	7.98E-10	2.33E-08	1.24E-09	2.38E-09	1.20E-10	3.74E-09	1.20E-09	2.05E-09	1.52E-10	3.41E-09	6.84E-10	1.13E-09	3.75E-11	1.85E-09
4617	741936.74	4110452.95	8.07E-09	1.47E-08	8.08E-10	2.36E-08	1.25E-09	2.41E-09	1.21E-10	3.78E-09	1.22E-09	2.08E-09	1.54E-10	3.45E-09	6.92E-10	1.14E-09	3.79E-11	1.87E-09
4618	741913.89	4110457.4	8.12E-09	1.48E-08	8.12E-10	2.37E-08	1.26E-09	2.43E-09	1.22E-10	3.81E-09	1.22E-09	2.09E-09	1.55E-10	3.47E-09	6.96E-10	1.15E-09	3.82E-11	1.89E-09
4619	741891.04	4110461.85	8.12E-09	1.48E-08	8.12E-10	2.37E-08	1.26E-09	2.43E-09	1.22E-10	3.81E-09	1.22E-09	2.09E-09	1.55E-10	3.47E-09	6.96E-10	1.15E-09	3.82E-11	1.88E-09
4620	741849.03	4110453.08	8.52E-09	1.55E-08	8.53E-10	2.49E-08	1.32E-09	2.55E-09	1.28E-10	3.99E-09	1.28E-09	2.19E-09	1.62E-10	3.64E-09	7.30E-10	1.21E-09	4.00E-11	1.98E-09
4621	741829.88	4110439.85	8.95E-09	1.63E-08	8.96E-10	2.62E-08	1.39E-09	2.67E-09	1.34E-10	4.20E-09	1.35E-09	2.30E-09	1.71E-10	3.82E-09	7.67E-10	1.27E-09	4.21E-11	2.08E-09
4622	741810.72	4110426.61	9.37E-09	1.71E-08	9.37E-10	2.74E-08	1.45E-09	2.80E-09	1.41E-10	4.39E-09	1.41E-09	2.41E-09	1.78E-10	4.00E-09	8.03E-10	1.33E-09	4.40E-11	2.17E-09
4623	741791.57	4110413.38	9.78E-09	1.78E-08	9.78E-10	2.86E-08	1.52E-09	2.92E-09	1.47E-10	4.58E-09	1.47E-09	2.51E-09	1.86E-10	4.17E-09	8.38E-10	1.39E-09	4.60E-11	2.27E-09
4624	741772.41	4110400.15	1.02E-08	1.86E-08	1.02E-09	2.99E-08	1.59E-09	3.06E-09	1.54E-10	4.80E-09	1.54E-09	2.63E-09	1.95E-10	4.37E-09	8.77E-10	1.45E-09	4.81E-11	2.38E-09
4625	741753.26	4110386.92	1.08E-08	1.96E-08	1.08E-09	3.15E-08	1.67E-09	3.22E-09	1.62E-10	5.05E-09	1.62E-09	2.77E-09	2.05E-10	4.60E-09	9.22E-10	1.53E-09	5.06E-11	2.50E-09
4626	741734.1	4110373.69	1.14E-08	2.07E-08	1.14E-09	3.32E-08	1.76E-09	3.40E-09	1.71E-10	5.33E-09	1.71E-09	2.92E-09	2.17E-10	4.86E-09	9.74E-10	1.61E-09	5.34E-11	2.64E-09
4627	741714.94	4110360.46	1.20E-08	2.19E-08	1.20E-09	3.52E-08	1.87E-09	3.60E-09	1.81E-10	5.64E-09	1.82E-09	3.09E-09	2.29E-10	5.14E-09	1.03E-09	1.71E-09	5.66E-11	2.79E-09
4628	741695.79	4110347.23	1.27E-08	2.32E-08	1.27E-09	3.72E-08	1.97E-09	3.80E-09	1.91E-10	5.96E-09	1.92E-09	3.27E-09	2.42E-10	5.43E-09	1.09E-09	1.80E-09	5.98E-11	2.95E-09
4629	742096.69	4110421.77	6.59E-09	1.20E-08	6.59E-10	1.93E-08	1.02E-09	1.97E-09	9.89E-11	3.09E-09	9.94E-10	1.69E-09	1.26E-10	2.81E-09	5.65E-10	9.34E-10	3.10E-11	1.53E-09
4630	742116.8	4110408.28	6.60E-09	1.20E-08	6.60E-10	1.93E-08	1.02E-09	1.97E-09	9.90E-11	3.09E-09	9.95E-10	1.70E-09	1.26E-10	2.82E-09	5.65E-10	9.36E-10	3.10E-11	1.53E-09
4631	742136.91	4110394.79	6.63E-09	1.21E-08	6.63E-10	1.94E-08	1.03E-09	1.98E-09	9.95E-11	3.11E-09	9.99E-10	1.70E-09	1.26E-10	2.83E-09	5.68E-10	9.40E-10	3.11E-11	1.54E-09
4632	742157.02	4110381.3	6.69E-09	1.22E-08	6.70E-10	1.96E-08	1.04E-09	2.00E-09	1.00E-10	3.14E-09	1.01E-09	1.72E-09	1.28E-10	2.86E-09	5.74E-10	9.49E-10	3.15E-11	1.55E-09
4633	742177.13	4110367.81	6.79E-09	1.24E-08	6.80E-10	1.99E-08	1.05E-09	2.03E-09	1.02E-10	3.19E-09	1.02E-09	1.75E-09	1.29E-10	2.90E-09	5.82E-10	9.63E-10	3.19E-11	1.58E-09
4634	742197.24	4110354.31	6.90E-09	1.26E-08	6.91E-10	2.02E-08	1.07E-09	2.06E-09	1.04E-10	3.24E-09	1.04E-09	1.77E-09	1.32E-10	2.95E-09	5.91E-10	9.79E-10	3.24E-11	1.60E-09
4635	742217.35	4110340.82	6.99E-09	1.27E-08	7.00E-10	2.04E-08	1.08E-09	2.09E-09	1.05E-10	3.28E-09	1.05E-09	1.80E-09	1.33E-10	2.99E-09	5.99E-10	9.91E-10	3.29E-11	1.62E-09
4636	742237.46	4110327.33	7.06E-09	1.29E-08	7.06E-10	2.06E-08	1.09E-09	2.11E-09	1.06E-10	3.31E-09	1.06E-09	1.81E-09	1.35E-10	3.01E-09	6.05E-10	1.00E-09	3.32E-11	1.64E-09
4637	742257.57	4110313.84	7.11E-09	1.29E-08	7.11E-10	2.08E-08	1.10E-09	2.12E-09	1.07E-10	3.33E-09	1.07E-09	1.83E-09	1.35E-10	3.03E-09	6.09E-10	1.01E-09	3.34E-11	1.65E-09
4638	742277.68	4110300.34	7.17E-09	1.31E-08	7.17E-10	2.10E-08	1.11E-09	2.14E-09	1.08E-10	3.36E-09	1.08E-09	1.84E-09	1.37E-10	3.06E-09	6.14E-10	1.02E-09	3.37E-11	1.66E-09
4639	742297.79	4110286.85	7.26E-09	1.32E-08	7.27E-10	2.12E-08	1.13E-09	2.17E-09	1.09E-10	3.41E-09	1.10E-09	1.87E-09	1.38E-10	3.10E-09	6.22E-10	1.03E-09	3.41E-11	1.69E-09
4640	742317.9	4110273.36	7.38E-09	1.35E-08	7.39E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.46E-09	1.11E-09	1.90E-09	1.41E-10	3.15E-09	6.33E-10	1.05E-09	3.47E-11	1.71E-09
4641	742338.01	4110259.87	7.51E-09	1.37E-08	7.52E-10	2.20E-08	1.17E-09	2.24E-09	1.13E-10	3.52E-09	1.13E-09	1.93E-09	1.43E-10	3.21E-09	6.44E-10	1.07E-09	3.53E-11	1.74E-09
4642	742358.12	4110246.37	7.63E-09	1.39E-08	7.63E-10	2.23E-08	1.18E-09	2.28E-09	1.14E-10	3.58E-09	1.15E-09	1.96E-09	1.45E-10	3.26E-09	6.53E-10	1.08E-09	3.58E-11	1.77E-09
4643	742105.54	4110513.95	4.66E-09	8.50E-09	4.67E-10	1.36E-08	7.23E-10	1.39E-09	7.00E-11	2.19E-09	7.03E-10	1.20E-09	8.89E-11	1.99E-09	4.00E-10	6.61E-10	2.19E-11	1.08E-09
4644	742082.1	4110518.52	4.84E-09	8.81E-09	4.84E-10	1.41E-08	7.50E-10	1.44E-09	7.26E-11	2.27E-09	7.29E-10	1.24E-09	9.22E-11	2.06E-09	4.14E-10	6.86E-10	2.27E-11	1.12E-09
4645	742058.66	4110523.09	5.02E-09	9.15E-09	5.02E-10	1.47E-08	7.78E-10	1.50E-09	7.53E-11	2.35E-09	7.57E-10	1.29E-09	9.56E-11	2.14E-09	4.30E-10	7.12E-10	2.36E-11	1.17E-09
4646	742035.23	4110527.65	5.21E-09	9.50E-09	5.21E-10	1.52E-08	8.08E-10	1.56E-09	7.82E-11	2.44E-09	7.86E-10	1.34E-09	9.93E-11	2.23E-09	4.47E-10	7.39E-10	2.45E-11	1.21E-09
4647	742011.79	4110532.22	5.40E-09	9.83E-09	5.40E-10	1.58E-08	8.37E-10	1.61E-09	8.10E-11	2.53E-09	8.14E-10	1.39E-09	1.03E-10	2.30E-09	4.62E-10	7.65E-10	2.54E-11	1.25E-09
4648	741988.35	4110536.79	5.55E-09	1.01E-08	5.55E-10	1.62E-08	8.61E-10	1.66E-09	8.33E-11	2.60E-09	8.37E-10	1.43E-09	1.06E-10	2.37E-09	4.76E-10	7.87E-10	2.61E-11	1.29E-09
4649	741964.92	4110541.36	5.66E-09	1.03E-08	5.67E-10	1.66E-08	8.78E-10	1.69E-09	8.50E-11	2.66E-09	8.54E-10	1.46E-09	1.08E-10	2.42E-09	4.85E-10	8.03E-10	2.66E-11	1.31E-09
4650	741941.48	4110545.92	5.74E-09	1.05E-08	5.74E-10	1.68E-08	8.90E-10	1.71E-09	8.61E-11	2.69E-09	8.65E-10	1.48E-09	1.09E-10	2.45E-09	4.92E-10	8.14E-10	2.70E-11	1.33E-09
4651	741918.04	4110550.49	5.79E-09	1.05E-08	5.79E-10	1.69E-08	8.97E-10	1.73E-09	8.68E-11	2.71E-09	8.72E-10	1.49E-09	1.10E-10	2.47E-09	4.96E-10	8.20E-10	2.72E-11	1.34E-09
4652	741894.61	4110555.06	5.81E-09	1.06E-08	5.81E-10	1.70E-08	9.00E-10	1.73E-09	8.71E-11	2.72E-09	8.75E-10	1.49E-09	1.11E-10	2.48E-09	4.97E-10	8.23E-10	2.73E-11	1.35E-09
4653	741871.17	4110559.63	5.80E-09	1.06E-08	5.80E-10	1.69E-08	8.99E-10	1.73E-09	8.70E-11	2.72E-09	8.74E-10	1.49E-09	1.10E-10	2.47E-09	4.97E-10	8.22E-10	2.72E-11	1.35E-09
4654	741828.09	4110550.62	6.01E-09	1.09E-08	6.01E-10	1.76E-08	9.32E-10	1.80E-09	9.02E-11	2.82E-09	9.06E-10	1.54E-09	1.15E-10	2.57E-09	5.15E-10	8.52E-10	2.82E-11	1.40E-09
4655	741808.44	4110537.05	6.25E-09	1.14E-08	6.25E-10	1.83E-08	9.69E-10	1.87E-09	9.38E-11	2.93E-09	9.42E-10	1.61E-09	1.19E-10	2.67E-09	5.35E-10	8.86E-10	2.94E-11	1.45E-09
4656	741788.79	4110523.48	6.47E-09	1.18E-08	6.47E-10	1.89E-08	1.00E-09	1.93E-09	9.71E-11	3.03E-09	9.76E-10	1.66E-09	1.23E-10	2.76E-09	5.54E-10	9.17E-10	3.04E-11	1.50E-09
4657	741769.15	4110509.91	6.68E-09	1.22E-08	6.68E-10	1.95E-08	1.04E-09	1.99E-09	1.00E-10	3.13E-09	1.01E-09	1.72E-09	1.27E-10	2.85E-09	5.72E-10	9.47E-10	3.14E-11	1.55E-09
4658	741749.5	4110496.34	6.88E-09	1.25E-08	6.89E-10	2.01E-08	1.07E-09	2.06E-09	1.03E-10	3.23E-09	1.04E-09	1.77E-09	1.31E-10	2.94E-09	5.90E-10	9.76E-10	3.23E-11	1.60E-09
4659	741729.85	4110482.77	7.11E-09	1.30E-08	7.12E-10	2.08E-08	1.10E-09	2.13E-09	1.07E-10	3.34E-09	1.07E-09	1.83E-09	1.36E-10	3.04E-09	6.10E-10	1.01E-09	3.34E-11	1.65E-09
4660	741710.21	4110469.2	7.40E-09	1.35E-08	7.40E-10	2.16E-08	1.15E-09	2.21E-09	1.11E-10	3.47E-09	1.12E-09	1.90E-09	1.41E-10	3.16E-09	6.34E-10	1.05E-09	3.48E-11	1.72E-09
4661	741690.56	4110455.63	7.73E-09	1.41E-08	7.74E-10	2.26E-08	1.20E-09	2.31E-09	1.16E-10	3.63E-09	1.17E-09	1.99E-09	1.47E-10	3.30E-09	6.63E-10	1.10E-09	3.63E-11	1.80E-09
4662	741670.91	4110442.06	8.12E-09	1.48E-08	8.13E-10	2.37E-08	1.26E-09	2.43E-09	1.22E-10	3.81E-09	1.22E-09	2.09E-09	1.55E-10	3.47E-09	6.96E-10	1.15E-09	3.82E-11	1.89E-09
4663	741651.27	4110428.49	8.56E-09	1.56E-08	8.56E-10	2.50E-08	1.33E-09	2.56E-09	1.28E-10	4.01E-09	1.29E-09	2.20E-09	1.63E-10	3.65E-09	7.33E-10	1.21E-09	4.02E-11	1.99E-09
4664	741631.62	4110414.92	9.02E-09	1.64E-08	9.02E-10	2.64E-08	1.40E-09	2.69E-09	1.35E-10	4.23E-09	1.36E-09	2.32E-09	1.72E-10	3.85E-09	7.73E-10	1.28E-09	4.24E-11	2.09E-09
4665	741611.98	4110401.35	9.47E-09	1.73E-08	9.48E-10	2.77E-08	1.47E-09	2.83E-09	1.42E-10	4.44E-09	1.43E-09	2.43E-09	1.80E-10	4.04E-09	8.12E-10	1.34E-09	4.45E-11	2.20E-09
4666	742152.41	4110504.82	4.31E-09	7.85E-09	4.31E-10	1.26E-08	6.68E-10	1.29E-09	6.47E-11	2.02E-09	6.50E-10	1.11E-09	8.21E-11	1.84E-09	3.69E-10	6.11E-10	2.02E-11	1.00E-09
4667	742172.52	4110491.32	4.27E-09	7.78E-09	4.27E-10	1.25E-08	6.62E-10	1.27E-09	6.40E-11	2.00E-09	6.43E-10	1.10E-09	8.13E-11	1.82E-09	3.66E-10	6.05E-10	2.01E-11	9.91E-10
4668	742192.63	4110477.83	4.24E-09	7.72E-09	4.24E-10	1.24E-08	6.57E-10	1.27E-09	6.36E-11	1.99E-09	6.39E-10	1.09E-09	8.07E-11	1.81E-09	3.63E-10	6.01E-10	1.99E-11	9.84E-10
4669	742212.74	4110464.34	4.24E-09	7.73E-09	4.24E-10	1.24E-08	6.58E-10	1.27E-09	6.36E-11	1.99E-09	6.39E-10	1.09E-09	8.08E-11	1.81E-09	3.63E-10	6.01E-10	1.99E-11	9.85E-10
4670	742232.85	4110450.85	4.29E-09	7.81E-09	4.29E-10	1.25E-08	6.65E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.17E-11	1.83E-09	3.67E-10	6.08E-10	2.01E-11	9.95E-10
4671	742252.96	4110437.35	4.36E-09	7.95E-09	4.36E-10	1.27E-08	6.76E-10	1.30E-09	6.54E-11	2.04E-09	6.58E-10	1.12E-09	8.31E-11	1.86E-09	3.74E-10	6.18E-10	2.05E-11	1.01E-09
4672	742273.07	4110423.86	4.44E-09	8.08E-09	4.44E-10	1.30E-08	6.88E-10	1.33E-09	6.66E-11	2.08E-09	6.69E-10	1.14E-09	8.45E-11	1.89E-09	3.80E-10	6.29E-10	2.09E-11	1.03E-09
4673	742293.18	4110410.37	4.50E-09	8.19E-09	4.50E-10	1.31E-08	6.97E-10	1.34E-09	6.75E-11	2.11E-09	6.78E-10	1.16E-09	8.57E-11	1.92E-09	3.85E-10	6.37E-10	2.11E-11	1.04E-09
4674	742313.29	4110396.88	4.53E-09	8.26E-09	4.54E-10	1.32E-08	7.03E-10	1.35E-09	6.80E-11	2.13E-09	6.84E-10	1.17E-09	8.64E-11	1.94E-09	3.88E-10	6.43E-10	2.13E-11	1.05E-09
4675	742333.4	4110383.39	4.56E-09	8.31E-09	4.57E-10	1.33E-08	7.08E-10	1.36E-09	6.85E-11	2.14E-09	6.88E-10	1.17E-09	8.70E-11	1.95E-09	3.91E-10	6.47E-10	2.14E-11	1.06E-09
4676	742353.51	4110369.89	4.60E-09	8.38E-09	4.60E-10	1.34E-08	7.13E-10	1.37E-09	6.90E-11	2.16E-09	6.94E-10	1.18E-09	8.77E-11	1.96E-09	3.94E-10	6.52E-10	2.16E-11	1.07E-09
4677	742373.62	4110356.4	4.66E-09	8.50E-09	4.67E-10	1.36E-08	7.23E-10	1.39E-09	7.00E-11	2.19E-09	7.03E-10	1.20E-09	8.88E-11	1.99E-09	4.00E-10	6.61E-10	2.19E-11	1.08E-09
4678	742393.73	4110342.91	4.75E-09	8.65E-09	4.75E-10	1.39E-08	7.36E-10	1.42E-09	7.13E-11	2.23E-09	7.16E-10	1.22E-09	9.05E-11	2.03E-09	4.07E-10	6.73E-10	2.23E-11	1.10E-09
4679	742413.84	4110329.42	4.85E-09	8.83E-09	4.85E-10	1.42E-08	7.51E-10	1.45E-09	7.27E-11	2.27E-09	7.31E-10	1.25E-09	9.23E-11	2.07E-09	4.15E-10	6.87E-10	2.28E-11	1.13E-09
4680	742163.32	4110596.59	3.26E-09	5.94E-09	3.26E-10	9.53E-09	5.06E-10	9.75E-10	4.90E-11	1.53E-09	4.92E-10	8.39E-10	6.22E-11	1.39E-09	2.80E-10	4.63E-10	1.53E-11	7.57E-10
4681	742140.92	4110600.96	3.37E-09	6.15E-09	3.38E-10	9.86E-09	5.23E-10	1.01E-09	5.07E-11	1.58E-09	5.09E-10	8.68E-10	6.43E-11	1.44E-09	2.89E-10	4.79E-10	1.59E-11	7.84E-10
4682	742118.51	4110605.32	3.49E-09	6.35E-09	3.49E-10	1.02E-08	5.41E-10	1.04E-09	5.23E-11	1.63E-09	5.26E-10	8.96E-10	6.64E-11	1.49E-09	2.99E-10	4.94E-10	1.64E-11	8.09E-10
4683	742096.11	4110609.69	3.60E-09	6.57E-09	3.61E-10	1.05E-08	5.59E-10	1.08E-09	5.41E-11	1.69E-09	5.43E-10	9.26E-10	6.87E-11	1.54E-09	3.09E-10	5.11E-10	1.69E-11	8.37E-10
4684	742073.71	4110614.05	3.73E-09	6.80E-09	3.73E-10	1.09E-08	5.79E-10	1.11E-09	5.60E-11	1.75E-09	5.63E-10	9.59E-10	7.11E-11	1.59E-09	3.20E-10	5.29E-10	1.75E-11	8.66E-10
4685	742051.3	4110618.42	3.87E-09	7.04E-09	3.87E-10	1.13E-08	5.99E-10	1.15E-09	5.80E-11	1.81E-09	5.83E-10	9.94E-10	7.37E-11	1.65E-09	3.31E-10	5.48E-10	1.82E-11	8.97E-10
4686	742028.9	4110622.79	4.00E-09	7.28E-09	4.00E-10	1.17E-08	6.20E-10	1.19E-09	6.00E-11	1.87E-09	6.03E-10	1.03E-09	7.62E-11	1.71E-09	3.42E-10	5.67E-10	1.88E-11	9.28E-10
4687	742006.5	4110627.15	4.11E-09	7.49E-09	4.11E-10	1.20E-08	6.38E-10	1.23E-09	6.17E-11	1.93E-09	6.20E-10	1.06E-09	7.84E-11	1.76E-09	3.52E-10	5.83E-10	1.93E-11	9.55E-10
4688	741984.1	4110631.52	4.21E-09	7.67E-09	4.21E-10	1.23E-08	6.52E-10	1.26E-09	6.31E-11	1.97E-09	6.34E-10	1.08E-09	8.02E-11	1.80E-09	3.60E-10	5.97E-10	1.98E-11	9.77E-10
4689	741961.69	4110635.88	4.28E-09	7.80E-09	4.28E-10	1.25E-08	6.64E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.16E-11	1.83E-09	3.67E-10	6.07E-10	2.01E-11	9.94E-10
4690	741939.29	4110640.25	4.34E-09	7.91E-09	4.34E-10	1.27E-08	6.73E-10	1.30E-09	6.51E-11	2.03E-09	6.55E-10	1.12E-09	8.27E-11	1.85E-09	3.72E-10	6.15E-10	2.04E-11	1.01E-09
4691	741916.89	4110644.62	4.38E-09	7.99E-09	4.39E-10	1.28E-08	6.80E-10	1.31E-09	6.58E-11	2.06E-09	6.61E-10	1.13E-09	8.36E-11	1.87E-09	3.76E-10	6.22E-10	2.06E-11	1.02E-09
4692	741894.49	4110648.98	4.41E-09	8.04E-09	4.42E-10	1.29E-08	6.84E-10	1.32E-09	6.62E-11	2.07E-09	6.66E-10	1.13E-09	8.41E-11	1.88E-09	3.78E-10	6.26E-10	2.07E-11	1.02E-09
4693	741872.08	4110653.35	4.42E-09	8.06E-09	4.42E-10	1.29E-08	6.86E-10	1.32E-09	6.64E-11	2.07E-09	6.67E-10	1.14E-09	8.43E-11	1.89E-09	3.79E-10	6.27E-10	2.08E-11	1.03E-09
4694	741849.68	4110657.71	4.41E-09	8.04E-09	4.41E-10	1.29E-08	6.84E-10	1.32E-09	6.62E-11	2.07E-09	6.65E-10	1.13E-09	8.40E-11	1.88E-09	3.78E-10	6.25E-10	2.07E-11	1.02E-09
4695	741808.5	4110649.11	4.52E-09	8.24E-09	4.52E-10	1.32E-08	7.01E-10	1.35E-09	6.79E-11	2.12E-09	6.82E-10	1.16E-09	8.62E-11	1.93E-09	3.87E-10	6.41E-10	2.12E-11	1.05E-09
4696	741789.72	4110636.14	4.66E-09	8.49E-09	4.66E-10	1.36E-08	7.22E-10	1.39E-09	6.99E-11	2.18E-09	7.02E-10	1.20E-09	8.87E-11	1.99E-09	3.99E-10	6.60E-10	2.19E-11	1.08E-09
4697	741770.94	4110623.16	4.78E-09	8.72E-09	4.79E-10	1.40E-08	7.42E-10	1.43E-09	7.18E-11	2.24E-09	7.21E-10	1.23E-09	9.11E-11	2.04E-09	4.10E-10	6.78E-10	2.25E-11	1.11E-09
4698	741752.16	4110610.19	4.90E-09	8.93E-09	4.90E-10	1.43E-08	7.60E-10	1.46E-09	7.36E-11	2.30E-09	7.39E-10	1.26E-09	9.34E-11	2.09E-09	4.20E-10	6.95E-10	2.30E-11	1.14E-09
4699	741733.38	4110597.22	5.01E-09	9.13E-09	5.01E-10	1.46E-08	7.77E-10	1.50E-09	7.52E-11	2.35E-09	7.55E-10	1.29E-09	9.55E-11	2.14E-09	4.29E-10	7.10E-10	2.35E-11	1.16E-09
4700	741714.6	4110584.25	5.12E-09	9.32E-09	5.12E-10	1.49E-08	7.93E-10	1.53E-09	7.68E-11	2.40E-09	7.71E-10	1.31E-09	9.75E-11	2.18E-09	4.38E-10	7.25E-10	2.40E-11	1.19E-09

4701	741695.82	4110571.28	5.23E-09	9.53E-09	5.23E-10	1.53E-08	8.11E-10	1.56E-09	7.85E-11	2.45E-09	7.89E-10	1.34E-09	9.97E-11	2.23E-09	4.48E-10	7.42E-10	2.46E-11	1.21E-09
4702	741677.04	4110558.31	5.37E-09	9.78E-09	5.37E-10	1.57E-08	8.33E-10	1.60E-09	8.06E-11	2.52E-09	8.10E-10	1.38E-09	1.02E-10	2.29E-09	4.60E-10	7.61E-10	2.52E-11	1.25E-09
4703	741658.26	4110545.34	5.54E-09	1.01E-08	5.54E-10	1.62E-08	8.59E-10	1.66E-09	8.32E-11	2.60E-09	8.36E-10	1.42E-09	1.06E-10	2.37E-09	4.75E-10	7.86E-10	2.60E-11	1.29E-09
4704	741639.48	4110532.36	5.75E-09	1.05E-08	5.75E-10	1.68E-08	8.91E-10	1.72E-09	8.63E-11	2.69E-09	8.67E-10	1.48E-09	1.10E-10	2.45E-09	4.92E-10	8.15E-10	2.70E-11	1.33E-09
4705	741620.7	4110519.39	5.98E-09	1.09E-08	5.99E-10	1.75E-08	9.28E-10	1.79E-09	8.98E-11	2.81E-09	9.03E-10	1.54E-09	1.14E-10	2.56E-09	5.13E-10	8.49E-10	2.81E-11	1.39E-09
4706	741601.92	4110506.42	6.25E-09	1.14E-08	6.26E-10	1.83E-08	9.70E-10	1.87E-09	9.39E-11	2.93E-09	9.43E-10	1.61E-09	1.19E-10	2.67E-09	5.36E-10	8.87E-10	2.94E-11	1.45E-09
4707	741583.14	4110493.45	6.55E-09	1.19E-08	6.56E-10	1.91E-08	1.02E-09	1.96E-09	9.83E-11	3.07E-09	9.88E-10	1.68E-09	1.25E-10	2.80E-09	5.62E-10	9.29E-10	3.08E-11	1.52E-09
4708	741564.36	4110480.48	6.87E-09	1.25E-08	6.87E-10	2.01E-08	1.07E-09	2.05E-09	1.03E-10	3.22E-09	1.04E-09	1.77E-09	1.31E-10	2.93E-09	5.89E-10	9.74E-10	3.23E-11	1.59E-09
4709	741545.58	4110467.51	7.18E-09	1.31E-08	7.18E-10	2.10E-08	1.11E-09	2.14E-09	1.08E-10	3.36E-09	1.08E-09	1.84E-09	1.37E-10	3.06E-09	6.15E-10	1.02E-09	3.37E-11	1.67E-09
4710	741526.8	4110454.54	7.45E-09	1.36E-08	7.45E-10	2.18E-08	1.16E-09	2.23E-09	1.12E-10	3.49E-09	1.12E-09	1.91E-09	1.42E-10	3.18E-09	6.38E-10	1.06E-09	3.50E-11	1.73E-09
4711	742208.12	4110587.86	3.01E-09	5.49E-09	3.01E-10	8.80E-09	4.67E-10	9.00E-10	4.52E-11	1.41E-09	4.54E-10	7.74E-10	5.74E-11	1.29E-09	2.58E-10	4.27E-10	1.42E-11	6.99E-10
4712	742228.23	4110574.36	2.96E-09	5.40E-09	2.97E-10	8.66E-09	4.60E-10	8.85E-10	4.45E-11	1.39E-09	4.47E-10	7.62E-10	5.65E-11	1.27E-09	2.54E-10	4.20E-10	1.39E-11	6.88E-10
4713	742248.34	4110560.87	2.93E-09	5.34E-09	2.93E-10	8.56E-09	4.54E-10	8.75E-10	4.40E-11	1.37E-09	4.42E-10	7.53E-10	5.58E-11	1.25E-09	2.51E-10	4.15E-10	1.38E-11	6.80E-10
4714	742268.45	4110547.38	2.93E-09	5.33E-09	2.93E-10	8.55E-09	4.54E-10	8.74E-10	4.39E-11	1.37E-09	4.41E-10	7.52E-10	5.58E-11	1.25E-09	2.51E-10	4.15E-10	1.38E-11	6.79E-10
4715	742288.56	4110533.89	2.96E-09	5.40E-09	2.96E-10	8.66E-09	4.59E-10	8.85E-10	4.45E-11	1.39E-09	4.47E-10	7.62E-10	5.64E-11	1.26E-09	2.54E-10	4.20E-10	1.39E-11	6.88E-10
4716	742308.67	4110520.4	3.03E-09	5.51E-09	3.03E-10	8.84E-09	4.69E-10	9.04E-10	4.54E-11	1.42E-09	4.56E-10	7.78E-10	5.77E-11	1.29E-09	2.59E-10	4.29E-10	1.42E-11	7.03E-10
4717	742328.78	4110506.9	3.09E-09	5.64E-09	3.10E-10	9.04E-09	4.80E-10	9.24E-10	4.64E-11	1.45E-09	4.67E-10	7.95E-10	5.90E-11	1.32E-09	2.65E-10	4.39E-10	1.45E-11	7.18E-10
4718	742348.89	4110493.41	3.15E-09	5.73E-09	3.15E-10	9.19E-09	4.88E-10	9.40E-10	4.72E-11	1.47E-09	4.74E-10	8.09E-10	5.99E-11	1.34E-09	2.70E-10	4.46E-10	1.48E-11	7.30E-10
4719	742369	4110479.92	3.18E-09	5.79E-09	3.18E-10	9.29E-09	4.93E-10	9.50E-10	4.77E-11	1.49E-09	4.79E-10	8.17E-10	6.06E-11	1.36E-09	2.72E-10	4.51E-10	1.49E-11	7.38E-10
4720	742389.11	4110466.43	3.20E-09	5.83E-09	3.20E-10	9.35E-09	4.96E-10	9.56E-10	4.80E-11	1.50E-09	4.83E-10	8.23E-10	6.10E-11	1.37E-09	2.74E-10	4.54E-10	1.50E-11	7.43E-10
4721	742409.22	4110452.93	3.22E-09	5.88E-09	3.23E-10	9.42E-09	5.00E-10	9.63E-10	4.84E-11	1.51E-09	4.86E-10	8.29E-10	6.14E-11	1.38E-09	2.76E-10	4.57E-10	1.52E-11	7.49E-10
4722	742429.33	4110439.44	3.26E-09	5.95E-09	3.27E-10	9.54E-09	5.06E-10	9.75E-10	4.90E-11	1.53E-09	4.92E-10	8.39E-10	6.22E-11	1.39E-09	2.80E-10	4.63E-10	1.53E-11	7.58E-10
4723	742449.44	4110425.95	3.32E-09	6.06E-09	3.33E-10	9.71E-09	5.15E-10	9.93E-10	4.99E-11	1.56E-09	5.01E-10	8.54E-10	6.33E-11	1.42E-09	2.85E-10	4.71E-10	1.56E-11	7.72E-10
4724	742469.55	4110412.46	3.39E-09	6.18E-09	3.40E-10	9.92E-09	5.26E-10	1.01E-09	5.09E-11	1.59E-09	5.12E-10	8.73E-10	6.47E-11	1.45E-09	2.91E-10	4.81E-10	1.60E-11	7.88E-10
4725	742218.14	4110679.81	2.41E-09	4.38E-09	2.41E-10	7.03E-09	3.73E-10	7.19E-10	3.61E-11	1.13E-09	3.63E-10	6.19E-10	4.59E-11	1.03E-09	2.06E-10	3.41E-10	1.13E-11	5.59E-10
4726	742195.29	4110684.26	2.49E-09	4.54E-09	2.50E-10	7.29E-09	3.87E-10	7.45E-10	3.74E-11	1.17E-09	3.76E-10	6.41E-10	4.75E-11	1.06E-09	2.14E-10	3.54E-10	1.17E-11	5.79E-10
4727	742172.44	4110688.71	2.58E-09	4.70E-09	2.58E-10	7.53E-09	4.00E-10	7.70E-10	3.87E-11	1.21E-09	3.89E-10	6.63E-10	4.91E-11	1.10E-09	2.21E-10	3.66E-10	1.21E-11	5.99E-10
4728	742149.58	4110693.17	2.66E-09	4.85E-09	2.66E-10	7.78E-09	4.13E-10	7.95E-10	4.00E-11	1.25E-09	4.01E-10	6.84E-10	5.07E-11	1.14E-09	2.28E-10	3.77E-10	1.25E-11	6.18E-10
4729	742126.73	4110697.62	2.75E-09	5.01E-09	2.75E-10	8.03E-09	4.26E-10	8.21E-10	4.13E-11	1.29E-09	4.15E-10	7.07E-10	5.24E-11	1.17E-09	2.36E-10	3.90E-10	1.29E-11	6.38E-10
4730	742103.88	4110702.07	2.84E-09	5.18E-09	2.84E-10	8.30E-09	4.41E-10	8.49E-10	4.27E-11	1.33E-09	4.29E-10	7.31E-10	5.42E-11	1.21E-09	2.44E-10	4.03E-10	1.34E-11	6.60E-10
4731	742081.03	4110706.53	2.94E-09	5.36E-09	2.94E-10	8.59E-09	4.56E-10	8.79E-10	4.41E-11	1.38E-09	4.44E-10	7.56E-10	5.60E-11	1.26E-09	2.52E-10	4.17E-10	1.38E-11	6.83E-10
4732	742058.18	4110710.98	3.04E-09	5.54E-09	3.04E-10	8.89E-09	4.72E-10	9.09E-10	4.57E-11	1.43E-09	4.59E-10	7.82E-10	5.80E-11	1.30E-09	2.61E-10	4.31E-10	1.43E-11	7.06E-10
4733	742035.33	4110715.43	3.14E-09	5.72E-09	3.14E-10	9.17E-09	4.86E-10	9.37E-10	4.71E-11	1.47E-09	4.73E-10	8.06E-10	5.98E-11	1.34E-09	2.69E-10	4.45E-10	1.47E-11	7.28E-10
4734	742012.48	4110719.89	3.22E-09	5.87E-09	3.22E-10	9.41E-09	4.99E-10	9.62E-10	4.83E-11	1.51E-09	4.85E-10	8.28E-10	6.13E-11	1.37E-09	2.76E-10	4.56E-10	1.51E-11	7.47E-10
4735	741989.63	4110724.34	3.29E-09	5.99E-09	3.29E-10	9.61E-09	5.10E-10	9.83E-10	4.94E-11	1.54E-09	4.96E-10	8.46E-10	6.27E-11	1.40E-09	2.82E-10	4.66E-10	1.55E-11	7.64E-10
4736	741966.78	4110728.79	3.35E-09	6.10E-09	3.35E-10	9.79E-09	5.19E-10	1.00E-09	5.03E-11	1.57E-09	5.05E-10	8.61E-10	6.38E-11	1.43E-09	2.87E-10	4.75E-10	1.57E-11	7.78E-10
4737	741943.93	4110733.24	3.40E-09	6.20E-09	3.40E-10	9.94E-09	5.28E-10	1.02E-09	5.11E-11	1.59E-09	5.13E-10	8.75E-10	6.48E-11	1.45E-09	2.92E-10	4.82E-10	1.60E-11	7.90E-10
4738	741921.08	4110737.7	3.45E-09	6.28E-09	3.45E-10	1.01E-08	5.35E-10	1.03E-09	5.18E-11	1.62E-09	5.20E-10	8.86E-10	6.57E-11	1.47E-09	2.95E-10	4.89E-10	1.62E-11	8.01E-10
4739	741898.23	4110742.15	3.49E-09	6.35E-09	3.49E-10	1.02E-08	5.40E-10	1.04E-09	5.23E-11	1.63E-09	5.26E-10	8.96E-10	6.64E-11	1.49E-09	2.99E-10	4.94E-10	1.64E-11	8.09E-10
4740	741875.38	4110746.6	3.51E-09	6.39E-09	3.51E-10	1.03E-08	5.44E-10	1.05E-09	5.27E-11	1.65E-09	5.29E-10	9.02E-10	6.69E-11	1.50E-09	3.01E-10	4.97E-10	1.65E-11	8.15E-10
4741	741852.53	4110751.06	3.52E-09	6.41E-09	3.52E-10	1.03E-08	5.45E-10	1.05E-09	5.28E-11	1.65E-09	5.30E-10	9.04E-10	6.70E-11	1.50E-09	3.01E-10	4.98E-10	1.65E-11	8.16E-10
4742	741829.68	4110755.51	3.51E-09	6.39E-09	3.51E-10	1.02E-08	5.44E-10	1.05E-09	5.26E-11	1.64E-09	5.29E-10	9.01E-10	6.68E-11	1.50E-09	3.00E-10	4.97E-10	1.65E-11	8.14E-10
4743	741787.67	4110746.73	3.58E-09	6.52E-09	3.58E-10	1.05E-08	5.55E-10	1.07E-09	5.37E-11	1.68E-09	5.39E-10	9.19E-10	6.81E-11	1.53E-09	3.06E-10	5.07E-10	1.68E-11	8.30E-10
4744	741768.51	4110733.5	3.66E-09	6.68E-09	3.67E-10	1.07E-08	5.68E-10	1.09E-09	5.50E-11	1.72E-09	5.53E-10	9.42E-10	6.98E-11	1.56E-09	3.14E-10	5.20E-10	1.72E-11	8.51E-10
4745	741749.36	4110720.27	3.75E-09	6.83E-09	3.75E-10	1.10E-08	5.81E-10	1.12E-09	5.62E-11	1.76E-09	5.65E-10	9.63E-10	7.14E-11	1.60E-09	3.21E-10	5.31E-10	1.76E-11	8.70E-10
4746	741730.2	4110707.04	3.82E-09	6.97E-09	3.82E-10	1.12E-08	5.93E-10	1.14E-09	5.74E-11	1.79E-09	5.76E-10	9.83E-10	7.28E-11	1.63E-09	3.28E-10	5.42E-10	1.80E-11	8.88E-10
4747	741711.05	4110693.81	3.89E-09	7.09E-09	3.89E-10	1.14E-08	6.03E-10	1.16E-09	5.84E-11	1.82E-09	5.87E-10	1.00E-09	7.41E-11	1.66E-09	3.33E-10	5.52E-10	1.83E-11	9.03E-10
4748	741691.89	4110680.58	3.95E-09	7.20E-09	3.95E-10	1.15E-08	6.13E-10	1.18E-09	5.93E-11	1.85E-09	5.96E-10	1.02E-09	7.53E-11	1.69E-09	3.39E-10	5.60E-10	1.86E-11	9.17E-10
4749	741672.74	4110667.35	4.01E-09	7.31E-09	4.02E-10	1.17E-08	6.22E-10	1.20E-09	6.02E-11	1.88E-09	6.05E-10	1.03E-09	7.65E-11	1.71E-09	3.44E-10	5.69E-10	1.89E-11	9.32E-10
4750	741653.58	4110654.12	4.08E-09	7.44E-09	4.09E-10	1.19E-08	6.33E-10	1.22E-09	6.13E-11	1.91E-09	6.16E-10	1.05E-09	7.78E-11	1.74E-09	3.50E-10	5.79E-10	1.92E-11	9.48E-10
4751	741634.43	4110640.89	4.17E-09	7.60E-09	4.17E-10	1.22E-08	6.47E-10	1.25E-09	6.26E-11	1.96E-09	6.29E-10	1.07E-09	7.95E-11	1.78E-09	3.57E-10	5.91E-10	1.96E-11	9.69E-10
4752	741615.27	4110627.66	4.28E-09	7.80E-09	4.29E-10	1.25E-08	6.64E-10	1.28E-09	6.43E-11	2.01E-09	6.46E-10	1.10E-09	8.16E-11	1.83E-09	3.67E-10	6.07E-10	2.01E-11	9.94E-10
4753	741596.12	4110614.43	4.42E-09	8.05E-09	4.42E-10	1.29E-08	6.85E-10	1.32E-09	6.63E-11	2.07E-09	6.66E-10	1.14E-09	8.42E-11	1.89E-09	3.79E-10	6.26E-10	2.08E-11	1.03E-09
4754	741576.96	4110601.19	4.58E-09	8.34E-09	4.58E-10	1.34E-08	7.10E-10	1.37E-09	6.87E-11	2.15E-09	6.90E-10	1.18E-09	8.72E-11	1.95E-09	3.92E-10	6.49E-10	2.15E-11	1.06E-09
4755	741557.81	4110587.96	4.76E-09	8.67E-09	4.76E-10	1.39E-08	7.38E-10	1.42E-09	7.14E-11	2.23E-09	7.18E-10	1.22E-09	9.07E-11	2.03E-09	4.08E-10	6.75E-10	2.24E-11	1.10E-09
4756	741538.65	4110574.73	4.96E-09	9.04E-09	4.96E-10	1.45E-08	7.69E-10	1.48E-09	7.45E-11	2.33E-09	7.48E-10	1.28E-09	9.45E-11	2.12E-09	4.25E-10	7.03E-10	2.33E-11	1.15E-09
4757	741519.49	4110561.5	5.18E-09	9.44E-09	5.19E-10	1.51E-08	8.04E-10	1.55E-09	7.78E-11	2.43E-09	7.82E-10	1.33E-09	9.88E-11	2.21E-09	4.44E-10	7.35E-10	2.44E-11	1.20E-09
4758	741500.34	4110548.27	5.42E-09	9.87E-09	5.42E-10	1.58E-08	8.40E-10	1.62E-09	8.13E-11	2.54E-09	8.17E-10	1.39E-09	1.03E-10	2.31E-09	4.64E-10	7.68E-10	2.55E-11	1.26E-09
4759	741481.18	4110535.04	5.65E-09	1.03E-08	5.65E-10	1.65E-08	8.76E-10	1.69E-09	8.48E-11	2.65E-09	8.52E-10	1.45E-09	1.08E-10	2.41E-09	4.84E-10	8.01E-10	2.65E-11	1.31E-09
4760	741462.03	4110521.81	5.86E-09	1.07E-08	5.86E-10	1.71E-08	9.09E-10	1.75E-09	8.79E-11	2.75E-09	8.84E-10	1.51E-09	1.12E-10	2.50E-09	5.02E-10	8.31E-10	2.75E-11	1.36E-09
4761	741442.87	4110508.58	6.04E-09	1.10E-08	6.04E-10	1.76E-08	9.36E-10	1.80E-09	9.06E-11	2.83E-09	9.10E-10	1.55E-09	1.15E-10	2.58E-09	5.17E-10	8.56E-10	2.84E-11	1.40E-09
4762	742263.84	4110670.9	2.22E-09	4.05E-09	2.23E-10	6.50E-09	3.45E-10	6.64E-10	3.34E-11	1.04E-09	3.35E-10	5.72E-10	4.24E-11	9.49E-10	1.91E-10	3.15E-10	1.05E-11	5.16E-10
4763	742283.95	4110657.41	2.19E-09	3.99E-09	2.19E-10	6.40E-09	3.39E-10	6.54E-10	3.29E-11	1.03E-09	3.30E-10	5.63E-10	4.17E-11	9.35E-10	1.88E-10	3.10E-10	1.03E-11	5.08E-10
4764	742304.06	4110643.91	2.17E-09	3.95E-09	2.17E-10	6.33E-09	3.36E-10	6.47E-10	3.25E-11	1.02E-09	3.27E-10	5.57E-10	4.13E-11	9.25E-10	1.86E-10	3.07E-10	1.02E-11	5.03E-10
4765	742324.17	4110630.42	2.17E-09	3.95E-09	2.17E-10	6.33E-09	3.36E-10	6.47E-10	3.25E-11	1.02E-09	3.27E-10	5.57E-10	4.13E-11	9.25E-10	1.86E-10	3.07E-10	1.02E-11	5.03E-10
4766	742344.28	4110616.93	2.19E-09	3.99E-09	2.19E-10	6.40E-09	3.40E-10	6.54E-10	3.29E-11	1.03E-09	3.30E-10	5.63E-10	4.17E-11	9.35E-10	1.88E-10	3.11E-10	1.03E-11	5.09E-10
4767	742364.39	4110603.44	2.24E-09	4.08E-09	2.24E-10	6.54E-09	3.47E-10	6.68E-10	3.36E-11	1.05E-09	3.37E-10	5.75E-10	4.26E-11	9.55E-10	1.92E-10	3.17E-10	1.05E-11	5.19E-10
4768	742384.5	4110589.94	2.29E-09	4.17E-09	2.29E-10	6.69E-09	3.55E-10	6.84E-10	3.44E-11	1.07E-09	3.45E-10	5.89E-10	4.36E-11	9.78E-10	1.96E-10	3.25E-10	1.08E-11	5.32E-10
4769	742404.61	4110576.45	2.34E-09	4.26E-09	2.34E-10	6.83E-09	3.62E-10	6.98E-10	3.51E-11	1.10E-09	3.52E-10	6.01E-10	4.45E-11	9.98E-10	2.00E-10	3.31E-10	1.10E-11	5.43E-10
4770	742424.72	4110562.96	2.37E-09	4.32E-09	2.37E-10	6.93E-09	3.68E-10	7.09E-10	3.56E-11	1.11E-09	3.58E-10	6.10E-10	4.52E-11	1.01E-09	2.03E-10	3.36E-10	1.11E-11	5.51E-10
4771	742444.83	4110549.47	2.40E-09	4.37E-09	2.40E-10	7.00E-09	3.72E-10	7.16E-10	3.60E-11	1.12E-09	3.61E-10	6.16E-10	4.57E-11	1.02E-09	2.05E-10	3.40E-10	1.13E-11	5.56E-10
4772	742464.94	4110535.98	2.42E-09	4.41E-09	2.42E-10	7.07E-09	3.75E-10	7.23E-10	3.63E-11	1.14E-09	3.65E-10	6.22E-10	4.61E-11	1.03E-09	2.07E-10	3.43E-10	1.14E-11	5.62E-10
4773	742485.05	4110522.48	2.45E-09	4.47E-09	2.46E-10	7.17E-09	3.81E-10	7.33E-10	3.68E-11	1.15E-09	3.70E-10	6.31E-10	4.68E-11	1.05E-09	2.10E-10	3.48E-10	1.15E-11	5.70E-10
4774	742505.16	4110508.99	2.50E-09	4.55E-09	2.50E-10	7.30E-09	3.88E-10	7.47E-10	3.75E-11	1.17E-09	3.77E-10	6.42E-10	4.76E-11	1.07E-09	2.14E-10	3.54E-10	1.17E-11	5.80E-10
4775	742525.27	4110495.5	2.55E-09	4.65E-09	2.55E-10	7.45E-09	3.96E-10	7.62E-10	3.83E-11	1.20E-09	3.85E-10	6.56E-10	4.86E-11	1.09E-09	2.19E-10	3.62E-10	1.20E-11	5.92E-10
4776	742273.19	4110762.98	1.85E-09	3.37E-09	1.85E-10	5.40E-09	2.87E-10	5.52E-10	2.78E-11	8.67E-10	2.79E-10	4.75E-10	3.52E-11	7.89E-10	1.58E-10	2.62E-10	8.69E-12	4.29E-10
4777	742250.01	4110767.49	1.92E-09	3.49E-09	1.92E-10	5.60E-09	2.97E-10	5.72E-10	2.87E-11	8.98E-10	2.89E-10	4.92E-10	3.65E-11	8.18E-10	1.64E-10	2.72E-10	9.00E-12	4.45E-10
4778	742226.83	4110772.01	1.98E-09	3.61E-09	1.98E-10	5.79E-09	3.07E-10	5.92E-10	2.97E-11	9.29E-10	2.99E-10	5.09E-10	3.77E-11	8.46E-10	1.70E-10	2.81E-10	9.31E-12	4.60E-10
4779	742203.64	4110776.53	2.05E-09	3.73E-09	2.05E-10	5.98E-09	3.17E-10	6.11E-10	3.07E-11	9.59E-10	3.09E-10	5.26E-10	3.90E-11	8.73E-10	1.75E-10	2.90E-10	9.61E-12	4.75E-10
4780	742180.46	4110781.05	2.11E-09	3.85E-09	2.11E-10	6.17E-09	3.27E-10	6.31E-10	3.17E-11	9.90E-10	3.18E-10	5.43E-10	4.02E-11	9.01E-10	1.81E-10	2.99E-10	9.92E-12	4.90E-10
4781	742157.28	4110785.57	2.18E-09	3.97E-09	2.18E-10	6.37E-09	3.38E-10	6.51E-10	3.27E-11	1.02E-09	3.28E-10	5.60E-10	4.15E-11	9.30E-10	1.87E-10	3.09E-10	1.02E-11	5.06E-10
4782	742134.1	4110790.08	2.25E-09	4.10E-09	2.25E-10	6.57E-09	3.49E-10	6.72E-10	3.37E-11	1.05E-09	3.39E-10	5.78E-10	4.28E-11	9.60E-10	1.93E-10	3.19E-10	1.06E-11	5.22E-10
4783	742110.92	4110794.6	2.32E-09	4.23E-09	2.32E-10	6.79E-09	3.60E-10	6.94E-10	3.49E-11	1.09E-09	3.50E-10	5.97E-10	4.43E-11	9.92E-10	1.99E-10	3.29E-10	1.09E-11	5.39E-10
4784	742087.73	4110799.12	2.40E-09	4.37E-09	2.40E-10	7.01E-09	3.72E-10	7.17E-10	3.60E-11	1.13E-09	3.62E-10	6.17E-10	4.57E-11	1.02E-09	2.06E-10	3.40E-10	1.13E-11	5.57E-10
4785	742064.55	4110803.64	2.48E-09	4.51E-09	2.48E-10	7.23E-09	3.84E-10	7.39E-10	3.71E-11	1.16E-09	3.73E-10	6.36E-10	4.72E-11	1.06E-09	2.12E-10	3.51E-10	1.16E-11	5.75E-10
4786	742041.37	4110808.15	2.54E-09	4.63E-09	2.54E-10	7.43E-09	3.94E-10	7.60E-10	3.82E-11	1.19E-09	3.84E-10	6.54E-10	4.85E-11	1.09E-09	2.18E-10	3.61E-10	1.20E-11	5.91E-10
4787	742018.19	4110812.67	2.60E-09	4.74E-09	2.60E-10	7.61E-09	4.04E-10	7.78E-10	3.91E-11	1.22E-09	3.93E-10	6.69E-10	4.96E-11	1.11E-09	2.23E-10	3.69E-10	1.22E-11	6.04E-10
4788	741995.01	4110817.19	2.66E-09	4.84E-09	2.66E-10	7.76E-09	4.12E-10	7.93E-10	3.99E-11	1.25E-09	4.00E-10	6.83E-10	5.06E-11	1.13E-09	2.28E-10	3.77E-10	1.25E-11	6.17E-10
4789	741971.83	4110821.71	2.70E-09	4.93E-09	2.70E-10	7.90E-09	4.19E-10	8.08E-10	4.06E-11	1.27E-09	4.08E-10	6.95E-10	5.15E-11	1.15E-09	2.32E-10	3.83E-10	1.27E-11	6.28E-10
4790	741948.64	4110826.23	2.75E-09	5.01E-09	2.75E-10	8.03E-09	4.26E-10	8.21E-10	4.12E-11	1.29E-09	4.14E-10	7.06E-10	5.24E-11	1.17E-09	2.35E-10	3.90E-10	1.29E-11	6.38E-10
4791	741925.46	4110830.74	2.79E-09	5.08E-09	2.79E-10	8.15E-09	4.33E-10	8.33E-10	4.19E-11	1.31E-09	4.21E-10	7.17E-10	5.32E-11	1.19E-09	2.39E-10	3.96E-10	1.31E-11	6.48E-10
4792	741902.28	4110835.26	2.83E-09	5.15E-09	2.83E-10	8.26E-09	4.38E-10	8.45E-10	4.24E-11	1.33E-09	4.26E-10	7.27E-10	5.39E-11	1.21E-09	2.42E-10	4.01E-10	1.33E-11	6.56E-10
4793	741879.1	4110839.78	2.86E-09	5.21E-09	2.86E-10	8.35E-09	4.43E-10	8.54E-10	4.29E-11	1.34E-09	4.31E-10	7.34E-10	5.44E-11	1.22E-09	2.45E-10	4.05E-10	1.34E-11	6.63E-10
4794	741855.92	4110844.3	2.88E-09	5.24E-09	2.88E-10	8.40E-09	4.46E-10	8.59E-10	4.32E-11	1.35E-09	4.34E-10	7.39E-10	5.48E-11	1.23E-09	2.46E-10	4.08E-10	1.35E-11	6.68E-10
4795	741832.73	4110848.81	2.88E-09	5.25E-09	2.88E-10	8.42E-09	4.47E-10	8.61E-10	4.32E-11	1.35E-09	4.35E-10	7.41E-10	5.49E-11	1.23E-09	2.47E-10	4.09E-10	1.35E-11	6.69E-10
4796	741809.55	4110853.33	2.87E-09	5.24E-09	2.88E-10	8.40E-09	4.46E-10	8.59E-10	4.31E-11	1.35E-09	4.33E-10	7.39E-10	5.48E-11	1.23E-09	2.46E-10	4.08E-10	1.35E-11	6.67E-10

4797	741766.94	4110844.43	2.93E-09	5.33E-09	2.93E-10	8.55E-09	4.54E-10	8.74E-10	4.39E-11	1.37E-09	4.41E-10	7.52E-10	5.57E-11	1.25E-09	2.51E-10	4.15E-10	1.37E-11	6.79E-10
4798	741747.5	4110831.01	2.99E-09	5.44E-09	2.99E-10	8.73E-09	4.63E-10	8.93E-10	4.48E-11	1.40E-09	4.51E-10	7.68E-10	5.69E-11	1.28E-09	2.56E-10	4.24E-10	1.40E-11	6.94E-10
4799	741728.07	4110817.58	3.04E-09	5.55E-09	3.05E-10	8.90E-09	4.72E-10	9.10E-10	4.57E-11	1.43E-09	4.59E-10	7.83E-10	5.80E-11	1.30E-09	2.61E-10	4.32E-10	1.43E-11	7.07E-10
4800	741708.64	4110804.16	3.10E-09	5.64E-09	3.10E-10	9.04E-09	4.80E-10	9.25E-10	4.65E-11	1.45E-09	4.67E-10	7.96E-10	5.90E-11	1.32E-09	2.65E-10	4.39E-10	1.45E-11	7.19E-10
4801	741689.21	4110790.74	3.14E-09	5.72E-09	3.14E-10	9.18E-09	4.87E-10	9.38E-10	4.71E-11	1.47E-09	4.74E-10	8.07E-10	5.98E-11	1.34E-09	2.69E-10	4.45E-10	1.48E-11	7.29E-10
4802	741669.77	4110777.31	3.18E-09	5.79E-09	3.18E-10	9.29E-09	4.93E-10	9.50E-10	4.77E-11	1.49E-09	4.80E-10	8.18E-10	6.06E-11	1.36E-09	2.73E-10	4.51E-10	1.49E-11	7.38E-10
4803	741650.34	4110763.89	3.22E-09	5.86E-09	3.22E-10	9.40E-09	4.99E-10	9.61E-10	4.83E-11	1.51E-09	4.85E-10	8.27E-10	6.13E-11	1.37E-09	2.76E-10	4.56E-10	1.51E-11	7.47E-10
4804	741630.91	4110750.47	3.26E-09	5.93E-09	3.26E-10	9.51E-09	5.05E-10	9.73E-10	4.89E-11	1.53E-09	4.91E-10	8.37E-10	6.20E-11	1.39E-09	2.79E-10	4.62E-10	1.53E-11	7.56E-10
4805	741611.47	4110737.05	3.30E-09	6.02E-09	3.30E-10	9.65E-09	5.12E-10	9.86E-10	4.95E-11	1.55E-09	4.98E-10	8.49E-10	6.29E-11	1.41E-09	2.83E-10	4.68E-10	1.55E-11	7.66E-10
4806	741592.04	4110723.62	3.36E-09	6.12E-09	3.36E-10	9.81E-09	5.21E-10	1.00E-09	5.04E-11	1.57E-09	5.06E-10	8.63E-10	6.40E-11	1.43E-09	2.88E-10	4.76E-10	1.58E-11	7.80E-10
4807	741572.61	4110710.2	3.43E-09	6.26E-09	3.44E-10	1.00E-08	5.32E-10	1.03E-09	5.15E-11	1.61E-09	5.18E-10	8.83E-10	6.54E-11	1.47E-09	2.94E-10	4.87E-10	1.61E-11	7.97E-10
4808	741553.18	4110696.78	3.53E-09	6.43E-09	3.53E-10	1.03E-08	5.47E-10	1.05E-09	5.30E-11	1.65E-09	5.32E-10	9.07E-10	6.72E-11	1.51E-09	3.02E-10	5.00E-10	1.66E-11	8.19E-10
4809	741533.74	4110683.36	3.64E-09	6.63E-09	3.64E-10	1.06E-08	5.65E-10	1.09E-09	5.46E-11	1.71E-09	5.49E-10	9.36E-10	6.94E-11	1.55E-09	3.12E-10	5.16E-10	1.71E-11	8.45E-10
4810	741514.31	4110669.93	3.77E-09	6.87E-09	3.77E-10	1.10E-08	5.84E-10	1.13E-09	5.66E-11	1.77E-09	5.68E-10	9.69E-10	7.18E-11	1.61E-09	3.23E-10	5.34E-10	1.77E-11	8.75E-10
4811	741494.88	4110656.51	3.91E-09	7.12E-09	3.91E-10	1.14E-08	6.06E-10	1.17E-09	5.87E-11	1.83E-09	5.90E-10	1.01E-09	7.45E-11	1.67E-09	3.35E-10	5.54E-10	1.84E-11	9.08E-10
4812	741475.44	4110643.09	4.07E-09	7.41E-09	4.07E-10	1.19E-08	6.30E-10	1.21E-09	6.10E-11	1.91E-09	6.13E-10	1.04E-09	7.75E-11	1.74E-09	3.48E-10	5.76E-10	1.91E-11	9.44E-10
4813	741456.01	4110629.67	4.23E-09	7.71E-09	4.23E-10	1.24E-08	6.56E-10	1.26E-09	6.35E-11	1.98E-09	6.38E-10	1.09E-09	8.06E-11	1.81E-09	3.63E-10	6.00E-10	1.99E-11	9.82E-10
4814	741436.58	4110616.24	4.41E-09	8.03E-09	4.41E-10	1.29E-08	6.83E-10	1.32E-09	6.61E-11	2.07E-09	6.64E-10	1.13E-09	8.40E-11	1.88E-09	3.78E-10	6.25E-10	2.07E-11	1.02E-09
4815	741417.14	4110602.82	4.58E-09	8.35E-09	4.58E-10	1.34E-08	7.11E-10	1.37E-09	6.88E-11	2.15E-09	6.91E-10	1.18E-09	8.73E-11	1.96E-09	3.93E-10	6.50E-10	2.15E-11	1.06E-09
4816	741397.71	4110589.4	4.75E-09	8.65E-09	4.75E-10	1.39E-08	7.36E-10	1.42E-09	7.13E-11	2.23E-09	7.16E-10	1.22E-09	9.05E-11	2.03E-09	4.07E-10	6.73E-10	2.23E-11	1.10E-09
4817	741378.28	4110575.98	4.90E-09	8.92E-09	4.90E-10	1.43E-08	7.59E-10	1.46E-09	7.35E-11	2.30E-09	7.38E-10	1.26E-09	9.33E-11	2.09E-09	4.20E-10	6.94E-10	2.30E-11	1.14E-09
4818	741358.85	4110562.55	5.02E-09	9.15E-09	5.02E-10	1.47E-08	7.79E-10	1.50E-09	7.54E-11	2.35E-09	7.57E-10	1.29E-09	9.57E-11	2.14E-09	4.30E-10	7.12E-10	2.36E-11	1.17E-09
4819	742319.55	4110753.94	1.72E-09	3.14E-09	1.73E-10	5.04E-09	2.67E-10	5.15E-10	2.59E-11	8.09E-10	2.60E-10	4.43E-10	3.29E-11	7.36E-10	1.48E-10	2.45E-10	8.10E-12	4.00E-10
4820	742339.66	4110740.45	1.70E-09	3.10E-09	1.70E-10	4.97E-09	2.64E-10	5.09E-10	2.55E-11	7.98E-10	2.57E-10	4.38E-10	3.24E-11	7.27E-10	1.46E-10	2.41E-10	8.00E-12	3.95E-10
4821	742359.77	4110726.96	1.69E-09	3.07E-09	1.69E-10	4.93E-09	2.62E-10	5.04E-10	2.53E-11	7.91E-10	2.54E-10	4.34E-10	3.21E-11	7.20E-10	1.45E-10	2.39E-10	7.93E-12	3.92E-10
4822	742379.88	4110713.46	1.68E-09	3.07E-09	1.69E-10	4.92E-09	2.61E-10	5.03E-10	2.53E-11	7.90E-10	2.54E-10	4.33E-10	3.21E-11	7.19E-10	1.44E-10	2.39E-10	7.92E-12	3.91E-10
4823	742399.99	4110699.97	1.70E-09	3.10E-09	1.70E-10	4.96E-09	2.63E-10	5.07E-10	2.55E-11	7.96E-10	2.56E-10	4.37E-10	3.24E-11	7.25E-10	1.46E-10	2.41E-10	7.98E-12	3.94E-10
4824	742420.1	4110686.48	1.73E-09	3.15E-09	1.73E-10	5.05E-09	2.68E-10	5.16E-10	2.59E-11	8.10E-10	2.61E-10	4.44E-10	3.29E-11	7.38E-10	1.48E-10	2.45E-10	8.12E-12	4.01E-10
4825	742440.21	4110672.99	1.77E-09	3.22E-09	1.77E-10	5.16E-09	2.74E-10	5.28E-10	2.65E-11	8.29E-10	2.66E-10	4.54E-10	3.37E-11	7.54E-10	1.51E-10	2.51E-10	8.30E-12	4.10E-10
4826	742460.32	4110659.49	1.81E-09	3.30E-09	1.81E-10	5.29E-09	2.80E-10	5.40E-10	2.71E-11	8.48E-10	2.73E-10	4.65E-10	3.45E-11	7.72E-10	1.55E-10	2.56E-10	8.50E-12	4.20E-10
4827	742480.43	4110646	1.85E-09	3.36E-09	1.85E-10	5.39E-09	2.86E-10	5.51E-10	2.77E-11	8.65E-10	2.78E-10	4.75E-10	3.52E-11	7.88E-10	1.58E-10	2.62E-10	8.67E-12	4.29E-10
4828	742500.54	4110632.51	1.88E-09	3.42E-09	1.88E-10	5.49E-09	2.91E-10	5.61E-10	2.82E-11	8.80E-10	2.83E-10	4.83E-10	3.58E-11	8.01E-10	1.61E-10	2.66E-10	8.82E-12	4.36E-10
4829	742520.65	4110619.02	1.91E-09	3.47E-09	1.91E-10	5.57E-09	2.95E-10	5.69E-10	2.86E-11	8.93E-10	2.87E-10	4.90E-10	3.63E-11	8.13E-10	1.63E-10	2.70E-10	8.95E-12	4.42E-10
4830	742540.76	4110605.52	1.94E-09	3.53E-09	1.94E-10	5.65E-09	3.00E-10	5.78E-10	2.90E-11	9.07E-10	2.92E-10	4.97E-10	3.69E-11	8.26E-10	1.66E-10	2.74E-10	9.09E-12	4.49E-10
4831	742560.87	4110592.03	1.97E-09	3.59E-09	1.97E-10	5.76E-09	3.06E-10	5.89E-10	2.96E-11	9.24E-10	2.97E-10	5.06E-10	3.75E-11	8.41E-10	1.69E-10	2.79E-10	9.26E-12	4.57E-10
4832	742580.98	4110578.54	2.01E-09	3.66E-09	2.01E-10	5.87E-09	3.12E-10	6.00E-10	3.02E-11	9.42E-10	3.03E-10	5.17E-10	3.83E-11	8.58E-10	1.72E-10	2.85E-10	9.44E-12	4.67E-10
4833	742383.7	4110929.24	1.22E-09	2.22E-09	1.22E-10	3.56E-09	1.89E-10	3.64E-10	1.83E-11	5.71E-10	1.84E-10	3.13E-10	2.32E-11	5.20E-10	1.04E-10	1.73E-10	5.73E-12	2.83E-10
4834	742360.07	4110933.84	1.25E-09	2.28E-09	1.25E-10	3.66E-09	1.94E-10	3.74E-10	1.88E-11	5.86E-10	1.89E-10	3.22E-10	2.38E-11	5.34E-10	1.07E-10	1.77E-10	5.88E-12	2.90E-10
4835	742336.43	4110938.45	1.28E-09	2.34E-09	1.28E-10	3.75E-09	1.99E-10	3.84E-10	1.93E-11	6.02E-10	1.94E-10	3.30E-10	2.45E-11	5.48E-10	1.10E-10	1.82E-10	6.03E-12	2.98E-10
4836	742312.79	4110943.06	1.32E-09	2.40E-09	1.32E-10	3.86E-09	2.05E-10	3.94E-10	1.98E-11	6.19E-10	1.99E-10	3.39E-10	2.51E-11	5.63E-10	1.13E-10	1.87E-10	6.20E-12	3.06E-10
4837	742289.15	4110947.66	1.36E-09	2.47E-09	1.36E-10	3.97E-09	2.11E-10	4.06E-10	2.04E-11	6.37E-10	2.05E-10	3.49E-10	2.59E-11	5.80E-10	1.16E-10	1.93E-10	6.38E-12	3.15E-10
4838	742265.51	4110952.27	1.40E-09	2.55E-09	1.40E-10	4.09E-09	2.17E-10	4.18E-10	2.10E-11	6.56E-10	2.11E-10	3.60E-10	2.67E-11	5.97E-10	1.20E-10	1.98E-10	6.58E-12	3.25E-10
4839	742241.87	4110956.88	1.44E-09	2.63E-09	1.44E-10	4.22E-09	2.24E-10	4.31E-10	2.17E-11	6.76E-10	2.18E-10	3.71E-10	2.75E-11	6.16E-10	1.24E-10	2.05E-10	6.78E-12	3.35E-10
4840	742218.23	4110961.48	1.49E-09	2.71E-09	1.49E-10	4.35E-09	2.31E-10	4.44E-10	2.23E-11	6.97E-10	2.24E-10	3.82E-10	2.83E-11	6.35E-10	1.27E-10	2.11E-10	6.99E-12	3.45E-10
4841	742194.6	4110966.09	1.53E-09	2.79E-09	1.53E-10	4.48E-09	2.38E-10	4.58E-10	2.30E-11	7.19E-10	2.31E-10	3.94E-10	2.92E-11	6.54E-10	1.31E-10	2.17E-10	7.20E-12	3.56E-10
4842	742170.96	4110970.7	1.58E-09	2.88E-09	1.58E-10	4.61E-09	2.45E-10	4.72E-10	2.37E-11	7.40E-10	2.38E-10	4.06E-10	3.01E-11	6.74E-10	1.35E-10	2.24E-10	7.42E-12	3.67E-10
4843	742147.32	4110975.31	1.62E-09	2.96E-09	1.63E-10	4.75E-09	2.52E-10	4.85E-10	2.44E-11	7.62E-10	2.45E-10	4.18E-10	3.10E-11	6.94E-10	1.39E-10	2.30E-10	7.64E-12	3.77E-10
4844	742123.68	4110979.91	1.67E-09	3.04E-09	1.67E-10	4.88E-09	2.59E-10	4.99E-10	2.51E-11	7.83E-10	2.52E-10	4.29E-10	3.18E-11	7.13E-10	1.43E-10	2.37E-10	7.85E-12	3.88E-10
4845	742100.04	4110984.52	1.71E-09	3.12E-09	1.71E-10	5.01E-09	2.66E-10	5.12E-10	2.57E-11	8.03E-10	2.58E-10	4.40E-10	3.27E-11	7.32E-10	1.47E-10	2.43E-10	8.05E-12	3.98E-10
4846	742076.4	4110989.13	1.75E-09	3.20E-09	1.75E-10	5.12E-09	2.72E-10	5.24E-10	2.63E-11	8.22E-10	2.64E-10	4.51E-10	3.34E-11	7.49E-10	1.50E-10	2.49E-10	8.24E-12	4.07E-10
4847	742052.76	4110993.73	1.79E-09	3.26E-09	1.79E-10	5.23E-09	2.78E-10	5.35E-10	2.69E-11	8.39E-10	2.70E-10	4.60E-10	3.41E-11	7.64E-10	1.53E-10	2.54E-10	8.41E-12	4.16E-10
4848	742029.13	4110998.34	1.83E-09	3.33E-09	1.83E-10	5.33E-09	2.83E-10	5.45E-10	2.74E-11	8.56E-10	2.75E-10	4.69E-10	3.48E-11	7.79E-10	1.56E-10	2.59E-10	8.58E-12	4.24E-10
4849	742005.49	4111002.95	1.86E-09	3.39E-09	1.86E-10	5.43E-09	2.88E-10	5.55E-10	2.79E-11	8.71E-10	2.80E-10	4.78E-10	3.54E-11	7.93E-10	1.59E-10	2.63E-10	8.73E-12	4.31E-10
4850	741981.85	4111007.55	1.89E-09	3.44E-09	1.89E-10	5.52E-09	2.93E-10	5.65E-10	2.84E-11	8.86E-10	2.85E-10	4.86E-10	3.60E-11	8.07E-10	1.62E-10	2.68E-10	8.88E-12	4.39E-10
4851	741958.21	4111012.16	1.92E-09	3.50E-09	1.92E-10	5.62E-09	2.98E-10	5.74E-10	2.88E-11	9.01E-10	2.90E-10	4.94E-10	3.66E-11	8.21E-10	1.65E-10	2.73E-10	9.03E-12	4.46E-10
4852	741934.57	4111016.77	1.95E-09	3.56E-09	1.95E-10	5.71E-09	3.03E-10	5.84E-10	2.93E-11	9.16E-10	2.95E-10	5.02E-10	3.72E-11	8.34E-10	1.67E-10	2.77E-10	9.18E-12	4.54E-10
4853	741910.93	4111021.37	1.98E-09	3.61E-09	1.98E-10	5.80E-09	3.08E-10	5.93E-10	2.98E-11	9.30E-10	2.99E-10	5.10E-10	3.78E-11	8.47E-10	1.70E-10	2.81E-10	9.32E-12	4.61E-10
4854	741887.29	4111025.98	2.01E-09	3.66E-09	2.01E-10	5.88E-09	3.12E-10	6.01E-10	3.02E-11	9.43E-10	3.03E-10	5.17E-10	3.83E-11	8.58E-10	1.72E-10	2.85E-10	9.45E-12	4.67E-10
4855	741863.66	4111030.59	2.03E-09	3.71E-09	2.03E-10	5.94E-09	3.15E-10	6.08E-10	3.05E-11	9.53E-10	3.07E-10	5.23E-10	3.88E-11	8.68E-10	1.74E-10	2.88E-10	9.56E-12	4.72E-10
4856	741840.02	4111035.19	2.05E-09	3.74E-09	2.05E-10	5.99E-09	3.18E-10	6.13E-10	3.08E-11	9.61E-10	3.09E-10	5.27E-10	3.91E-11	8.75E-10	1.76E-10	2.91E-10	9.64E-12	4.76E-10
4857	741816.38	4111039.8	2.06E-09	3.76E-09	2.06E-10	6.02E-09	3.20E-10	6.16E-10	3.09E-11	9.66E-10	3.11E-10	5.30E-10	3.93E-11	8.80E-10	1.77E-10	2.92E-10	9.69E-12	4.79E-10
4858	741792.74	4111044.41	2.06E-09	3.76E-09	2.07E-10	6.03E-09	3.20E-10	6.17E-10	3.10E-11	9.68E-10	3.11E-10	5.31E-10	3.93E-11	8.81E-10	1.77E-10	2.93E-10	9.70E-12	4.79E-10
4859	741769.1	4111049.02	2.06E-09	3.76E-09	2.06E-10	6.02E-09	3.20E-10	6.16E-10	3.09E-11	9.67E-10	3.11E-10	5.30E-10	3.93E-11	8.80E-10	1.77E-10	2.92E-10	9.69E-12	4.79E-10
4860	741725.65	4111039.94	2.10E-09	3.82E-09	2.10E-10	6.13E-09	3.25E-10	6.26E-10	3.15E-11	9.83E-10	3.16E-10	5.39E-10	4.00E-11	8.95E-10	1.80E-10	2.97E-10	9.85E-12	4.87E-10
4861	741705.83	4111026.25	2.14E-09	3.89E-09	2.14E-10	6.24E-09	3.31E-10	6.38E-10	3.21E-11	1.00E-09	3.22E-10	5.49E-10	4.07E-11	9.12E-10	1.83E-10	3.03E-10	1.00E-11	4.96E-10
4862	741686.01	4111012.56	2.17E-09	3.95E-09	2.17E-10	6.34E-09	3.37E-10	6.48E-10	3.26E-11	1.02E-09	3.27E-10	5.58E-10	4.14E-11	9.26E-10	1.86E-10	3.08E-10	1.02E-11	5.04E-10
4863	741666.2	4110998.87	2.20E-09	4.01E-09	2.20E-10	6.43E-09	3.41E-10	6.57E-10	3.30E-11	1.03E-09	3.32E-10	5.65E-10	4.19E-11	9.39E-10	1.88E-10	3.12E-10	1.03E-11	5.11E-10
4864	741646.38	4110985.19	2.22E-09	4.05E-09	2.22E-10	6.50E-09	3.45E-10	6.64E-10	3.34E-11	1.04E-09	3.35E-10	5.72E-10	4.24E-11	9.49E-10	1.91E-10	3.15E-10	1.04E-11	5.16E-10
4865	741626.57	4110971.5	2.24E-09	4.09E-09	2.24E-10	6.55E-09	3.48E-10	6.70E-10	3.37E-11	1.05E-09	3.38E-10	5.77E-10	4.27E-11	9.58E-10	1.92E-10	3.18E-10	1.05E-11	5.21E-10
4866	741606.75	4110957.81	2.26E-09	4.12E-09	2.26E-10	6.60E-09	3.50E-10	6.75E-10	3.39E-11	1.06E-09	3.41E-10	5.81E-10	4.30E-11	9.64E-10	1.94E-10	3.20E-10	1.06E-11	5.24E-10
4867	741586.94	4110944.13	2.27E-09	4.14E-09	2.27E-10	6.64E-09	3.52E-10	6.78E-10	3.41E-11	1.06E-09	3.42E-10	5.84E-10	4.33E-11	9.70E-10	1.95E-10	3.22E-10	1.07E-11	5.27E-10
4868	741567.12	4110930.44	2.28E-09	4.16E-09	2.28E-10	6.67E-09	3.54E-10	6.82E-10	3.43E-11	1.07E-09	3.44E-10	5.87E-10	4.35E-11	9.74E-10	1.96E-10	3.24E-10	1.07E-11	5.30E-10
4869	741547.3	4110916.75	2.30E-09	4.18E-09	2.30E-10	6.71E-09	3.56E-10	6.86E-10	3.45E-11	1.08E-09	3.46E-10	5.90E-10	4.38E-11	9.80E-10	1.97E-10	3.26E-10	1.08E-11	5.33E-10
4870	741527.49	4110903.06	2.32E-09	4.22E-09	2.32E-10	6.77E-09	3.59E-10	6.92E-10	3.47E-11	1.09E-09	3.49E-10	5.95E-10	4.41E-11	9.88E-10	1.98E-10	3.28E-10	1.09E-11	5.38E-10
4871	741507.67	4110889.38	2.34E-09	4.27E-09	2.34E-10	6.85E-09	3.63E-10	7.00E-10	3.52E-11	1.10E-09	3.53E-10	6.02E-10	4.47E-11	1.00E-09	2.01E-10	3.32E-10	1.10E-11	5.44E-10
4872	741487.86	4110875.69	2.38E-09	4.34E-09	2.39E-10	6.97E-09	3.70E-10	7.12E-10	3.58E-11	1.12E-09	3.60E-10	6.13E-10	4.54E-11	1.02E-09	2.04E-10	3.38E-10	1.12E-11	5.54E-10
4873	741468.04	4110862	2.44E-09	4.44E-09	2.44E-10	7.12E-09	3.78E-10	7.28E-10	3.66E-11	1.14E-09	3.68E-10	6.27E-10	4.65E-11	1.04E-09	2.09E-10	3.46E-10	1.15E-11	5.66E-10
4874	741448.22	4110848.32	2.50E-09	4.56E-09	2.51E-10	7.32E-09	3.88E-10	7.48E-10	3.76E-11	1.17E-09	3.78E-10	6.44E-10	4.77E-11	1.07E-09	2.15E-10	3.55E-10	1.18E-11	5.81E-10
4875	741428.41	4110834.63	2.58E-09	4.70E-09	2.58E-10	7.54E-09	4.00E-10	7.70E-10	3.87E-11	1.21E-09	3.89E-10	6.63E-10	4.91E-11	1.10E-09	2.21E-10	3.66E-10	1.21E-11	5.99E-10
4876	741408.59	4110820.94	2.66E-09	4.85E-09	2.66E-10	7.77E-09	4.12E-10	7.94E-10	3.99E-11	1.25E-09	4.01E-10	6.84E-10	5.07E-11	1.14E-09	2.28E-10	3.77E-10	1.25E-11	6.17E-10
4877	741388.78	4110807.25	2.74E-09	5.00E-09	2.74E-10	8.01E-09	4.25E-10	8.19E-10	4.12E-11	1.29E-09	4.14E-10	7.05E-10	5.23E-11	1.17E-09	2.35E-10	3.89E-10	1.29E-11	6.37E-10
4878	741368.96	4110793.57	2.83E-09	5.15E-09	2.83E-10	8.27E-09	4.39E-10	8.45E-10	4.25E-11	1.33E-09	4.27E-10	7.27E-10	5.39E-11	1.21E-09	2.42E-10	4.01E-10	1.33E-11	6.57E-10
4879	741349.14	4110779.88	2.92E-09	5.32E-09	2.92E-10	8.53E-09	4.53E-10	8.72E-10	4.38E-11	1.37E-09	4.40E-10	7.51E-10	5.56E-11	1.25E-09	2.50E-10	4.14E-10	1.37E-11	6.78E-10
4880	741329.33	4110766.19	3.02E-09	5.50E-09	3.02E-10	8.81E-09	4.68E-10	9.01E-10	4.53E-11	1.41E-09	4.55E-10	7.75E-10	5.75E-11	1.29E-09	2.58E-10	4.28E-10	1.42E-11	7.00E-10
4881	741309.51	4110752.51	3.12E-09	5.68E-09	3.12E-10	9.11E-09	4.84E-10	9.32E-10	4.68E-11	1.46E-09	4.70E-10	8.02E-10	5.94E-11	1.33E-09	2.67E-10	4.42E-10	1.47E-11	7.24E-10
4882	741289.7	4110738.82	3.22E-09	5.87E-09	3.23E-10	9.42E-09	5.00E-10	9.63E-10	4.84E-11	1.51E-09	4.86E-10	8.29E-10	6.14E-11	1.38E-09	2.76E-10	4.57E-10	1.52E-11	7.49E-10
4883	741269.88	4110725.13	3.33E-09	6.07E-09	3.34E-10	9.74E-09	5.17E-10	9.96E-10	5.00E-11	1.56E-09	5.03E-10	8.57E-10	6.35E-11	1.42E-09	2.86E-10	4.73E-10	1.57E-11	7.74E-10
4884	741250.07	4110711.44	3.44E-09	6.27E-09	3.44E-10	1.01E-08	5.33E-10	1.03E-09	5.16E-11	1.61E-09	5.19E-10	8.84E-10	6.56E-11	1.47E-09	2.95E-10	4.88E-10	1.62E-11	7.99E-10
4885	741230.25	4110697.76	3.54E-09	6.45E-09	3.54E-10	1.03E-08	5.49E-10	1.06E-09	5.31E-11	1.66E-09	5.33E-10	9.09E-10	6.74E-11	1.51E-09	3.03E-10	5.02E-10	1.66E-11	8.21E-10
4886	741210.43	4110684.07	3.62E-09	6.60E-09	3.62E-10	1.06E-08	5.61E-10	1.08E-09	5.43E-11	1.70E-09	5.46E-10	9.31E-10	6.90E-11	1.55E-09	3.10E-10	5.13E-10	1.70E-11	8.41E-10
4887	741190.62	4110670.38	3.68E-09	6.71E-09	3.68E-10	1.08E-08	5.71E-10	1.10E-09	5.53E-11	1.73E-09	5.55E-10	9.47E-10	7.02E-11	1.57E-09	3.16E-10	5.22E-10	1.73E-11	8.55E-10
4888	742430.98	4110920.02	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.44E-10	1.73E-11	5.41E-10	1.74E-10	2.96E-10	2.20E-11	4.92E-10	9.88E-11	1.63E-10	5.42E-12	2.68E-10
4889	742451.09	4110906.53	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.40E-10	1.71E-11	5.33E-10	1.72E-10	2.92E-10	2.17E-11	4.86E-10	9.75E-11	1.61E-10	5.35E-12	2.64E-10
4890	742471.2	4110893.04	1.12E-09	2.05E-09	1.12E-10	3.29E-09	1.74E-10	3.36E-10	1.69E-11	5.27E-10	1.70E-10	2.89E-10	2.14E-11	4.80E-10	9.63E-11	1.59E-10	5.28E-12	2.61E-10
4891	742491.31	4110879.55	1.12E-09	2.03E-09	1.12E-10	3.26E-09	1.73E-10	3.34E-10	1.68E-11	5.24E-10	1.68E-10	2.87E-10	2.13E-11	4.77E-10	9.57E-11	1.58E-10	5.25E-12	2.59E-10
4892	742511.42	4110866.05	1.12E-09	2.04E-09	1.12E-10	3.27E-09	1.74E-10	3.34E-10	1.68E-11	5.25E-10	1.69E-10	2.88E-10	2.13E-11	4.78E-10	9.59E-11	1.59E-10	5.26E-12	2.60E-10

4893	742531.53	4110852.56	1.13E-09	2.06E-09	1.13E-10	3.31E-09	1.76E-10	3.38E-10	1.70E-11	5.31E-10	1.71E-10	2.91E-10	2.16E-11	4.83E-10	9.70E-11	1.60E-10	5.32E-12	2.63E-10
4894	742551.64	4110839.07	1.16E-09	2.10E-09	1.16E-10	3.38E-09	1.79E-10	3.45E-10	1.73E-11	5.42E-10	1.74E-10	2.97E-10	2.20E-11	4.93E-10	9.90E-11	1.64E-10	5.43E-12	2.68E-10
4895	742571.75	4110825.58	1.19E-09	2.16E-09	1.19E-10	3.47E-09	1.84E-10	3.54E-10	1.78E-11	5.56E-10	1.79E-10	3.05E-10	2.26E-11	5.06E-10	1.02E-10	1.68E-10	5.57E-12	2.75E-10
4896	742591.86	4110812.08	1.22E-09	2.22E-09	1.22E-10	3.57E-09	1.89E-10	3.65E-10	1.83E-11	5.72E-10	1.84E-10	3.14E-10	2.33E-11	5.21E-10	1.05E-10	1.73E-10	5.74E-12	2.83E-10
4897	742611.97	4110798.59	1.25E-09	2.29E-09	1.26E-10	3.67E-09	1.95E-10	3.75E-10	1.88E-11	5.88E-10	1.89E-10	3.22E-10	2.39E-11	5.36E-10	1.07E-10	1.78E-10	5.90E-12	2.91E-10
4898	742632.08	4110785.1	1.29E-09	2.34E-09	1.29E-10	3.76E-09	1.99E-10	3.84E-10	1.93E-11	6.03E-10	1.94E-10	3.31E-10	2.45E-11	5.49E-10	1.10E-10	1.82E-10	6.04E-12	2.99E-10
4899	742652.19	4110771.61	1.31E-09	2.40E-09	1.32E-10	3.84E-09	2.04E-10	3.93E-10	1.97E-11	6.16E-10	1.98E-10	3.38E-10	2.51E-11	5.61E-10	1.13E-10	1.86E-10	6.18E-12	3.05E-10
4900	742672.3	4110758.12	1.34E-09	2.45E-09	1.34E-10	3.92E-09	2.08E-10	4.01E-10	2.01E-11	6.29E-10	2.02E-10	3.45E-10	2.56E-11	5.73E-10	1.15E-10	1.90E-10	6.31E-12	3.12E-10
4901	742692.41	4110744.62	1.37E-09	2.49E-09	1.37E-10	4.00E-09	2.12E-10	4.09E-10	2.05E-11	6.42E-10	2.06E-10	3.52E-10	2.61E-11	5.84E-10	1.17E-10	1.94E-10	6.43E-12	3.18E-10
4902	742519.14	4111090.64	8.57E-10	1.56E-09	8.57E-11	2.50E-09	1.33E-10	2.56E-10	1.29E-11	4.02E-10	1.29E-10	2.20E-10	1.63E-11	3.66E-10	7.34E-11	1.21E-10	4.03E-12	1.99E-10
4903	742495.86	4111095.18	8.78E-10	1.60E-09	8.78E-11	2.56E-09	1.36E-10	2.62E-10	1.32E-11	4.11E-10	1.32E-10	2.26E-10	1.67E-11	3.75E-10	7.52E-11	1.24E-10	4.12E-12	2.04E-10
4904	742472.59	4111099.71	8.98E-10	1.64E-09	8.98E-11	2.62E-09	1.39E-10	2.68E-10	1.35E-11	4.21E-10	1.35E-10	2.31E-10	1.71E-11	3.83E-10	7.69E-11	1.27E-10	4.22E-12	2.08E-10
4905	742449.32	4111104.25	9.17E-10	1.67E-09	9.17E-11	2.68E-09	1.42E-10	2.74E-10	1.38E-11	4.30E-10	1.38E-10	2.36E-10	1.75E-11	3.91E-10	7.85E-11	1.30E-10	4.31E-12	2.13E-10
4906	742426.04	4111108.78	9.36E-10	1.71E-09	9.36E-11	2.73E-09	1.45E-10	2.80E-10	1.40E-11	4.39E-10	1.41E-10	2.41E-10	1.78E-11	4.00E-10	8.02E-11	1.33E-10	4.40E-12	2.17E-10
4907	742402.77	4111113.32	9.56E-10	1.74E-09	9.57E-11	2.79E-09	1.48E-10	2.86E-10	1.43E-11	4.48E-10	1.44E-10	2.46E-10	1.82E-11	4.08E-10	8.19E-11	1.36E-10	4.49E-12	2.22E-10
4908	742379.49	4111117.86	9.79E-10	1.78E-09	9.79E-11	2.86E-09	1.52E-10	2.92E-10	1.47E-11	4.59E-10	1.48E-10	2.52E-10	1.86E-11	4.18E-10	8.38E-11	1.39E-10	4.60E-12	2.27E-10
4909	742356.22	4111122.39	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.56E-10	3.00E-10	1.51E-11	4.71E-10	1.51E-10	2.58E-10	1.91E-11	4.28E-10	8.60E-11	1.42E-10	4.72E-12	2.33E-10
4910	742332.95	4111126.93	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.56E-10	2.65E-10	1.96E-11	4.40E-10	8.84E-11	1.46E-10	4.85E-12	2.39E-10
4911	742309.67	4111131.46	1.06E-09	1.93E-09	1.06E-10	3.10E-09	1.64E-10	3.17E-10	1.59E-11	4.97E-10	1.60E-10	2.73E-10	2.02E-11	4.53E-10	9.09E-11	1.50E-10	4.98E-12	2.46E-10
4912	742286.4	4111136	1.09E-09	1.99E-09	1.09E-10	3.19E-09	1.69E-10	3.26E-10	1.64E-11	5.11E-10	1.64E-10	2.80E-10	2.08E-11	4.66E-10	9.35E-11	1.55E-10	5.13E-12	2.53E-10
4913	742263.13	4111140.54	1.12E-09	2.04E-09	1.12E-10	3.28E-09	1.74E-10	3.35E-10	1.68E-11	5.26E-10	1.69E-10	2.88E-10	2.14E-11	4.79E-10	9.61E-11	1.59E-10	5.27E-12	2.60E-10
4914	742239.85	4111145.07	1.15E-09	2.10E-09	1.15E-10	3.37E-09	1.79E-10	3.44E-10	1.73E-11	5.40E-10	1.74E-10	2.96E-10	2.20E-11	4.92E-10	9.88E-11	1.63E-10	5.42E-12	2.68E-10
4915	742216.58	4111149.61	1.18E-09	2.16E-09	1.18E-10	3.46E-09	1.84E-10	3.54E-10	1.78E-11	5.55E-10	1.78E-10	3.04E-10	2.26E-11	5.05E-10	1.01E-10	1.68E-10	5.56E-12	2.75E-10
4916	742193.3	4111154.14	1.21E-09	2.21E-09	1.21E-10	3.55E-09	1.88E-10	3.63E-10	1.82E-11	5.69E-10	1.83E-10	3.12E-10	2.31E-11	5.18E-10	1.04E-10	1.72E-10	5.70E-12	2.82E-10
4917	742170.03	4111158.68	1.24E-09	2.26E-09	1.24E-10	3.63E-09	1.93E-10	3.71E-10	1.86E-11	5.82E-10	1.87E-10	3.19E-10	2.37E-11	5.30E-10	1.06E-10	1.76E-10	5.84E-12	2.88E-10
4918	742146.76	4111163.21	1.27E-09	2.31E-09	1.27E-10	3.71E-09	1.97E-10	3.79E-10	1.90E-11	5.95E-10	1.91E-10	3.26E-10	2.42E-11	5.42E-10	1.09E-10	1.80E-10	5.96E-12	2.95E-10
4919	742123.48	4111167.75	1.29E-09	2.36E-09	1.29E-10	3.78E-09	2.00E-10	3.86E-10	1.94E-11	6.06E-10	1.95E-10	3.32E-10	2.46E-11	5.52E-10	1.11E-10	1.83E-10	6.07E-12	3.00E-10
4920	742100.21	4111172.29	1.31E-09	2.40E-09	1.32E-10	3.84E-09	2.04E-10	3.93E-10	1.97E-11	6.16E-10	1.98E-10	3.38E-10	2.51E-11	5.61E-10	1.13E-10	1.86E-10	6.18E-12	3.05E-10
4921	742076.93	4111176.82	1.34E-09	2.43E-09	1.34E-10	3.90E-09	2.07E-10	3.99E-10	2.00E-11	6.26E-10	2.01E-10	3.43E-10	2.54E-11	5.70E-10	1.14E-10	1.89E-10	6.28E-12	3.10E-10
4922	742053.66	4111181.36	1.36E-09	2.47E-09	1.36E-10	3.96E-09	2.10E-10	4.05E-10	2.03E-11	6.36E-10	2.04E-10	3.48E-10	2.58E-11	5.79E-10	1.16E-10	1.92E-10	6.37E-12	3.15E-10
4923	742030.39	4111185.89	1.38E-09	2.51E-09	1.38E-10	4.02E-09	2.13E-10	4.11E-10	2.07E-11	6.45E-10	2.08E-10	3.54E-10	2.62E-11	5.88E-10	1.18E-10	1.95E-10	6.47E-12	3.20E-10
4924	742007.11	4111190.43	1.40E-09	2.55E-09	1.40E-10	4.09E-09	2.17E-10	4.18E-10	2.10E-11	6.56E-10	2.11E-10	3.59E-10	2.66E-11	5.97E-10	1.20E-10	1.98E-10	6.57E-12	3.25E-10
4925	741983.84	4111194.96	1.42E-09	2.59E-09	1.42E-10	4.15E-09	2.20E-10	4.25E-10	2.13E-11	6.66E-10	2.14E-10	3.65E-10	2.71E-11	6.07E-10	1.22E-10	2.02E-10	6.68E-12	3.30E-10
4926	741960.57	4111199.5	1.45E-09	2.63E-09	1.45E-10	4.22E-09	2.24E-10	4.32E-10	2.17E-11	6.77E-10	2.18E-10	3.71E-10	2.75E-11	6.17E-10	1.24E-10	2.05E-10	6.79E-12	3.35E-10
4927	741937.29	4111204.04	1.47E-09	2.68E-09	1.47E-10	4.29E-09	2.28E-10	4.39E-10	2.20E-11	6.88E-10	2.21E-10	3.77E-10	2.80E-11	6.27E-10	1.26E-10	2.08E-10	6.90E-12	3.41E-10
4928	741914.02	4111208.57	1.49E-09	2.72E-09	1.49E-10	4.36E-09	2.31E-10	4.45E-10	2.24E-11	6.99E-10	2.25E-10	3.83E-10	2.84E-11	6.37E-10	1.28E-10	2.11E-10	7.01E-12	3.46E-10
4929	741890.74	4111213.11	1.51E-09	2.75E-09	1.51E-10	4.42E-09	2.34E-10	4.52E-10	2.27E-11	7.09E-10	2.28E-10	3.89E-10	2.88E-11	6.45E-10	1.30E-10	2.14E-10	7.10E-12	3.51E-10
4930	741867.47	4111217.64	1.53E-09	2.79E-09	1.53E-10	4.47E-09	2.37E-10	4.57E-10	2.30E-11	7.17E-10	2.31E-10	3.93E-10	2.92E-11	6.53E-10	1.31E-10	2.17E-10	7.19E-12	3.55E-10
4931	741844.2	4111222.18	1.55E-09	2.82E-09	1.55E-10	4.52E-09	2.40E-10	4.62E-10	2.32E-11	7.25E-10	2.33E-10	3.97E-10	2.95E-11	6.60E-10	1.32E-10	2.19E-10	7.26E-12	3.59E-10
4932	741820.92	4111226.71	1.56E-09	2.84E-09	1.56E-10	4.55E-09	2.42E-10	4.65E-10	2.34E-11	7.30E-10	2.35E-10	4.00E-10	2.97E-11	6.65E-10	1.33E-10	2.21E-10	7.32E-12	3.62E-10
4933	741797.65	4111231.25	1.57E-09	2.85E-09	1.57E-10	4.58E-09	2.43E-10	4.68E-10	2.35E-11	7.34E-10	2.36E-10	4.03E-10	2.98E-11	6.69E-10	1.34E-10	2.22E-10	7.36E-12	3.64E-10
4934	741774.38	4111235.79	1.57E-09	2.86E-09	1.57E-10	4.59E-09	2.44E-10	4.70E-10	2.36E-11	7.37E-10	2.37E-10	4.04E-10	2.99E-11	6.71E-10	1.35E-10	2.23E-10	7.39E-12	3.65E-10
4935	741751.1	4111240.32	1.57E-09	2.87E-09	1.57E-10	4.60E-09	2.44E-10	4.70E-10	2.36E-11	7.38E-10	2.37E-10	4.05E-10	3.00E-11	6.72E-10	1.35E-10	2.23E-10	7.40E-12	3.65E-10
4936	741727.83	4111244.86	1.57E-09	2.87E-09	1.57E-10	4.60E-09	2.44E-10	4.70E-10	2.36E-11	7.37E-10	2.37E-10	4.04E-10	3.00E-11	6.71E-10	1.35E-10	2.23E-10	7.39E-12	3.65E-10
4937	741685.04	4111235.92	1.60E-09	2.91E-09	1.60E-10	4.67E-09	2.48E-10	4.77E-10	2.40E-11	7.49E-10	2.41E-10	4.11E-10	3.04E-11	6.82E-10	1.37E-10	2.27E-10	7.51E-12	3.71E-10
4938	741665.53	4111222.44	1.62E-09	2.96E-09	1.63E-10	4.75E-09	2.52E-10	4.85E-10	2.44E-11	7.62E-10	2.45E-10	4.18E-10	3.10E-11	6.94E-10	1.39E-10	2.30E-10	7.63E-12	3.77E-10
4939	741646.02	4111208.97	1.65E-09	3.01E-09	1.65E-10	4.82E-09	2.56E-10	4.93E-10	2.48E-11	7.73E-10	2.49E-10	4.24E-10	3.14E-11	7.04E-10	1.41E-10	2.34E-10	7.75E-12	3.83E-10
4940	741626.51	4111195.49	1.67E-09	3.04E-09	1.67E-10	4.88E-09	2.59E-10	4.99E-10	2.51E-11	7.83E-10	2.52E-10	4.30E-10	3.18E-11	7.13E-10	1.43E-10	2.37E-10	7.85E-12	3.88E-10
4941	741607	4111182.01	1.69E-09	3.08E-09	1.69E-10	4.94E-09	2.62E-10	5.05E-10	2.54E-11	7.92E-10	2.55E-10	4.34E-10	3.22E-11	7.21E-10	1.45E-10	2.40E-10	7.94E-12	3.92E-10
4942	741587.49	4111168.54	1.70E-09	3.11E-09	1.71E-10	4.98E-09	2.64E-10	5.09E-10	2.56E-11	7.99E-10	2.57E-10	4.38E-10	3.25E-11	7.28E-10	1.46E-10	2.42E-10	8.01E-12	3.96E-10
4943	741567.98	4111155.06	1.72E-09	3.13E-09	1.72E-10	5.01E-09	2.66E-10	5.13E-10	2.58E-11	8.04E-10	2.59E-10	4.41E-10	3.27E-11	7.33E-10	1.47E-10	2.43E-10	8.06E-12	3.98E-10
4944	741548.47	4111141.59	1.72E-09	3.14E-09	1.72E-10	5.04E-09	2.67E-10	5.15E-10	2.59E-11	8.08E-10	2.60E-10	4.43E-10	3.28E-11	7.36E-10	1.48E-10	2.44E-10	8.10E-12	4.00E-10
4945	741528.96	4111128.11	1.73E-09	3.15E-09	1.73E-10	5.05E-09	2.68E-10	5.16E-10	2.59E-11	8.10E-10	2.61E-10	4.44E-10	3.29E-11	7.38E-10	1.48E-10	2.45E-10	8.12E-12	4.01E-10
4946	741509.45	4111114.64	1.73E-09	3.15E-09	1.73E-10	5.06E-09	2.68E-10	5.17E-10	2.60E-11	8.11E-10	2.61E-10	4.45E-10	3.30E-11	7.39E-10	1.48E-10	2.45E-10	8.13E-12	4.02E-10
4947	741489.94	4111101.16	1.73E-09	3.15E-09	1.73E-10	5.06E-09	2.68E-10	5.17E-10	2.60E-11	8.11E-10	2.61E-10	4.45E-10	3.30E-11	7.39E-10	1.48E-10	2.45E-10	8.13E-12	4.02E-10
4948	741470.43	4111087.68	1.73E-09	3.16E-09	1.73E-10	5.06E-09	2.69E-10	5.17E-10	2.60E-11	8.12E-10	2.61E-10	4.45E-10	3.30E-11	7.39E-10	1.48E-10	2.46E-10	8.14E-12	4.02E-10
4949	741450.92	4111074.21	1.74E-09	3.16E-09	1.74E-10	5.07E-09	2.69E-10	5.19E-10	2.61E-11	8.14E-10	2.62E-10	4.46E-10	3.31E-11	7.41E-10	1.49E-10	2.46E-10	8.16E-12	4.03E-10
4950	741431.41	4111060.73	1.75E-09	3.18E-09	1.75E-10	5.10E-09	2.71E-10	5.22E-10	2.62E-11	8.19E-10	2.63E-10	4.49E-10	3.33E-11	7.46E-10	1.50E-10	2.48E-10	8.21E-12	4.06E-10
4951	741411.9	4111047.26	1.77E-09	3.22E-09	1.77E-10	5.16E-09	2.74E-10	5.27E-10	2.65E-11	8.28E-10	2.66E-10	4.54E-10	3.36E-11	7.54E-10	1.51E-10	2.50E-10	8.30E-12	4.10E-10
4952	741392.39	4111033.78	1.79E-09	3.27E-09	1.79E-10	5.24E-09	2.78E-10	5.36E-10	2.69E-11	8.41E-10	2.70E-10	4.61E-10	3.42E-11	7.66E-10	1.54E-10	2.54E-10	8.43E-12	4.16E-10
4953	741372.88	4111020.3	1.83E-09	3.34E-09	1.83E-10	5.35E-09	2.84E-10	5.47E-10	2.75E-11	8.58E-10	2.76E-10	4.71E-10	3.49E-11	7.82E-10	1.57E-10	2.60E-10	8.60E-12	4.25E-10
4954	741353.37	4111006.83	1.88E-09	3.42E-09	1.88E-10	5.48E-09	2.91E-10	5.60E-10	2.82E-11	8.79E-10	2.83E-10	4.82E-10	3.57E-11	8.01E-10	1.61E-10	2.66E-10	8.82E-12	4.36E-10
4955	741333.86	4110993.35	1.93E-09	3.51E-09	1.93E-10	5.63E-09	2.99E-10	5.76E-10	2.89E-11	9.04E-10	2.91E-10	4.96E-10	3.67E-11	8.23E-10	1.65E-10	2.73E-10	9.06E-12	4.48E-10
4956	741314.35	4110979.88	1.98E-09	3.61E-09	1.98E-10	5.79E-09	3.07E-10	5.92E-10	2.98E-11	9.29E-10	2.99E-10	5.10E-10	3.78E-11	8.46E-10	1.70E-10	2.81E-10	9.32E-12	4.60E-10
4957	741294.84	4110966.4	2.04E-09	3.71E-09	2.04E-10	5.95E-09	3.16E-10	6.09E-10	3.06E-11	9.55E-10	3.07E-10	5.24E-10	3.88E-11	8.70E-10	1.75E-10	2.89E-10	9.57E-12	4.73E-10
4958	741275.33	4110952.92	2.09E-09	3.81E-09	2.09E-10	6.11E-09	3.24E-10	6.24E-10	3.14E-11	9.80E-10	3.15E-10	5.37E-10	3.98E-11	8.92E-10	1.79E-10	2.96E-10	9.82E-12	4.85E-10
4959	741255.82	4110939.45	2.14E-09	3.90E-09	2.14E-10	6.26E-09	3.32E-10	6.40E-10	3.22E-11	1.00E-09	3.23E-10	5.51E-10	4.08E-11	9.15E-10	1.84E-10	3.04E-10	1.01E-11	4.97E-10
4960	741236.31	4110925.97	2.19E-09	4.00E-09	2.20E-10	6.41E-09	3.40E-10	6.55E-10	3.29E-11	1.03E-09	3.31E-10	5.64E-10	4.18E-11	9.37E-10	1.88E-10	3.11E-10	1.03E-11	5.09E-10
4961	741216.8	4110912.5	2.25E-09	4.09E-09	2.25E-10	6.57E-09	3.48E-10	6.71E-10	3.37E-11	1.05E-09	3.39E-10	5.78E-10	4.28E-11	9.59E-10	1.93E-10	3.19E-10	1.06E-11	5.22E-10
4962	741197.29	4110899.02	2.30E-09	4.20E-09	2.31E-10	6.73E-09	3.57E-10	6.88E-10	3.46E-11	1.08E-09	3.48E-10	5.92E-10	4.39E-11	9.84E-10	1.97E-10	3.27E-10	1.08E-11	5.35E-10
4963	741177.78	4110885.55	2.37E-09	4.32E-09	2.37E-10	6.92E-09	3.67E-10	7.08E-10	3.55E-11	1.11E-09	3.57E-10	6.09E-10	4.51E-11	1.01E-09	2.03E-10	3.36E-10	1.11E-11	5.50E-10
4964	741158.27	4110872.07	2.44E-09	4.44E-09	2.44E-10	7.12E-09	3.78E-10	7.28E-10	3.66E-11	1.14E-09	3.68E-10	6.27E-10	4.65E-11	1.04E-09	2.09E-10	3.46E-10	1.15E-11	5.66E-10
4965	741138.76	4110858.59	2.51E-09	4.58E-09	2.51E-10	7.34E-09	3.90E-10	7.50E-10	3.77E-11	1.18E-09	3.79E-10	6.46E-10	4.79E-11	1.07E-09	2.15E-10	3.56E-10	1.18E-11	5.83E-10
4966	741119.25	4110845.12	2.59E-09	4.71E-09	2.59E-10	7.56E-09	4.01E-10	7.73E-10	3.88E-11	1.21E-09	3.90E-10	6.65E-10	4.93E-11	1.10E-09	2.22E-10	3.67E-10	1.22E-11	6.00E-10
4967	741099.74	4110831.64	2.66E-09	4.84E-09	2.66E-10	7.77E-09	4.12E-10	7.94E-10	3.99E-11	1.25E-09	4.01E-10	6.83E-10	5.06E-11	1.13E-09	2.28E-10	3.77E-10	1.25E-11	6.17E-10
4968	741080.23	4110818.17	2.72E-09	4.96E-09	2.72E-10	7.95E-09	4.22E-10	8.13E-10	4.09E-11	1.28E-09	4.10E-10	7.00E-10	5.19E-11	1.16E-09	2.33E-10	3.86E-10	1.28E-11	6.32E-10
4969	741060.72	4110804.69	2.77E-09	5.06E-09	2.78E-10	8.11E-09	4.30E-10	8.29E-10	4.16E-11	1.30E-09	4.18E-10	7.13E-10	5.29E-11	1.18E-09	2.38E-10	3.93E-10	1.30E-11	6.44E-10
4970	741041.21	4110791.21	2.82E-09	5.13E-09	2.82E-10	8.23E-09	4.37E-10	8.41E-10	4.23E-11	1.32E-09	4.25E-10	7.24E-10	5.37E-11	1.20E-09	2.41E-10	3.99E-10	1.32E-11	6.54E-10
4971	741021.7	4110777.74	2.84E-09	5.18E-09	2.84E-10	8.31E-09	4.41E-10	8.49E-10	4.27E-11	1.33E-09	4.29E-10	7.31E-10	5.42E-11	1.21E-09	2.44E-10	4.03E-10	1.34E-11	6.60E-10
4972	742542.41	4111086.11	8.36E-10	1.52E-09	8.36E-11	2.44E-09	1.30E-10	2.50E-10	1.25E-11	3.92E-10	1.26E-10	2.15E-10	1.59E-11	3.57E-10	7.16E-11	1.19E-10	3.93E-12	1.94E-10
4973	742562.52	4111072.61	8.25E-10	1.50E-09	8.26E-11	2.41E-09	1.28E-10	2.47E-10	1.24E-11	3.87E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.07E-11	1.17E-10	3.88E-12	1.92E-10
4974	742582.63	4111059.12	8.17E-10	1.49E-09	8.17E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
4975	742602.74	4111045.63	8.12E-10	1.48E-09	8.12E-11	2.37E-09	1.26E-10	2.43E-10	1.22E-11	3.81E-10	1.22E-10	2.09E-10	1.55E-11	3.47E-10	6.96E-11	1.15E-10	3.82E-12	1.88E-10
4976	742622.85	4111032.14	8.12E-10	1.48E-09	8.13E-11	2.37E-09	1.26E-10	2.43E-10	1.22E-11	3.81E-10	1.22E-10	2.09E-10	1.55E-11	3.47E-10	6.96E-11	1.15E-10	3.82E-12	1.89E-10
4977	742642.96	4111018.64	8.18E-10	1.49E-09	8.19E-11	2.39E-09	1.27E-10	2.45E-10	1.23E-11	3.84E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.01E-11	1.16E-10	3.85E-12	1.90E-10
4978	742663.07	4111005.15	8.31E-10	1.51E-09	8.32E-11	2.43E-09	1.29E-10	2.48E-10	1.25E-11	3.90E-10	1.25E-10	2.14E-10	1.58E-11	3.55E-10	7.12E-11	1.18E-10	3.91E-12	1.93E-10
4979	742683.18	4110991.66	8.50E-10	1.55E-09	8.51E-11	2.48E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.97E-10
4980	742703.29	4110978.17	8.75E-10	1.59E-09	8.75E-11	2.56E-09	1.36E-10	2.61E-10	1.31E-11	4.10E-10	1.32E-10	2.25E-10	1.67E-11	3.73E-10	7.49E-11	1.24E-10	4.11E-12	2.03E-10
4981	742723.4	4110964.68	9.02E-10	1.64E-09	9.03E-11	2.64E-09	1.40E-10	2.69E-10	1.35E-11	4.23E-10	1.36E-10	2.32E-10	1.72E-11	3.85E-10	7.73E-11	1.28E-10	4.24E-12	2.09E-10
4982	742743.51	4110951.18	9.31E-10	1.70E-09	9.31E-11	2.72E-09	1.44E-10	2.78E-10	1.40E-11	4.36E-10	1.40E-10	2.39E-10	1.77E-11	3.97E-10	7.98E-11	1.32E-10	4.37E-12	2.16E-10
4983	742763.62	4110937.69	9.59E-10	1.75E-09	9.60E-11	2.80E-09	1.49E-10	2.87E-10	1.44E-11	4.50E-10	1.45E-10	2.47E-10	1.83E-11	4.10E-10	8.22E-11	1.36E-10	4.51E-12	2.23E-10
4984	742783.73	4110924.2	9.85E-10	1.80E-09	9.86E-11	2.88E-09	1.53E-10	2.94E-10	1.48E-11	4.62E-10	1.49E-10	2.53E-10	1.88E-11	4.21E-10	8.44E-11	1.40E-10	4.63E-12	2.29E-10
4985	742803.84	4110910.71	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.57E-10	3.02E-10	1.52E-11	4.73E-10	1.52E-10	2.60E-10	1.92E-11	4.31E-10	8.65E-11	1.43E-10	4.75E-12	2.34E-10
4986	742630.26	4111256.78	6.58E-10	1.20E-09	6.59E-11	1.92E-09	1.02E-10	1.97E-10	9.88E-12	3.09E-10	9.93E-11	1.69E-10	1.25E-11	2.81E-10	5.64E-11	9.33E-11	3.09E-12	1.53E-10
4987	742606.69	4111261.38	6.71E-10	1.22E-09	6.72E-11	1.96E-09	1.04E-10	2.00E-10	1.01E-11	3.15E-10	1.01E-10	1.73E-10	1.28E-11	2.87E-10	5.75E-11	9.52E-11	3.15E-12	1.56E-10
4988	742583.11	4111265.97	6.84E-10	1.25E-09	6.84E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.21E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.86E-11	9.70E-11	3.21E-12	1.59E-10

4989	742559.54	4111270.57	6.96E-10	1.27E-09	6.97E-11	2.03E-09	1.08E-10	2.08E-10	1.05E-11	3.26E-10	1.05E-10	1.79E-10	1.33E-11	2.97E-10	5.97E-11	9.87E-11	3.27E-12	1.62E-10
4990	742535.96	4111275.16	7.09E-10	1.29E-09	7.09E-11	2.07E-09	1.10E-10	2.12E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.03E-10	6.07E-11	1.00E-10	3.33E-12	1.65E-10
4991	742512.38	4111279.76	7.21E-10	1.31E-09	7.22E-11	2.11E-09	1.12E-10	2.15E-10	1.08E-11	3.38E-10	1.09E-10	1.85E-10	1.37E-11	3.08E-10	6.18E-11	1.02E-10	3.39E-12	1.67E-10
4992	742488.81	4111284.35	7.35E-10	1.34E-09	7.35E-11	2.15E-09	1.14E-10	2.20E-10	1.10E-11	3.45E-10	1.11E-10	1.89E-10	1.40E-11	3.14E-10	6.30E-11	1.04E-10	3.45E-12	1.71E-10
4993	742465.23	4111288.95	7.50E-10	1.37E-09	7.51E-11	2.19E-09	1.16E-10	2.24E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.43E-11	1.06E-10	3.53E-12	1.74E-10
4994	742441.66	4111293.54	7.68E-10	1.40E-09	7.68E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.60E-10	1.16E-10	1.97E-10	1.46E-11	3.28E-10	6.58E-11	1.09E-10	3.61E-12	1.78E-10
4995	742418.08	4111298.14	7.87E-10	1.43E-09	7.87E-11	2.30E-09	1.22E-10	2.35E-10	1.18E-11	3.69E-10	1.19E-10	2.02E-10	1.50E-11	3.36E-10	6.74E-11	1.12E-10	3.70E-12	1.83E-10
4996	742394.5	4111302.73	8.08E-10	1.47E-09	8.09E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.79E-10	1.22E-10	2.08E-10	1.54E-11	3.45E-10	6.92E-11	1.15E-10	3.80E-12	1.88E-10
4997	742370.93	4111307.32	8.31E-10	1.51E-09	8.31E-11	2.43E-09	1.29E-10	2.48E-10	1.25E-11	3.89E-10	1.25E-10	2.14E-10	1.58E-11	3.55E-10	7.12E-11	1.18E-10	3.90E-12	1.93E-10
4998	742347.35	4111311.92	8.54E-10	1.56E-09	8.54E-11	2.50E-09	1.32E-10	2.55E-10	1.28E-11	4.00E-10	1.29E-10	2.19E-10	1.63E-11	3.65E-10	7.32E-11	1.21E-10	4.01E-12	1.98E-10
4999	742323.78	4111316.51	8.77E-10	1.60E-09	8.78E-11	2.56E-09	1.36E-10	2.62E-10	1.32E-11	4.11E-10	1.32E-10	2.26E-10	1.67E-11	3.75E-10	7.52E-11	1.24E-10	4.12E-12	2.04E-10
5000	742300.2	4111321.11	9.00E-10	1.64E-09	9.01E-11	2.63E-09	1.40E-10	2.69E-10	1.35E-11	4.22E-10	1.36E-10	2.31E-10	1.72E-11	3.84E-10	7.72E-11	1.28E-10	4.23E-12	2.09E-10
5001	742276.62	4111325.7	9.23E-10	1.68E-09	9.24E-11	2.70E-09	1.43E-10	2.76E-10	1.39E-11	4.33E-10	1.39E-10	2.37E-10	1.76E-11	3.94E-10	7.91E-11	1.31E-10	4.34E-12	2.14E-10
5002	742253.05	4111330.3	9.45E-10	1.72E-09	9.46E-11	2.76E-09	1.47E-10	2.82E-10	1.42E-11	4.43E-10	1.43E-10	2.43E-10	1.80E-11	4.04E-10	8.10E-11	1.34E-10	4.44E-12	2.19E-10
5003	742229.47	4111334.89	9.66E-10	1.76E-09	9.67E-11	2.82E-09	1.50E-10	2.89E-10	1.45E-11	4.53E-10	1.46E-10	2.48E-10	1.84E-11	4.12E-10	8.28E-11	1.37E-10	4.54E-12	2.24E-10
5004	742205.9	4111339.49	9.85E-10	1.79E-09	9.86E-11	2.88E-09	1.53E-10	2.94E-10	1.48E-11	4.62E-10	1.49E-10	2.53E-10	1.88E-11	4.21E-10	8.44E-11	1.40E-10	4.63E-12	2.29E-10
5005	742182.32	4111344.08	1.00E-09	1.83E-09	1.00E-10	2.93E-09	1.55E-10	2.99E-10	1.50E-11	4.70E-10	1.51E-10	2.58E-10	1.91E-11	4.28E-10	8.58E-11	1.42E-10	4.71E-12	2.33E-10
5006	742158.74	4111348.68	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.53E-11	4.77E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.71E-11	1.44E-10	4.78E-12	2.36E-10
5007	742135.17	4111353.27	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
5008	742111.59	4111357.87	1.04E-09	1.90E-09	1.04E-10	3.04E-09	1.62E-10	3.11E-10	1.56E-11	4.88E-10	1.57E-10	2.68E-10	1.99E-11	4.45E-10	8.93E-11	1.48E-10	4.90E-12	2.42E-10
5009	742088.01	4111362.46	1.05E-09	1.92E-09	1.05E-10	3.08E-09	1.63E-10	3.15E-10	1.58E-11	4.94E-10	1.59E-10	2.71E-10	2.01E-11	4.50E-10	9.03E-11	1.49E-10	4.95E-12	2.45E-10
5010	742064.44	4111367.06	1.07E-09	1.94E-09	1.07E-10	3.12E-09	1.65E-10	3.19E-10	1.60E-11	5.00E-10	1.61E-10	2.74E-10	2.03E-11	4.55E-10	9.14E-11	1.51E-10	5.01E-12	2.48E-10
5011	742040.86	4111371.65	1.08E-09	1.97E-09	1.08E-10	3.16E-09	1.67E-10	3.23E-10	1.62E-11	5.06E-10	1.63E-10	2.78E-10	2.06E-11	4.61E-10	9.26E-11	1.53E-10	5.08E-12	2.51E-10
5012	742017.29	4111376.25	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.27E-10	1.64E-11	5.14E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.39E-11	1.55E-10	5.15E-12	2.54E-10
5013	741993.71	4111380.84	1.11E-09	2.03E-09	1.11E-10	3.25E-09	1.73E-10	3.33E-10	1.67E-11	5.22E-10	1.68E-10	2.86E-10	2.12E-11	4.75E-10	9.54E-11	1.58E-10	5.23E-12	2.58E-10
5014	741970.13	4111385.43	1.13E-09	2.06E-09	1.13E-10	3.31E-09	1.76E-10	3.38E-10	1.70E-11	5.31E-10	1.71E-10	2.91E-10	2.16E-11	4.83E-10	9.70E-11	1.60E-10	5.32E-12	2.63E-10
5015	741946.56	4111390.03	1.15E-09	2.10E-09	1.15E-10	3.36E-09	1.78E-10	3.44E-10	1.73E-11	5.40E-10	1.74E-10	2.96E-10	2.19E-11	4.91E-10	9.86E-11	1.63E-10	5.41E-12	2.67E-10
5016	741922.98	4111394.62	1.17E-09	2.13E-09	1.17E-10	3.42E-09	1.81E-10	3.49E-10	1.75E-11	5.48E-10	1.76E-10	3.01E-10	2.23E-11	4.99E-10	1.00E-10	1.66E-10	5.49E-12	2.71E-10
5017	741899.41	4111399.22	1.19E-09	2.16E-09	1.19E-10	3.47E-09	1.84E-10	3.54E-10	1.78E-11	5.56E-10	1.79E-10	3.05E-10	2.26E-11	5.07E-10	1.02E-10	1.68E-10	5.58E-12	2.75E-10
5018	741875.83	4111403.81	1.20E-09	2.19E-09	1.20E-10	3.51E-09	1.86E-10	3.59E-10	1.80E-11	5.64E-10	1.81E-10	3.09E-10	2.29E-11	5.13E-10	1.03E-10	1.70E-10	5.65E-12	2.79E-10
5019	741852.25	4111408.41	1.22E-09	2.22E-09	1.22E-10	3.55E-09	1.89E-10	3.63E-10	1.83E-11	5.70E-10	1.83E-10	3.13E-10	2.32E-11	5.19E-10	1.04E-10	1.72E-10	5.72E-12	2.82E-10
5020	741828.68	4111413	1.23E-09	2.24E-09	1.23E-10	3.59E-09	1.90E-10	3.67E-10	1.84E-11	5.76E-10	1.85E-10	3.16E-10	2.34E-11	5.24E-10	1.05E-10	1.74E-10	5.77E-12	2.85E-10
5021	741805.1	4111417.6	1.24E-09	2.25E-09	1.24E-10	3.62E-09	1.92E-10	3.70E-10	1.86E-11	5.80E-10	1.87E-10	3.18E-10	2.36E-11	5.28E-10	1.06E-10	1.75E-10	5.81E-12	2.87E-10
5022	741781.53	4111422.19	1.24E-09	2.27E-09	1.25E-10	3.64E-09	1.93E-10	3.72E-10	1.87E-11	5.83E-10	1.88E-10	3.20E-10	2.37E-11	5.31E-10	1.07E-10	1.76E-10	5.85E-12	2.89E-10
5023	741757.95	4111426.79	1.25E-09	2.28E-09	1.25E-10	3.65E-09	1.94E-10	3.73E-10	1.87E-11	5.86E-10	1.88E-10	3.21E-10	2.38E-11	5.33E-10	1.07E-10	1.77E-10	5.87E-12	2.90E-10
5024	741734.37	4111431.38	1.25E-09	2.28E-09	1.25E-10	3.66E-09	1.94E-10	3.74E-10	1.88E-11	5.87E-10	1.89E-10	3.22E-10	2.39E-11	5.35E-10	1.07E-10	1.78E-10	5.89E-12	2.91E-10
5025	741710.8	4111435.98	1.25E-09	2.28E-09	1.25E-10	3.66E-09	1.94E-10	3.74E-10	1.88E-11	5.88E-10	1.89E-10	3.22E-10	2.39E-11	5.35E-10	1.07E-10	1.78E-10	5.89E-12	2.91E-10
5026	741687.22	4111440.57	1.25E-09	2.28E-09	1.25E-10	3.66E-09	1.94E-10	3.74E-10	1.88E-11	5.87E-10	1.89E-10	3.22E-10	2.39E-11	5.35E-10	1.07E-10	1.78E-10	5.89E-12	2.91E-10
5027	741643.88	4111431.51	1.27E-09	2.32E-09	1.27E-10	3.71E-09	1.97E-10	3.80E-10	1.91E-11	5.96E-10	1.92E-10	3.27E-10	2.42E-11	5.43E-10	1.09E-10	1.80E-10	5.97E-12	2.95E-10
5028	741624.12	4111417.86	1.29E-09	2.35E-09	1.29E-10	3.77E-09	2.00E-10	3.86E-10	1.94E-11	6.05E-10	1.95E-10	3.32E-10	2.46E-11	5.51E-10	1.11E-10	1.83E-10	6.07E-12	3.00E-10
5029	741604.36	4111404.21	1.31E-09	2.39E-09	1.31E-10	3.83E-09	2.03E-10	3.91E-10	1.97E-11	6.14E-10	1.97E-10	3.37E-10	2.50E-11	5.59E-10	1.12E-10	1.86E-10	6.15E-12	3.04E-10
5030	741584.59	4111390.56	1.33E-09	2.42E-09	1.33E-10	3.88E-09	2.06E-10	3.96E-10	1.99E-11	6.22E-10	2.00E-10	3.41E-10	2.53E-11	5.66E-10	1.14E-10	1.88E-10	6.24E-12	3.08E-10
5031	741564.83	4111376.91	1.34E-09	2.45E-09	1.34E-10	3.92E-09	2.08E-10	4.01E-10	2.01E-11	6.29E-10	2.02E-10	3.45E-10	2.56E-11	5.73E-10	1.15E-10	1.90E-10	6.31E-12	3.12E-10
5032	741545.07	4111363.26	1.36E-09	2.47E-09	1.36E-10	3.96E-09	2.10E-10	4.05E-10	2.03E-11	6.36E-10	2.04E-10	3.48E-10	2.58E-11	5.79E-10	1.16E-10	1.92E-10	6.37E-12	3.15E-10
5033	741525.3	4111349.61	1.37E-09	2.49E-09	1.37E-10	4.00E-09	2.12E-10	4.08E-10	2.05E-11	6.41E-10	2.06E-10	3.51E-10	2.61E-11	5.84E-10	1.17E-10	1.94E-10	6.43E-12	3.17E-10
5034	741505.54	4111335.96	1.38E-09	2.51E-09	1.38E-10	4.02E-09	2.13E-10	4.11E-10	2.07E-11	6.45E-10	2.07E-10	3.54E-10	2.62E-11	5.87E-10	1.18E-10	1.95E-10	6.47E-12	3.19E-10
5035	741485.77	4111322.31	1.38E-09	2.52E-09	1.38E-10	4.04E-09	2.14E-10	4.13E-10	2.07E-11	6.48E-10	2.08E-10	3.55E-10	2.63E-11	5.90E-10	1.18E-10	1.96E-10	6.49E-12	3.21E-10
5036	741466.01	4111308.66	1.38E-09	2.52E-09	1.38E-10	4.04E-09	2.15E-10	4.14E-10	2.08E-11	6.49E-10	2.09E-10	3.56E-10	2.64E-11	5.91E-10	1.19E-10	1.96E-10	6.50E-12	3.21E-10
5037	741446.25	4111295.01	1.38E-09	2.52E-09	1.38E-10	4.04E-09	2.15E-10	4.13E-10	2.08E-11	6.49E-10	2.09E-10	3.56E-10	2.64E-11	5.91E-10	1.19E-10	1.96E-10	6.50E-12	3.21E-10
5038	741426.48	4111281.35	1.38E-09	2.52E-09	1.38E-10	4.03E-09	2.14E-10	4.12E-10	2.07E-11	6.47E-10	2.08E-10	3.55E-10	2.63E-11	5.89E-10	1.18E-10	1.96E-10	6.49E-12	3.21E-10
5039	741406.72	4111267.7	1.38E-09	2.51E-09	1.38E-10	4.02E-09	2.13E-10	4.11E-10	2.07E-11	6.45E-10	2.08E-10	3.54E-10	2.62E-11	5.88E-10	1.18E-10	1.95E-10	6.47E-12	3.20E-10
5040	741386.96	4111254.05	1.37E-09	2.50E-09	1.37E-10	4.01E-09	2.13E-10	4.10E-10	2.06E-11	6.44E-10	2.07E-10	3.53E-10	2.62E-11	5.86E-10	1.18E-10	1.95E-10	6.45E-12	3.19E-10
5041	741367.19	4111240.4	1.37E-09	2.50E-09	1.37E-10	4.01E-09	2.13E-10	4.10E-10	2.06E-11	6.43E-10	2.07E-10	3.52E-10	2.61E-11	5.85E-10	1.17E-10	1.94E-10	6.44E-12	3.18E-10
5042	741347.43	4111226.75	1.37E-09	2.50E-09	1.37E-10	4.02E-09	2.13E-10	4.11E-10	2.06E-11	6.44E-10	2.07E-10	3.53E-10	2.62E-11	5.87E-10	1.18E-10	1.95E-10	6.46E-12	3.19E-10
5043	741327.67	4111213.1	1.38E-09	2.52E-09	1.38E-10	4.04E-09	2.14E-10	4.13E-10	2.08E-11	6.48E-10	2.09E-10	3.55E-10	2.63E-11	5.90E-10	1.18E-10	1.96E-10	6.50E-12	3.21E-10
5044	741307.9	4111199.45	1.40E-09	2.55E-09	1.40E-10	4.09E-09	2.17E-10	4.18E-10	2.10E-11	6.56E-10	2.11E-10	3.60E-10	2.67E-11	5.98E-10	1.20E-10	1.98E-10	6.58E-12	3.25E-10
5045	741288.14	4111185.8	1.43E-09	2.60E-09	1.43E-10	4.16E-09	2.21E-10	4.26E-10	2.14E-11	6.68E-10	2.15E-10	3.66E-10	2.72E-11	6.08E-10	1.22E-10	2.02E-10	6.70E-12	3.31E-10
5046	741268.38	4111172.15	1.46E-09	2.66E-09	1.46E-10	4.26E-09	2.26E-10	4.35E-10	2.19E-11	6.83E-10	2.20E-10	3.75E-10	2.78E-11	6.22E-10	1.25E-10	2.07E-10	6.85E-12	3.38E-10
5047	741248.61	4111158.5	1.50E-09	2.73E-09	1.50E-10	4.37E-09	2.32E-10	4.47E-10	2.24E-11	7.01E-10	2.26E-10	3.85E-10	2.85E-11	6.39E-10	1.28E-10	2.12E-10	7.03E-12	3.47E-10
5048	741228.85	4111144.85	1.54E-09	2.80E-09	1.54E-10	4.49E-09	2.38E-10	4.59E-10	2.31E-11	7.21E-10	2.32E-10	3.95E-10	2.93E-11	6.56E-10	1.32E-10	2.18E-10	7.22E-12	3.57E-10
5049	741209.09	4111131.2	1.58E-09	2.88E-09	1.58E-10	4.62E-09	2.45E-10	4.72E-10	2.37E-11	7.40E-10	2.38E-10	4.06E-10	3.01E-11	6.74E-10	1.35E-10	2.24E-10	7.42E-12	3.67E-10
5050	741189.32	4111117.54	1.62E-09	2.95E-09	1.62E-10	4.73E-09	2.51E-10	4.84E-10	2.43E-11	7.59E-10	2.44E-10	4.16E-10	3.09E-11	6.92E-10	1.39E-10	2.30E-10	7.61E-12	3.76E-10
5051	741169.56	4111103.89	1.66E-09	3.02E-09	1.66E-10	4.84E-09	2.57E-10	4.95E-10	2.49E-11	7.77E-10	2.50E-10	4.26E-10	3.16E-11	7.07E-10	1.42E-10	2.35E-10	7.79E-12	3.85E-10
5052	741149.8	4111090.24	1.69E-09	3.08E-09	1.69E-10	4.94E-09	2.62E-10	5.05E-10	2.54E-11	7.93E-10	2.55E-10	4.35E-10	3.22E-11	7.22E-10	1.45E-10	2.40E-10	7.94E-12	3.92E-10
5053	741130.03	4111076.59	1.72E-09	3.14E-09	1.72E-10	5.03E-09	2.67E-10	5.15E-10	2.58E-11	8.07E-10	2.60E-10	4.43E-10	3.28E-11	7.35E-10	1.48E-10	2.44E-10	8.09E-12	4.00E-10
5054	741110.27	4111062.94	1.75E-09	3.20E-09	1.75E-10	5.13E-09	2.72E-10	5.24E-10	2.63E-11	8.22E-10	2.64E-10	4.51E-10	3.34E-11	7.49E-10	1.50E-10	2.49E-10	8.24E-12	4.07E-10
5055	741090.51	4111049.29	1.79E-09	3.26E-09	1.79E-10	5.22E-09	2.77E-10	5.34E-10	2.68E-11	8.38E-10	2.70E-10	4.60E-10	3.41E-11	7.63E-10	1.53E-10	2.53E-10	8.40E-12	4.15E-10
5056	741070.74	4111035.64	1.83E-09	3.33E-09	1.83E-10	5.33E-09	2.83E-10	5.45E-10	2.74E-11	8.56E-10	2.75E-10	4.69E-10	3.48E-11	7.79E-10	1.56E-10	2.59E-10	8.58E-12	4.24E-10
5057	741050.98	4111021.99	1.87E-09	3.40E-09	1.87E-10	5.46E-09	2.90E-10	5.58E-10	2.80E-11	8.76E-10	2.82E-10	4.80E-10	3.56E-11	7.98E-10	1.60E-10	2.65E-10	8.78E-12	4.34E-10
5058	741031.22	4111008.34	1.92E-09	3.49E-09	1.92E-10	5.60E-09	2.97E-10	5.72E-10	2.87E-11	8.98E-10	2.89E-10	4.92E-10	3.65E-11	8.18E-10	1.64E-10	2.72E-10	9.00E-12	4.45E-10
5059	741011.45	4110994.69	1.97E-09	3.59E-09	1.97E-10	5.75E-09	3.05E-10	5.88E-10	2.95E-11	9.23E-10	2.97E-10	5.06E-10	3.75E-11	8.40E-10	1.69E-10	2.79E-10	9.25E-12	4.57E-10
5060	740991.69	4110981.04	2.02E-09	3.69E-09	2.02E-10	5.91E-09	3.14E-10	6.04E-10	3.04E-11	9.49E-10	3.05E-10	5.20E-10	3.86E-11	8.64E-10	1.73E-10	2.87E-10	9.51E-12	4.70E-10
5061	740971.92	4110967.38	2.08E-09	3.79E-09	2.08E-10	6.07E-09	3.22E-10	6.21E-10	3.12E-11	9.74E-10	3.13E-10	5.34E-10	3.96E-11	8.87E-10	1.78E-10	2.95E-10	9.77E-12	4.82E-10
5062	740952.16	4110953.73	2.13E-09	3.88E-09	2.13E-10	6.23E-09	3.30E-10	6.36E-10	3.20E-11	9.99E-10	3.21E-10	5.48E-10	4.06E-11	9.09E-10	1.83E-10	3.02E-10	1.00E-11	4.95E-10
5063	740932.4	4110940.08	2.18E-09	3.97E-09	2.18E-10	6.36E-09	3.38E-10	6.50E-10	3.27E-11	1.02E-09	3.28E-10	5.60E-10	4.15E-11	9.29E-10	1.87E-10	3.09E-10	1.02E-11	5.05E-10
5064	740912.63	4110926.43	2.22E-09	4.04E-09	2.22E-10	6.48E-09	3.44E-10	6.62E-10	3.33E-11	1.04E-09	3.34E-10	5.70E-10	4.22E-11	9.46E-10	1.90E-10	3.14E-10	1.04E-11	5.15E-10
5065	740892.87	4110912.78	2.25E-09	4.09E-09	2.25E-10	6.56E-09	3.48E-10	6.71E-10	3.37E-11	1.05E-09	3.39E-10	5.77E-10	4.28E-11	9.59E-10	1.92E-10	3.18E-10	1.06E-11	5.21E-10
5066	740873.11	4110899.13	2.27E-09	4.13E-09	2.27E-10	6.62E-09	3.51E-10	6.77E-10	3.40E-11	1.06E-09	3.42E-10	5.82E-10	4.32E-11	9.67E-10	1.94E-10	3.21E-10	1.06E-11	5.26E-10
5067	740853.34	4110885.48	2.27E-09	4.14E-09	2.28E-10	6.65E-09	3.53E-10	6.79E-10	3.41E-11	1.07E-09	3.43E-10	5.85E-10	4.33E-11	9.71E-10	1.95E-10	3.22E-10	1.07E-11	5.28E-10
5068	742653.84	4111252.19	6.46E-10	1.18E-09	6.46E-11	1.89E-09	1.00E-10	1.93E-10	9.69E-12	3.03E-10	9.74E-11	1.66E-10	1.23E-11	2.76E-10	5.53E-11	9.15E-11	3.03E-12	1.50E-10
5069	742673.95	4111238.7	6.40E-10	1.17E-09	6.40E-11	1.87E-09	9.92E-11	1.91E-10	9.60E-12	3.00E-10	9.65E-11	1.65E-10	1.22E-11	2.73E-10	5.48E-11	9.07E-11	3.01E-12	1.49E-10
5070	742694.06	4111225.2	6.35E-10	1.16E-09	6.35E-11	1.85E-09	9.84E-11	1.90E-10	9.53E-12	2.98E-10	9.57E-11	1.63E-10	1.21E-11	2.71E-10	5.44E-11	9.00E-11	2.98E-12	1.47E-10
5071	742714.17	4111211.71	6.31E-10	1.15E-09	6.32E-11	1.84E-09	9.79E-11	1.89E-10	9.47E-12	2.96E-10	9.52E-11	1.62E-10	1.20E-11	2.69E-10	5.41E-11	8.95E-11	2.97E-12	1.47E-10
5072	742734.28	4111198.22	6.30E-10	1.15E-09	6.30E-11	1.84E-09	9.77E-11	1.88E-10	9.45E-12	2.95E-10	9.50E-11	1.62E-10	1.20E-11	2.69E-10	5.40E-11	8.93E-11	2.96E-12	1.46E-10
5073	742754.39	4111184.73	6.31E-10	1.15E-09	6.32E-11	1.84E-09	9.79E-11	1.89E-10	9.47E-12	2.96E-10	9.52E-11	1.62E-10	1.20E-11	2.70E-10	5.41E-11	8.95E-11	2.97E-12	1.47E-10
5074	742774.5	4111171.23	6.37E-10	1.16E-09	6.37E-11	1.86E-09	9.88E-11	1.90E-10	9.56E-12	2.99E-10	9.60E-11	1.64E-10	1.21E-11	2.72E-10	5.46E-11	9.03E-11	2.99E-12	1.48E-10
5075	742794.61	4111157.74	6.47E-10	1.18E-09	6.47E-11	1.89E-09	1.00E-10	1.93E-10	9.71E-12	3.03E-10	9.76E-11	1.66E-10	1.23E-11	2.76E-10	5.54E-11	9.17E-11	3.04E-12	1.50E-10
5076	742814.72	4111144.25	6.62E-10	1.21E-09	6.62E-11	1.93E-09	1.03E-10	1.98E-10	9.93E-12	3.10E-10	9.98E-11	1.70E-10	1.26E-11	2.83E-10	5.67E-11	9.39E-11	3.11E-12	1.54E-10
5077	742834.83	4111130.76	6.81E-10	1.24E-09	6.82E-11	1.99E-09	1.06E-10	2.04E-10	1.02E-11	3.19E-10	1.03E-10	1.75E-10	1.30E-11	2.91E-10	5.84E-11	9.66E-11	3.20E-12	1.58E-10
5078	742854.94	4111117.27	7.04E-10	1.28E-09	7.04E-11	2.06E-09	1.09E-10	2.10E-10	1.06E-11	3.30E-10	1.06E-10	1.81E-10	1.34E-11	3.01E-10	6.03E-11	9.98E-11	3.31E-12	1.63E-10
5079	742875.05	4111103.77	7.29E-10	1.33E-09	7.29E-11	2.13E-09	1.13E-10	2.18E-10	1.09E-11	3.42E-10	1.10E-10	1.87E-10	1.39E-11	3.11E-10	6.25E-11	1.03E-10	3.43E-12	1.69E-10
5080	742895.16	4111090.28	7.54E-10	1.37E-09	7.54E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.53E-10	1.14E-10	1.94E-10	1.44E-11	3.22E-10	6.46E-11	1.07E-10	3.54E-12	1.75E-10
5081	742915.27	4111076.79	7.78E-10	1.42E-09	7.79E-11	2.27E-09	1.21E-10	2.33E-10	1.17E-11	3.65E-10	1.17E-10	2.00E-10	1.48E-11	3.32E-10	6.67E-11	1.10E-10	3.66E-12	1.81E-10
5082	742741.95	4111422.82	5.32E-10	9.69E-10	5.32E-11	1.55E-09	8.25E-11	1.59E-10	7.98E-12	2.49E-10	8.02E-11	1.37E-10	1.01E-11	2.27E-10	4.56E-11	7.54E-11	2.50E-12	1.23E-10
5083	742718.64	4111427.36	5.39E-10	9.83E-10	5.40E-11	1.58E-09	8.36E-11	1.61E-10	8.10E-12	2.53E-10	8.13E-11	1.39E-10	1.03E-11	2.30E-10	4.62E-11	7.65E-11	2.53E-12	1.25E-10
5084	742695.32	4111431.9	5.47E-10	9.96E-10	5.47E-11	1.60E-09	8.48E-11	1.63E-10	8.20E-12	2.56E-10	8.24E-11	1.41E-10	1.04E-11	2.33E-10	4.68E-11	7.75E-11	2.57E-12	1.27E-10

5085	742672	4111436.45	5.54E-10	1.01E-09	5.54E-11	1.62E-09	8.59E-11	1.65E-10	8.31E-12	2.60E-10	8.35E-11	1.42E-10	1.05E-11	2.36E-10	4.74E-11	7.85E-11	2.60E-12	1.29E-10
5086	742648.68	4111440.99	5.61E-10	1.02E-09	5.61E-11	1.64E-09	8.69E-11	1.67E-10	8.41E-12	2.63E-10	8.45E-11	1.44E-10	1.07E-11	2.39E-10	4.80E-11	7.95E-11	2.63E-12	1.30E-10
5087	742625.37	4111445.54	5.68E-10	1.03E-09	5.68E-11	1.66E-09	8.80E-11	1.70E-10	8.52E-12	2.66E-10	8.56E-11	1.46E-10	1.08E-11	2.42E-10	4.86E-11	8.05E-11	2.67E-12	1.32E-10
5088	742602.05	4111450.08	5.76E-10	1.05E-09	5.76E-11	1.68E-09	8.93E-11	1.72E-10	8.64E-12	2.70E-10	8.68E-11	1.48E-10	1.10E-11	2.46E-10	4.93E-11	8.16E-11	2.71E-12	1.34E-10
5089	742578.73	4111454.63	5.85E-10	1.07E-09	5.85E-11	1.71E-09	9.07E-11	1.75E-10	8.78E-12	2.74E-10	8.82E-11	1.50E-10	1.11E-11	2.50E-10	5.01E-11	8.29E-11	2.75E-12	1.36E-10
5090	742555.42	4111459.17	5.95E-10	1.08E-09	5.95E-11	1.74E-09	9.22E-11	1.78E-10	8.93E-12	2.79E-10	8.97E-11	1.53E-10	1.13E-11	2.54E-10	5.10E-11	8.43E-11	2.80E-12	1.38E-10
5091	742532.1	4111463.71	6.06E-10	1.11E-09	6.07E-11	1.77E-09	9.40E-11	1.81E-10	9.10E-12	2.84E-10	9.14E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.60E-11	2.85E-12	1.41E-10
5092	742508.78	4111468.26	6.20E-10	1.13E-09	6.20E-11	1.81E-09	9.62E-11	1.85E-10	9.31E-12	2.91E-10	9.35E-11	1.59E-10	1.18E-11	2.65E-10	5.31E-11	8.79E-11	2.91E-12	1.44E-10
5093	742485.47	4111472.8	6.35E-10	1.16E-09	6.36E-11	1.86E-09	9.85E-11	1.90E-10	9.54E-12	2.98E-10	9.58E-11	1.63E-10	1.21E-11	2.71E-10	5.45E-11	9.01E-11	2.99E-12	1.48E-10
5094	742462.15	4111477.35	6.52E-10	1.19E-09	6.53E-11	1.91E-09	1.01E-10	1.95E-10	9.79E-12	3.06E-10	9.83E-11	1.68E-10	1.24E-11	2.78E-10	5.59E-11	9.25E-11	3.06E-12	1.51E-10
5095	742438.83	4111481.89	6.70E-10	1.22E-09	6.70E-11	1.96E-09	1.04E-10	2.00E-10	1.01E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.74E-11	9.50E-11	3.15E-12	1.56E-10
5096	742415.51	4111486.43	6.88E-10	1.25E-09	6.89E-11	2.01E-09	1.07E-10	2.06E-10	1.03E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.90E-11	9.76E-11	3.24E-12	1.60E-10
5097	742392.2	4111490.98	7.07E-10	1.29E-09	7.08E-11	2.07E-09	1.10E-10	2.11E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.02E-10	6.06E-11	1.00E-10	3.32E-12	1.64E-10
5098	742368.88	4111495.52	7.26E-10	1.32E-09	7.26E-11	2.12E-09	1.13E-10	2.17E-10	1.09E-11	3.40E-10	1.09E-10	1.87E-10	1.38E-11	3.10E-10	6.22E-11	1.03E-10	3.41E-12	1.68E-10
5099	742345.56	4111500.07	7.44E-10	1.36E-09	7.44E-11	2.17E-09	1.15E-10	2.22E-10	1.12E-11	3.49E-10	1.12E-10	1.91E-10	1.42E-11	3.17E-10	6.37E-11	1.05E-10	3.49E-12	1.73E-10
5100	742322.25	4111504.61	7.61E-10	1.39E-09	7.61E-11	2.22E-09	1.18E-10	2.27E-10	1.14E-11	3.57E-10	1.15E-10	1.96E-10	1.45E-11	3.25E-10	6.52E-11	1.08E-10	3.58E-12	1.77E-10
5101	742298.93	4111509.16	7.77E-10	1.42E-09	7.78E-11	2.27E-09	1.21E-10	2.32E-10	1.17E-11	3.64E-10	1.17E-10	2.00E-10	1.48E-11	3.32E-10	6.66E-11	1.10E-10	3.65E-12	1.80E-10
5102	742275.61	4111513.7	7.92E-10	1.44E-09	7.93E-11	2.32E-09	1.23E-10	2.37E-10	1.19E-11	3.71E-10	1.19E-10	2.04E-10	1.51E-11	3.38E-10	6.79E-11	1.12E-10	3.72E-12	1.84E-10
5103	742252.3	4111518.24	8.06E-10	1.47E-09	8.06E-11	2.35E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.90E-11	1.14E-10	3.79E-12	1.87E-10
5104	742228.98	4111522.79	8.18E-10	1.49E-09	8.18E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.01E-11	1.16E-10	3.84E-12	1.90E-10
5105	742205.66	4111527.33	8.27E-10	1.51E-09	8.28E-11	2.42E-09	1.28E-10	2.47E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.53E-10	7.09E-11	1.17E-10	3.89E-12	1.92E-10
5106	742182.34	4111531.88	8.36E-10	1.52E-09	8.36E-11	2.44E-09	1.30E-10	2.50E-10	1.25E-11	3.92E-10	1.26E-10	2.15E-10	1.59E-11	3.57E-10	7.16E-11	1.19E-10	3.93E-12	1.94E-10
5107	742159.03	4111536.42	8.43E-10	1.54E-09	8.43E-11	2.46E-09	1.31E-10	2.52E-10	1.26E-11	3.95E-10	1.27E-10	2.17E-10	1.61E-11	3.60E-10	7.22E-11	1.19E-10	3.96E-12	1.96E-10
5108	742135.71	4111540.96	8.49E-10	1.55E-09	8.50E-11	2.48E-09	1.32E-10	2.54E-10	1.27E-11	3.98E-10	1.28E-10	2.18E-10	1.62E-11	3.63E-10	7.28E-11	1.20E-10	3.99E-12	1.97E-10
5109	742112.39	4111545.51	8.56E-10	1.56E-09	8.56E-11	2.50E-09	1.33E-10	2.56E-10	1.28E-11	4.01E-10	1.29E-10	2.20E-10	1.63E-11	3.65E-10	7.33E-11	1.21E-10	4.02E-12	1.99E-10
5110	742089.08	4111550.05	8.63E-10	1.57E-09	8.64E-11	2.52E-09	1.34E-10	2.58E-10	1.30E-11	4.05E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.40E-11	1.22E-10	4.06E-12	2.00E-10
5111	742065.76	4111554.6	8.72E-10	1.59E-09	8.72E-11	2.55E-09	1.35E-10	2.60E-10	1.31E-11	4.09E-10	1.31E-10	2.24E-10	1.66E-11	3.72E-10	7.47E-11	1.24E-10	4.10E-12	2.02E-10
5112	742042.44	4111559.14	8.82E-10	1.61E-09	8.83E-11	2.58E-09	1.37E-10	2.64E-10	1.32E-11	4.14E-10	1.33E-10	2.27E-10	1.68E-11	3.77E-10	7.56E-11	1.25E-10	4.15E-12	2.05E-10
5113	742019.13	4111563.69	8.94E-10	1.63E-09	8.95E-11	2.61E-09	1.39E-10	2.67E-10	1.34E-11	4.19E-10	1.35E-10	2.30E-10	1.70E-11	3.82E-10	7.66E-11	1.27E-10	4.20E-12	2.08E-10
5114	741995.81	4111568.23	9.07E-10	1.65E-09	9.08E-11	2.65E-09	1.41E-10	2.71E-10	1.36E-11	4.25E-10	1.37E-10	2.33E-10	1.73E-11	3.87E-10	7.78E-11	1.29E-10	4.26E-12	2.11E-10
5115	741972.49	4111572.77	9.22E-10	1.68E-09	9.22E-11	2.69E-09	1.43E-10	2.75E-10	1.38E-11	4.32E-10	1.39E-10	2.37E-10	1.76E-11	3.94E-10	7.90E-11	1.31E-10	4.33E-12	2.14E-10
5116	741949.18	4111577.32	9.37E-10	1.71E-09	9.37E-11	2.74E-09	1.45E-10	2.80E-10	1.41E-11	4.39E-10	1.41E-10	2.41E-10	1.78E-11	4.00E-10	8.03E-11	1.33E-10	4.40E-12	2.17E-10
5117	741925.86	4111581.86	9.51E-10	1.73E-09	9.52E-11	2.78E-09	1.48E-10	2.84E-10	1.43E-11	4.46E-10	1.43E-10	2.45E-10	1.81E-11	4.06E-10	8.15E-11	1.35E-10	4.47E-12	2.21E-10
5118	741902.54	4111586.41	9.65E-10	1.76E-09	9.66E-11	2.82E-09	1.50E-10	2.88E-10	1.45E-11	4.53E-10	1.46E-10	2.48E-10	1.84E-11	4.12E-10	8.27E-11	1.37E-10	4.54E-12	2.24E-10
5119	741879.22	4111590.95	9.79E-10	1.78E-09	9.79E-11	2.86E-09	1.52E-10	2.92E-10	1.47E-11	4.59E-10	1.48E-10	2.52E-10	1.86E-11	4.18E-10	8.38E-11	1.39E-10	4.60E-12	2.27E-10
5120	741855.91	4111595.49	9.90E-10	1.80E-09	9.91E-11	2.89E-09	1.54E-10	2.96E-10	1.49E-11	4.64E-10	1.49E-10	2.55E-10	1.89E-11	4.23E-10	8.48E-11	1.40E-10	4.65E-12	2.30E-10
5121	741832.59	4111600.04	1.00E-09	1.82E-09	1.00E-10	2.92E-09	1.55E-10	2.99E-10	1.50E-11	4.69E-10	1.51E-10	2.57E-10	1.91E-11	4.27E-10	8.57E-11	1.42E-10	4.70E-12	2.32E-10
5122	741809.27	4111604.58	1.01E-09	1.84E-09	1.01E-10	2.95E-09	1.56E-10	3.01E-10	1.51E-11	4.73E-10	1.52E-10	2.59E-10	1.92E-11	4.31E-10	8.64E-11	1.43E-10	4.74E-12	2.34E-10
5123	741785.96	4111609.13	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.57E-10	3.03E-10	1.52E-11	4.76E-10	1.53E-10	2.61E-10	1.93E-11	4.33E-10	8.70E-11	1.44E-10	4.77E-12	2.36E-10
5124	741762.64	4111613.67	1.02E-09	1.86E-09	1.02E-10	2.98E-09	1.58E-10	3.05E-10	1.53E-11	4.79E-10	1.54E-10	2.62E-10	1.95E-11	4.36E-10	8.75E-11	1.45E-10	4.80E-12	2.37E-10
5125	741739.32	4111618.22	1.03E-09	1.87E-09	1.03E-10	3.00E-09	1.59E-10	3.06E-10	1.54E-11	4.81E-10	1.55E-10	2.64E-10	1.95E-11	4.38E-10	8.79E-11	1.45E-10	4.82E-12	2.38E-10
5126	741716.01	4111622.76	1.03E-09	1.87E-09	1.03E-10	3.01E-09	1.59E-10	3.07E-10	1.54E-11	4.82E-10	1.55E-10	2.64E-10	1.96E-11	4.39E-10	8.81E-11	1.46E-10	4.83E-12	2.39E-10
5127	741692.69	4111627.3	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.83E-11	1.46E-10	4.84E-12	2.39E-10
5128	741669.37	4111631.85	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.83E-11	1.46E-10	4.84E-12	2.39E-10
5129	741646.05	4111636.39	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.83E-11	1.46E-10	4.84E-12	2.39E-10
5130	741603.19	4111627.44	1.04E-09	1.90E-09	1.04E-10	3.05E-09	1.62E-10	3.12E-10	1.57E-11	4.89E-10	1.57E-10	2.68E-10	1.99E-11	4.46E-10	8.94E-11	1.48E-10	4.90E-12	2.42E-10
5131	741583.65	4111613.94	1.06E-09	1.93E-09	1.06E-10	3.09E-09	1.64E-10	3.16E-10	1.59E-11	4.96E-10	1.60E-10	2.72E-10	2.02E-11	4.52E-10	9.07E-11	1.50E-10	4.97E-12	2.46E-10
5132	741564.1	4111600.43	1.07E-09	1.95E-09	1.07E-10	3.13E-09	1.66E-10	3.20E-10	1.61E-11	5.02E-10	1.62E-10	2.75E-10	2.04E-11	4.57E-10	9.18E-11	1.52E-10	5.04E-12	2.49E-10
5133	741544.55	4111586.93	1.08E-09	1.98E-09	1.09E-10	3.17E-09	1.68E-10	3.24E-10	1.63E-11	5.08E-10	1.64E-10	2.79E-10	2.07E-11	4.63E-10	9.29E-11	1.54E-10	5.10E-12	2.52E-10
5134	741525.01	4111573.43	1.10E-09	2.00E-09	1.10E-10	3.20E-09	1.70E-10	3.28E-10	1.65E-11	5.14E-10	1.65E-10	2.82E-10	2.09E-11	4.68E-10	9.40E-11	1.56E-10	5.15E-12	2.55E-10
5135	741505.46	4111559.93	1.11E-09	2.02E-09	1.11E-10	3.24E-09	1.72E-10	3.31E-10	1.66E-11	5.20E-10	1.67E-10	2.85E-10	2.11E-11	4.73E-10	9.50E-11	1.57E-10	5.21E-12	2.57E-10
5136	741485.91	4111546.43	1.12E-09	2.04E-09	1.12E-10	3.27E-09	1.74E-10	3.34E-10	1.68E-11	5.25E-10	1.69E-10	2.88E-10	2.13E-11	4.78E-10	9.59E-11	1.59E-10	5.26E-12	2.60E-10
5137	741466.37	4111532.93	1.13E-09	2.06E-09	1.13E-10	3.30E-09	1.75E-10	3.37E-10	1.69E-11	5.29E-10	1.70E-10	2.90E-10	2.15E-11	4.82E-10	9.67E-11	1.60E-10	5.31E-12	2.62E-10
5138	741446.82	4111519.43	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.40E-10	1.71E-11	5.33E-10	1.71E-10	2.92E-10	2.17E-11	4.85E-10	9.74E-11	1.61E-10	5.34E-12	2.64E-10
5139	741427.27	4111505.93	1.14E-09	2.08E-09	1.14E-10	3.34E-09	1.77E-10	3.41E-10	1.72E-11	5.36E-10	1.72E-10	2.94E-10	2.18E-11	4.88E-10	9.79E-11	1.62E-10	5.37E-12	2.65E-10
5140	741407.73	4111492.43	1.15E-09	2.09E-09	1.15E-10	3.35E-09	1.78E-10	3.42E-10	1.72E-11	5.37E-10	1.73E-10	2.95E-10	2.18E-11	4.89E-10	9.82E-11	1.63E-10	5.39E-12	2.66E-10
5141	741388.18	4111478.93	1.15E-09	2.09E-09	1.15E-10	3.35E-09	1.78E-10	3.43E-10	1.72E-11	5.38E-10	1.73E-10	2.95E-10	2.19E-11	4.90E-10	9.83E-11	1.63E-10	5.39E-12	2.66E-10
5142	741368.64	4111465.43	1.15E-09	2.09E-09	1.15E-10	3.35E-09	1.78E-10	3.42E-10	1.72E-11	5.37E-10	1.73E-10	2.94E-10	2.18E-11	4.89E-10	9.81E-11	1.62E-10	5.38E-12	2.66E-10
5143	741349.09	4111451.92	1.14E-09	2.08E-09	1.14E-10	3.33E-09	1.77E-10	3.41E-10	1.71E-11	5.35E-10	1.72E-10	2.93E-10	2.17E-11	4.87E-10	9.77E-11	1.62E-10	5.36E-12	2.65E-10
5144	741329.54	4111438.42	1.13E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.39E-10	1.70E-11	5.32E-10	1.71E-10	2.92E-10	2.16E-11	4.84E-10	9.72E-11	1.61E-10	5.33E-12	2.63E-10
5145	741310	4111424.92	1.13E-09	2.06E-09	1.13E-10	3.30E-09	1.75E-10	3.37E-10	1.69E-11	5.29E-10	1.70E-10	2.90E-10	2.15E-11	4.82E-10	9.67E-11	1.60E-10	5.30E-12	2.62E-10
5146	741290.45	4111411.42	1.12E-09	2.05E-09	1.12E-10	3.28E-09	1.74E-10	3.36E-10	1.69E-11	5.27E-10	1.69E-10	2.89E-10	2.14E-11	4.80E-10	9.63E-11	1.59E-10	5.28E-12	2.61E-10
5147	741270.9	4111397.92	1.12E-09	2.04E-09	1.12E-10	3.28E-09	1.74E-10	3.35E-10	1.68E-11	5.25E-10	1.69E-10	2.88E-10	2.14E-11	4.78E-10	9.60E-11	1.59E-10	5.27E-12	2.60E-10
5148	741251.36	4111384.42	1.12E-09	2.05E-09	1.12E-10	3.28E-09	1.74E-10	3.35E-10	1.68E-11	5.26E-10	1.69E-10	2.89E-10	2.14E-11	4.79E-10	9.62E-11	1.59E-10	5.28E-12	2.61E-10
5149	741231.81	4111370.92	1.13E-09	2.06E-09	1.13E-10	3.30E-09	1.75E-10	3.37E-10	1.70E-11	5.30E-10	1.70E-10	2.90E-10	2.15E-11	4.82E-10	9.68E-11	1.60E-10	5.31E-12	2.62E-10
5150	741212.27	4111357.42	1.14E-09	2.08E-09	1.14E-10	3.34E-09	1.77E-10	3.41E-10	1.72E-11	5.36E-10	1.72E-10	2.94E-10	2.18E-11	4.88E-10	9.79E-11	1.62E-10	5.37E-12	2.65E-10
5151	741192.72	4111343.92	1.16E-09	2.12E-09	1.16E-10	3.40E-09	1.80E-10	3.47E-10	1.75E-11	5.45E-10	1.75E-10	2.99E-10	2.22E-11	4.96E-10	9.96E-11	1.65E-10	5.46E-12	2.70E-10
5152	741173.17	4111330.42	1.19E-09	2.16E-09	1.19E-10	3.47E-09	1.84E-10	3.55E-10	1.78E-11	5.57E-10	1.79E-10	3.05E-10	2.26E-11	5.07E-10	1.02E-10	1.68E-10	5.58E-12	2.76E-10
5153	741153.63	4111316.92	1.22E-09	2.22E-09	1.22E-10	3.56E-09	1.89E-10	3.64E-10	1.83E-11	5.71E-10	1.84E-10	3.13E-10	2.32E-11	5.20E-10	1.04E-10	1.73E-10	5.72E-12	2.83E-10
5154	741134.08	4111303.42	1.25E-09	2.28E-09	1.25E-10	3.66E-09	1.94E-10	3.74E-10	1.88E-11	5.86E-10	1.89E-10	3.22E-10	2.38E-11	5.34E-10	1.07E-10	1.77E-10	5.88E-12	2.90E-10
5155	741114.53	4111289.91	1.28E-09	2.34E-09	1.29E-10	3.75E-09	1.99E-10	3.84E-10	1.93E-11	6.02E-10	1.94E-10	3.30E-10	2.45E-11	5.48E-10	1.10E-10	1.82E-10	6.04E-12	2.98E-10
5156	741094.99	4111276.41	1.32E-09	2.40E-09	1.32E-10	3.85E-09	2.04E-10	3.93E-10	1.98E-11	6.17E-10	1.99E-10	3.39E-10	2.51E-11	5.62E-10	1.13E-10	1.87E-10	6.19E-12	3.06E-10
5157	741075.44	4111262.91	1.35E-09	2.45E-09	1.35E-10	3.94E-09	2.09E-10	4.02E-10	2.02E-11	6.31E-10	2.03E-10	3.46E-10	2.57E-11	5.75E-10	1.15E-10	1.91E-10	6.33E-12	3.13E-10
5158	741055.9	4111249.41	1.37E-09	2.50E-09	1.37E-10	4.01E-09	2.13E-10	4.10E-10	2.06E-11	6.44E-10	2.07E-10	3.53E-10	2.62E-11	5.86E-10	1.18E-10	1.95E-10	6.45E-12	3.19E-10
5159	741036.35	4111235.91	1.39E-09	2.54E-09	1.40E-10	4.08E-09	2.16E-10	4.17E-10	2.09E-11	6.54E-10	2.10E-10	3.59E-10	2.66E-11	5.95E-10	1.20E-10	1.98E-10	6.55E-12	3.24E-10
5160	741016.8	4111222.41	1.41E-09	2.58E-09	1.42E-10	4.13E-09	2.19E-10	4.23E-10	2.12E-11	6.63E-10	2.13E-10	3.64E-10	2.70E-11	6.04E-10	1.21E-10	2.01E-10	6.65E-12	3.28E-10
5161	740997.26	4111208.91	1.43E-09	2.61E-09	1.43E-10	4.19E-09	2.22E-10	4.28E-10	2.15E-11	6.72E-10	2.16E-10	3.69E-10	2.73E-11	6.12E-10	1.23E-10	2.03E-10	6.74E-12	3.33E-10
5162	740977.71	4111195.41	1.45E-09	2.65E-09	1.45E-10	4.25E-09	2.25E-10	4.34E-10	2.18E-11	6.81E-10	2.19E-10	3.74E-10	2.77E-11	6.20E-10	1.25E-10	2.06E-10	6.83E-12	3.37E-10
5163	740958.16	4111181.91	1.48E-09	2.69E-09	1.48E-10	4.31E-09	2.29E-10	4.41E-10	2.21E-11	6.92E-10	2.23E-10	3.79E-10	2.81E-11	6.30E-10	1.26E-10	2.09E-10	6.93E-12	3.43E-10
5164	740938.62	4111168.41	1.50E-09	2.74E-09	1.50E-10	4.39E-09	2.33E-10	4.48E-10	2.25E-11	7.04E-10	2.26E-10	3.86E-10	2.86E-11	6.41E-10	1.29E-10	2.13E-10	7.05E-12	3.49E-10
5165	740919.07	4111154.91	1.53E-09	2.79E-09	1.53E-10	4.47E-09	2.37E-10	4.57E-10	2.30E-11	7.18E-10	2.31E-10	3.94E-10	2.92E-11	6.54E-10	1.31E-10	2.17E-10	7.20E-12	3.55E-10
5166	740899.53	4111141.4	1.57E-09	2.85E-09	1.57E-10	4.58E-09	2.43E-10	4.68E-10	2.35E-11	7.34E-10	2.36E-10	4.03E-10	2.99E-11	6.69E-10	1.34E-10	2.22E-10	7.36E-12	3.64E-10
5167	740879.98	4111127.9	1.61E-09	2.93E-09	1.61E-10	4.69E-09	2.49E-10	4.80E-10	2.41E-11	7.53E-10	2.42E-10	4.13E-10	3.06E-11	6.85E-10	1.38E-10	2.28E-10	7.55E-12	3.73E-10
5168	740860.43	4111114.4	1.65E-09	3.00E-09	1.65E-10	4.81E-09	2.55E-10	4.92E-10	2.47E-11	7.72E-10	2.48E-10	4.23E-10	3.14E-11	7.03E-10	1.41E-10	2.34E-10	7.74E-12	3.82E-10
5169	740840.89	4111100.9	1.69E-09	3.08E-09	1.69E-10	4.94E-09	2.62E-10	5.05E-10	2.54E-11	7.92E-10	2.55E-10	4.34E-10	3.22E-11	7.21E-10	1.45E-10	2.39E-10	7.94E-12	3.92E-10
5170	740821.34	4111087.4	1.73E-09	3.15E-09	1.73E-10	5.05E-09	2.68E-10	5.17E-10	2.60E-11	8.11E-10	2.61E-10	4.45E-10	3.30E-11	7.38E-10	1.48E-10	2.45E-10	8.13E-12	4.02E-10
5171	740801.79	4111073.9	1.77E-09	3.22E-09	1.77E-10	5.16E-09	2.74E-10	5.28E-10	2.65E-11	8.28E-10	2.66E-10	4.54E-10	3.37E-11	7.54E-10	1.51E-10	2.50E-10	8.30E-12	4.10E-10
5172	740782.25	4111060.4	1.80E-09	3.28E-09	1.80E-10	5.26E-09	2.79E-10	5.37E-10	2.70E-11	8.43E-10	2.71E-10	4.62E-10	3.43E-11	7.68E-10	1.54E-10	2.55E-10	8.45E-12	4.18E-10
5173	740762.7	4111046.9	1.83E-09	3.33E-09	1.83E-10	5.34E-09	2.83E-10	5.45E-10	2.74E-11	8.56E-10	2.75E-10	4.69E-10	3.48E-11	7.79E-10	1.56E-10	2.59E-10	8.58E-12	4.24E-10
5174	740743.15	4111033.4	1.85E-09	3.37E-09	1.85E-10	5.40E-09	2.86E-10	5.52E-10	2.77E-11	8.66E-10	2.79E-10	4.75E-10	3.52E-11	7.89E-10	1.58E-10	2.62E-10	8.68E-12	4.29E-10
5175	740723.61	4111019.9	1.86E-09	3.39E-09	1.86E-10	5.44E-09	2.89E-10	5.56E-10	2.79E-11	8.73E-10	2.81E-10	4.79E-10	3.55E-11	7.95E-10	1.60E-10	2.64E-10	8.75E-12	4.32E-10
5176	740704.06	4111006.4	1.87E-09	3.41E-09	1.87E-10	5.46E-09	2.90E-10	5.58E-10	2.80E-11	8.76E-10	2.82E-10	4.80E-10	3.56E-11	7.98E-10	1.60E-10	2.65E-10	8.78E-12	4.34E-10
5177	740684.52	4110992.9	1.87E-09	3.41E-09	1.87E-10	5.46E-09	2.90E-10	5.59E-10	2.81E-11	8.77E-10	2.82E-10	4.81E-10	3.56E-11	7.98E-10	1.60E-10	2.65E-10	8.79E-12	4.34E-10
5178	742765.27	4111418.27	5.24E-10	9.55E-10	5.24E-11	1.53E-09	8.13E-11	1.57E-10	7.86E-12	2.46E-10	7.90E-11	1.35E-10	9.99E-12	2.24E-10	4.49E-11	7.43E-11	2.46E-12	1.22E-10
5179	742785.38	4111404.78	5.20E-10	9.48E-10	5.21E-11	1.52E-09	8.07E-11	1.55E-10	7.81E-12	2.44E-10	7.85E-11	1.34E-10	9.92E-12	2.22E-10	4.46E-11	7.38E-11	2.45E-12	1.21E-10
5180	742805.49	4111391.29	5.17E-10	9.41E-10	5.17E-11	1.51E-09	8.01E-11	1.54E-10	7.75E-12	2.42E-10	7.79E-11	1.33E-10	9.84E-12	2.21E-10	4.43E-11	7.32E-11	2.43E-12	1.20E-10

5181	742825.6	4111377.79	5.13E-10	9.34E-10	5.13E-11	1.50E-09	7.95E-11	1.53E-10	7.70E-12	2.40E-10	7.73E-11	1.32E-10	9.77E-12	2.19E-10	4.39E-11	7.27E-11	2.41E-12	1.19E-10
5182	742845.71	4111364.3	5.10E-10	9.30E-10	5.10E-11	1.49E-09	7.91E-11	1.52E-10	7.66E-12	2.39E-10	7.69E-11	1.31E-10	9.72E-12	2.18E-10	4.37E-11	7.23E-11	2.40E-12	1.18E-10
5183	742865.82	4111350.81	5.09E-10	9.27E-10	5.09E-11	1.49E-09	7.89E-11	1.52E-10	7.64E-12	2.39E-10	7.67E-11	1.31E-10	9.70E-12	2.17E-10	4.36E-11	7.22E-11	2.39E-12	1.18E-10
5184	742885.93	4111337.32	5.10E-10	9.30E-10	5.10E-11	1.49E-09	7.91E-11	1.52E-10	7.66E-12	2.39E-10	7.69E-11	1.31E-10	9.72E-12	2.18E-10	4.37E-11	7.23E-11	2.40E-12	1.18E-10
5185	742906.04	4111323.83	5.15E-10	9.38E-10	5.15E-11	1.50E-09	7.98E-11	1.54E-10	7.72E-12	2.41E-10	7.76E-11	1.32E-10	9.81E-12	2.20E-10	4.41E-11	7.30E-11	2.42E-12	1.19E-10
5186	742926.15	4111310.33	5.23E-10	9.53E-10	5.23E-11	1.53E-09	8.11E-11	1.56E-10	7.85E-12	2.45E-10	7.89E-11	1.34E-10	9.97E-12	2.23E-10	4.48E-11	7.42E-11	2.46E-12	1.21E-10
5187	742946.26	4111296.84	5.36E-10	9.76E-10	5.36E-11	1.57E-09	8.31E-11	1.60E-10	8.04E-12	2.51E-10	8.08E-11	1.38E-10	1.02E-11	2.29E-10	4.59E-11	7.60E-11	2.52E-12	1.24E-10
5188	742966.37	4111283.35	5.52E-10	1.01E-09	5.52E-11	1.61E-09	8.56E-11	1.65E-10	8.29E-12	2.59E-10	8.32E-11	1.42E-10	1.05E-11	2.36E-10	4.73E-11	7.83E-11	2.59E-12	1.28E-10
5189	742986.48	4111269.86	5.71E-10	1.04E-09	5.72E-11	1.67E-09	8.86E-11	1.71E-10	8.58E-12	2.68E-10	8.62E-11	1.47E-10	1.09E-11	2.44E-10	4.90E-11	8.10E-11	2.69E-12	1.33E-10
5190	743006.59	4111256.36	5.93E-10	1.08E-09	5.93E-11	1.73E-09	9.19E-11	1.77E-10	8.90E-12	2.78E-10	8.94E-11	1.52E-10	1.13E-11	2.53E-10	5.08E-11	8.41E-11	2.79E-12	1.38E-10
5191	743026.7	4111242.87	6.15E-10	1.12E-09	6.16E-11	1.80E-09	9.54E-11	1.84E-10	9.23E-12	2.88E-10	9.28E-11	1.58E-10	1.17E-11	2.63E-10	5.27E-11	8.72E-11	2.89E-12	1.43E-10
5192	742964.4	4111755.06	3.83E-10	6.97E-10	3.83E-11	1.12E-09	5.94E-11	1.14E-10	5.74E-12	1.79E-10	5.77E-11	9.84E-11	7.29E-12	1.63E-10	3.28E-11	5.43E-11	1.80E-12	8.89E-11
5193	742940.68	4111759.68	3.87E-10	7.05E-10	3.87E-11	1.13E-09	6.00E-11	1.16E-10	5.81E-12	1.81E-10	5.83E-11	9.94E-11	7.37E-12	1.65E-10	3.31E-11	5.48E-11	1.82E-12	8.98E-11
5194	742916.95	4111764.31	3.90E-10	7.11E-10	3.90E-11	1.14E-09	6.05E-11	1.16E-10	5.85E-12	1.83E-10	5.88E-11	1.00E-10	7.43E-12	1.66E-10	3.34E-11	5.53E-11	1.83E-12	9.05E-11
5195	742893.23	4111768.93	3.93E-10	7.15E-10	3.93E-11	1.15E-09	6.09E-11	1.17E-10	5.89E-12	1.84E-10	5.92E-11	1.01E-10	7.48E-12	1.68E-10	3.36E-11	5.57E-11	1.84E-12	9.11E-11
5196	742869.5	4111773.56	3.95E-10	7.19E-10	3.95E-11	1.15E-09	6.12E-11	1.18E-10	5.92E-12	1.85E-10	5.95E-11	1.01E-10	7.52E-12	1.68E-10	3.38E-11	5.59E-11	1.85E-12	9.16E-11
5197	742845.78	4111778.18	3.96E-10	7.22E-10	3.96E-11	1.16E-09	6.15E-11	1.18E-10	5.95E-12	1.86E-10	5.98E-11	1.02E-10	7.55E-12	1.69E-10	3.40E-11	5.62E-11	1.86E-12	9.20E-11
5198	742822.05	4111782.8	3.98E-10	7.25E-10	3.98E-11	1.16E-09	6.17E-11	1.19E-10	5.97E-12	1.87E-10	6.00E-11	1.02E-10	7.58E-12	1.70E-10	3.41E-11	5.64E-11	1.87E-12	9.24E-11
5199	742798.33	4111787.43	4.00E-10	7.28E-10	4.00E-11	1.17E-09	6.20E-11	1.19E-10	6.00E-12	1.87E-10	6.03E-11	1.03E-10	7.61E-12	1.71E-10	3.42E-11	5.67E-11	1.88E-12	9.28E-11
5200	742774.61	4111792.05	4.02E-10	7.32E-10	4.02E-11	1.17E-09	6.23E-11	1.20E-10	6.03E-12	1.88E-10	6.06E-11	1.03E-10	7.66E-12	1.72E-10	3.44E-11	5.70E-11	1.89E-12	9.33E-11
5201	742750.88	4111796.67	4.05E-10	7.38E-10	4.05E-11	1.18E-09	6.28E-11	1.21E-10	6.08E-12	1.90E-10	6.11E-11	1.04E-10	7.72E-12	1.73E-10	3.47E-11	5.74E-11	1.90E-12	9.40E-11
5202	742727.16	4111801.3	4.09E-10	7.46E-10	4.10E-11	1.20E-09	6.35E-11	1.22E-10	6.14E-12	1.92E-10	6.17E-11	1.05E-10	7.80E-12	1.75E-10	3.51E-11	5.80E-11	1.92E-12	9.50E-11
5203	742703.43	4111805.92	4.15E-10	7.56E-10	4.15E-11	1.21E-09	6.44E-11	1.24E-10	6.23E-12	1.95E-10	6.26E-11	1.07E-10	7.91E-12	1.77E-10	3.56E-11	5.89E-11	1.95E-12	9.64E-11
5204	742679.71	4111810.54	4.22E-10	7.69E-10	4.22E-11	1.23E-09	6.54E-11	1.26E-10	6.33E-12	1.98E-10	6.36E-11	1.08E-10	8.04E-12	1.80E-10	3.62E-11	5.98E-11	1.98E-12	9.80E-11
5205	742655.98	4111815.17	4.30E-10	7.84E-10	4.31E-11	1.26E-09	6.67E-11	1.29E-10	6.46E-12	2.02E-10	6.49E-11	1.11E-10	8.20E-12	1.84E-10	3.69E-11	6.10E-11	2.02E-12	9.99E-11
5206	742632.26	4111819.79	4.40E-10	8.02E-10	4.40E-11	1.29E-09	6.83E-11	1.31E-10	6.61E-12	2.06E-10	6.64E-11	1.13E-10	8.39E-12	1.88E-10	3.77E-11	6.24E-11	2.07E-12	1.02E-10
5207	742608.53	4111824.42	4.51E-10	8.22E-10	4.51E-11	1.32E-09	7.00E-11	1.35E-10	6.77E-12	2.11E-10	6.80E-11	1.16E-10	8.60E-12	1.93E-10	3.87E-11	6.40E-11	2.12E-12	1.05E-10
5208	742584.81	4111829.04	4.63E-10	8.44E-10	4.63E-11	1.35E-09	7.18E-11	1.38E-10	6.95E-12	2.17E-10	6.98E-11	1.19E-10	8.82E-12	1.98E-10	3.97E-11	6.56E-11	2.18E-12	1.07E-10
5209	742561.08	4111833.66	4.76E-10	8.67E-10	4.76E-11	1.39E-09	7.38E-11	1.42E-10	7.14E-12	2.23E-10	7.17E-11	1.22E-10	9.06E-12	2.03E-10	4.08E-11	6.74E-11	2.24E-12	1.10E-10
5210	742537.36	4111838.29	4.89E-10	8.91E-10	4.89E-11	1.43E-09	7.58E-11	1.46E-10	7.34E-12	2.29E-10	7.37E-11	1.26E-10	9.32E-12	2.09E-10	4.19E-11	6.93E-11	2.30E-12	1.14E-10
5211	742513.63	4111842.91	5.03E-10	9.16E-10	5.03E-11	1.47E-09	7.80E-11	1.50E-10	7.54E-12	2.36E-10	7.58E-11	1.29E-10	9.58E-12	2.15E-10	4.31E-11	7.13E-11	2.36E-12	1.17E-10
5212	742489.91	4111847.53	5.16E-10	9.41E-10	5.17E-11	1.51E-09	8.01E-11	1.54E-10	7.75E-12	2.42E-10	7.79E-11	1.33E-10	9.84E-12	2.20E-10	4.42E-11	7.32E-11	2.43E-12	1.20E-10
5213	742466.18	4111852.16	5.30E-10	9.66E-10	5.30E-11	1.55E-09	8.22E-11	1.58E-10	7.96E-12	2.49E-10	7.99E-11	1.36E-10	1.01E-11	2.26E-10	4.54E-11	7.52E-11	2.49E-12	1.23E-10
5214	742442.46	4111856.78	5.43E-10	9.90E-10	5.44E-11	1.59E-09	8.43E-11	1.62E-10	8.16E-12	2.55E-10	8.19E-11	1.40E-10	1.04E-11	2.32E-10	4.66E-11	7.70E-11	2.55E-12	1.26E-10
5215	742418.73	4111861.41	5.56E-10	1.01E-09	5.56E-11	1.62E-09	8.62E-11	1.66E-10	8.34E-12	2.61E-10	8.38E-11	1.43E-10	1.06E-11	2.37E-10	4.76E-11	7.88E-11	2.61E-12	1.29E-10
5216	742395.01	4111866.03	5.67E-10	1.03E-09	5.67E-11	1.66E-09	8.79E-11	1.69E-10	8.51E-12	2.66E-10	8.55E-11	1.46E-10	1.08E-11	2.42E-10	4.86E-11	8.04E-11	2.66E-12	1.32E-10
5217	742371.29	4111870.65	5.77E-10	1.05E-09	5.77E-11	1.69E-09	8.95E-11	1.72E-10	8.66E-12	2.71E-10	8.70E-11	1.48E-10	1.10E-11	2.46E-10	4.94E-11	8.18E-11	2.71E-12	1.34E-10
5218	742347.56	4111875.28	5.86E-10	1.07E-09	5.86E-11	1.71E-09	9.08E-11	1.75E-10	8.79E-12	2.75E-10	8.83E-11	1.51E-10	1.12E-11	2.50E-10	5.02E-11	8.30E-11	2.75E-12	1.36E-10
5219	742323.84	4111879.9	5.92E-10	1.08E-09	5.93E-11	1.73E-09	9.19E-11	1.77E-10	8.89E-12	2.78E-10	8.93E-11	1.52E-10	1.13E-11	2.53E-10	5.08E-11	8.40E-11	2.78E-12	1.38E-10
5220	742300.11	4111884.52	5.98E-10	1.09E-09	5.98E-11	1.75E-09	9.27E-11	1.79E-10	8.97E-12	2.80E-10	9.01E-11	1.54E-10	1.14E-11	2.55E-10	5.12E-11	8.48E-11	2.81E-12	1.39E-10
5221	742276.39	4111889.15	6.02E-10	1.10E-09	6.02E-11	1.76E-09	9.33E-11	1.80E-10	9.03E-12	2.82E-10	9.07E-11	1.55E-10	1.15E-11	2.57E-10	5.16E-11	8.53E-11	2.83E-12	1.40E-10
5222	742252.66	4111893.77	6.04E-10	1.10E-09	6.05E-11	1.77E-09	9.37E-11	1.81E-10	9.07E-12	2.83E-10	9.11E-11	1.55E-10	1.15E-11	2.58E-10	5.18E-11	8.57E-11	2.84E-12	1.40E-10
5223	742228.94	4111898.39	6.06E-10	1.10E-09	6.07E-11	1.77E-09	9.40E-11	1.81E-10	9.10E-12	2.84E-10	9.14E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.60E-11	2.85E-12	1.41E-10
5224	742205.21	4111903.02	6.08E-10	1.11E-09	6.08E-11	1.78E-09	9.42E-11	1.82E-10	9.12E-12	2.85E-10	9.16E-11	1.56E-10	1.16E-11	2.59E-10	5.21E-11	8.62E-11	2.86E-12	1.41E-10
5225	742181.49	4111907.64	6.09E-10	1.11E-09	6.09E-11	1.78E-09	9.45E-11	1.82E-10	9.14E-12	2.86E-10	9.19E-11	1.57E-10	1.16E-11	2.60E-10	5.22E-11	8.64E-11	2.86E-12	1.41E-10
5226	742157.76	4111912.27	6.11E-10	1.11E-09	6.12E-11	1.79E-09	9.48E-11	1.83E-10	9.17E-12	2.87E-10	9.22E-11	1.57E-10	1.16E-11	2.61E-10	5.24E-11	8.67E-11	2.87E-12	1.42E-10
5227	742134.04	4111916.89	6.14E-10	1.12E-09	6.14E-11	1.79E-09	9.52E-11	1.83E-10	9.21E-12	2.88E-10	9.26E-11	1.58E-10	1.17E-11	2.62E-10	5.26E-11	8.70E-11	2.88E-12	1.43E-10
5228	742110.31	4111921.51	6.17E-10	1.13E-09	6.18E-11	1.80E-09	9.58E-11	1.84E-10	9.27E-12	2.90E-10	9.31E-11	1.59E-10	1.18E-11	2.64E-10	5.29E-11	8.76E-11	2.90E-12	1.43E-10
5229	742086.59	4111926.14	6.22E-10	1.13E-09	6.23E-11	1.82E-09	9.65E-11	1.86E-10	9.34E-12	2.92E-10	9.38E-11	1.60E-10	1.19E-11	2.66E-10	5.33E-11	8.82E-11	2.92E-12	1.44E-10
5230	742062.86	4111930.76	6.28E-10	1.14E-09	6.28E-11	1.84E-09	9.74E-11	1.88E-10	9.43E-12	2.94E-10	9.47E-11	1.61E-10	1.20E-11	2.68E-10	5.38E-11	8.91E-11	2.95E-12	1.46E-10
5231	742039.14	4111935.38	6.35E-10	1.16E-09	6.35E-11	1.86E-09	9.85E-11	1.90E-10	9.53E-12	2.98E-10	9.58E-11	1.63E-10	1.21E-11	2.71E-10	5.44E-11	9.00E-11	2.98E-12	1.47E-10
5232	742015.41	4111940.01	6.43E-10	1.17E-09	6.43E-11	1.88E-09	9.97E-11	1.92E-10	9.65E-12	3.01E-10	9.70E-11	1.65E-10	1.23E-11	2.74E-10	5.51E-11	9.12E-11	3.02E-12	1.49E-10
5233	741991.69	4111944.63	6.52E-10	1.19E-09	6.52E-11	1.90E-09	1.01E-10	1.95E-10	9.78E-12	3.06E-10	9.83E-11	1.68E-10	1.24E-11	2.78E-10	5.58E-11	9.24E-11	3.06E-12	1.51E-10
5234	741967.97	4111949.25	6.61E-10	1.20E-09	6.62E-11	1.93E-09	1.03E-10	1.98E-10	9.92E-12	3.10E-10	9.97E-11	1.70E-10	1.26E-11	2.82E-10	5.67E-11	9.38E-11	3.11E-12	1.54E-10
5235	741944.24	4111953.88	6.71E-10	1.22E-09	6.71E-11	1.96E-09	1.04E-10	2.00E-10	1.01E-11	3.15E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.75E-11	9.51E-11	3.15E-12	1.56E-10
5236	741920.52	4111958.5	6.81E-10	1.24E-09	6.81E-11	1.99E-09	1.06E-10	2.03E-10	1.02E-11	3.19E-10	1.03E-10	1.75E-10	1.30E-11	2.91E-10	5.83E-11	9.65E-11	3.20E-12	1.58E-10
5237	741896.79	4111963.13	6.90E-10	1.26E-09	6.90E-11	2.02E-09	1.07E-10	2.06E-10	1.04E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.95E-10	5.91E-11	9.78E-11	3.24E-12	1.60E-10
5238	741873.07	4111967.75	6.99E-10	1.27E-09	6.99E-11	2.04E-09	1.08E-10	2.09E-10	1.05E-11	3.28E-10	1.05E-10	1.80E-10	1.33E-11	2.98E-10	5.99E-11	9.91E-11	3.28E-12	1.62E-10
5239	741849.34	4111972.37	7.07E-10	1.29E-09	7.08E-11	2.07E-09	1.10E-10	2.11E-10	1.06E-11	3.32E-10	1.07E-10	1.82E-10	1.35E-11	3.02E-10	6.06E-11	1.00E-10	3.32E-12	1.64E-10
5240	741825.62	4111977	7.15E-10	1.30E-09	7.15E-11	2.09E-09	1.11E-10	2.14E-10	1.07E-11	3.35E-10	1.08E-10	1.84E-10	1.36E-11	3.05E-10	6.12E-11	1.01E-10	3.36E-12	1.66E-10
5241	741801.89	4111981.62	7.21E-10	1.31E-09	7.22E-11	2.11E-09	1.12E-10	2.15E-10	1.08E-11	3.38E-10	1.09E-10	1.85E-10	1.37E-11	3.08E-10	6.18E-11	1.02E-10	3.39E-12	1.67E-10
5242	741778.17	4111986.24	7.27E-10	1.32E-09	7.28E-11	2.12E-09	1.13E-10	2.17E-10	1.09E-11	3.41E-10	1.10E-10	1.87E-10	1.39E-11	3.10E-10	6.23E-11	1.03E-10	3.42E-12	1.69E-10
5243	741754.44	4111990.87	7.32E-10	1.33E-09	7.33E-11	2.14E-09	1.14E-10	2.19E-10	1.10E-11	3.43E-10	1.10E-10	1.88E-10	1.40E-11	3.13E-10	6.27E-11	1.04E-10	3.44E-12	1.70E-10
5244	741730.72	4111995.49	7.37E-10	1.34E-09	7.37E-11	2.15E-09	1.14E-10	2.20E-10	1.11E-11	3.45E-10	1.11E-10	1.89E-10	1.40E-11	3.14E-10	6.31E-11	1.04E-10	3.46E-12	1.71E-10
5245	741706.99	4112000.11	7.41E-10	1.35E-09	7.41E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.47E-10	1.12E-10	1.90E-10	1.41E-11	3.16E-10	6.35E-11	1.05E-10	3.48E-12	1.72E-10
5246	741683.27	4112004.74	7.45E-10	1.36E-09	7.45E-11	2.18E-09	1.15E-10	2.22E-10	1.12E-11	3.49E-10	1.12E-10	1.91E-10	1.42E-11	3.18E-10	6.38E-11	1.06E-10	3.50E-12	1.73E-10
5247	741659.54	4112009.36	7.47E-10	1.36E-09	7.48E-11	2.18E-09	1.16E-10	2.23E-10	1.12E-11	3.50E-10	1.13E-10	1.92E-10	1.42E-11	3.19E-10	6.40E-11	1.06E-10	3.51E-12	1.74E-10
5248	741635.82	4112013.99	7.49E-10	1.37E-09	7.50E-11	2.19E-09	1.16E-10	2.24E-10	1.12E-11	3.51E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.42E-11	1.06E-10	3.52E-12	1.74E-10
5249	741612.1	4112018.61	7.50E-10	1.37E-09	7.51E-11	2.19E-09	1.16E-10	2.24E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.43E-11	1.06E-10	3.53E-12	1.74E-10
5250	741588.37	4112023.23	7.50E-10	1.37E-09	7.51E-11	2.19E-09	1.16E-10	2.24E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.43E-11	1.06E-10	3.53E-12	1.74E-10
5251	741564.65	4112027.86	7.50E-10	1.37E-09	7.51E-11	2.19E-09	1.16E-10	2.24E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.20E-10	6.43E-11	1.06E-10	3.53E-12	1.74E-10
5252	741521.03	4112018.74	7.58E-10	1.38E-09	7.58E-11	2.21E-09	1.18E-10	2.26E-10	1.14E-11	3.55E-10	1.14E-10	1.95E-10	1.44E-11	3.24E-10	6.49E-11	1.07E-10	3.56E-12	1.76E-10
5253	741501.14	4112005.01	7.66E-10	1.40E-09	7.66E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.59E-10	1.15E-10	1.97E-10	1.46E-11	3.27E-10	6.56E-11	1.09E-10	3.60E-12	1.78E-10
5254	741481.26	4111991.27	7.73E-10	1.41E-09	7.74E-11	2.26E-09	1.20E-10	2.31E-10	1.16E-11	3.62E-10	1.17E-10	1.99E-10	1.47E-11	3.30E-10	6.62E-11	1.10E-10	3.63E-12	1.80E-10
5255	741461.37	4111977.53	7.80E-10	1.42E-09	7.81E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.66E-10	1.18E-10	2.01E-10	1.49E-11	3.33E-10	6.69E-11	1.11E-10	3.67E-12	1.81E-10
5256	741441.48	4111963.8	7.88E-10	1.44E-09	7.88E-11	2.30E-09	1.22E-10	2.35E-10	1.18E-11	3.69E-10	1.19E-10	2.02E-10	1.50E-11	3.36E-10	6.75E-11	1.12E-10	3.70E-12	1.83E-10
5257	741421.59	4111950.06	7.95E-10	1.45E-09	7.95E-11	2.32E-09	1.23E-10	2.37E-10	1.19E-11	3.73E-10	1.20E-10	2.04E-10	1.51E-11	3.39E-10	6.81E-11	1.13E-10	3.74E-12	1.85E-10
5258	741401.7	4111936.32	8.02E-10	1.46E-09	8.03E-11	2.34E-09	1.24E-10	2.40E-10	1.20E-11	3.76E-10	1.21E-10	2.06E-10	1.53E-11	3.43E-10	6.88E-11	1.14E-10	3.77E-12	1.86E-10
5259	741381.82	4111922.58	8.10E-10	1.48E-09	8.11E-11	2.37E-09	1.26E-10	2.42E-10	1.22E-11	3.80E-10	1.22E-10	2.08E-10	1.54E-11	3.46E-10	6.94E-11	1.15E-10	3.81E-12	1.88E-10
5260	741361.93	4111908.85	8.18E-10	1.49E-09	8.18E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.01E-11	1.16E-10	3.84E-12	1.90E-10
5261	741342.04	4111895.11	8.25E-10	1.50E-09	8.25E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.87E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.07E-11	1.17E-10	3.88E-12	1.92E-10
5262	741322.15	4111881.37	8.31E-10	1.51E-09	8.32E-11	2.43E-09	1.29E-10	2.48E-10	1.25E-11	3.90E-10	1.25E-10	2.14E-10	1.58E-11	3.55E-10	7.12E-11	1.18E-10	3.91E-12	1.93E-10
5263	741302.26	4111867.64	8.37E-10	1.52E-09	8.37E-11	2.45E-09	1.30E-10	2.50E-10	1.26E-11	3.92E-10	1.26E-10	2.15E-10	1.59E-11	3.57E-10	7.17E-11	1.19E-10	3.93E-12	1.94E-10
5264	741282.38	4111853.9	8.40E-10	1.53E-09	8.41E-11	2.46E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.20E-11	1.19E-10	3.95E-12	1.95E-10
5265	741262.49	4111840.16	8.42E-10	1.53E-09	8.43E-11	2.46E-09	1.31E-10	2.52E-10	1.26E-11	3.95E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.22E-11	1.19E-10	3.96E-12	1.95E-10
5266	741242.6	4111826.43	8.42E-10	1.53E-09	8.43E-11	2.46E-09	1.31E-10	2.52E-10	1.26E-11	3.95E-10	1.27E-10	2.16E-10	1.60E-11	3.60E-10	7.22E-11	1.19E-10	3.96E-12	1.96E-10
5267	741222.71	4111812.69	8.40E-10	1.53E-09	8.41E-11	2.46E-09	1.30E-10	2.51E-10	1.26E-11	3.94E-10	1.27E-10	2.16E-10	1.60E-11	3.59E-10	7.20E-11	1.19E-10	3.95E-12	1.95E-10
5268	741202.82	4111798.95	8.37E-10	1.52E-09	8.37E-11	2.45E-09	1.30E-10	2.50E-10	1.26E-11	3.92E-10	1.26E-10	2.15E-10	1.59E-11	3.57E-10	7.17E-11	1.19E-10	3.93E-12	1.94E-10
5269	741182.94	4111785.21	8.32E-10	1.52E-09	8.32E-11	2.43E-09	1.29E-10	2.48E-10	1.25E-11	3.90E-10	1.25E-10	2.14E-10	1.58E-11	3.55E-10	7.13E-11	1.18E-10	3.91E-12	1.93E-10
5270	741163.05	4111771.48	8.25E-10	1.50E-09	8.26E-11	2.41E-09	1.28E-10	2.47E-10	1.24E-11	3.87E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.07E-11	1.17E-10	3.88E-12	1.92E-10
5271	741143.16	4111757.74	8.18E-10	1.49E-09	8.19E-11	2.39E-09	1.27E-10	2.45E-10	1.23E-11	3.84E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.01E-11	1.16E-10	3.85E-12	1.90E-10
5272	741123.27	4111744	8.12E-10	1.48E-09	8.12E-11	2.37E-09	1.26E-10	2.43E-10	1.22E-11	3.81E-10	1.22E-10	2.09E-10	1.55E-11	3.47E-10	6.96E-11	1.15E-10	3.82E-12	1.89E-10
5273	741103.38	4111730.27	8.06E-10	1.47E-09	8.07E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.91E-11	1.14E-10	3.79E-12	1.87E-10
5274	741083.5	4111716.53	8.04E-10	1.46E-09	8.04E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.77E-10	1.21E-10	2.07E-10	1.53E-11	3.43E-10	6.89E-11	1.14E-10	3.78E-12	1.87E-10
5275	741063.61	4111702.79	8.04E-10	1.47E-09	8.05E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.77E-10	1.21E-10	2.07E-10	1.53E-11	3.43E-10	6.89E-11	1.14E-10	3.78E-12	1.87E-10
5276	741043.72	4111689.06	8.08E-10	1.47E-09	8.09E-11	2.36E-09	1.25E-10	2.42E-10	1.21E-11	3.79E-10	1.22E-10	2.08E-10	1.54E-11	3.45E-10	6.93E-11	1.15E-10	3.80E-12	1.88E-10

5277	741023.83	4111675.32	8.17E-10	1.49E-09	8.17E-11	2.39E-09	1.27E-10	2.44E-10	1.23E-11	3.83E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.00E-11	1.16E-10	3.84E-12	1.90E-10
5278	741003.94	4111661.58	8.30E-10	1.51E-09	8.31E-11	2.43E-09	1.29E-10	2.48E-10	1.25E-11	3.89E-10	1.25E-10	2.13E-10	1.58E-11	3.54E-10	7.11E-11	1.18E-10	3.90E-12	1.93E-10
5279	740984.05	4111647.85	8.47E-10	1.54E-09	8.48E-11	2.48E-09	1.31E-10	2.53E-10	1.27E-11	3.97E-10	1.28E-10	2.18E-10	1.61E-11	3.62E-10	7.26E-11	1.20E-10	3.98E-12	1.97E-10
5280	740964.17	4111634.11	8.68E-10	1.58E-09	8.68E-11	2.54E-09	1.35E-10	2.59E-10	1.30E-11	4.07E-10	1.31E-10	2.23E-10	1.65E-11	3.70E-10	7.44E-11	1.23E-10	4.08E-12	2.01E-10
5281	740944.28	4111620.37	8.91E-10	1.62E-09	8.91E-11	2.60E-09	1.38E-10	2.66E-10	1.34E-11	4.18E-10	1.34E-10	2.29E-10	1.70E-11	3.80E-10	7.63E-11	1.26E-10	4.19E-12	2.07E-10
5282	740924.39	4111606.63	9.15E-10	1.67E-09	9.16E-11	2.67E-09	1.42E-10	2.73E-10	1.37E-11	4.29E-10	1.38E-10	2.35E-10	1.74E-11	3.91E-10	7.84E-11	1.30E-10	4.30E-12	2.12E-10
5283	740904.5	4111592.9	9.39E-10	1.71E-09	9.40E-11	2.74E-09	1.46E-10	2.81E-10	1.41E-11	4.40E-10	1.42E-10	2.41E-10	1.79E-11	4.01E-10	8.05E-11	1.33E-10	4.41E-12	2.18E-10
5284	740884.61	4111579.16	9.62E-10	1.75E-09	9.62E-11	2.81E-09	1.49E-10	2.87E-10	1.44E-11	4.51E-10	1.45E-10	2.47E-10	1.83E-11	4.10E-10	8.24E-11	1.36E-10	4.52E-12	2.23E-10
5285	740864.73	4111565.42	9.82E-10	1.79E-09	9.82E-11	2.87E-09	1.52E-10	2.93E-10	1.47E-11	4.60E-10	1.48E-10	2.52E-10	1.87E-11	4.19E-10	8.41E-11	1.39E-10	4.61E-12	2.28E-10
5286	740844.84	4111551.69	9.98E-10	1.82E-09	9.99E-11	2.92E-09	1.55E-10	2.98E-10	1.50E-11	4.68E-10	1.51E-10	2.57E-10	1.90E-11	4.26E-10	8.55E-11	1.42E-10	4.69E-12	2.32E-10
5287	740824.95	4111537.95	1.01E-09	1.84E-09	1.01E-10	2.96E-09	1.57E-10	3.02E-10	1.52E-11	4.74E-10	1.53E-10	2.60E-10	1.93E-11	4.32E-10	8.67E-11	1.43E-10	4.75E-12	2.35E-10
5288	740805.06	4111524.21	1.02E-09	1.86E-09	1.02E-10	2.99E-09	1.59E-10	3.05E-10	1.53E-11	4.79E-10	1.54E-10	2.63E-10	1.95E-11	4.36E-10	8.76E-11	1.45E-10	4.80E-12	2.37E-10
5289	740785.17	4111510.48	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.83E-11	1.46E-10	4.84E-12	2.39E-10
5290	740765.29	4111496.74	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.10E-10	1.56E-11	4.86E-10	1.56E-10	2.67E-10	1.98E-11	4.43E-10	8.89E-11	1.47E-10	4.88E-12	2.41E-10
5291	740745.4	4111483	1.04E-09	1.90E-09	1.05E-10	3.05E-09	1.62E-10	3.12E-10	1.57E-11	4.90E-10	1.58E-10	2.69E-10	1.99E-11	4.46E-10	8.95E-11	1.48E-10	4.91E-12	2.43E-10
5292	740725.51	4111469.27	1.05E-09	1.92E-09	1.05E-10	3.08E-09	1.63E-10	3.15E-10	1.58E-11	4.94E-10	1.59E-10	2.71E-10	2.01E-11	4.49E-10	9.02E-11	1.49E-10	4.95E-12	2.44E-10
5293	740705.62	4111455.53	1.06E-09	1.94E-09	1.06E-10	3.11E-09	1.65E-10	3.18E-10	1.60E-11	4.99E-10	1.60E-10	2.73E-10	2.03E-11	4.54E-10	9.11E-11	1.51E-10	5.00E-12	2.47E-10
5294	740685.73	4111441.79	1.08E-09	1.96E-09	1.08E-10	3.15E-09	1.67E-10	3.22E-10	1.62E-11	5.05E-10	1.62E-10	2.77E-10	2.05E-11	4.60E-10	9.22E-11	1.53E-10	5.06E-12	2.50E-10
5295	740665.85	4111428.05	1.09E-09	1.99E-09	1.09E-10	3.19E-09	1.69E-10	3.27E-10	1.64E-11	5.12E-10	1.65E-10	2.81E-10	2.08E-11	4.67E-10	9.37E-11	1.55E-10	5.14E-12	2.54E-10
5296	740645.96	4111414.32	1.11E-09	2.03E-09	1.11E-10	3.25E-09	1.73E-10	3.33E-10	1.67E-11	5.22E-10	1.68E-10	2.86E-10	2.12E-11	4.75E-10	9.54E-11	1.58E-10	5.23E-12	2.58E-10
5297	740626.07	4111400.58	1.14E-09	2.07E-09	1.14E-10	3.32E-09	1.76E-10	3.40E-10	1.71E-11	5.33E-10	1.71E-10	2.92E-10	2.17E-11	4.85E-10	9.74E-11	1.61E-10	5.34E-12	2.64E-10
5298	740606.18	4111386.84	1.16E-09	2.12E-09	1.16E-10	3.40E-09	1.80E-10	3.47E-10	1.74E-11	5.45E-10	1.75E-10	2.99E-10	2.21E-11	4.96E-10	9.96E-11	1.65E-10	5.46E-12	2.70E-10
5299	740586.29	4111373.11	1.19E-09	2.17E-09	1.19E-10	3.47E-09	1.84E-10	3.55E-10	1.78E-11	5.57E-10	1.79E-10	3.06E-10	2.26E-11	5.07E-10	1.02E-10	1.69E-10	5.59E-12	2.76E-10
5300	740566.41	4111359.37	1.22E-09	2.21E-09	1.22E-10	3.55E-09	1.88E-10	3.63E-10	1.82E-11	5.70E-10	1.83E-10	3.12E-10	2.32E-11	5.19E-10	1.04E-10	1.72E-10	5.71E-12	2.82E-10
5301	740546.52	4111345.63	1.24E-09	2.26E-09	1.24E-10	3.63E-09	1.92E-10	3.71E-10	1.86E-11	5.82E-10	1.87E-10	3.19E-10	2.36E-11	5.30E-10	1.06E-10	1.76E-10	5.83E-12	2.88E-10
5302	740526.63	4111331.9	1.26E-09	2.30E-09	1.27E-10	3.70E-09	1.96E-10	3.78E-10	1.90E-11	5.93E-10	1.91E-10	3.25E-10	2.41E-11	5.40E-10	1.08E-10	1.79E-10	5.94E-12	2.94E-10
5303	740506.74	4111318.16	1.29E-09	2.34E-09	1.29E-10	3.76E-09	2.00E-10	3.84E-10	1.93E-11	6.03E-10	1.94E-10	3.31E-10	2.45E-11	5.49E-10	1.10E-10	1.82E-10	6.05E-12	2.99E-10
5304	740486.85	4111304.42	1.31E-09	2.38E-09	1.31E-10	3.81E-09	2.02E-10	3.90E-10	1.96E-11	6.12E-10	1.97E-10	3.36E-10	2.49E-11	5.57E-10	1.12E-10	1.85E-10	6.14E-12	3.03E-10
5305	740466.96	4111290.68	1.32E-09	2.41E-09	1.32E-10	3.86E-09	2.05E-10	3.94E-10	1.98E-11	6.19E-10	1.99E-10	3.39E-10	2.52E-11	5.64E-10	1.13E-10	1.87E-10	6.21E-12	3.07E-10
5306	740447.08	4111276.95	1.33E-09	2.43E-09	1.33E-10	3.89E-09	2.07E-10	3.98E-10	2.00E-11	6.25E-10	2.01E-10	3.43E-10	2.54E-11	5.69E-10	1.14E-10	1.89E-10	6.26E-12	3.09E-10
5307	740427.19	4111263.21	1.34E-09	2.44E-09	1.34E-10	3.92E-09	2.08E-10	4.01E-10	2.01E-11	6.29E-10	2.02E-10	3.45E-10	2.56E-11	5.73E-10	1.15E-10	1.90E-10	6.30E-12	3.11E-10
5308	740407.3	4111249.47	1.35E-09	2.46E-09	1.35E-10	3.94E-09	2.09E-10	4.03E-10	2.02E-11	6.32E-10	2.03E-10	3.46E-10	2.57E-11	5.75E-10	1.15E-10	1.91E-10	6.33E-12	3.13E-10
5309	740387.41	4111235.74	1.35E-09	2.46E-09	1.35E-10	3.95E-09	2.09E-10	4.03E-10	2.03E-11	6.33E-10	2.04E-10	3.47E-10	2.57E-11	5.76E-10	1.16E-10	1.91E-10	6.34E-12	3.13E-10
5310	740367.52	4111222	1.35E-09	2.46E-09	1.35E-10	3.94E-09	2.09E-10	4.03E-10	2.03E-11	6.33E-10	2.04E-10	3.47E-10	2.57E-11	5.76E-10	1.16E-10	1.91E-10	6.34E-12	3.13E-10
5311	740347.64	4111208.26	1.35E-09	2.45E-09	1.35E-10	3.94E-09	2.09E-10	4.02E-10	2.02E-11	6.31E-10	2.03E-10	3.46E-10	2.57E-11	5.75E-10	1.15E-10	1.91E-10	6.33E-12	3.13E-10
5312	742988.13	4111750.44	3.78E-10	6.89E-10	3.78E-11	1.11E-09	5.86E-11	1.13E-10	5.68E-12	1.77E-10	5.70E-11	9.72E-11	7.21E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.78E-11
5313	743008.24	4111736.95	3.75E-10	6.84E-10	3.75E-11	1.10E-09	5.82E-11	1.12E-10	5.63E-12	1.76E-10	5.66E-11	9.64E-11	7.15E-12	1.60E-10	3.21E-11	5.32E-11	1.76E-12	8.71E-11
5314	743028.35	4111723.45	3.72E-10	6.77E-10	3.72E-11	1.09E-09	5.76E-11	1.11E-10	5.58E-12	1.74E-10	5.60E-11	9.55E-11	7.08E-12	1.59E-10	3.18E-11	5.27E-11	1.75E-12	8.63E-11
5315	743048.46	4111709.96	3.68E-10	6.70E-10	3.68E-11	1.07E-09	5.70E-11	1.10E-10	5.52E-12	1.72E-10	5.55E-11	9.45E-11	7.01E-12	1.57E-10	3.15E-11	5.21E-11	1.73E-12	8.54E-11
5316	743068.57	4111696.47	3.64E-10	6.63E-10	3.64E-11	1.06E-09	5.64E-11	1.09E-10	5.46E-12	1.71E-10	5.49E-11	9.35E-11	6.93E-12	1.55E-10	3.12E-11	5.16E-11	1.71E-12	8.45E-11
5317	743088.68	4111682.98	3.61E-10	6.58E-10	3.61E-11	1.05E-09	5.60E-11	1.08E-10	5.42E-12	1.69E-10	5.44E-11	9.28E-11	6.88E-12	1.54E-10	3.09E-11	5.12E-11	1.70E-12	8.38E-11
5318	743108.79	4111669.48	3.59E-10	6.54E-10	3.59E-11	1.05E-09	5.56E-11	1.07E-10	5.38E-12	1.68E-10	5.41E-11	9.22E-11	6.84E-12	1.53E-10	3.07E-11	5.09E-11	1.69E-12	8.33E-11
5319	743128.9	4111655.99	3.58E-10	6.53E-10	3.58E-11	1.05E-09	5.55E-11	1.07E-10	5.38E-12	1.68E-10	5.40E-11	9.21E-11	6.82E-12	1.53E-10	3.07E-11	5.08E-11	1.68E-12	8.32E-11
5320	743149.01	4111642.5	3.60E-10	6.56E-10	3.60E-11	1.05E-09	5.58E-11	1.07E-10	5.40E-12	1.69E-10	5.42E-11	9.25E-11	6.85E-12	1.54E-10	3.08E-11	5.10E-11	1.69E-12	8.35E-11
5321	743169.12	4111629.01	3.64E-10	6.63E-10	3.64E-11	1.06E-09	5.64E-11	1.09E-10	5.46E-12	1.71E-10	5.49E-11	9.35E-11	6.93E-12	1.55E-10	3.12E-11	5.16E-11	1.71E-12	8.45E-11
5322	743189.23	4111615.51	3.71E-10	6.75E-10	3.71E-11	1.08E-09	5.75E-11	1.11E-10	5.56E-12	1.74E-10	5.59E-11	9.53E-11	7.06E-12	1.58E-10	3.18E-11	5.26E-11	1.74E-12	8.61E-11
5323	743209.34	4111602.02	3.80E-10	6.93E-10	3.81E-11	1.11E-09	5.90E-11	1.14E-10	5.71E-12	1.78E-10	5.73E-11	9.78E-11	7.25E-12	1.62E-10	3.26E-11	5.39E-11	1.79E-12	8.83E-11
5324	743229.45	4111588.53	3.93E-10	7.16E-10	3.93E-11	1.15E-09	6.09E-11	1.17E-10	5.90E-12	1.84E-10	5.93E-11	1.01E-10	7.49E-12	1.68E-10	3.37E-11	5.57E-11	1.85E-12	9.12E-11
5325	743249.56	4111575.04	4.08E-10	7.43E-10	4.08E-11	1.19E-09	6.33E-11	1.22E-10	6.12E-12	1.91E-10	6.15E-11	1.05E-10	7.77E-12	1.74E-10	3.50E-11	5.78E-11	1.92E-12	9.47E-11
5326	743187.31	4112087.22	2.97E-10	5.41E-10	2.97E-11	8.68E-10	4.60E-11	8.87E-11	4.46E-12	1.39E-10	4.48E-11	7.63E-11	5.66E-12	1.27E-10	2.54E-11	4.21E-11	1.40E-12	6.89E-11
5327	743163.64	4112091.83	3.00E-10	5.46E-10	3.00E-11	8.76E-10	4.65E-11	8.96E-11	4.50E-12	1.41E-10	4.52E-11	7.71E-11	5.71E-12	1.28E-10	2.57E-11	4.25E-11	1.41E-12	6.96E-11
5328	743139.96	4112096.44	3.02E-10	5.51E-10	3.03E-11	8.84E-10	4.69E-11	9.03E-11	4.54E-12	1.42E-10	4.56E-11	7.77E-11	5.76E-12	1.29E-10	2.59E-11	4.29E-11	1.42E-12	7.02E-11
5329	743116.29	4112101.06	3.04E-10	5.54E-10	3.04E-11	8.89E-10	4.72E-11	9.08E-11	4.56E-12	1.43E-10	4.59E-11	7.82E-11	5.79E-12	1.30E-10	2.61E-11	4.31E-11	1.43E-12	7.06E-11
5330	743092.62	4112105.67	3.05E-10	5.56E-10	3.06E-11	8.92E-10	4.74E-11	9.12E-11	4.58E-12	1.43E-10	4.60E-11	7.85E-11	5.82E-12	1.30E-10	2.62E-11	4.33E-11	1.44E-12	7.09E-11
5331	743068.94	4112110.29	3.06E-10	5.57E-10	3.06E-11	8.94E-10	4.74E-11	9.14E-11	4.59E-12	1.43E-10	4.61E-11	7.86E-11	5.83E-12	1.31E-10	2.62E-11	4.34E-11	1.44E-12	7.10E-11
5332	743045.27	4112114.9	3.06E-10	5.58E-10	3.06E-11	8.94E-10	4.75E-11	9.14E-11	4.59E-12	1.44E-10	4.62E-11	7.87E-11	5.83E-12	1.31E-10	2.62E-11	4.34E-11	1.44E-12	7.11E-11
5333	743021.59	4112119.51	3.06E-10	5.57E-10	3.06E-11	8.94E-10	4.74E-11	9.14E-11	4.59E-12	1.43E-10	4.61E-11	7.86E-11	5.83E-12	1.31E-10	2.62E-11	4.34E-11	1.44E-12	7.10E-11
5334	742997.92	4112124.13	3.06E-10	5.57E-10	3.06E-11	8.93E-10	4.74E-11	9.13E-11	4.59E-12	1.43E-10	4.61E-11	7.85E-11	5.82E-12	1.30E-10	2.62E-11	4.33E-11	1.44E-12	7.09E-11
5335	742974.25	4112128.74	3.05E-10	5.56E-10	3.05E-11	8.92E-10	4.73E-11	9.12E-11	4.58E-12	1.43E-10	4.60E-11	7.85E-11	5.82E-12	1.30E-10	2.62E-11	4.33E-11	1.43E-12	7.09E-11
5336	742950.57	4112133.35	3.05E-10	5.56E-10	3.05E-11	8.92E-10	4.73E-11	9.12E-11	4.58E-12	1.43E-10	4.60E-11	7.85E-11	5.82E-12	1.30E-10	2.62E-11	4.33E-11	1.43E-12	7.09E-11
5337	742926.9	4112137.97	3.06E-10	5.57E-10	3.06E-11	8.93E-10	4.74E-11	9.13E-11	4.59E-12	1.43E-10	4.61E-11	7.86E-11	5.82E-12	1.30E-10	2.62E-11	4.33E-11	1.44E-12	7.10E-11
5338	742903.22	4112142.58	3.07E-10	5.59E-10	3.07E-11	8.96E-10	4.76E-11	9.16E-11	4.60E-12	1.44E-10	4.62E-11	7.88E-11	5.84E-12	1.31E-10	2.63E-11	4.35E-11	1.44E-12	7.12E-11
5339	742879.55	4112147.2	3.09E-10	5.62E-10	3.09E-11	9.02E-10	4.78E-11	9.22E-11	4.63E-12	1.45E-10	4.65E-11	7.93E-11	5.88E-12	1.32E-10	2.64E-11	4.37E-11	1.45E-12	7.16E-11
5340	742855.87	4112151.81	3.11E-10	5.67E-10	3.12E-11	9.10E-10	4.83E-11	9.30E-11	4.67E-12	1.46E-10	4.70E-11	8.01E-11	5.93E-12	1.33E-10	2.67E-11	4.42E-11	1.46E-12	7.23E-11
5341	742832.2	4112156.42	3.15E-10	5.75E-10	3.16E-11	9.22E-10	4.89E-11	9.42E-11	4.73E-12	1.48E-10	4.76E-11	8.11E-11	6.01E-12	1.35E-10	2.70E-11	4.47E-11	1.48E-12	7.32E-11
5342	742808.53	4112161.04	3.20E-10	5.83E-10	3.20E-11	9.36E-10	4.97E-11	9.57E-11	4.81E-12	1.50E-10	4.83E-11	8.23E-11	6.10E-12	1.37E-10	2.74E-11	4.54E-11	1.50E-12	7.43E-11
5343	742784.85	4112165.65	3.26E-10	5.94E-10	3.26E-11	9.53E-10	5.06E-11	9.74E-11	4.89E-12	1.53E-10	4.92E-11	8.38E-11	6.21E-12	1.39E-10	2.79E-11	4.62E-11	1.53E-12	7.57E-11
5344	742761.18	4112170.27	3.33E-10	6.06E-10	3.33E-11	9.72E-10	5.16E-11	9.94E-11	4.99E-12	1.56E-10	5.02E-11	8.55E-11	6.34E-12	1.42E-10	2.85E-11	4.72E-11	1.56E-12	7.72E-11
5345	742737.5	4112174.88	3.40E-10	6.20E-10	3.41E-11	9.94E-10	5.28E-11	1.02E-10	5.11E-12	1.60E-10	5.13E-11	8.75E-11	6.48E-12	1.45E-10	2.92E-11	4.83E-11	1.60E-12	7.90E-11
5346	742713.83	4112179.49	3.49E-10	6.35E-10	3.49E-11	1.02E-09	5.40E-11	1.04E-10	5.23E-12	1.63E-10	5.26E-11	8.96E-11	6.64E-12	1.49E-10	2.99E-11	4.94E-11	1.64E-12	8.09E-11
5347	742690.16	4112184.11	3.57E-10	6.51E-10	3.58E-11	1.04E-09	5.54E-11	1.07E-10	5.36E-12	1.68E-10	5.39E-11	9.19E-11	6.81E-12	1.53E-10	3.06E-11	5.07E-11	1.68E-12	8.30E-11
5348	742666.48	4112188.72	3.67E-10	6.69E-10	3.67E-11	1.07E-09	5.69E-11	1.10E-10	5.51E-12	1.72E-10	5.54E-11	9.44E-11	6.99E-12	1.57E-10	3.15E-11	5.20E-11	1.73E-12	8.52E-11
5349	742642.81	4112193.33	3.77E-10	6.87E-10	3.78E-11	1.10E-09	5.85E-11	1.13E-10	5.66E-12	1.77E-10	5.69E-11	9.70E-11	7.19E-12	1.61E-10	3.23E-11	5.35E-11	1.77E-12	8.76E-11
5350	742619.13	4112197.95	3.87E-10	7.06E-10	3.88E-11	1.13E-09	6.01E-11	1.16E-10	5.82E-12	1.82E-10	5.84E-11	9.96E-11	7.38E-12	1.65E-10	3.32E-11	5.49E-11	1.82E-12	9.00E-11
5351	742595.46	4112202.56	3.98E-10	7.25E-10	3.98E-11	1.16E-09	6.17E-11	1.19E-10	5.97E-12	1.87E-10	6.00E-11	1.02E-10	7.58E-12	1.70E-10	3.41E-11	5.64E-11	1.87E-12	9.24E-11
5352	742571.79	4112207.18	4.08E-10	7.44E-10	4.09E-11	1.19E-09	6.33E-11	1.22E-10	6.13E-12	1.92E-10	6.16E-11	1.05E-10	7.78E-12	1.74E-10	3.50E-11	5.79E-11	1.92E-12	9.48E-11
5353	742548.11	4112211.79	4.19E-10	7.63E-10	4.19E-11	1.22E-09	6.49E-11	1.25E-10	6.28E-12	1.96E-10	6.31E-11	1.08E-10	7.98E-12	1.79E-10	3.59E-11	5.94E-11	1.97E-12	9.72E-11
5354	742524.44	4112216.4	4.29E-10	7.81E-10	4.29E-11	1.25E-09	6.65E-11	1.28E-10	6.43E-12	2.01E-10	6.46E-11	1.10E-10	8.17E-12	1.83E-10	3.67E-11	6.08E-11	2.01E-12	9.95E-11
5355	742500.76	4112221.02	4.38E-10	7.98E-10	4.38E-11	1.28E-09	6.79E-11	1.31E-10	6.57E-12	2.05E-10	6.60E-11	1.13E-10	8.34E-12	1.87E-10	3.75E-11	6.21E-11	2.06E-12	1.02E-10
5356	742477.09	4112225.63	4.46E-10	8.12E-10	4.46E-11	1.30E-09	6.91E-11	1.33E-10	6.69E-12	2.09E-10	6.72E-11	1.15E-10	8.49E-12	1.90E-10	3.82E-11	6.32E-11	2.09E-12	1.03E-10
5357	742453.42	4112230.24	4.53E-10	8.25E-10	4.53E-11	1.32E-09	7.02E-11	1.35E-10	6.80E-12	2.12E-10	6.83E-11	1.16E-10	8.63E-12	1.93E-10	3.88E-11	6.42E-11	2.13E-12	1.05E-10
5358	742429.74	4112234.86	4.59E-10	8.36E-10	4.59E-11	1.34E-09	7.12E-11	1.37E-10	6.89E-12	2.15E-10	6.92E-11	1.18E-10	8.74E-12	1.96E-10	3.93E-11	6.51E-11	2.16E-12	1.07E-10
5359	742406.07	4112239.47	4.63E-10	8.44E-10	4.64E-11	1.35E-09	7.19E-11	1.38E-10	6.96E-12	2.17E-10	6.99E-11	1.19E-10	8.83E-12	1.98E-10	3.97E-11	6.57E-11	2.18E-12	1.08E-10
5360	742382.39	4112244.09	4.67E-10	8.50E-10	4.67E-11	1.36E-09	7.24E-11	1.39E-10	7.00E-12	2.19E-10	7.04E-11	1.20E-10	8.89E-12	1.99E-10	4.00E-11	6.62E-11	2.19E-12	1.08E-10
5361	742358.72	4112248.7	4.69E-10	8.54E-10	4.69E-11	1.37E-09	7.27E-11	1.40E-10	7.04E-12	2.20E-10	7.07E-11	1.21E-10	8.94E-12	2.00E-10	4.02E-11	6.65E-11	2.20E-12	1.09E-10
5362	742335.05	4112253.31	4.70E-10	8.57E-10	4.70E-11	1.37E-09	7.29E-11	1.40E-10	7.06E-12	2.20E-10	7.09E-11	1.21E-10	8.96E-12	2.01E-10	4.03E-11	6.67E-11	2.21E-12	1.09E-10
5363	742311.37	4112257.93	4.71E-10	8.58E-10	4.71E-11	1.38E-09	7.30E-11	1.41E-10	7.07E-12	2.21E-10	7.10E-11	1.21E-10	8.97E-12	2.01E-10	4.03E-11	6.68E-11	2.21E-12	1.09E-10
5364	742287.7	4112262.54	4.71E-10	8.58E-10	4.71E-11	1.38E-09	7.30E-11	1.41E-10	7.06E-12	2.21E-10	7.10E-11	1.21E-10	8.97E-12	2.01E-10	4.03E-11	6.67E-11	2.21E-12	1.09E-10
5365	742264.02	4112267.15	4.70E-10	8.57E-10	4.71E-11	1.37E-09	7.29E-11	1.41E-10	7.06E-12	2.21E-10	7.09E-11	1.21E-10	8.96E-12	2.01E-10	4.03E-11	6.67E-11	2.21E-12	1.09E-10
5366	742240.35	4112271.77	4.70E-10	8.56E-10	4.70E-11	1.37E-09	7.29E-11	1.40E-10	7.05E-12	2.20E-10	7.09E-11	1.21E-10	8.95E-12	2.01E-10	4.03E-11	6.66E-11	2.21E-12	1.09E-10
5367	742216.67	4112276.38	4.70E-10	8.56E-10	4.70E-11	1.37E-09	7.28E-11	1.40E-10	7.05E-12	2.20E-10	7.08E-11	1.21E-10	8.95E-12	2.00E-10	4.02E-11	6.66E-11	2.21E-12	1.09E-10
5368	742193	4112281	4.70E-10	8.56E-10	4.70E-11	1.37E-09	7.28E-11	1.40E-10	7.05E-12	2.20E-10	7.08E-11	1.21E-10	8.95E-12	2.00E-10	4.02E-11	6.66E-11	2.21E-12	1.09E-10
5369	742169.33	4112285.61	4.71E-10	8.58E-10	4.71E-11	1.38E-09	7.30E-11	1.41E-10	7.07E-12	2.21E-10	7.10E-11	1.21E-10	8.97E-12	2.01E-10	4.03E-11	6.68E-11	2.21E-12	1.09E-10
5370	742145.65	4112290.22	4.73E-10	8.62E-10	4.73E-11	1.38E-09	7.33E-11	1.41E-10	7.10E-12	2.22E-10	7.13E-11	1.22E-10	9.01E-12	2.02E-10	4.05E-11	6.70E-11	2.22E-12	1.10E-10
5371	742121.98	4112294.84	4.75E-10	8.66E-10	4.76E-11	1.39E-09	7.37E-11	1.42E-10	7.13E-12	2.23E-10	7.17E-11	1.22E-10	9.06E-12	2.03E-10	4.07E-11	6.74E-11	2.23E-12	1.10E-10
5372	742098.3	4112299.45	4.78E-10	8.72E-10	4.79E-11	1.40E-09	7.42E-11	1.43E-10	7.18E-12	2.24E-10	7.21E-11	1.23E-10	9.12E-12	2.04E-10	4.10E-11	6.78E-11	2.25E-12	1.11E-10

5373	742074.63	4112304.06	4.82E-10	8.79E-10	4.83E-11	1.41E-09	7.48E-11	1.44E-10	7.24E-12	2.26E-10	7.27E-11	1.24E-10	9.19E-12	2.06E-10	4.13E-11	6.84E-11	2.27E-12	1.12E-10
5374	742050.96	4112308.68	4.87E-10	8.87E-10	4.87E-11	1.42E-09	7.55E-11	1.45E-10	7.31E-12	2.28E-10	7.34E-11	1.25E-10	9.28E-12	2.08E-10	4.17E-11	6.90E-11	2.29E-12	1.13E-10
5375	742027.28	4112313.29	4.92E-10	8.96E-10	4.92E-11	1.44E-09	7.63E-11	1.47E-10	7.38E-12	2.31E-10	7.42E-11	1.26E-10	9.37E-12	2.10E-10	4.22E-11	6.97E-11	2.31E-12	1.14E-10
5376	742003.61	4112317.91	4.97E-10	9.06E-10	4.98E-11	1.45E-09	7.71E-11	1.49E-10	7.47E-12	2.33E-10	7.50E-11	1.28E-10	9.48E-12	2.12E-10	4.26E-11	7.05E-11	2.34E-12	1.15E-10
5377	741979.93	4112322.52	5.03E-10	9.17E-10	5.03E-11	1.47E-09	7.80E-11	1.50E-10	7.55E-12	2.36E-10	7.58E-11	1.29E-10	9.58E-12	2.15E-10	4.31E-11	7.13E-11	2.36E-12	1.17E-10
5378	741956.26	4112327.13	5.09E-10	9.28E-10	5.09E-11	1.49E-09	7.90E-11	1.52E-10	7.64E-12	2.39E-10	7.68E-11	1.31E-10	9.70E-12	2.17E-10	4.36E-11	7.22E-11	2.39E-12	1.18E-10
5379	741932.59	4112331.75	5.16E-10	9.40E-10	5.16E-11	1.51E-09	8.00E-11	1.54E-10	7.74E-12	2.42E-10	7.78E-11	1.33E-10	9.83E-12	2.20E-10	4.42E-11	7.31E-11	2.42E-12	1.20E-10
5380	741908.91	4112336.36	5.22E-10	9.51E-10	5.22E-11	1.53E-09	8.09E-11	1.56E-10	7.83E-12	2.45E-10	7.87E-11	1.34E-10	9.95E-12	2.23E-10	4.47E-11	7.40E-11	2.45E-12	1.21E-10
5381	741885.24	4112340.98	5.28E-10	9.62E-10	5.28E-11	1.54E-09	8.19E-11	1.58E-10	7.93E-12	2.48E-10	7.96E-11	1.36E-10	1.01E-11	2.25E-10	4.53E-11	7.49E-11	2.48E-12	1.23E-10
5382	741861.56	4112345.59	5.34E-10	9.73E-10	5.34E-11	1.56E-09	8.28E-11	1.60E-10	8.02E-12	2.50E-10	8.05E-11	1.37E-10	1.02E-11	2.28E-10	4.58E-11	7.57E-11	2.51E-12	1.24E-10
5383	741837.89	4112350.2	5.40E-10	9.83E-10	5.40E-11	1.58E-09	8.37E-11	1.61E-10	8.10E-12	2.53E-10	8.14E-11	1.39E-10	1.03E-11	2.30E-10	4.62E-11	7.65E-11	2.54E-12	1.25E-10
5384	741814.22	4112354.82	5.45E-10	9.93E-10	5.45E-11	1.59E-09	8.45E-11	1.63E-10	8.18E-12	2.55E-10	8.21E-11	1.40E-10	1.04E-11	2.33E-10	4.67E-11	7.72E-11	2.56E-12	1.26E-10
5385	741790.54	4112359.43	5.49E-10	1.00E-09	5.50E-11	1.61E-09	8.52E-11	1.64E-10	8.25E-12	2.58E-10	8.29E-11	1.41E-10	1.05E-11	2.35E-10	4.71E-11	7.79E-11	2.58E-12	1.28E-10
5386	741766.87	4112364.04	5.54E-10	1.01E-09	5.54E-11	1.62E-09	8.59E-11	1.65E-10	8.31E-12	2.60E-10	8.35E-11	1.42E-10	1.05E-11	2.36E-10	4.74E-11	7.85E-11	2.60E-12	1.29E-10
5387	741743.19	4112368.66	5.58E-10	1.02E-09	5.58E-11	1.63E-09	8.65E-11	1.67E-10	8.37E-12	2.61E-10	8.41E-11	1.43E-10	1.06E-11	2.38E-10	4.78E-11	7.90E-11	2.62E-12	1.29E-10
5388	741719.52	4112373.27	5.61E-10	1.02E-09	5.62E-11	1.64E-09	8.71E-11	1.68E-10	8.43E-12	2.63E-10	8.47E-11	1.44E-10	1.07E-11	2.40E-10	4.81E-11	7.96E-11	2.64E-12	1.30E-10
5389	741695.85	4112377.89	5.65E-10	1.03E-09	5.65E-11	1.65E-09	8.76E-11	1.69E-10	8.48E-12	2.65E-10	8.52E-11	1.45E-10	1.08E-11	2.41E-10	4.84E-11	8.01E-11	2.65E-12	1.31E-10
5390	741672.17	4112382.5	5.68E-10	1.03E-09	5.68E-11	1.66E-09	8.81E-11	1.70E-10	8.52E-12	2.66E-10	8.56E-11	1.46E-10	1.08E-11	2.42E-10	4.87E-11	8.05E-11	2.67E-12	1.32E-10
5391	741648.5	4112387.11	5.71E-10	1.04E-09	5.71E-11	1.67E-09	8.85E-11	1.71E-10	8.57E-12	2.68E-10	8.61E-11	1.47E-10	1.09E-11	2.44E-10	4.89E-11	8.09E-11	2.68E-12	1.33E-10
5392	741624.82	4112391.73	5.74E-10	1.05E-09	5.74E-11	1.68E-09	8.90E-11	1.71E-10	8.61E-12	2.69E-10	8.65E-11	1.47E-10	1.09E-11	2.45E-10	4.92E-11	8.14E-11	2.70E-12	1.33E-10
5393	741601.15	4112396.34	5.76E-10	1.05E-09	5.77E-11	1.68E-09	8.94E-11	1.72E-10	8.65E-12	2.70E-10	8.69E-11	1.48E-10	1.10E-11	2.46E-10	4.94E-11	8.17E-11	2.71E-12	1.34E-10
5394	741577.47	4112400.95	5.78E-10	1.05E-09	5.79E-11	1.69E-09	8.97E-11	1.73E-10	8.68E-12	2.71E-10	8.72E-11	1.49E-10	1.10E-11	2.47E-10	4.96E-11	8.20E-11	2.72E-12	1.34E-10
5395	741553.8	4112405.57	5.80E-10	1.06E-09	5.80E-11	1.69E-09	8.99E-11	1.73E-10	8.70E-12	2.72E-10	8.75E-11	1.49E-10	1.11E-11	2.48E-10	4.97E-11	8.22E-11	2.73E-12	1.35E-10
5396	741530.13	4112410.18	5.81E-10	1.06E-09	5.81E-11	1.70E-09	9.01E-11	1.74E-10	8.72E-12	2.72E-10	8.76E-11	1.49E-10	1.11E-11	2.48E-10	4.98E-11	8.24E-11	2.73E-12	1.35E-10
5397	741506.45	4112414.8	5.82E-10	1.06E-09	5.82E-11	1.70E-09	9.02E-11	1.74E-10	8.73E-12	2.73E-10	8.77E-11	1.49E-10	1.11E-11	2.48E-10	4.98E-11	8.25E-11	2.73E-12	1.35E-10
5398	741482.78	4112419.41	5.81E-10	1.06E-09	5.82E-11	1.70E-09	9.02E-11	1.74E-10	8.73E-12	2.73E-10	8.77E-11	1.49E-10	1.11E-11	2.48E-10	4.98E-11	8.24E-11	2.73E-12	1.35E-10
5399	741439.26	4112410.32	5.86E-10	1.07E-09	5.86E-11	1.71E-09	9.08E-11	1.75E-10	8.79E-12	2.75E-10	8.83E-11	1.51E-10	1.12E-11	2.50E-10	5.02E-11	8.30E-11	2.75E-12	1.36E-10
5400	741419.41	4112396.61	5.90E-10	1.07E-09	5.90E-11	1.72E-09	9.15E-11	1.76E-10	8.85E-12	2.77E-10	8.90E-11	1.52E-10	1.12E-11	2.52E-10	5.05E-11	8.36E-11	2.77E-12	1.37E-10
5401	741399.57	4112382.9	5.94E-10	1.08E-09	5.95E-11	1.74E-09	9.21E-11	1.78E-10	8.92E-12	2.79E-10	8.96E-11	1.53E-10	1.13E-11	2.54E-10	5.09E-11	8.42E-11	2.79E-12	1.38E-10
5402	741379.72	4112369.19	5.98E-10	1.09E-09	5.99E-11	1.75E-09	9.28E-11	1.79E-10	8.98E-12	2.80E-10	9.02E-11	1.54E-10	1.14E-11	2.55E-10	5.13E-11	8.48E-11	2.81E-12	1.39E-10
5403	741359.88	4112355.48	6.02E-10	1.10E-09	6.02E-11	1.76E-09	9.34E-11	1.80E-10	9.04E-12	2.82E-10	9.08E-11	1.55E-10	1.15E-11	2.57E-10	5.16E-11	8.54E-11	2.83E-12	1.40E-10
5404	741340.03	4112341.78	6.06E-10	1.10E-09	6.07E-11	1.77E-09	9.40E-11	1.81E-10	9.10E-12	2.84E-10	9.14E-11	1.56E-10	1.16E-11	2.59E-10	5.20E-11	8.60E-11	2.85E-12	1.41E-10
5405	741320.18	4112328.07	6.11E-10	1.11E-09	6.11E-11	1.78E-09	9.47E-11	1.82E-10	9.17E-12	2.86E-10	9.21E-11	1.57E-10	1.16E-11	2.61E-10	5.23E-11	8.66E-11	2.87E-12	1.42E-10
5406	741300.34	4112314.36	6.15E-10	1.12E-09	6.16E-11	1.80E-09	9.54E-11	1.84E-10	9.24E-12	2.89E-10	9.28E-11	1.58E-10	1.17E-11	2.63E-10	5.27E-11	8.73E-11	2.89E-12	1.43E-10
5407	741280.49	4112300.65	6.21E-10	1.13E-09	6.21E-11	1.81E-09	9.62E-11	1.85E-10	9.32E-12	2.91E-10	9.36E-11	1.60E-10	1.18E-11	2.65E-10	5.32E-11	8.80E-11	2.92E-12	1.44E-10
5408	741260.65	4112286.95	6.26E-10	1.14E-09	6.26E-11	1.83E-09	9.71E-11	1.87E-10	9.40E-12	2.94E-10	9.44E-11	1.61E-10	1.19E-11	2.67E-10	5.37E-11	8.88E-11	2.94E-12	1.45E-10
5409	741240.8	4112273.24	6.32E-10	1.15E-09	6.32E-11	1.85E-09	9.80E-11	1.89E-10	9.48E-12	2.96E-10	9.53E-11	1.62E-10	1.20E-11	2.70E-10	5.41E-11	8.96E-11	2.97E-12	1.47E-10
5410	741220.96	4112259.53	6.38E-10	1.16E-09	6.38E-11	1.86E-09	9.89E-11	1.91E-10	9.57E-12	2.99E-10	9.62E-11	1.64E-10	1.22E-11	2.72E-10	5.46E-11	9.04E-11	3.00E-12	1.48E-10
5411	741201.11	4112245.82	6.44E-10	1.17E-09	6.44E-11	1.88E-09	9.98E-11	1.92E-10	9.66E-12	3.02E-10	9.71E-11	1.65E-10	1.23E-11	2.75E-10	5.52E-11	9.13E-11	3.02E-12	1.49E-10
5412	741181.27	4112232.12	6.49E-10	1.18E-09	6.49E-11	1.90E-09	1.01E-10	1.94E-10	9.74E-12	3.04E-10	9.78E-11	1.67E-10	1.24E-11	2.77E-10	5.56E-11	9.20E-11	3.05E-12	1.51E-10
5413	741161.42	4112218.41	6.53E-10	1.19E-09	6.54E-11	1.91E-09	1.01E-10	1.95E-10	9.80E-12	3.06E-10	9.85E-11	1.68E-10	1.24E-11	2.79E-10	5.60E-11	9.26E-11	3.07E-12	1.52E-10
5414	741141.57	4112204.7	6.57E-10	1.20E-09	6.57E-11	1.92E-09	1.02E-10	1.96E-10	9.85E-12	3.08E-10	9.90E-11	1.69E-10	1.25E-11	2.80E-10	5.63E-11	9.31E-11	3.09E-12	1.52E-10
5415	741121.73	4112190.99	6.59E-10	1.20E-09	6.59E-11	1.93E-09	1.02E-10	1.97E-10	9.89E-12	3.09E-10	9.94E-11	1.69E-10	1.26E-11	2.81E-10	5.65E-11	9.34E-11	3.10E-12	1.53E-10
5416	741101.88	4112177.29	6.60E-10	1.20E-09	6.60E-11	1.93E-09	1.02E-10	1.97E-10	9.90E-12	3.09E-10	9.95E-11	1.70E-10	1.26E-11	2.82E-10	5.65E-11	9.35E-11	3.10E-12	1.53E-10
5417	741082.04	4112163.58	6.59E-10	1.20E-09	6.60E-11	1.93E-09	1.02E-10	1.97E-10	9.90E-12	3.09E-10	9.94E-11	1.69E-10	1.26E-11	2.81E-10	5.65E-11	9.35E-11	3.10E-12	1.53E-10
5418	741062.19	4112149.87	6.57E-10	1.20E-09	6.58E-11	1.92E-09	1.02E-10	1.96E-10	9.87E-12	3.08E-10	9.91E-11	1.69E-10	1.25E-11	2.81E-10	5.63E-11	9.32E-11	3.09E-12	1.53E-10
5419	741042.35	4112136.16	6.54E-10	1.19E-09	6.54E-11	1.91E-09	1.01E-10	1.95E-10	9.82E-12	3.07E-10	9.86E-11	1.68E-10	1.25E-11	2.79E-10	5.60E-11	9.27E-11	3.07E-12	1.52E-10
5420	741022.5	4112122.46	6.49E-10	1.18E-09	6.49E-11	1.90E-09	1.01E-10	1.94E-10	9.74E-12	3.04E-10	9.78E-11	1.67E-10	1.24E-11	2.77E-10	5.56E-11	9.20E-11	3.05E-12	1.51E-10
5421	741002.65	4112108.75	6.43E-10	1.17E-09	6.43E-11	1.88E-09	9.97E-11	1.92E-10	9.65E-12	3.01E-10	9.70E-11	1.65E-10	1.23E-11	2.74E-10	5.51E-11	9.12E-11	3.02E-12	1.49E-10
5422	740982.81	4112095.04	6.37E-10	1.16E-09	6.37E-11	1.86E-09	9.87E-11	1.90E-10	9.55E-12	2.98E-10	9.60E-11	1.64E-10	1.21E-11	2.72E-10	5.46E-11	9.03E-11	2.99E-12	1.48E-10
5423	740962.96	4112081.33	6.30E-10	1.15E-09	6.31E-11	1.84E-09	9.78E-11	1.88E-10	9.46E-12	2.96E-10	9.51E-11	1.62E-10	1.20E-11	2.69E-10	5.40E-11	8.94E-11	2.96E-12	1.46E-10
5424	740943.12	4112067.62	6.25E-10	1.14E-09	6.25E-11	1.83E-09	9.69E-11	1.87E-10	9.37E-12	2.93E-10	9.42E-11	1.61E-10	1.19E-11	2.67E-10	5.35E-11	8.86E-11	2.94E-12	1.45E-10
5425	740923.27	4112053.92	6.20E-10	1.13E-09	6.20E-11	1.81E-09	9.61E-11	1.85E-10	9.30E-12	2.91E-10	9.34E-11	1.59E-10	1.18E-11	2.65E-10	5.31E-11	8.79E-11	2.91E-12	1.44E-10
5426	740903.43	4112040.21	6.16E-10	1.12E-09	6.17E-11	1.80E-09	9.56E-11	1.84E-10	9.25E-12	2.89E-10	9.30E-11	1.58E-10	1.17E-11	2.63E-10	5.28E-11	8.74E-11	2.90E-12	1.43E-10
5427	740883.58	4112026.5	6.16E-10	1.12E-09	6.16E-11	1.80E-09	9.55E-11	1.84E-10	9.24E-12	2.89E-10	9.29E-11	1.58E-10	1.17E-11	2.63E-10	5.28E-11	8.73E-11	2.89E-12	1.43E-10
5428	740863.74	4112012.79	6.17E-10	1.12E-09	6.18E-11	1.80E-09	9.57E-11	1.84E-10	9.27E-12	2.89E-10	9.31E-11	1.59E-10	1.18E-11	2.64E-10	5.29E-11	8.75E-11	2.90E-12	1.43E-10
5429	740843.89	4111999.09	6.22E-10	1.13E-09	6.22E-11	1.82E-09	9.64E-11	1.86E-10	9.33E-12	2.92E-10	9.38E-11	1.60E-10	1.18E-11	2.65E-10	5.33E-11	8.82E-11	2.92E-12	1.44E-10
5430	740824.04	4111985.38	6.29E-10	1.15E-09	6.30E-11	1.84E-09	9.76E-11	1.88E-10	9.44E-12	2.95E-10	9.49E-11	1.62E-10	1.20E-11	2.69E-10	5.39E-11	8.92E-11	2.96E-12	1.46E-10
5431	740804.2	4111971.67	6.40E-10	1.17E-09	6.40E-11	1.87E-09	9.92E-11	1.91E-10	9.60E-12	3.00E-10	9.65E-11	1.64E-10	1.22E-11	2.73E-10	5.48E-11	9.07E-11	3.01E-12	1.49E-10
5432	740784.35	4111957.96	6.53E-10	1.19E-09	6.53E-11	1.91E-09	1.01E-10	1.95E-10	9.80E-12	3.06E-10	9.84E-11	1.68E-10	1.24E-11	2.79E-10	5.59E-11	9.25E-11	3.07E-12	1.52E-10
5433	740764.51	4111944.26	6.68E-10	1.22E-09	6.69E-11	1.95E-09	1.04E-10	2.00E-10	1.00E-11	3.13E-10	1.01E-10	1.72E-10	1.27E-11	2.85E-10	5.73E-11	9.48E-11	3.14E-12	1.55E-10
5434	740744.66	4111930.55	6.85E-10	1.25E-09	6.86E-11	2.00E-09	1.06E-10	2.05E-10	1.03E-11	3.21E-10	1.03E-10	1.76E-10	1.31E-11	2.93E-10	5.87E-11	9.72E-11	3.22E-12	1.59E-10
5435	740724.82	4111916.84	7.04E-10	1.28E-09	7.04E-11	2.06E-09	1.09E-10	2.10E-10	1.06E-11	3.30E-10	1.06E-10	1.81E-10	1.34E-11	3.00E-10	6.03E-11	9.97E-11	3.31E-12	1.63E-10
5436	740704.97	4111903.13	7.22E-10	1.31E-09	7.22E-11	2.11E-09	1.12E-10	2.16E-10	1.08E-11	3.38E-10	1.09E-10	1.86E-10	1.38E-11	3.08E-10	6.18E-11	1.02E-10	3.39E-12	1.68E-10
5437	740685.12	4111889.43	7.39E-10	1.35E-09	7.39E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.46E-10	1.11E-10	1.90E-10	1.41E-11	3.15E-10	6.33E-11	1.05E-10	3.47E-12	1.72E-10
5438	740665.28	4111875.72	7.55E-10	1.38E-09	7.55E-11	2.21E-09	1.17E-10	2.25E-10	1.13E-11	3.54E-10	1.14E-10	1.94E-10	1.44E-11	3.22E-10	6.47E-11	1.07E-10	3.55E-12	1.75E-10
5439	740645.43	4111862.01	7.68E-10	1.40E-09	7.69E-11	2.24E-09	1.19E-10	2.29E-10	1.15E-11	3.60E-10	1.16E-10	1.97E-10	1.46E-11	3.28E-10	6.58E-11	1.09E-10	3.61E-12	1.78E-10
5440	740625.59	4111848.3	7.79E-10	1.42E-09	7.80E-11	2.28E-09	1.21E-10	2.33E-10	1.17E-11	3.65E-10	1.18E-10	2.00E-10	1.49E-11	3.33E-10	6.68E-11	1.10E-10	3.66E-12	1.81E-10
5441	740605.74	4111834.59	7.88E-10	1.44E-09	7.89E-11	2.30E-09	1.22E-10	2.35E-10	1.18E-11	3.69E-10	1.19E-10	2.03E-10	1.50E-11	3.36E-10	6.75E-11	1.12E-10	3.70E-12	1.83E-10
5442	740585.9	4111820.89	7.95E-10	1.45E-09	7.95E-11	2.32E-09	1.23E-10	2.37E-10	1.19E-11	3.73E-10	1.20E-10	2.04E-10	1.51E-11	3.39E-10	6.81E-11	1.13E-10	3.73E-12	1.84E-10
5443	740566.05	4111807.18	7.99E-10	1.46E-09	7.99E-11	2.33E-09	1.24E-10	2.39E-10	1.20E-11	3.75E-10	1.20E-10	2.05E-10	1.52E-11	3.41E-10	6.85E-11	1.13E-10	3.75E-12	1.85E-10
5444	740546.2	4111793.47	8.02E-10	1.46E-09	8.02E-11	2.34E-09	1.24E-10	2.39E-10	1.20E-11	3.76E-10	1.21E-10	2.06E-10	1.53E-11	3.42E-10	6.87E-11	1.14E-10	3.77E-12	1.86E-10
5445	740526.36	4111779.76	8.04E-10	1.46E-09	8.04E-11	2.35E-09	1.25E-10	2.40E-10	1.21E-11	3.77E-10	1.21E-10	2.07E-10	1.53E-11	3.43E-10	6.89E-11	1.14E-10	3.78E-12	1.87E-10
5446	740506.51	4111766.06	8.06E-10	1.47E-09	8.06E-11	2.36E-09	1.25E-10	2.41E-10	1.21E-11	3.78E-10	1.22E-10	2.07E-10	1.54E-11	3.44E-10	6.91E-11	1.14E-10	3.79E-12	1.87E-10
5447	740486.67	4111752.35	8.09E-10	1.47E-09	8.09E-11	2.36E-09	1.25E-10	2.42E-10	1.21E-11	3.79E-10	1.22E-10	2.08E-10	1.54E-11	3.45E-10	6.93E-11	1.15E-10	3.80E-12	1.88E-10
5448	740466.82	4111738.64	8.13E-10	1.48E-09	8.13E-11	2.38E-09	1.26E-10	2.43E-10	1.22E-11	3.81E-10	1.23E-10	2.09E-10	1.55E-11	3.47E-10	6.96E-11	1.15E-10	3.82E-12	1.89E-10
5449	740446.98	4111724.93	8.19E-10	1.49E-09	8.19E-11	2.39E-09	1.27E-10	2.45E-10	1.23E-11	3.84E-10	1.23E-10	2.10E-10	1.56E-11	3.49E-10	7.01E-11	1.16E-10	3.85E-12	1.90E-10
5450	740427.13	4111711.23	8.27E-10	1.51E-09	8.27E-11	2.42E-09	1.28E-10	2.47E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.53E-10	7.08E-11	1.17E-10	3.89E-12	1.92E-10
5451	740407.29	4111697.52	8.37E-10	1.53E-09	8.38E-11	2.45E-09	1.30E-10	2.50E-10	1.26E-11	3.93E-10	1.26E-10	2.15E-10	1.60E-11	3.57E-10	7.17E-11	1.19E-10	3.93E-12	1.94E-10
5452	740387.44	4111683.81	8.50E-10	1.55E-09	8.51E-11	2.48E-09	1.32E-10	2.54E-10	1.28E-11	3.99E-10	1.28E-10	2.19E-10	1.62E-11	3.63E-10	7.29E-11	1.21E-10	4.00E-12	1.97E-10
5453	740367.59	4111670.1	8.65E-10	1.58E-09	8.66E-11	2.53E-09	1.34E-10	2.58E-10	1.30E-11	4.06E-10	1.30E-10	2.22E-10	1.65E-11	3.69E-10	7.41E-11	1.23E-10	4.07E-12	2.01E-10
5454	740347.75	4111656.4	8.82E-10	1.61E-09	8.82E-11	2.58E-09	1.37E-10	2.63E-10	1.32E-11	4.13E-10	1.33E-10	2.27E-10	1.68E-11	3.76E-10	7.56E-11	1.25E-10	4.14E-12	2.05E-10
5455	740327.9	4111642.69	8.99E-10	1.64E-09	8.99E-11	2.63E-09	1.39E-10	2.69E-10	1.35E-11	4.21E-10	1.36E-10	2.31E-10	1.71E-11	3.84E-10	7.70E-11	1.27E-10	4.22E-12	2.09E-10
5456	740308.06	4111628.98	9.17E-10	1.67E-09	9.18E-11	2.68E-09	1.42E-10	2.74E-10	1.38E-11	4.30E-10	1.38E-10	2.36E-10	1.75E-11	3.92E-10	7.86E-11	1.30E-10	4.31E-12	2.13E-10
5457	740288.21	4111615.27	9.35E-10	1.70E-09	9.36E-11	2.73E-09	1.45E-10	2.79E-10	1.40E-11	4.38E-10	1.41E-10	2.40E-10	1.78E-11	3.99E-10	8.01E-11	1.33E-10	4.40E-12	2.17E-10
5458	740268.37	4111601.56	9.53E-10	1.74E-09	9.53E-11	2.78E-09	1.48E-10	2.85E-10	1.43E-11	4.47E-10	1.44E-10	2.45E-10	1.82E-11	4.07E-10	8.16E-11	1.35E-10	4.48E-12	2.21E-10
5459	740248.52	4111587.86	9.69E-10	1.77E-09	9.69E-11	2.83E-09	1.50E-10	2.89E-10	1.45E-11	4.54E-10	1.46E-10	2.49E-10	1.85E-11	4.14E-10	8.30E-11	1.37E-10	4.55E-12	2.25E-10
5460	740228.67	4111574.15	9.84E-10	1.79E-09	9.84E-11	2.87E-09	1.53E-10	2.94E-10	1.48E-11	4.61E-10	1.48E-10	2.53E-10	1.87E-11	4.20E-10	8.43E-11	1.39E-10	4.62E-12	2.28E-10
5461	740208.83	4111560.44	9.96E-10	1.82E-09	9.97E-11	2.91E-09	1.54E-10	2.98E-10	1.49E-11	4.67E-10	1.50E-10	2.56E-10	1.90E-11	4.25E-10	8.54E-11	1.41E-10	4.68E-12	2.31E-10
5462	740188.98	4111546.73	1.01E-09	1.83E-09	1.01E-10	2.94E-09	1.56E-10	3.01E-10	1.51E-11	4.72E-10	1.52E-10	2.59E-10	1.92E-11	4.30E-10	8.63E-11	1.43E-10	4.73E-12	2.34E-10
5463	740169.14	4111533.03	1.02E-09	1.85E-09	1.02E-10	2.97E-09	1.58E-10	3.04E-10	1.52E-11	4.76E-10	1.53E-10	2.61E-10	1.94E-11	4.34E-10	8.71E-11	1.44E-10	4.77E-12	2.36E-10
5464	740149.29	4111519.32	1.02E-09	1.86E-09	1.02E-10	2.99E-09	1.59E-10	3.06E-10	1.54E-11	4.80E-10	1.54E-10	2.63E-10	1.95E-11	4.37E-10	8.77E-11	1.45E-10	4.81E-12	2.38E-10
5465	740129.45	4111505.61	1.03E-09	1.87E-09	1.03E-10	3.01E-09	1.60E-10	3.07E-10	1.54E-11	4.82E-10	1.55E-10	2.64E-10	1.96E-11	4.39E-10	8.82E-11	1.46E-10	4.83E-12	2.39E-10
5466	740109.6	4111491.9	1.03E-09	1.88E-09	1.03E-10	3.02E-09	1.60E-10	3.09E-10	1.55E-11	4.84E-10	1.56E-10	2.65E-10	1.97E-11	4.41E-10	8.85E-11	1.46E-10	4.85E-12	2.40E-10
5467	740089.76	4111478.2	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.09E-10	1.55E-11	4.85E-10	1.56E-10	2.66E-10	1.97E-11	4.42E-10	8.87E-11	1.47E-10	4.86E-12	2.40E-10
5468	740069.91	4111464.49	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.10E-10	1.55E-11	4.86E-10	1.56E-10	2.66E-10	1.97E-11	4.42E-10	8.88E-11	1.47E-10	4.87E-12	2.41E-10

5469	740050.06	4111450.78	1.04E-09	1.89E-09	1.04E-10	3.03E-09	1.61E-10	3.09E-10	1.55E-11	4.85E-10	1.56E-10	2.66E-10	1.97E-11	4.42E-10	8.87E-11	1.47E-10	4.87E-12	2.40E-10
5470	740030.22	4111437.07	1.03E-09	1.88E-09	1.03E-10	3.02E-09	1.60E-10	3.09E-10	1.55E-11	4.84E-10	1.56E-10	2.66E-10	1.97E-11	4.41E-10	8.85E-11	1.47E-10	4.86E-12	2.40E-10
5471	740010.37	4111423.37	1.03E-09	1.88E-09	1.03E-10	3.01E-09	1.60E-10	3.08E-10	1.55E-11	4.83E-10	1.55E-10	2.65E-10	1.96E-11	4.40E-10	8.82E-11	1.46E-10	4.84E-12	2.39E-10
5472	743210.99	4112082.6	2.93E-10	5.34E-10	2.93E-11	8.57E-10	4.55E-11	8.76E-11	4.40E-12	1.37E-10	4.42E-11	7.54E-11	5.59E-12	1.25E-10	2.51E-11	4.16E-11	1.38E-12	6.81E-11
5473	743231.1	4112069.11	2.90E-10	5.29E-10	2.90E-11	8.48E-10	4.50E-11	8.67E-11	4.36E-12	1.36E-10	4.38E-11	7.46E-11	5.53E-12	1.24E-10	2.49E-11	4.12E-11	1.36E-12	6.74E-11
5474	743251.21	4112055.62	2.87E-10	5.23E-10	2.87E-11	8.39E-10	4.45E-11	8.58E-11	4.31E-12	1.35E-10	4.33E-11	7.38E-11	5.47E-12	1.23E-10	2.46E-11	4.07E-11	1.35E-12	6.67E-11
5475	743271.32	4112042.13	2.84E-10	5.17E-10	2.84E-11	8.28E-10	4.40E-11	8.47E-11	4.25E-12	1.33E-10	4.28E-11	7.29E-11	5.40E-12	1.21E-10	2.43E-11	4.02E-11	1.33E-12	6.58E-11
5476	743291.43	4112028.63	2.80E-10	5.10E-10	2.80E-11	8.18E-10	4.34E-11	8.36E-11	4.20E-12	1.31E-10	4.22E-11	7.19E-11	5.33E-12	1.19E-10	2.40E-11	3.97E-11	1.31E-12	6.50E-11
5477	743311.54	4112015.14	2.76E-10	5.03E-10	2.76E-11	8.07E-10	4.28E-11	8.25E-11	4.15E-12	1.30E-10	4.17E-11	7.10E-11	5.27E-12	1.18E-10	2.37E-11	3.92E-11	1.30E-12	6.42E-11
5478	743331.65	4112001.65	2.73E-10	4.98E-10	2.73E-11	7.99E-10	4.24E-11	8.16E-11	4.10E-12	1.28E-10	4.12E-11	7.03E-11	5.21E-12	1.17E-10	2.34E-11	3.87E-11	1.28E-12	6.35E-11
5479	743351.76	4111988.16	2.71E-10	4.94E-10	2.71E-11	7.92E-10	4.20E-11	8.10E-11	4.07E-12	1.27E-10	4.09E-11	6.97E-11	5.16E-12	1.16E-10	2.32E-11	3.84E-11	1.27E-12	6.29E-11
5480	743371.87	4111974.66	2.70E-10	4.92E-10	2.70E-11	7.89E-10	4.18E-11	8.06E-11	4.05E-12	1.27E-10	4.07E-11	6.94E-11	5.14E-12	1.15E-10	2.31E-11	3.83E-11	1.27E-12	6.26E-11
5481	743391.98	4111961.17	2.70E-10	4.92E-10	2.70E-11	7.89E-10	4.19E-11	8.07E-11	4.05E-12	1.27E-10	4.07E-11	6.94E-11	5.15E-12	1.15E-10	2.31E-11	3.83E-11	1.27E-12	6.27E-11
5482	743412.09	4111947.68	2.72E-10	4.96E-10	2.72E-11	7.96E-10	4.22E-11	8.13E-11	4.09E-12	1.28E-10	4.11E-11	7.00E-11	5.19E-12	1.16E-10	2.33E-11	3.86E-11	1.28E-12	6.32E-11
5483	743432.2	4111934.19	2.76E-10	5.04E-10	2.77E-11	8.08E-10	4.29E-11	8.26E-11	4.15E-12	1.30E-10	4.17E-11	7.11E-11	5.27E-12	1.18E-10	2.37E-11	3.92E-11	1.30E-12	6.42E-11
5484	743452.31	4111920.7	2.83E-10	5.15E-10	2.83E-11	8.26E-10	4.38E-11	8.44E-11	4.24E-12	1.33E-10	4.26E-11	7.27E-11	5.39E-12	1.21E-10	2.42E-11	4.01E-11	1.33E-12	6.56E-11
5485	743472.42	4111907.2	2.91E-10	5.30E-10	2.91E-11	8.51E-10	4.51E-11	8.70E-11	4.37E-12	1.36E-10	4.39E-11	7.48E-11	5.55E-12	1.24E-10	2.49E-11	4.13E-11	1.37E-12	6.76E-11
5486	743410.21	4112419.38	2.41E-10	4.39E-10	2.41E-11	7.04E-10	3.73E-11	7.19E-11	3.61E-12	1.13E-10	3.63E-11	6.19E-11	4.59E-12	1.03E-10	2.06E-11	3.41E-11	1.13E-12	5.59E-11
5487	743386.57	4112423.98	2.44E-10	4.44E-10	2.44E-11	7.12E-10	3.78E-11	7.28E-11	3.66E-12	1.14E-10	3.67E-11	6.26E-11	4.64E-12	1.04E-10	2.09E-11	3.45E-11	1.15E-12	5.66E-11
5488	743362.93	4112428.59	2.46E-10	4.48E-10	2.46E-11	7.19E-10	3.81E-11	7.35E-11	3.69E-12	1.15E-10	3.71E-11	6.32E-11	4.69E-12	1.05E-10	2.11E-11	3.49E-11	1.16E-12	5.71E-11
5489	743339.29	4112433.2	2.48E-10	4.51E-10	2.48E-11	7.23E-10	3.84E-11	7.40E-11	3.72E-12	1.16E-10	3.73E-11	6.36E-11	4.72E-12	1.06E-10	2.12E-11	3.51E-11	1.16E-12	5.75E-11
5490	743315.65	4112437.8	2.49E-10	4.53E-10	2.49E-11	7.27E-10	3.86E-11	7.43E-11	3.73E-12	1.17E-10	3.75E-11	6.40E-11	4.74E-12	1.06E-10	2.13E-11	3.53E-11	1.17E-12	5.78E-11
5491	743292.01	4112442.41	2.50E-10	4.55E-10	2.50E-11	7.29E-10	3.87E-11	7.46E-11	3.75E-12	1.17E-10	3.76E-11	6.42E-11	4.76E-12	1.07E-10	2.14E-11	3.54E-11	1.17E-12	5.79E-11
5492	743268.37	4112447.02	2.50E-10	4.55E-10	2.50E-11	7.30E-10	3.87E-11	7.46E-11	3.75E-12	1.17E-10	3.77E-11	6.42E-11	4.76E-12	1.07E-10	2.14E-11	3.54E-11	1.17E-12	5.80E-11
5493	743244.74	4112451.62	2.49E-10	4.54E-10	2.50E-11	7.29E-10	3.87E-11	7.45E-11	3.74E-12	1.17E-10	3.76E-11	6.41E-11	4.75E-12	1.06E-10	2.14E-11	3.54E-11	1.17E-12	5.79E-11
5494	743221.1	4112456.23	2.49E-10	4.53E-10	2.49E-11	7.27E-10	3.86E-11	7.43E-11	3.73E-12	1.17E-10	3.75E-11	6.40E-11	4.74E-12	1.06E-10	2.13E-11	3.53E-11	1.17E-12	5.78E-11
5495	743197.46	4112460.84	2.48E-10	4.51E-10	2.48E-11	7.24E-10	3.84E-11	7.40E-11	3.72E-12	1.16E-10	3.74E-11	6.37E-11	4.72E-12	1.06E-10	2.12E-11	3.51E-11	1.16E-12	5.75E-11
5496	743173.82	4112465.44	2.47E-10	4.49E-10	2.47E-11	7.21E-10	3.83E-11	7.37E-11	3.70E-12	1.16E-10	3.72E-11	6.34E-11	4.70E-12	1.05E-10	2.11E-11	3.50E-11	1.16E-12	5.73E-11
5497	743150.18	4112470.05	2.45E-10	4.47E-10	2.46E-11	7.17E-10	3.81E-11	7.33E-11	3.68E-12	1.15E-10	3.70E-11	6.31E-11	4.68E-12	1.05E-10	2.10E-11	3.48E-11	1.15E-12	5.70E-11
5498	743126.54	4112474.66	2.44E-10	4.45E-10	2.45E-11	7.14E-10	3.79E-11	7.30E-11	3.67E-12	1.15E-10	3.69E-11	6.28E-11	4.66E-12	1.04E-10	2.09E-11	3.46E-11	1.15E-12	5.67E-11
5499	743102.9	4112479.27	2.42E-10	4.41E-10	2.42E-11	7.07E-10	3.75E-11	7.23E-11	3.63E-12	1.13E-10	3.65E-11	6.22E-11	4.61E-12	1.03E-10	2.07E-11	3.43E-11	1.14E-12	5.62E-11
5500	743079.27	4112483.87	2.44E-10	4.45E-10	2.44E-11	7.13E-10	3.78E-11	7.29E-11	3.66E-12	1.14E-10	3.68E-11	6.27E-11	4.65E-12	1.04E-10	2.09E-11	3.46E-11	1.15E-12	5.66E-11
5501	743055.63	4112488.48	2.45E-10	4.46E-10	2.45E-11	7.15E-10	3.79E-11	7.31E-11	3.67E-12	1.15E-10	3.69E-11	6.29E-11	4.66E-12	1.04E-10	2.10E-11	3.47E-11	1.15E-12	5.68E-11
5502	743031.99	4112493.09	2.46E-10	4.48E-10	2.46E-11	7.18E-10	3.81E-11	7.34E-11	3.69E-12	1.15E-10	3.70E-11	6.32E-11	4.68E-12	1.05E-10	2.11E-11	3.48E-11	1.15E-12	5.70E-11
5503	743008.35	4112497.69	2.47E-10	4.51E-10	2.47E-11	7.23E-10	3.83E-11	7.39E-11	3.71E-12	1.16E-10	3.73E-11	6.36E-11	4.71E-12	1.06E-10	2.12E-11	3.51E-11	1.16E-12	5.74E-11
5504	742984.71	4112502.3	2.50E-10	4.55E-10	2.50E-11	7.29E-10	3.87E-11	7.46E-11	3.75E-12	1.17E-10	3.76E-11	6.42E-11	4.76E-12	1.07E-10	2.14E-11	3.54E-11	1.17E-12	5.79E-11
5505	742961.07	4112506.91	2.52E-10	4.60E-10	2.53E-11	7.38E-10	3.91E-11	7.54E-11	3.79E-12	1.18E-10	3.81E-11	6.49E-11	4.81E-12	1.08E-10	2.16E-11	3.58E-11	1.19E-12	5.86E-11
5506	742937.43	4112511.51	2.56E-10	4.66E-10	2.56E-11	7.48E-10	3.97E-11	7.64E-11	3.84E-12	1.20E-10	3.86E-11	6.58E-11	4.88E-12	1.09E-10	2.19E-11	3.63E-11	1.20E-12	5.94E-11
5507	742913.8	4112516.12	2.60E-10	4.74E-10	2.60E-11	7.60E-10	4.03E-11	7.77E-11	3.90E-12	1.22E-10	3.92E-11	6.69E-11	4.96E-12	1.11E-10	2.23E-11	3.69E-11	1.22E-12	6.04E-11
5508	742890.16	4112520.73	2.65E-10	4.83E-10	2.65E-11	7.74E-10	4.11E-11	7.91E-11	3.97E-12	1.24E-10	3.99E-11	6.81E-11	5.05E-12	1.13E-10	2.27E-11	3.75E-11	1.24E-12	6.15E-11
5509	742866.52	4112525.33	2.70E-10	4.92E-10	2.70E-11	7.89E-10	4.19E-11	8.07E-11	4.05E-12	1.27E-10	4.07E-11	6.94E-11	5.15E-12	1.15E-10	2.31E-11	3.83E-11	1.27E-12	6.27E-11
5510	742842.88	4112529.94	2.76E-10	5.03E-10	2.76E-11	8.07E-10	4.28E-11	8.25E-11	4.14E-12	1.29E-10	4.16E-11	7.10E-11	5.26E-12	1.18E-10	2.37E-11	3.91E-11	1.30E-12	6.41E-11
5511	742819.24	4112534.55	2.82E-10	5.15E-10	2.83E-11	8.26E-10	4.38E-11	8.44E-11	4.24E-12	1.32E-10	4.26E-11	7.26E-11	5.38E-12	1.21E-10	2.42E-11	4.01E-11	1.33E-12	6.56E-11
5512	742795.6	4112539.15	2.90E-10	5.28E-10	2.90E-11	8.47E-10	4.49E-11	8.66E-11	4.35E-12	1.36E-10	4.37E-11	7.45E-11	5.52E-12	1.24E-10	2.48E-11	4.11E-11	1.36E-12	6.73E-11
5513	742771.96	4112543.76	2.97E-10	5.42E-10	2.97E-11	8.69E-10	4.61E-11	8.88E-11	4.46E-12	1.39E-10	4.48E-11	7.64E-11	5.67E-12	1.27E-10	2.55E-11	4.22E-11	1.40E-12	6.90E-11
5514	742748.33	4112548.37	3.05E-10	5.56E-10	3.05E-11	8.92E-10	4.73E-11	9.12E-11	4.58E-12	1.43E-10	4.60E-11	7.85E-11	5.82E-12	1.30E-10	2.62E-11	4.33E-11	1.43E-12	7.09E-11
5515	742724.69	4112552.98	3.13E-10	5.71E-10	3.14E-11	9.16E-10	4.86E-11	9.36E-11	4.70E-12	1.47E-10	4.73E-11	8.06E-11	5.97E-12	1.34E-10	2.69E-11	4.44E-11	1.47E-12	7.28E-11
5516	742701.05	4112557.58	3.21E-10	5.86E-10	3.22E-11	9.39E-10	4.99E-11	9.60E-11	4.82E-12	1.51E-10	4.85E-11	8.26E-11	6.13E-12	1.37E-10	2.75E-11	4.56E-11	1.51E-12	7.46E-11
5517	742677.41	4112562.19	3.30E-10	6.00E-10	3.30E-11	9.63E-10	5.11E-11	9.84E-11	4.95E-12	1.54E-10	4.97E-11	8.47E-11	6.28E-12	1.41E-10	2.82E-11	4.67E-11	1.55E-12	7.65E-11
5518	742653.77	4112566.8	3.38E-10	6.15E-10	3.38E-11	9.86E-10	5.24E-11	1.01E-10	5.07E-12	1.58E-10	5.09E-11	8.68E-11	6.43E-12	1.44E-10	2.89E-11	4.79E-11	1.59E-12	7.84E-11
5519	742630.13	4112571.4	3.46E-10	6.30E-10	3.46E-11	1.01E-09	5.36E-11	1.03E-10	5.19E-12	1.62E-10	5.21E-11	8.89E-11	6.59E-12	1.48E-10	2.96E-11	4.90E-11	1.62E-12	8.02E-11
5520	742606.49	4112576.01	3.53E-10	6.44E-10	3.53E-11	1.03E-09	5.48E-11	1.06E-10	5.30E-12	1.66E-10	5.33E-11	9.08E-11	6.73E-12	1.51E-10	3.03E-11	5.01E-11	1.66E-12	8.20E-11
5521	742582.86	4112580.62	3.60E-10	6.57E-10	3.61E-11	1.05E-09	5.59E-11	1.08E-10	5.41E-12	1.69E-10	5.44E-11	9.27E-11	6.87E-12	1.54E-10	3.09E-11	5.11E-11	1.69E-12	8.37E-11
5522	742559.22	4112585.22	3.67E-10	6.68E-10	3.67E-11	1.07E-09	5.69E-11	1.10E-10	5.50E-12	1.72E-10	5.53E-11	9.43E-11	6.99E-12	1.57E-10	3.14E-11	5.20E-11	1.72E-12	8.52E-11
5523	742535.58	4112589.83	3.72E-10	6.78E-10	3.72E-11	1.09E-09	5.77E-11	1.11E-10	5.59E-12	1.75E-10	5.61E-11	9.57E-11	7.09E-12	1.59E-10	3.19E-11	5.28E-11	1.75E-12	8.64E-11
5524	742511.94	4112594.44	3.77E-10	6.87E-10	3.77E-11	1.10E-09	5.84E-11	1.13E-10	5.66E-12	1.77E-10	5.68E-11	9.69E-11	7.18E-12	1.61E-10	3.23E-11	5.34E-11	1.77E-12	8.75E-11
5525	742488.3	4112599.04	3.80E-10	6.93E-10	3.81E-11	1.11E-09	5.90E-11	1.14E-10	5.71E-12	1.78E-10	5.73E-11	9.78E-11	7.25E-12	1.62E-10	3.26E-11	5.39E-11	1.79E-12	8.83E-11
5526	742464.66	4112603.65	3.83E-10	6.97E-10	3.83E-11	1.12E-09	5.94E-11	1.14E-10	5.74E-12	1.79E-10	5.77E-11	9.84E-11	7.29E-12	1.63E-10	3.28E-11	5.43E-11	1.80E-12	8.89E-11
5527	742441.02	4112608.26	3.84E-10	7.00E-10	3.85E-11	1.12E-09	5.96E-11	1.15E-10	5.77E-12	1.80E-10	5.80E-11	9.88E-11	7.32E-12	1.64E-10	3.29E-11	5.45E-11	1.81E-12	8.92E-11
5528	742417.39	4112612.86	3.85E-10	7.01E-10	3.85E-11	1.12E-09	5.97E-11	1.15E-10	5.78E-12	1.80E-10	5.80E-11	9.89E-11	7.33E-12	1.64E-10	3.30E-11	5.46E-11	1.81E-12	8.94E-11
5529	742393.75	4112617.47	3.85E-10	7.01E-10	3.85E-11	1.12E-09	5.97E-11	1.15E-10	5.77E-12	1.80E-10	5.80E-11	9.89E-11	7.33E-12	1.64E-10	3.30E-11	5.46E-11	1.81E-12	8.93E-11
5530	742370.11	4112622.08	3.84E-10	7.00E-10	3.84E-11	1.12E-09	5.96E-11	1.15E-10	5.76E-12	1.80E-10	5.79E-11	9.87E-11	7.32E-12	1.64E-10	3.29E-11	5.45E-11	1.80E-12	8.92E-11
5531	742346.47	4112626.68	3.83E-10	6.98E-10	3.83E-11	1.12E-09	5.94E-11	1.14E-10	5.75E-12	1.80E-10	5.78E-11	9.85E-11	7.30E-12	1.64E-10	3.28E-11	5.43E-11	1.80E-12	8.89E-11
5532	742322.83	4112631.29	3.82E-10	6.96E-10	3.82E-11	1.12E-09	5.92E-11	1.14E-10	5.73E-12	1.79E-10	5.76E-11	9.81E-11	7.27E-12	1.63E-10	3.27E-11	5.41E-11	1.79E-12	8.86E-11
5533	742299.19	4112635.9	3.80E-10	6.93E-10	3.81E-11	1.11E-09	5.90E-11	1.14E-10	5.71E-12	1.78E-10	5.74E-11	9.78E-11	7.25E-12	1.62E-10	3.26E-11	5.39E-11	1.79E-12	8.83E-11
5534	742275.55	4112640.51	3.79E-10	6.91E-10	3.80E-11	1.11E-09	5.88E-11	1.13E-10	5.69E-12	1.78E-10	5.72E-11	9.75E-11	7.23E-12	1.62E-10	3.25E-11	5.38E-11	1.78E-12	8.81E-11
5535	742251.92	4112645.11	3.78E-10	6.90E-10	3.79E-11	1.11E-09	5.87E-11	1.13E-10	5.68E-12	1.77E-10	5.71E-11	9.73E-11	7.21E-12	1.62E-10	3.24E-11	5.37E-11	1.78E-12	8.79E-11
5536	742228.28	4112649.72	3.78E-10	6.89E-10	3.78E-11	1.11E-09	5.86E-11	1.13E-10	5.68E-12	1.77E-10	5.70E-11	9.72E-11	7.21E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.78E-11
5537	742204.64	4112654.33	3.78E-10	6.89E-10	3.78E-11	1.11E-09	5.86E-11	1.13E-10	5.68E-12	1.77E-10	5.70E-11	9.72E-11	7.21E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.78E-11
5538	742181	4112658.93	3.79E-10	6.90E-10	3.79E-11	1.11E-09	5.87E-11	1.13E-10	5.68E-12	1.77E-10	5.71E-11	9.73E-11	7.21E-12	1.62E-10	3.24E-11	5.37E-11	1.78E-12	8.79E-11
5539	742157.36	4112663.54	3.80E-10	6.92E-10	3.80E-11	1.11E-09	5.89E-11	1.13E-10	5.70E-12	1.78E-10	5.73E-11	9.76E-11	7.24E-12	1.62E-10	3.25E-11	5.38E-11	1.78E-12	8.82E-11
5540	742133.72	4112668.15	3.81E-10	6.95E-10	3.82E-11	1.11E-09	5.91E-11	1.14E-10	5.72E-12	1.79E-10	5.75E-11	9.80E-11	7.27E-12	1.63E-10	3.27E-11	5.41E-11	1.79E-12	8.85E-11
5541	742110.08	4112672.75	3.83E-10	6.99E-10	3.84E-11	1.12E-09	5.95E-11	1.15E-10	5.76E-12	1.80E-10	5.78E-11	9.86E-11	7.31E-12	1.64E-10	3.29E-11	5.44E-11	1.80E-12	8.90E-11
5542	742086.45	4112677.36	3.86E-10	7.03E-10	3.86E-11	1.13E-09	5.99E-11	1.15E-10	5.79E-12	1.81E-10	5.82E-11	9.92E-11	7.36E-12	1.65E-10	3.31E-11	5.47E-11	1.81E-12	8.96E-11
5543	742062.81	4112681.97	3.89E-10	7.09E-10	3.89E-11	1.14E-09	6.04E-11	1.16E-10	5.84E-12	1.82E-10	5.87E-11	1.00E-10	7.42E-12	1.66E-10	3.34E-11	5.52E-11	1.83E-12	9.04E-11
5544	742039.17	4112686.57	3.93E-10	7.16E-10	3.93E-11	1.15E-09	6.09E-11	1.17E-10	5.90E-12	1.84E-10	5.92E-11	1.01E-10	7.49E-12	1.68E-10	3.37E-11	5.57E-11	1.85E-12	9.12E-11
5545	742015.53	4112691.18	3.97E-10	7.23E-10	3.97E-11	1.16E-09	6.15E-11	1.19E-10	5.96E-12	1.86E-10	5.98E-11	1.02E-10	7.56E-12	1.69E-10	3.40E-11	5.63E-11	1.86E-12	9.21E-11
5546	741991.89	4112695.79	4.01E-10	7.31E-10	4.01E-11	1.17E-09	6.22E-11	1.20E-10	6.02E-12	1.88E-10	6.05E-11	1.03E-10	7.64E-12	1.71E-10	3.44E-11	5.69E-11	1.88E-12	9.31E-11
5547	741968.25	4112700.39	4.05E-10	7.39E-10	4.06E-11	1.18E-09	6.29E-11	1.21E-10	6.08E-12	1.90E-10	6.11E-11	1.04E-10	7.72E-12	1.73E-10	3.47E-11	5.75E-11	1.90E-12	9.41E-11
5548	741944.61	4112705	4.10E-10	7.47E-10	4.10E-11	1.20E-09	6.35E-11	1.22E-10	6.15E-12	1.92E-10	6.18E-11	1.05E-10	7.81E-12	1.75E-10	3.51E-11	5.81E-11	1.93E-12	9.51E-11
5549	741920.98	4112709.61	4.14E-10	7.55E-10	4.15E-11	1.21E-09	6.43E-11	1.24E-10	6.22E-12	1.94E-10	6.25E-11	1.07E-10	7.90E-12	1.77E-10	3.55E-11	5.88E-11	1.95E-12	9.62E-11
5550	741897.34	4112714.22	4.19E-10	7.63E-10	4.19E-11	1.22E-09	6.50E-11	1.25E-10	6.29E-12	1.96E-10	6.32E-11	1.08E-10	7.98E-12	1.79E-10	3.59E-11	5.94E-11	1.97E-12	9.72E-11
5551	741873.7	4112718.82	4.23E-10	7.71E-10	4.23E-11	1.24E-09	6.56E-11	1.26E-10	6.35E-12	1.98E-10	6.38E-11	1.09E-10	8.06E-12	1.81E-10	3.62E-11	6.00E-11	1.99E-12	9.82E-11
5552	741850.06	4112723.43	4.27E-10	7.78E-10	4.27E-11	1.25E-09	6.62E-11	1.28E-10	6.41E-12	2.00E-10	6.44E-11	1.10E-10	8.13E-12	1.82E-10	3.66E-11	6.05E-11	2.01E-12	9.91E-11
5553	741826.42	4112728.04	4.31E-10	7.85E-10	4.31E-11	1.26E-09	6.68E-11	1.29E-10	6.47E-12	2.02E-10	6.50E-11	1.11E-10	8.21E-12	1.84E-10	3.69E-11	6.11E-11	2.02E-12	1.00E-10
5554	741802.78	4112732.64	4.34E-10	7.92E-10	4.35E-11	1.27E-09	6.74E-11	1.30E-10	6.52E-12	2.04E-10	6.55E-11	1.12E-10	8.28E-12	1.85E-10	3.72E-11	6.16E-11	2.04E-12	1.01E-10
5555	741779.14	4112737.25	4.38E-10	7.97E-10	4.38E-11	1.28E-09	6.79E-11	1.31E-10	6.57E-12	2.05E-10	6.60E-11	1.12E-10	8.34E-12	1.87E-10	3.75E-11	6.20E-11	2.06E-12	1.02E-10
5556	741755.51	4112741.86	4.41E-10	8.03E-10	4.41E-11	1.29E-09	6.83E-11	1.32E-10	6.61E-12	2.07E-10	6.65E-11	1.13E-10	8.40E-12	1.88E-10	3.78E-11	6.25E-11	2.07E-12	1.02E-10
5557	741731.87	4112746.46	4.44E-10	8.08E-10	4.44E-11	1.30E-09	6.88E-11	1.33E-10	6.66E-12	2.08E-10	6.69E-11	1.14E-10	8.45E-12	1.89E-10	3.80E-11	6.29E-11	2.08E-12	1.03E-10
5558	741708.23	4112751.07	4.46E-10	8.13E-10	4.46E-11	1.30E-09	6.92E-11	1.33E-10	6.70E-12	2.09E-10	6.73E-11	1.15E-10	8.50E-12	1.90E-10	3.82E-11	6.33E-11	2.10E-12	1.04E-10
5559	741684.59	4112755.68	4.49E-10	8.18E-10	4.49E-11	1.31E-09	6.96E-11	1.34E-10	6.74E-12	2.10E-10	6.77E-11	1.15E-10	8.55E-12	1.92E-10	3.85E-11	6.37E-11	2.11E-12	1.04E-10
5560	741660.95	4112760.28	4.51E-10	8.22E-10	4.52E-11	1.32E-09	7.00E-11	1.35E-10	6.77E-12	2.12E-10	6.81E-11	1.16E-10	8.60E-12	1.93E-10	3.87E-11	6.40E-11	2.12E-12	1.05E-10
5561	741637.31	4112764.89	4.54E-10	8.27E-10	4.54E-11	1.33E-09	7.04E-11	1.36E-10	6.81E-12	2.13E-10	6.85E-11	1.17E-10	8.65E-12	1.94E-10	3.89E-11	6.44E-11	2.13E-12	1.05E-10
5562	741613.67	4112769.5	4.57E-10	8.32E-10	4.57E-11	1.33E-09	7.08E-11	1.36E-10	6.85E-12	2.14E-10	6.89E-11	1.17E-10	8.70E-12	1.95E-10	3.91E-11	6.48E-11	2.15E-12	1.06E-10
5563	741590.04	4112774.1	4.59E-10	8.37E-10	4.60E-11	1.34E-09	7.12E-11	1.37E-10	6.89E-12	2.15E-10	6.93E-11	1.18E-10	8.75E-12	1.96E-10	3.94E-11	6.51E-11	2.16E-12	1.07E-10
5564	741566.4	4112778.71	4.62E-10	8.42E-10	4.62E-11	1.35E-09	7.16E-11	1.38E-10	6.93E-12	2.17E-10	6.97E-11	1.19E-10	8.80E-12	1.97E-10	3.96E-11	6.55E-11	2.17E-12	1.07E-10

5565	741542.76	4112783.32	4.64E-10	8.46E-10	4.65E-11	1.36E-09	7.20E-11	1.39E-10	6.97E-12	2.18E-10	7.00E-11	1.19E-10	8.85E-12	1.98E-10	3.98E-11	6.59E-11	2.18E-12	1.08E-10
5566	741519.12	4112787.93	4.67E-10	8.51E-10	4.67E-11	1.36E-09	7.24E-11	1.39E-10	7.01E-12	2.19E-10	7.04E-11	1.20E-10	8.89E-12	1.99E-10	4.00E-11	6.62E-11	2.19E-12	1.08E-10
5567	741495.48	4112792.53	4.69E-10	8.54E-10	4.69E-11	1.37E-09	7.27E-11	1.40E-10	7.03E-12	2.20E-10	7.07E-11	1.20E-10	8.93E-12	2.00E-10	4.02E-11	6.64E-11	2.20E-12	1.09E-10
5568	741471.84	4112797.14	4.70E-10	8.57E-10	4.70E-11	1.37E-09	7.29E-11	1.40E-10	7.06E-12	2.20E-10	7.09E-11	1.21E-10	8.96E-12	2.01E-10	4.03E-11	6.67E-11	2.21E-12	1.09E-10
5569	741448.2	4112801.75	4.71E-10	8.59E-10	4.71E-11	1.38E-09	7.31E-11	1.41E-10	7.07E-12	2.21E-10	7.11E-11	1.21E-10	8.98E-12	2.01E-10	4.04E-11	6.68E-11	2.21E-12	1.09E-10
5570	741424.56	4112806.35	4.72E-10	8.59E-10	4.72E-11	1.38E-09	7.31E-11	1.41E-10	7.08E-12	2.21E-10	7.11E-11	1.21E-10	8.99E-12	2.01E-10	4.04E-11	6.69E-11	2.22E-12	1.10E-10
5571	741400.93	4112810.96	4.72E-10	8.59E-10	4.72E-11	1.38E-09	7.31E-11	1.41E-10	7.08E-12	2.21E-10	7.11E-11	1.21E-10	8.99E-12	2.01E-10	4.04E-11	6.69E-11	2.22E-12	1.10E-10
5572	741357.47	4112801.88	4.74E-10	8.63E-10	4.74E-11	1.38E-09	7.35E-11	1.42E-10	7.11E-12	2.22E-10	7.14E-11	1.22E-10	9.03E-12	2.02E-10	4.06E-11	6.72E-11	2.23E-12	1.10E-10
5573	741337.66	4112788.19	4.76E-10	8.68E-10	4.77E-11	1.39E-09	7.39E-11	1.42E-10	7.15E-12	2.23E-10	7.18E-11	1.22E-10	9.08E-12	2.03E-10	4.08E-11	6.75E-11	2.24E-12	1.11E-10
5574	741317.84	4112774.51	4.79E-10	8.72E-10	4.79E-11	1.40E-09	7.42E-11	1.43E-10	7.18E-12	2.24E-10	7.22E-11	1.23E-10	9.12E-12	2.04E-10	4.10E-11	6.79E-11	2.25E-12	1.11E-10
5575	741298.02	4112760.82	4.81E-10	8.76E-10	4.81E-11	1.40E-09	7.45E-11	1.44E-10	7.21E-12	2.25E-10	7.25E-11	1.24E-10	9.16E-12	2.05E-10	4.12E-11	6.82E-11	2.26E-12	1.12E-10
5576	741278.21	4112747.13	4.83E-10	8.80E-10	4.83E-11	1.41E-09	7.49E-11	1.44E-10	7.24E-12	2.26E-10	7.28E-11	1.24E-10	9.20E-12	2.06E-10	4.14E-11	6.84E-11	2.27E-12	1.12E-10
5577	741258.39	4112733.44	4.85E-10	8.84E-10	4.85E-11	1.42E-09	7.52E-11	1.45E-10	7.28E-12	2.27E-10	7.31E-11	1.25E-10	9.24E-12	2.07E-10	4.15E-11	6.87E-11	2.28E-12	1.13E-10
5578	741238.58	4112719.76	4.87E-10	8.88E-10	4.88E-11	1.42E-09	7.56E-11	1.46E-10	7.31E-12	2.28E-10	7.35E-11	1.25E-10	9.29E-12	2.08E-10	4.18E-11	6.91E-11	2.29E-12	1.13E-10
5579	741218.76	4112706.07	4.90E-10	8.93E-10	4.90E-11	1.43E-09	7.60E-11	1.46E-10	7.35E-12	2.30E-10	7.39E-11	1.26E-10	9.34E-12	2.09E-10	4.20E-11	6.95E-11	2.30E-12	1.14E-10
5580	741198.94	4112692.38	4.93E-10	8.98E-10	4.93E-11	1.44E-09	7.65E-11	1.47E-10	7.40E-12	2.31E-10	7.44E-11	1.27E-10	9.40E-12	2.11E-10	4.23E-11	6.99E-11	2.32E-12	1.14E-10
5581	741179.13	4112678.7	4.97E-10	9.05E-10	4.97E-11	1.45E-09	7.70E-11	1.48E-10	7.45E-12	2.33E-10	7.49E-11	1.28E-10	9.46E-12	2.12E-10	4.26E-11	7.04E-11	2.33E-12	1.15E-10
5582	741159.31	4112665.01	5.01E-10	9.12E-10	5.01E-11	1.46E-09	7.76E-11	1.50E-10	7.51E-12	2.35E-10	7.55E-11	1.29E-10	9.54E-12	2.14E-10	4.29E-11	7.10E-11	2.35E-12	1.16E-10
5583	741139.5	4112651.32	5.05E-10	9.20E-10	5.05E-11	1.48E-09	7.83E-11	1.51E-10	7.58E-12	2.37E-10	7.61E-11	1.30E-10	9.62E-12	2.16E-10	4.33E-11	7.16E-11	2.37E-12	1.17E-10
5584	741119.68	4112637.63	5.10E-10	9.29E-10	5.10E-11	1.49E-09	7.90E-11	1.52E-10	7.65E-12	2.39E-10	7.68E-11	1.31E-10	9.71E-12	2.18E-10	4.37E-11	7.23E-11	2.39E-12	1.18E-10
5585	741099.87	4112623.95	5.14E-10	9.37E-10	5.15E-11	1.50E-09	7.98E-11	1.54E-10	7.72E-12	2.41E-10	7.76E-11	1.32E-10	9.80E-12	2.20E-10	4.41E-11	7.29E-11	2.42E-12	1.19E-10
5586	741080.05	4112610.26	5.19E-10	9.46E-10	5.19E-11	1.52E-09	8.05E-11	1.55E-10	7.79E-12	2.43E-10	7.83E-11	1.33E-10	9.89E-12	2.22E-10	4.45E-11	7.36E-11	2.44E-12	1.20E-10
5587	741060.23	4112596.57	5.23E-10	9.54E-10	5.24E-11	1.53E-09	8.11E-11	1.56E-10	7.85E-12	2.45E-10	7.89E-11	1.35E-10	9.97E-12	2.23E-10	4.48E-11	7.42E-11	2.46E-12	1.21E-10
5588	741040.42	4112582.89	5.27E-10	9.61E-10	5.28E-11	1.54E-09	8.18E-11	1.58E-10	7.92E-12	2.47E-10	7.95E-11	1.36E-10	1.01E-11	2.25E-10	4.52E-11	7.48E-11	2.48E-12	1.22E-10
5589	741020.6	4112569.2	5.31E-10	9.67E-10	5.31E-11	1.55E-09	8.23E-11	1.59E-10	7.97E-12	2.49E-10	8.01E-11	1.36E-10	1.01E-11	2.27E-10	4.55E-11	7.53E-11	2.49E-12	1.23E-10
5590	741000.79	4112555.51	5.34E-10	9.73E-10	5.34E-11	1.56E-09	8.28E-11	1.59E-10	8.01E-12	2.50E-10	8.05E-11	1.37E-10	1.02E-11	2.28E-10	4.57E-11	7.57E-11	2.51E-12	1.24E-10
5591	740980.97	4112541.82	5.36E-10	9.76E-10	5.36E-11	1.57E-09	8.31E-11	1.60E-10	8.04E-12	2.51E-10	8.08E-11	1.38E-10	1.02E-11	2.29E-10	4.59E-11	7.60E-11	2.52E-12	1.24E-10
5592	740961.15	4112528.14	5.37E-10	9.78E-10	5.37E-11	1.57E-09	8.33E-11	1.60E-10	8.06E-12	2.52E-10	8.10E-11	1.38E-10	1.02E-11	2.29E-10	4.60E-11	7.61E-11	2.52E-12	1.25E-10
5593	740941.34	4112514.45	5.37E-10	9.79E-10	5.38E-11	1.57E-09	8.33E-11	1.60E-10	8.06E-12	2.52E-10	8.10E-11	1.38E-10	1.02E-11	2.29E-10	4.60E-11	7.62E-11	2.52E-12	1.25E-10
5594	740921.52	4112500.76	5.37E-10	9.78E-10	5.37E-11	1.57E-09	8.32E-11	1.60E-10	8.05E-12	2.52E-10	8.09E-11	1.38E-10	1.02E-11	2.29E-10	4.60E-11	7.61E-11	2.52E-12	1.25E-10
5595	740901.71	4112487.08	5.35E-10	9.74E-10	5.35E-11	1.56E-09	8.29E-11	1.60E-10	8.03E-12	2.51E-10	8.06E-11	1.37E-10	1.02E-11	2.28E-10	4.58E-11	7.58E-11	2.51E-12	1.24E-10
5596	740881.89	4112473.39	5.32E-10	9.69E-10	5.32E-11	1.55E-09	8.25E-11	1.59E-10	7.99E-12	2.49E-10	8.02E-11	1.37E-10	1.01E-11	2.27E-10	4.56E-11	7.54E-11	2.50E-12	1.24E-10
5597	740862.07	4112459.7	5.29E-10	9.63E-10	5.29E-11	1.54E-09	8.20E-11	1.58E-10	7.93E-12	2.48E-10	7.97E-11	1.36E-10	1.01E-11	2.26E-10	4.53E-11	7.49E-11	2.48E-12	1.23E-10
5598	740842.26	4112446.01	5.24E-10	9.55E-10	5.25E-11	1.53E-09	8.13E-11	1.57E-10	7.87E-12	2.46E-10	7.91E-11	1.35E-10	9.99E-12	2.24E-10	4.49E-11	7.43E-11	2.46E-12	1.22E-10
5599	740822.44	4112432.33	5.20E-10	9.47E-10	5.20E-11	1.52E-09	8.06E-11	1.55E-10	7.80E-12	2.44E-10	7.83E-11	1.34E-10	9.90E-12	2.22E-10	4.45E-11	7.37E-11	2.44E-12	1.21E-10
5600	740802.63	4112418.64	5.15E-10	9.38E-10	5.15E-11	1.50E-09	7.98E-11	1.54E-10	7.72E-12	2.41E-10	7.76E-11	1.32E-10	9.80E-12	2.20E-10	4.41E-11	7.30E-11	2.42E-12	1.19E-10
5601	740782.81	4112404.95	5.09E-10	9.28E-10	5.10E-11	1.49E-09	7.90E-11	1.52E-10	7.64E-12	2.39E-10	7.68E-11	1.31E-10	9.71E-12	2.17E-10	4.36E-11	7.22E-11	2.39E-12	1.18E-10
5602	740763	4112391.27	5.05E-10	9.19E-10	5.05E-11	1.47E-09	7.82E-11	1.51E-10	7.57E-12	2.37E-10	7.61E-11	1.30E-10	9.62E-12	2.15E-10	4.32E-11	7.15E-11	2.37E-12	1.17E-10
5603	740743.18	4112377.58	5.00E-10	9.12E-10	5.01E-11	1.46E-09	7.76E-11	1.49E-10	7.51E-12	2.35E-10	7.55E-11	1.29E-10	9.54E-12	2.14E-10	4.29E-11	7.10E-11	2.35E-12	1.16E-10
5604	740723.36	4112363.89	4.97E-10	9.06E-10	4.98E-11	1.45E-09	7.71E-11	1.49E-10	7.46E-12	2.33E-10	7.50E-11	1.28E-10	9.48E-12	2.12E-10	4.26E-11	7.05E-11	2.34E-12	1.15E-10
5605	740703.55	4112350.21	4.95E-10	9.03E-10	4.96E-11	1.45E-09	7.68E-11	1.48E-10	7.43E-12	2.32E-10	7.47E-11	1.27E-10	9.44E-12	2.11E-10	4.24E-11	7.02E-11	2.33E-12	1.15E-10
5606	740683.73	4112336.52	4.95E-10	9.03E-10	4.96E-11	1.45E-09	7.68E-11	1.48E-10	7.43E-12	2.32E-10	7.47E-11	1.27E-10	9.44E-12	2.11E-10	4.24E-11	7.02E-11	2.33E-12	1.15E-10
5607	740663.92	4112322.83	4.97E-10	9.06E-10	4.97E-11	1.45E-09	7.71E-11	1.49E-10	7.46E-12	2.33E-10	7.50E-11	1.28E-10	9.47E-12	2.12E-10	4.26E-11	7.05E-11	2.34E-12	1.15E-10
5608	740644.1	4112309.14	5.01E-10	9.13E-10	5.01E-11	1.46E-09	7.77E-11	1.50E-10	7.52E-12	2.35E-10	7.55E-11	1.29E-10	9.55E-12	2.14E-10	4.29E-11	7.10E-11	2.35E-12	1.16E-10
5609	740624.28	4112295.46	5.07E-10	9.24E-10	5.07E-11	1.48E-09	7.87E-11	1.52E-10	7.61E-12	2.38E-10	7.65E-11	1.30E-10	9.66E-12	2.17E-10	4.35E-11	7.19E-11	2.38E-12	1.18E-10
5610	740604.47	4112281.77	5.15E-10	9.39E-10	5.16E-11	1.51E-09	7.99E-11	1.54E-10	7.73E-12	2.42E-10	7.77E-11	1.32E-10	9.82E-12	2.20E-10	4.42E-11	7.31E-11	2.42E-12	1.20E-10
5611	740584.65	4112268.08	5.26E-10	9.58E-10	5.26E-11	1.54E-09	8.15E-11	1.57E-10	7.89E-12	2.46E-10	7.93E-11	1.35E-10	1.00E-11	2.24E-10	4.50E-11	7.45E-11	2.47E-12	1.22E-10
5612	740564.84	4112254.4	5.38E-10	9.79E-10	5.38E-11	1.57E-09	8.34E-11	1.61E-10	8.07E-12	2.52E-10	8.11E-11	1.38E-10	1.02E-11	2.29E-10	4.61E-11	7.62E-11	2.53E-12	1.25E-10
5613	740545.02	4112240.71	5.50E-10	1.00E-09	5.51E-11	1.61E-09	8.54E-11	1.64E-10	8.26E-12	2.58E-10	8.30E-11	1.41E-10	1.05E-11	2.35E-10	4.72E-11	7.80E-11	2.59E-12	1.28E-10
5614	740525.2	4112227.02	5.64E-10	1.03E-09	5.65E-11	1.65E-09	8.75E-11	1.69E-10	8.47E-12	2.65E-10	8.51E-11	1.45E-10	1.08E-11	2.41E-10	4.84E-11	8.00E-11	2.65E-12	1.31E-10
5615	740505.39	4112213.33	5.78E-10	1.05E-09	5.79E-11	1.69E-09	8.97E-11	1.73E-10	8.68E-12	2.71E-10	8.72E-11	1.49E-10	1.10E-11	2.47E-10	4.96E-11	8.20E-11	2.72E-12	1.34E-10
5616	740485.57	4112199.65	5.92E-10	1.08E-09	5.92E-11	1.73E-09	9.18E-11	1.77E-10	8.88E-12	2.77E-10	8.93E-11	1.52E-10	1.13E-11	2.53E-10	5.07E-11	8.39E-11	2.78E-12	1.37E-10
5617	740465.76	4112185.96	6.04E-10	1.10E-09	6.05E-11	1.77E-09	9.37E-11	1.81E-10	9.07E-12	2.83E-10	9.11E-11	1.55E-10	1.15E-11	2.58E-10	5.18E-11	8.57E-11	2.84E-12	1.40E-10
5618	740445.94	4112172.27	6.15E-10	1.12E-09	6.16E-11	1.80E-09	9.54E-11	1.84E-10	9.24E-12	2.89E-10	9.28E-11	1.58E-10	1.17E-11	2.63E-10	5.27E-11	8.73E-11	2.89E-12	1.43E-10
5619	740426.13	4112158.59	6.25E-10	1.14E-09	6.26E-11	1.83E-09	9.70E-11	1.87E-10	9.39E-12	2.93E-10	9.43E-11	1.61E-10	1.19E-11	2.67E-10	5.36E-11	8.87E-11	2.94E-12	1.45E-10
5620	740406.31	4112144.9	6.34E-10	1.15E-09	6.34E-11	1.85E-09	9.83E-11	1.89E-10	9.51E-12	2.97E-10	9.56E-11	1.63E-10	1.21E-11	2.71E-10	5.43E-11	8.99E-11	2.98E-12	1.47E-10
5621	740386.49	4112131.21	6.41E-10	1.17E-09	6.41E-11	1.87E-09	9.93E-11	1.91E-10	9.61E-12	3.00E-10	9.66E-11	1.65E-10	1.22E-11	2.73E-10	5.49E-11	9.08E-11	3.01E-12	1.49E-10
5622	740366.68	4112117.52	6.45E-10	1.18E-09	6.45E-11	1.88E-09	1.00E-10	1.93E-10	9.68E-12	3.02E-10	9.72E-11	1.66E-10	1.23E-11	2.75E-10	5.53E-11	9.14E-11	3.03E-12	1.50E-10
5623	740346.86	4112103.84	6.47E-10	1.18E-09	6.48E-11	1.89E-09	1.00E-10	1.93E-10	9.71E-12	3.03E-10	9.76E-11	1.66E-10	1.23E-11	2.76E-10	5.55E-11	9.18E-11	3.04E-12	1.50E-10
5624	740327.05	4112090.15	6.49E-10	1.18E-09	6.49E-11	1.90E-09	1.01E-10	1.94E-10	9.74E-12	3.04E-10	9.78E-11	1.67E-10	1.24E-11	2.77E-10	5.56E-11	9.20E-11	3.05E-12	1.51E-10
5625	740307.23	4112076.46	6.49E-10	1.18E-09	6.50E-11	1.90E-09	1.01E-10	1.94E-10	9.74E-12	3.04E-10	9.79E-11	1.67E-10	1.24E-11	2.77E-10	5.56E-11	9.20E-11	3.05E-12	1.51E-10
5626	740287.41	4112062.78	6.49E-10	1.18E-09	6.50E-11	1.90E-09	1.01E-10	1.94E-10	9.74E-12	3.04E-10	9.79E-11	1.67E-10	1.24E-11	2.77E-10	5.56E-11	9.21E-11	3.05E-12	1.51E-10
5627	740267.6	4112049.09	6.49E-10	1.18E-09	6.50E-11	1.90E-09	1.01E-10	1.94E-10	9.74E-12	3.04E-10	9.79E-11	1.67E-10	1.24E-11	2.77E-10	5.56E-11	9.21E-11	3.05E-12	1.51E-10
5628	740247.78	4112035.4	6.50E-10	1.18E-09	6.50E-11	1.90E-09	1.01E-10	1.94E-10	9.75E-12	3.05E-10	9.80E-11	1.67E-10	1.24E-11	2.77E-10	5.57E-11	9.21E-11	3.05E-12	1.51E-10
5629	740227.97	4112021.72	6.51E-10	1.19E-09	6.52E-11	1.90E-09	1.01E-10	1.95E-10	9.77E-12	3.05E-10	9.82E-11	1.67E-10	1.24E-11	2.78E-10	5.58E-11	9.23E-11	3.06E-12	1.51E-10
5630	740208.15	4112008.03	6.54E-10	1.19E-09	6.54E-11	1.91E-09	1.01E-10	1.95E-10	9.81E-12	3.06E-10	9.86E-11	1.68E-10	1.25E-11	2.79E-10	5.60E-11	9.27E-11	3.07E-12	1.52E-10
5631	740188.33	4111994.34	6.58E-10	1.20E-09	6.58E-11	1.92E-09	1.02E-10	1.96E-10	9.87E-12	3.08E-10	9.92E-11	1.69E-10	1.25E-11	2.81E-10	5.64E-11	9.32E-11	3.09E-12	1.53E-10
5632	740168.52	4111980.65	6.63E-10	1.21E-09	6.63E-11	1.94E-09	1.03E-10	1.98E-10	9.95E-12	3.11E-10	1.00E-10	1.70E-10	1.26E-11	2.83E-10	5.68E-11	9.40E-11	3.12E-12	1.54E-10
5633	740148.7	4111966.97	6.70E-10	1.22E-09	6.71E-11	1.96E-09	1.04E-10	2.00E-10	1.01E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.74E-11	9.50E-11	3.15E-12	1.56E-10
5634	740128.89	4111953.28	6.79E-10	1.24E-09	6.79E-11	1.98E-09	1.05E-10	2.03E-10	1.02E-11	3.18E-10	1.02E-10	1.75E-10	1.29E-11	2.90E-10	5.82E-11	9.63E-11	3.19E-12	1.58E-10
5635	740109.07	4111939.59	6.89E-10	1.26E-09	6.90E-11	2.01E-09	1.07E-10	2.06E-10	1.03E-11	3.23E-10	1.04E-10	1.77E-10	1.31E-11	2.94E-10	5.90E-11	9.77E-11	3.24E-12	1.60E-10
5636	740089.25	4111925.91	7.00E-10	1.28E-09	7.01E-11	2.05E-09	1.09E-10	2.09E-10	1.05E-11	3.28E-10	1.06E-10	1.80E-10	1.33E-11	2.99E-10	6.00E-11	9.93E-11	3.29E-12	1.63E-10
5637	740069.44	4111912.22	7.13E-10	1.30E-09	7.13E-11	2.08E-09	1.11E-10	2.13E-10	1.07E-11	3.34E-10	1.07E-10	1.83E-10	1.36E-11	3.04E-10	6.11E-11	1.01E-10	3.35E-12	1.66E-10
5638	740049.62	4111898.53	7.26E-10	1.32E-09	7.26E-11	2.12E-09	1.13E-10	2.17E-10	1.09E-11	3.40E-10	1.09E-10	1.87E-10	1.38E-11	3.10E-10	6.22E-11	1.03E-10	3.41E-12	1.69E-10
5639	740029.81	4111884.84	7.39E-10	1.35E-09	7.39E-11	2.16E-09	1.15E-10	2.21E-10	1.11E-11	3.46E-10	1.11E-10	1.90E-10	1.41E-11	3.15E-10	6.33E-11	1.05E-10	3.47E-12	1.72E-10
5640	740009.99	4111871.16	7.52E-10	1.37E-09	7.52E-11	2.20E-09	1.17E-10	2.25E-10	1.13E-11	3.52E-10	1.13E-10	1.93E-10	1.43E-11	3.21E-10	6.44E-11	1.07E-10	3.53E-12	1.75E-10
5641	739990.18	4111857.47	7.64E-10	1.39E-09	7.64E-11	2.23E-09	1.18E-10	2.28E-10	1.15E-11	3.58E-10	1.15E-10	1.96E-10	1.46E-11	3.26E-10	6.55E-11	1.08E-10	3.59E-12	1.77E-10
5642	739970.36	4111843.78	7.75E-10	1.41E-09	7.76E-11	2.27E-09	1.20E-10	2.32E-10	1.16E-11	3.64E-10	1.17E-10	1.99E-10	1.48E-11	3.31E-10	6.64E-11	1.10E-10	3.64E-12	1.80E-10
5643	739950.54	4111830.1	7.85E-10	1.43E-09	7.86E-11	2.30E-09	1.22E-10	2.35E-10	1.18E-11	3.68E-10	1.18E-10	2.02E-10	1.50E-11	3.35E-10	6.73E-11	1.11E-10	3.69E-12	1.82E-10
5644	739930.73	4111816.41	7.95E-10	1.45E-09	7.95E-11	2.32E-09	1.23E-10	2.37E-10	1.19E-11	3.73E-10	1.20E-10	2.04E-10	1.51E-11	3.39E-10	6.81E-11	1.13E-10	3.73E-12	1.84E-10
5645	739910.91	4111802.72	8.02E-10	1.46E-09	8.03E-11	2.34E-09	1.24E-10	2.40E-10	1.20E-11	3.76E-10	1.21E-10	2.06E-10	1.53E-11	3.43E-10	6.88E-11	1.14E-10	3.77E-12	1.86E-10
5646	739891.1	4111789.03	8.09E-10	1.47E-09	8.10E-11	2.36E-09	1.25E-10	2.42E-10	1.21E-11	3.79E-10	1.22E-10	2.08E-10	1.54E-11	3.45E-10	6.93E-11	1.15E-10	3.80E-12	1.88E-10
5647	739871.28	4111775.35	8.15E-10	1.48E-09	8.15E-11	2.38E-09	1.26E-10	2.43E-10	1.22E-11	3.82E-10	1.23E-10	2.09E-10	1.55E-11	3.48E-10	6.98E-11	1.16E-10	3.83E-12	1.89E-10
5648	739851.46	4111761.66	8.19E-10	1.49E-09	8.20E-11	2.39E-09	1.27E-10	2.45E-10	1.23E-11	3.84E-10	1.24E-10	2.11E-10	1.56E-11	3.50E-10	7.02E-11	1.16E-10	3.85E-12	1.90E-10
5649	739831.65	4111747.97	8.23E-10	1.50E-09	8.24E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.86E-10	1.24E-10	2.12E-10	1.57E-11	3.51E-10	7.05E-11	1.17E-10	3.87E-12	1.91E-10
5650	739811.83	4111734.29	8.26E-10	1.50E-09	8.26E-11	2.41E-09	1.28E-10	2.47E-10	1.24E-11	3.87E-10	1.25E-10	2.12E-10	1.57E-11	3.52E-10	7.07E-11	1.17E-10	3.88E-12	1.92E-10
5651	739792.02	4111720.6	8.27E-10	1.51E-09	8.28E-11	2.42E-09	1.28E-10	2.47E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.53E-10	7.09E-11	1.17E-10	3.89E-12	1.92E-10
5652	739772.2	4111706.91	8.29E-10	1.51E-09	8.29E-11	2.42E-09	1.29E-10	2.48E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.54E-10	7.10E-11	1.17E-10	3.89E-12	1.92E-10
5653	739752.38	4111693.23	8.29E-10	1.51E-09	8.29E-11	2.42E-09	1.29E-10	2.48E-10	1.24E-11	3.89E-10	1.25E-10	2.13E-10	1.58E-11	3.54E-10	7.10E-11	1.18E-10	3.90E-12	1.92E-10
5654	739732.57	4111679.54	8.28E-10	1.51E-09	8.29E-11	2.42E-09	1.28E-10	2.47E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.54E-10	7.10E-11	1.17E-10	3.89E-12	1.92E-10
5655	739712.75	4111665.85	8.27E-10	1.51E-09	8.28E-11	2.42E-09	1.28E-10	2.47E-10	1.24E-11	3.88E-10	1.25E-10	2.13E-10	1.58E-11	3.53E-10	7.09E-11	1.17E-10	3.89E-12	1.92E-10
5656	739692.94	4111652.16	8.25E-10	1.50E-09	8.25E-11	2.41E-09	1.28E-10	2.46E-10	1.24E-11	3.87E-10	1.24E-10	2.12E-10	1.57E-11	3.52E-10	7.07E-11	1.17E-10	3.88E-12	1.91E-10
5657	739673.12	4111638.48	8.22E-10	1.50E-09	8.22E-11	2.40E-09	1.27E-10	2.45E-10	1.23E-11	3.85E-10	1.24E-10	2.11E-10	1.57E-11	3.51E-10	7.04E-11	1.16E-10	3.86E-12	1.91E-10
5658	743433.84	4112414.77	2.37E-10	4.33E-10	2.38E-11	6.94E-10	3.68E-11	7.09E-11	3.56E-12	1.11E-10	3.58E-11	6.10E-11	4.53E-12	1.01E-10	2.03E-11	3.37E-11	1.12E-12	5.51E-11
5659	743453.95	4112401.28	2.35E-10	4.27E-10	2.35E-11	6.86E-10	3.64E-11	7.01E-11	3.52E-12	1.10E-10	3.54E-11	6.03E-11	4.47E-12	1.00E-10	2.01E-11	3.33E-11	1.10E-12	5.45E-11
5660	743474.06	4112387.78	2.31E-10	4.22E-10	2.32E-11	6.76E-10	3.59E-11	6.91E-11	3.47E-12	1.09E-10	3.49E-11	5.95E-11	4.41E-12	9.88E-11	1.98E-11	3.28E-11	1.09E-12	5.37E-11

5661	743494.17	4112374.29	2.28E-10	4.16E-10	2.28E-11	6.67E-10	3.54E-11	6.82E-11	3.43E-12	1.07E-10	3.44E-11	5.87E-11	4.35E-12	9.75E-11	1.96E-11	3.24E-11	1.07E-12	5.30E-11
5662	743514.28	4112360.8	2.25E-10	4.10E-10	2.25E-11	6.57E-10	3.49E-11	6.72E-11	3.37E-12	1.05E-10	3.39E-11	5.78E-11	4.28E-12	9.60E-11	1.93E-11	3.19E-11	1.06E-12	5.22E-11
5663	743534.39	4112347.31	2.22E-10	4.04E-10	2.22E-11	6.48E-10	3.44E-11	6.62E-11	3.33E-12	1.04E-10	3.34E-11	5.70E-11	4.22E-12	9.46E-11	1.90E-11	3.14E-11	1.04E-12	5.15E-11
5664	743554.5	4112333.82	2.19E-10	3.98E-10	2.19E-11	6.39E-10	3.39E-11	6.53E-11	3.28E-12	1.03E-10	3.30E-11	5.62E-11	4.17E-12	9.33E-11	1.87E-11	3.10E-11	1.03E-12	5.08E-11
5665	743574.61	4112320.32	2.16E-10	3.94E-10	2.16E-11	6.31E-10	3.35E-11	6.45E-11	3.24E-12	1.01E-10	3.26E-11	5.55E-11	4.12E-12	9.22E-11	1.85E-11	3.06E-11	1.02E-12	5.02E-11
5666	743594.72	4112306.83	2.09E-10	3.81E-10	2.09E-11	6.12E-10	3.25E-11	6.25E-11	3.14E-12	9.81E-11	3.16E-11	5.38E-11	3.99E-12	8.93E-11	1.79E-11	2.97E-11	9.84E-13	4.86E-11
5667	743614.83	4112293.34	2.07E-10	3.78E-10	2.07E-11	6.06E-10	3.21E-11	6.19E-11	3.11E-12	9.72E-11	3.13E-11	5.33E-11	3.95E-12	8.85E-11	1.78E-11	2.94E-11	9.74E-13	4.81E-11
5668	743634.94	4112279.85	2.06E-10	3.76E-10	2.07E-11	6.03E-10	3.20E-11	6.17E-11	3.10E-12	9.68E-11	3.11E-11	5.31E-11	3.93E-12	8.81E-11	1.77E-11	2.93E-11	9.70E-13	4.79E-11
5669	743655.05	4112266.35	2.07E-10	3.77E-10	2.07E-11	6.05E-10	3.21E-11	6.19E-11	3.11E-12	9.71E-11	3.12E-11	5.32E-11	3.95E-12	8.84E-11	1.77E-11	2.94E-11	9.73E-13	4.81E-11
5670	743675.16	4112252.86	2.10E-10	3.82E-10	2.10E-11	6.13E-10	3.25E-11	6.27E-11	3.15E-12	9.84E-11	3.16E-11	5.39E-11	4.00E-12	8.96E-11	1.80E-11	2.98E-11	9.86E-13	4.87E-11
5671	743695.27	4112239.37	2.14E-10	3.90E-10	2.14E-11	6.25E-10	3.32E-11	6.39E-11	3.21E-12	1.00E-10	3.23E-11	5.50E-11	4.08E-12	9.14E-11	1.83E-11	3.03E-11	1.01E-12	4.97E-11
5672	743633.09	4112751.54	2.03E-10	3.69E-10	2.03E-11	5.92E-10	3.14E-11	6.05E-11	3.04E-12	9.50E-11	3.06E-11	5.21E-11	3.86E-12	8.65E-11	1.74E-11	2.87E-11	9.52E-13	4.71E-11
5673	743609.48	4112756.14	2.06E-10	3.75E-10	2.06E-11	6.01E-10	3.19E-11	6.14E-11	3.08E-12	9.64E-11	3.10E-11	5.28E-11	3.92E-12	8.77E-11	1.76E-11	2.91E-11	9.66E-13	4.77E-11
5674	743585.87	4112760.74	2.08E-10	3.79E-10	2.08E-11	6.08E-10	3.23E-11	6.22E-11	3.12E-12	9.76E-11	3.14E-11	5.35E-11	3.97E-12	8.89E-11	1.78E-11	2.95E-11	9.78E-13	4.83E-11
5675	743562.25	4112765.34	2.10E-10	3.83E-10	2.10E-11	6.14E-10	3.26E-11	6.27E-11	3.15E-12	9.85E-11	3.17E-11	5.40E-11	4.00E-12	8.97E-11	1.80E-11	2.98E-11	9.87E-13	4.88E-11
5676	743538.64	4112769.94	2.11E-10	3.85E-10	2.11E-11	6.17E-10	3.27E-11	6.31E-11	3.17E-12	9.90E-11	3.18E-11	5.43E-11	4.02E-12	9.01E-11	1.81E-11	2.99E-11	9.92E-13	4.90E-11
5677	743515.03	4112774.55	2.12E-10	3.86E-10	2.12E-11	6.19E-10	3.29E-11	6.33E-11	3.18E-12	9.93E-11	3.19E-11	5.45E-11	4.04E-12	9.05E-11	1.82E-11	3.00E-11	9.96E-13	4.92E-11
5678	743491.42	4112779.15	2.12E-10	3.86E-10	2.12E-11	6.20E-10	3.29E-11	6.33E-11	3.18E-12	9.94E-11	3.20E-11	5.45E-11	4.04E-12	9.05E-11	1.82E-11	3.01E-11	9.96E-13	4.92E-11
5679	743467.8	4112783.75	2.12E-10	3.86E-10	2.12E-11	6.18E-10	3.28E-11	6.32E-11	3.18E-12	9.92E-11	3.19E-11	5.44E-11	4.03E-12	9.03E-11	1.81E-11	3.00E-11	9.94E-13	4.91E-11
5680	743444.19	4112788.35	2.11E-10	3.84E-10	2.11E-11	6.15E-10	3.27E-11	6.29E-11	3.16E-12	9.87E-11	3.18E-11	5.41E-11	4.01E-12	8.99E-11	1.80E-11	2.99E-11	9.90E-13	4.89E-11
5681	743420.58	4112792.95	2.09E-10	3.81E-10	2.09E-11	6.12E-10	3.25E-11	6.25E-11	3.14E-12	9.81E-11	3.16E-11	5.38E-11	3.99E-12	8.93E-11	1.79E-11	2.97E-11	9.84E-13	4.86E-11
5682	743396.97	4112797.55	2.08E-10	3.78E-10	2.08E-11	6.07E-10	3.22E-11	6.20E-11	3.12E-12	9.73E-11	3.13E-11	5.34E-11	3.96E-12	8.86E-11	1.78E-11	2.94E-11	9.75E-13	4.82E-11
5683	743373.36	4112802.16	2.07E-10	3.76E-10	2.07E-11	6.04E-10	3.20E-11	6.17E-11	3.10E-12	9.68E-11	3.11E-11	5.31E-11	3.94E-12	8.82E-11	1.77E-11	2.93E-11	9.71E-13	4.80E-11
5684	743349.74	4112806.76	2.05E-10	3.74E-10	2.05E-11	6.00E-10	3.18E-11	6.13E-11	3.08E-12	9.62E-11	3.10E-11	5.28E-11	3.91E-12	8.76E-11	1.76E-11	2.91E-11	9.65E-13	4.77E-11
5685	743326.13	4112811.36	2.04E-10	3.72E-10	2.04E-11	5.96E-10	3.17E-11	6.10E-11	3.06E-12	9.57E-11	3.08E-11	5.25E-11	3.89E-12	8.71E-11	1.75E-11	2.89E-11	9.59E-13	4.74E-11
5686	743302.52	4112815.96	2.03E-10	3.70E-10	2.03E-11	5.93E-10	3.15E-11	6.06E-11	3.05E-12	9.52E-11	3.06E-11	5.22E-11	3.87E-12	8.66E-11	1.74E-11	2.88E-11	9.54E-13	4.71E-11
5687	743278.91	4112820.56	2.02E-10	3.68E-10	2.02E-11	5.91E-10	3.13E-11	6.04E-11	3.03E-12	9.47E-11	3.05E-11	5.19E-11	3.85E-12	8.63E-11	1.73E-11	2.87E-11	9.50E-13	4.69E-11
5688	743255.29	4112825.16	2.02E-10	3.67E-10	2.02E-11	5.89E-10	3.12E-11	6.02E-11	3.02E-12	9.45E-11	3.04E-11	5.18E-11	3.84E-12	8.60E-11	1.73E-11	2.86E-11	9.47E-13	4.68E-11
5689	743231.68	4112829.77	2.01E-10	3.67E-10	2.01E-11	5.88E-10	3.12E-11	6.02E-11	3.02E-12	9.44E-11	3.04E-11	5.18E-11	3.84E-12	8.60E-11	1.73E-11	2.86E-11	9.46E-13	4.68E-11
5690	743208.07	4112834.37	2.02E-10	3.67E-10	2.02E-11	5.89E-10	3.12E-11	6.02E-11	3.02E-12	9.45E-11	3.04E-11	5.18E-11	3.84E-12	8.60E-11	1.73E-11	2.86E-11	9.47E-13	4.68E-11
5691	743184.46	4112838.97	2.02E-10	3.68E-10	2.02E-11	5.91E-10	3.13E-11	6.04E-11	3.03E-12	9.47E-11	3.05E-11	5.19E-11	3.85E-12	8.63E-11	1.73E-11	2.87E-11	9.50E-13	4.69E-11
5692	743160.84	4112843.57	2.03E-10	3.70E-10	2.03E-11	5.94E-10	3.15E-11	6.07E-11	3.05E-12	9.52E-11	3.06E-11	5.22E-11	3.87E-12	8.67E-11	1.74E-11	2.88E-11	9.54E-13	4.72E-11
5693	743137.23	4112848.17	2.05E-10	3.73E-10	2.05E-11	5.98E-10	3.17E-11	6.11E-11	3.07E-12	9.59E-11	3.08E-11	5.26E-11	3.90E-12	8.73E-11	1.75E-11	2.90E-11	9.61E-13	4.75E-11
5694	743113.62	4112852.78	2.06E-10	3.76E-10	2.07E-11	6.03E-10	3.20E-11	6.17E-11	3.10E-12	9.68E-11	3.11E-11	5.31E-11	3.93E-12	8.81E-11	1.77E-11	2.93E-11	9.70E-13	4.79E-11
5695	743090.01	4112857.38	2.09E-10	3.80E-10	2.09E-11	6.09E-10	3.23E-11	6.23E-11	3.13E-12	9.78E-11	3.15E-11	5.36E-11	3.97E-12	8.90E-11	1.79E-11	2.96E-11	9.80E-13	4.84E-11
5696	743066.39	4112861.98	2.11E-10	3.85E-10	2.11E-11	6.17E-10	3.27E-11	6.31E-11	3.17E-12	9.90E-11	3.18E-11	5.43E-11	4.02E-12	9.01E-11	1.81E-11	2.99E-11	9.92E-13	4.90E-11
5697	743042.78	4112866.58	2.14E-10	3.90E-10	2.14E-11	6.26E-10	3.32E-11	6.40E-11	3.21E-12	1.00E-10	3.23E-11	5.51E-11	4.08E-12	9.14E-11	1.84E-11	3.04E-11	1.01E-12	4.97E-11
5698	743019.17	4112871.18	2.18E-10	3.97E-10	2.18E-11	6.36E-10	3.37E-11	6.50E-11	3.27E-12	1.02E-10	3.28E-11	5.59E-11	4.15E-12	9.29E-11	1.86E-11	3.09E-11	1.02E-12	5.05E-11
5699	742995.56	4112875.78	2.21E-10	4.03E-10	2.21E-11	6.47E-10	3.43E-11	6.61E-11	3.32E-12	1.04E-10	3.34E-11	5.69E-11	4.22E-12	9.45E-11	1.90E-11	3.14E-11	1.04E-12	5.14E-11
5700	742971.95	4112880.39	2.26E-10	4.11E-10	2.26E-11	6.59E-10	3.50E-11	6.74E-11	3.38E-12	1.06E-10	3.40E-11	5.80E-11	4.30E-12	9.63E-11	1.93E-11	3.20E-11	1.06E-12	5.24E-11
5701	742948.33	4112884.99	2.30E-10	4.19E-10	2.30E-11	6.73E-10	3.57E-11	6.88E-11	3.45E-12	1.08E-10	3.47E-11	5.92E-11	4.39E-12	9.83E-11	1.97E-11	3.26E-11	1.08E-12	5.34E-11
5702	742924.72	4112889.59	2.35E-10	4.29E-10	2.35E-11	6.87E-10	3.65E-11	7.03E-11	3.53E-12	1.10E-10	3.55E-11	6.05E-11	4.48E-12	1.00E-10	2.02E-11	3.33E-11	1.11E-12	5.46E-11
5703	742901.11	4112894.19	2.40E-10	4.38E-10	2.41E-11	7.03E-10	3.73E-11	7.18E-11	3.61E-12	1.13E-10	3.63E-11	6.18E-11	4.58E-12	1.03E-10	2.06E-11	3.41E-11	1.13E-12	5.58E-11
5704	742877.5	4112898.79	2.46E-10	4.49E-10	2.46E-11	7.20E-10	3.82E-11	7.36E-11	3.70E-12	1.15E-10	3.71E-11	6.33E-11	4.69E-12	1.05E-10	2.11E-11	3.49E-11	1.16E-12	5.72E-11
5705	742853.88	4112903.39	2.52E-10	4.60E-10	2.52E-11	7.37E-10	3.91E-11	7.54E-11	3.79E-12	1.18E-10	3.80E-11	6.49E-11	4.81E-12	1.08E-10	2.16E-11	3.58E-11	1.19E-12	5.86E-11
5706	742830.27	4112908	2.59E-10	4.72E-10	2.59E-11	7.56E-10	4.01E-11	7.73E-11	3.88E-12	1.21E-10	3.90E-11	6.65E-11	4.93E-12	1.10E-10	2.22E-11	3.67E-11	1.22E-12	6.01E-11
5707	742806.66	4112912.6	2.66E-10	4.84E-10	2.66E-11	7.76E-10	4.12E-11	7.93E-11	3.99E-12	1.24E-10	4.00E-11	6.83E-11	5.06E-12	1.13E-10	2.28E-11	3.76E-11	1.25E-12	6.16E-11
5708	742783.05	4112917.2	2.72E-10	4.96E-10	2.72E-11	7.96E-10	4.22E-11	8.13E-11	4.09E-12	1.28E-10	4.11E-11	7.00E-11	5.19E-12	1.16E-10	2.33E-11	3.86E-11	1.28E-12	6.32E-11
5709	742759.43	4112921.8	2.79E-10	5.09E-10	2.79E-11	8.16E-10	4.33E-11	8.34E-11	4.19E-12	1.31E-10	4.21E-11	7.18E-11	5.32E-12	1.19E-10	2.39E-11	3.96E-11	1.31E-12	6.48E-11
5710	742735.82	4112926.4	2.86E-10	5.21E-10	2.86E-11	8.36E-10	4.44E-11	8.55E-11	4.29E-12	1.34E-10	4.31E-11	7.35E-11	5.45E-12	1.22E-10	2.45E-11	4.06E-11	1.34E-12	6.64E-11
5711	742712.21	4112931	2.93E-10	5.33E-10	2.93E-11	8.55E-10	4.54E-11	8.74E-11	4.39E-12	1.37E-10	4.41E-11	7.52E-11	5.58E-12	1.25E-10	2.51E-11	4.15E-11	1.38E-12	6.80E-11
5712	742688.6	4112935.61	2.99E-10	5.45E-10	2.99E-11	8.74E-10	4.64E-11	8.93E-11	4.49E-12	1.40E-10	4.51E-11	7.69E-11	5.70E-12	1.28E-10	2.56E-11	4.24E-11	1.41E-12	6.94E-11
5713	742664.99	4112940.21	3.05E-10	5.55E-10	3.05E-11	8.91E-10	4.73E-11	9.11E-11	4.57E-12	1.43E-10	4.60E-11	7.84E-11	5.81E-12	1.30E-10	2.61E-11	4.32E-11	1.43E-12	7.08E-11
5714	742641.37	4112944.81	3.10E-10	5.65E-10	3.10E-11	9.05E-10	4.80E-11	9.26E-11	4.65E-12	1.45E-10	4.67E-11	7.96E-11	5.90E-12	1.32E-10	2.65E-11	4.39E-11	1.46E-12	7.19E-11
5715	742617.76	4112949.41	3.14E-10	5.73E-10	3.15E-11	9.19E-10	4.88E-11	9.39E-11	4.72E-12	1.47E-10	4.74E-11	8.08E-11	5.99E-12	1.34E-10	2.69E-11	4.46E-11	1.48E-12	7.30E-11
5716	742594.15	4112954.01	3.18E-10	5.79E-10	3.18E-11	9.29E-10	4.93E-11	9.50E-11	4.77E-12	1.49E-10	4.80E-11	8.18E-11	6.06E-12	1.36E-10	2.73E-11	4.51E-11	1.49E-12	7.38E-11
5717	742570.54	4112958.62	3.21E-10	5.85E-10	3.21E-11	9.38E-10	4.98E-11	9.59E-11	4.82E-12	1.50E-10	4.84E-11	8.25E-11	6.11E-12	1.37E-10	2.75E-11	4.55E-11	1.51E-12	7.45E-11
5718	742546.92	4112963.22	3.23E-10	5.88E-10	3.23E-11	9.44E-10	5.01E-11	9.65E-11	4.85E-12	1.51E-10	4.87E-11	8.30E-11	6.15E-12	1.38E-10	2.77E-11	4.58E-11	1.52E-12	7.50E-11
5719	742523.31	4112967.82	3.24E-10	5.91E-10	3.25E-11	9.48E-10	5.03E-11	9.69E-11	4.87E-12	1.52E-10	4.89E-11	8.34E-11	6.18E-12	1.38E-10	2.78E-11	4.60E-11	1.52E-12	7.53E-11
5720	742499.7	4112972.42	3.25E-10	5.92E-10	3.25E-11	9.50E-10	5.04E-11	9.71E-11	4.88E-12	1.52E-10	4.90E-11	8.35E-11	6.19E-12	1.39E-10	2.78E-11	4.61E-11	1.53E-12	7.54E-11
5721	742476.09	4112977.02	3.25E-10	5.92E-10	3.25E-11	9.49E-10	5.04E-11	9.70E-11	4.87E-12	1.52E-10	4.90E-11	8.35E-11	6.19E-12	1.39E-10	2.78E-11	4.60E-11	1.53E-12	7.54E-11
5722	742452.47	4112981.62	3.24E-10	5.91E-10	3.24E-11	9.47E-10	5.03E-11	9.69E-11	4.87E-12	1.52E-10	4.89E-11	8.33E-11	6.18E-12	1.38E-10	2.78E-11	4.60E-11	1.52E-12	7.53E-11
5723	742428.86	4112986.23	3.23E-10	5.89E-10	3.24E-11	9.45E-10	5.01E-11	9.66E-11	4.85E-12	1.52E-10	4.88E-11	8.31E-11	6.16E-12	1.38E-10	2.77E-11	4.58E-11	1.52E-12	7.51E-11
5724	742405.25	4112990.83	3.22E-10	5.87E-10	3.22E-11	9.41E-10	4.99E-11	9.62E-11	4.83E-12	1.51E-10	4.86E-11	8.28E-11	6.14E-12	1.37E-10	2.76E-11	4.57E-11	1.51E-12	7.48E-11
5725	742381.64	4112995.43	3.21E-10	5.84E-10	3.21E-11	9.37E-10	4.97E-11	9.58E-11	4.81E-12	1.50E-10	4.84E-11	8.25E-11	6.11E-12	1.37E-10	2.75E-11	4.55E-11	1.51E-12	7.45E-11
5726	742358.03	4113000.03	3.19E-10	5.82E-10	3.20E-11	9.33E-10	4.95E-11	9.54E-11	4.79E-12	1.50E-10	4.82E-11	8.21E-11	6.08E-12	1.36E-10	2.74E-11	4.53E-11	1.50E-12	7.41E-11
5727	742334.41	4113004.63	3.18E-10	5.79E-10	3.18E-11	9.29E-10	4.93E-11	9.50E-11	4.77E-12	1.49E-10	4.80E-11	8.18E-11	6.06E-12	1.36E-10	2.73E-11	4.51E-11	1.49E-12	7.38E-11
5728	742310.8	4113009.23	3.17E-10	5.77E-10	3.17E-11	9.26E-10	4.91E-11	9.46E-11	4.75E-12	1.48E-10	4.78E-11	8.14E-11	6.04E-12	1.35E-10	2.71E-11	4.49E-11	1.49E-12	7.35E-11
5729	742287.19	4113013.84	3.16E-10	5.75E-10	3.16E-11	9.23E-10	4.90E-11	9.43E-11	4.74E-12	1.48E-10	4.76E-11	8.12E-11	6.02E-12	1.35E-10	2.71E-11	4.48E-11	1.48E-12	7.33E-11
5730	742263.58	4113018.44	3.15E-10	5.74E-10	3.15E-11	9.21E-10	4.88E-11	9.41E-11	4.73E-12	1.48E-10	4.75E-11	8.10E-11	6.00E-12	1.34E-10	2.70E-11	4.47E-11	1.48E-12	7.31E-11
5731	742239.96	4113023.04	3.15E-10	5.73E-10	3.15E-11	9.20E-10	4.88E-11	9.40E-11	4.72E-12	1.48E-10	4.75E-11	8.09E-11	6.00E-12	1.34E-10	2.70E-11	4.46E-11	1.48E-12	7.31E-11
5732	742216.35	4113027.64	3.15E-10	5.73E-10	3.15E-11	9.19E-10	4.88E-11	9.40E-11	4.72E-12	1.47E-10	4.74E-11	8.09E-11	5.99E-12	1.34E-10	2.70E-11	4.46E-11	1.48E-12	7.30E-11
5733	742192.74	4113032.24	3.15E-10	5.74E-10	3.15E-11	9.20E-10	4.88E-11	9.41E-11	4.73E-12	1.48E-10	4.75E-11	8.09E-11	6.00E-12	1.34E-10	2.70E-11	4.46E-11	1.48E-12	7.31E-11
5734	742169.13	4113036.84	3.16E-10	5.75E-10	3.16E-11	9.22E-10	4.89E-11	9.43E-11	4.74E-12	1.48E-10	4.76E-11	8.11E-11	6.01E-12	1.35E-10	2.70E-11	4.47E-11	1.48E-12	7.33E-11
5735	742145.51	4113041.45	3.17E-10	5.77E-10	3.17E-11	9.26E-10	4.91E-11	9.46E-11	4.75E-12	1.48E-10	4.78E-11	8.14E-11	6.04E-12	1.35E-10	2.71E-11	4.49E-11	1.49E-12	7.35E-11
5736	742121.9	4113046.05	3.18E-10	5.80E-10	3.18E-11	9.30E-10	4.93E-11	9.51E-11	4.78E-12	1.49E-10	4.80E-11	8.18E-11	6.06E-12	1.36E-10	2.73E-11	4.51E-11	1.50E-12	7.39E-11
5737	742098.29	4113050.65	3.20E-10	5.83E-10	3.20E-11	9.35E-10	4.96E-11	9.56E-11	4.80E-12	1.50E-10	4.83E-11	8.23E-11	6.10E-12	1.37E-10	2.74E-11	4.54E-11	1.50E-12	7.43E-11
5738	742074.68	4113055.25	3.22E-10	5.87E-10	3.22E-11	9.42E-10	5.00E-11	9.63E-11	4.84E-12	1.51E-10	4.86E-11	8.28E-11	6.14E-12	1.38E-10	2.76E-11	4.57E-11	1.51E-12	7.48E-11
5739	742051.07	4113059.85	3.25E-10	5.92E-10	3.25E-11	9.49E-10	5.04E-11	9.70E-11	4.87E-12	1.52E-10	4.90E-11	8.35E-11	6.19E-12	1.39E-10	2.78E-11	4.60E-11	1.53E-12	7.54E-11
5740	742027.45	4113064.46	3.28E-10	5.97E-10	3.28E-11	9.57E-10	5.08E-11	9.78E-11	4.92E-12	1.54E-10	4.94E-11	8.42E-11	6.24E-12	1.40E-10	2.81E-11	4.64E-11	1.54E-12	7.60E-11
5741	742003.84	4113069.06	3.31E-10	6.02E-10	3.31E-11	9.66E-10	5.13E-11	9.87E-11	4.96E-12	1.55E-10	4.98E-11	8.50E-11	6.30E-12	1.41E-10	2.83E-11	4.69E-11	1.55E-12	7.67E-11
5742	741980.23	4113073.66	3.34E-10	6.08E-10	3.34E-11	9.75E-10	5.17E-11	9.97E-11	5.01E-12	1.56E-10	5.03E-11	8.58E-11	6.36E-12	1.42E-10	2.86E-11	4.73E-11	1.57E-12	7.75E-11
5743	741956.62	4113078.26	3.37E-10	6.14E-10	3.37E-11	9.85E-10	5.23E-11	1.01E-10	5.06E-12	1.58E-10	5.08E-11	8.66E-11	6.42E-12	1.44E-10	2.89E-11	4.78E-11	1.58E-12	7.82E-11
5744	741933	4113082.86	3.40E-10	6.20E-10	3.41E-11	9.94E-10	5.28E-11	1.02E-10	5.11E-12	1.60E-10	5.13E-11	8.75E-11	6.48E-12	1.45E-10	2.92E-11	4.83E-11	1.60E-12	7.90E-11
5745	741909.39	4113087.46	3.43E-10	6.26E-10	3.44E-11	1.00E-09	5.33E-11	1.03E-10	5.16E-12	1.61E-10	5.18E-11	8.83E-11	6.55E-12	1.47E-10	2.94E-11	4.87E-11	1.61E-12	7.97E-11
5746	741885.78	4113092.07	3.47E-10	6.32E-10	3.47E-11	1.01E-09	5.38E-11	1.04E-10	5.20E-12	1.63E-10	5.23E-11	8.91E-11	6.61E-12	1.48E-10	2.97E-11	4.91E-11	1.63E-12	8.05E-11
5747	741862.17	4113096.67	3.50E-10	6.37E-10	3.50E-11	1.02E-09	5.42E-11	1.04E-10	5.25E-12	1.64E-10	5.27E-11	8.99E-11	6.66E-12	1.49E-10	3.00E-11	4.96E-11	1.64E-12	8.12E-11
5748	741838.55	4113101.27	3.53E-10	6.42E-10	3.53E-11	1.03E-09	5.47E-11	1.05E-10	5.29E-12	1.65E-10	5.32E-11	9.06E-11	6.72E-12	1.51E-10	3.02E-11	5.00E-11	1.66E-12	8.19E-11
5749	741814.94	4113105.87	3.55E-10	6.47E-10	3.55E-11	1.04E-09	5.51E-11	1.06E-10	5.33E-12	1.66E-10	5.36E-11	9.13E-11	6.77E-12	1.52E-10	3.04E-11	5.04E-11	1.67E-12	8.25E-11
5750	741791.33	4113110.47	3.58E-10	6.52E-10	3.58E-11	1.04E-09	5.55E-11	1.07E-10	5.37E-12	1.68E-10	5.39E-11	9.19E-11	6.81E-12	1.53E-10	3.06E-11	5.07E-11	1.68E-12	8.30E-11
5751	741767.72	4113115.07	3.60E-10	6.56E-10	3.60E-11	1.05E-09	5.58E-11	1.08E-10	5.40E-12	1.69E-10	5.43E-11	9.25E-11	6.86E-12	1.54E-10	3.08E-11	5.10E-11	1.69E-12	8.36E-11
5752	741744.11	4113119.68	3.62E-10	6.59E-10	3.62E-11	1.06E-09	5.61E-11	1.08E-10	5.43E-12	1.70E-10	5.46E-11	9.30E-11	6.90E-12	1.54E-10	3.10E-11	5.13E-11	1.70E-12	8.40E-11
5753	741720.49	4113124.28	3.64E-10	6.63E-10	3.64E-11	1.06E-09	5.64E-11	1.09E-10	5.46E-12	1.71E-10	5.49E-11	9.35E-11	6.93E-12	1.55E-10	3.12E-11	5.16E-11	1.71E-12	8.45E-11
5754	741696.88	4113128.88	3.66E-10	6.66E-10	3.66E-11	1.07E-09	5.67E-11	1.09E-10	5.49E-12	1.71E-10	5.51E-11	9.40E-11	6.97E-12	1.56E-10	3.13E-11	5.18E-11	1.72E-12	8.49E-11
5755	741673.27	4113133.48	3.67E-10	6.69E-10	3.68E-11	1.07E-09	5.70E-11	1.10E-10	5.51E-12	1.72E-10	5.54E-11	9.44E-11	7.00E-12	1.57E-10	3.15E-11	5.21E-11	1.73E-12	8.53E-11
5756	741649.66	4113138.08	3.69E-10	6.73E-10	3.70E-11	1.08E-09	5.73E-11	1.10E-10	5.54E-12	1.73E-10	5.57E-11	9.50E-11	7.04E-12	1.58E-10	3.17E-11	5.24E-11	1.74E-12	8.58E-11

5757	741626.04	4113142.68	3.71E-10	6.76E-10	3.71E-11	1.08E-09	5.76E-11	1.11E-10	5.57E-12	1.74E-10	5.60E-11	9.54E-11	7.07E-12	1.58E-10	3.18E-11	5.26E-11	1.74E-12	8.62E-11
5758	741602.43	4113147.29	3.73E-10	6.80E-10	3.74E-11	1.09E-09	5.79E-11	1.12E-10	5.60E-12	1.75E-10	5.63E-11	9.60E-11	7.12E-12	1.59E-10	3.20E-11	5.29E-11	1.75E-12	8.67E-11
5759	741578.82	4113151.89	3.76E-10	6.84E-10	3.76E-11	1.10E-09	5.82E-11	1.12E-10	5.64E-12	1.76E-10	5.66E-11	9.65E-11	7.16E-12	1.60E-10	3.22E-11	5.32E-11	1.76E-12	8.72E-11
5760	741555.21	4113156.49	3.78E-10	6.89E-10	3.78E-11	1.10E-09	5.86E-11	1.13E-10	5.67E-12	1.77E-10	5.70E-11	9.71E-11	7.20E-12	1.61E-10	3.24E-11	5.36E-11	1.78E-12	8.77E-11
5761	741531.59	4113161.09	3.80E-10	6.93E-10	3.81E-11	1.11E-09	5.90E-11	1.14E-10	5.71E-12	1.78E-10	5.73E-11	9.78E-11	7.25E-12	1.62E-10	3.26E-11	5.39E-11	1.79E-12	8.83E-11
5762	741507.98	4113165.69	3.83E-10	6.97E-10	3.83E-11	1.12E-09	5.94E-11	1.14E-10	5.74E-12	1.79E-10	5.77E-11	9.84E-11	7.29E-12	1.63E-10	3.28E-11	5.43E-11	1.80E-12	8.89E-11
5763	741484.37	4113170.3	3.85E-10	7.02E-10	3.86E-11	1.13E-09	5.98E-11	1.15E-10	5.78E-12	1.81E-10	5.81E-11	9.91E-11	7.34E-12	1.65E-10	3.30E-11	5.46E-11	1.81E-12	8.95E-11
5764	741460.76	4113174.9	3.88E-10	7.06E-10	3.88E-11	1.13E-09	6.01E-11	1.16E-10	5.82E-12	1.82E-10	5.85E-11	9.96E-11	7.39E-12	1.65E-10	3.32E-11	5.50E-11	1.82E-12	9.00E-11
5765	741437.15	4113179.5	3.90E-10	7.10E-10	3.90E-11	1.14E-09	6.04E-11	1.16E-10	5.85E-12	1.83E-10	5.88E-11	1.00E-10	7.43E-12	1.66E-10	3.34E-11	5.53E-11	1.83E-12	9.05E-11
5766	741413.53	4113184.1	3.92E-10	7.13E-10	3.92E-11	1.14E-09	6.07E-11	1.17E-10	5.88E-12	1.84E-10	5.90E-11	1.01E-10	7.46E-12	1.67E-10	3.35E-11	5.55E-11	1.84E-12	9.09E-11
5767	741389.92	4113188.7	3.93E-10	7.16E-10	3.93E-11	1.15E-09	6.09E-11	1.17E-10	5.90E-12	1.84E-10	5.92E-11	1.01E-10	7.49E-12	1.68E-10	3.37E-11	5.57E-11	1.85E-12	9.12E-11
5768	741366.31	4113193.3	3.94E-10	7.17E-10	3.94E-11	1.15E-09	6.11E-11	1.18E-10	5.91E-12	1.85E-10	5.94E-11	1.01E-10	7.50E-12	1.68E-10	3.37E-11	5.58E-11	1.85E-12	9.14E-11
5769	741342.7	4113197.91	3.94E-10	7.18E-10	3.94E-11	1.15E-09	6.11E-11	1.18E-10	5.92E-12	1.85E-10	5.95E-11	1.01E-10	7.51E-12	1.68E-10	3.38E-11	5.59E-11	1.85E-12	9.15E-11
5770	741319.08	4113202.51	3.94E-10	7.18E-10	3.94E-11	1.15E-09	6.11E-11	1.18E-10	5.92E-12	1.85E-10	5.94E-11	1.01E-10	7.51E-12	1.68E-10	3.38E-11	5.59E-11	1.85E-12	9.15E-11
5771	741275.68	4113193.44	3.95E-10	7.21E-10	3.96E-11	1.16E-09	6.13E-11	1.18E-10	5.93E-12	1.85E-10	5.96E-11	1.02E-10	7.53E-12	1.69E-10	3.39E-11	5.61E-11	1.86E-12	9.18E-11
5772	741255.88	4113179.77	3.97E-10	7.23E-10	3.97E-11	1.16E-09	6.16E-11	1.19E-10	5.96E-12	1.86E-10	5.99E-11	1.02E-10	7.56E-12	1.69E-10	3.40E-11	5.63E-11	1.87E-12	9.22E-11
5773	741236.09	4113166.09	3.98E-10	7.25E-10	3.98E-11	1.16E-09	6.17E-11	1.19E-10	5.98E-12	1.87E-10	6.00E-11	1.02E-10	7.59E-12	1.70E-10	3.41E-11	5.65E-11	1.87E-12	9.24E-11
5774	741216.3	4113152.42	3.99E-10	7.28E-10	4.00E-11	1.17E-09	6.19E-11	1.19E-10	5.99E-12	1.87E-10	6.02E-11	1.03E-10	7.61E-12	1.70E-10	3.42E-11	5.66E-11	1.88E-12	9.27E-11
5775	741196.5	4113138.75	4.00E-10	7.29E-10	4.00E-11	1.17E-09	6.21E-11	1.20E-10	6.01E-12	1.88E-10	6.03E-11	1.03E-10	7.63E-12	1.71E-10	3.43E-11	5.67E-11	1.88E-12	9.29E-11
5776	741176.71	4113125.08	4.01E-10	7.31E-10	4.01E-11	1.17E-09	6.22E-11	1.20E-10	6.02E-12	1.88E-10	6.05E-11	1.03E-10	7.64E-12	1.71E-10	3.44E-11	5.69E-11	1.89E-12	9.31E-11
5777	741156.91	4113111.41	4.02E-10	7.33E-10	4.02E-11	1.18E-09	6.24E-11	1.20E-10	6.04E-12	1.89E-10	6.06E-11	1.03E-10	7.66E-12	1.72E-10	3.45E-11	5.70E-11	1.89E-12	9.34E-11
5778	741137.12	4113097.73	4.04E-10	7.35E-10	4.04E-11	1.18E-09	6.26E-11	1.21E-10	6.06E-12	1.89E-10	6.09E-11	1.04E-10	7.69E-12	1.72E-10	3.46E-11	5.72E-11	1.90E-12	9.37E-11
5779	741117.33	4113084.06	4.05E-10	7.39E-10	4.06E-11	1.18E-09	6.29E-11	1.21E-10	6.09E-12	1.90E-10	6.11E-11	1.04E-10	7.73E-12	1.73E-10	3.47E-11	5.75E-11	1.91E-12	9.41E-11
5780	741097.53	4113070.39	4.07E-10	7.43E-10	4.08E-11	1.19E-09	6.32E-11	1.22E-10	6.12E-12	1.91E-10	6.14E-11	1.05E-10	7.76E-12	1.74E-10	3.49E-11	5.78E-11	1.91E-12	9.46E-11
5781	741077.74	4113056.72	4.10E-10	7.47E-10	4.10E-11	1.20E-09	6.36E-11	1.22E-10	6.15E-12	1.92E-10	6.18E-11	1.05E-10	7.81E-12	1.75E-10	3.51E-11	5.81E-11	1.93E-12	9.52E-11
5782	741057.94	4113043.05	4.13E-10	7.52E-10	4.13E-11	1.21E-09	6.40E-11	1.23E-10	6.20E-12	1.94E-10	6.23E-11	1.06E-10	7.87E-12	1.76E-10	3.54E-11	5.85E-11	1.94E-12	9.58E-11
5783	741038.15	4113029.38	4.16E-10	7.58E-10	4.16E-11	1.22E-09	6.45E-11	1.24E-10	6.24E-12	1.95E-10	6.27E-11	1.07E-10	7.93E-12	1.78E-10	3.56E-11	5.90E-11	1.95E-12	9.66E-11
5784	741018.36	4113015.7	4.19E-10	7.64E-10	4.20E-11	1.23E-09	6.50E-11	1.25E-10	6.30E-12	1.97E-10	6.32E-11	1.08E-10	7.99E-12	1.79E-10	3.59E-11	5.95E-11	1.97E-12	9.74E-11
5785	740998.56	4113002.03	4.23E-10	7.71E-10	4.23E-11	1.24E-09	6.56E-11	1.26E-10	6.35E-12	1.98E-10	6.38E-11	1.09E-10	8.06E-12	1.81E-10	3.63E-11	6.00E-11	1.99E-12	9.82E-11
5786	740978.77	4112988.36	4.27E-10	7.78E-10	4.27E-11	1.25E-09	6.62E-11	1.28E-10	6.41E-12	2.00E-10	6.44E-11	1.10E-10	8.14E-12	1.82E-10	3.66E-11	6.06E-11	2.01E-12	9.92E-11
5787	740958.98	4112974.69	4.31E-10	7.86E-10	4.31E-11	1.26E-09	6.69E-11	1.29E-10	6.47E-12	2.02E-10	6.50E-11	1.11E-10	8.21E-12	1.84E-10	3.69E-11	6.11E-11	2.03E-12	1.00E-10
5788	740939.18	4112961.02	4.35E-10	7.92E-10	4.35E-11	1.27E-09	6.74E-11	1.30E-10	6.53E-12	2.04E-10	6.56E-11	1.12E-10	8.29E-12	1.86E-10	3.73E-11	6.17E-11	2.04E-12	1.01E-10
5789	740919.39	4112947.34	4.38E-10	7.99E-10	4.39E-11	1.28E-09	6.80E-11	1.31E-10	6.58E-12	2.05E-10	6.61E-11	1.13E-10	8.35E-12	1.87E-10	3.76E-11	6.21E-11	2.06E-12	1.02E-10
5790	740899.59	4112933.67	4.41E-10	8.04E-10	4.42E-11	1.29E-09	6.85E-11	1.32E-10	6.63E-12	2.07E-10	6.66E-11	1.13E-10	8.41E-12	1.88E-10	3.78E-11	6.26E-11	2.07E-12	1.02E-10
5791	740879.8	4112920	4.44E-10	8.10E-10	4.45E-11	1.30E-09	6.89E-11	1.33E-10	6.67E-12	2.08E-10	6.70E-11	1.14E-10	8.47E-12	1.90E-10	3.81E-11	6.30E-11	2.09E-12	1.03E-10
5792	740860.01	4112906.33	4.47E-10	8.14E-10	4.47E-11	1.31E-09	6.93E-11	1.33E-10	6.71E-12	2.09E-10	6.74E-11	1.15E-10	8.51E-12	1.91E-10	3.83E-11	6.33E-11	2.10E-12	1.04E-10
5793	740840.21	4112892.66	4.48E-10	8.17E-10	4.49E-11	1.31E-09	6.95E-11	1.34E-10	6.73E-12	2.10E-10	6.76E-11	1.15E-10	8.55E-12	1.91E-10	3.84E-11	6.36E-11	2.11E-12	1.04E-10
5794	740820.42	4112878.98	4.50E-10	8.20E-10	4.50E-11	1.31E-09	6.98E-11	1.34E-10	6.75E-12	2.11E-10	6.78E-11	1.16E-10	8.57E-12	1.92E-10	3.85E-11	6.38E-11	2.11E-12	1.04E-10
5795	740800.62	4112865.31	4.50E-10	8.20E-10	4.50E-11	1.32E-09	6.98E-11	1.34E-10	6.76E-12	2.11E-10	6.79E-11	1.16E-10	8.58E-12	1.92E-10	3.86E-11	6.38E-11	2.12E-12	1.05E-10
5796	740780.83	4112851.64	4.50E-10	8.20E-10	4.50E-11	1.32E-09	6.98E-11	1.34E-10	6.76E-12	2.11E-10	6.79E-11	1.16E-10	8.58E-12	1.92E-10	3.86E-11	6.38E-11	2.12E-12	1.05E-10
5797	740761.04	4112837.97	4.49E-10	8.19E-10	4.50E-11	1.31E-09	6.97E-11	1.34E-10	6.75E-12	2.11E-10	6.78E-11	1.16E-10	8.57E-12	1.92E-10	3.85E-11	6.37E-11	2.11E-12	1.04E-10
5798	740741.24	4112824.3	4.48E-10	8.16E-10	4.48E-11	1.31E-09	6.95E-11	1.34E-10	6.72E-12	2.10E-10	6.76E-11	1.15E-10	8.54E-12	1.91E-10	3.84E-11	6.35E-11	2.11E-12	1.04E-10
5799	740721.45	4112810.63	4.46E-10	8.13E-10	4.46E-11	1.30E-09	6.91E-11	1.33E-10	6.69E-12	2.09E-10	6.72E-11	1.15E-10	8.50E-12	1.90E-10	3.82E-11	6.32E-11	2.10E-12	1.04E-10
5800	740701.65	4112796.95	4.43E-10	8.08E-10	4.44E-11	1.30E-09	6.87E-11	1.32E-10	6.65E-12	2.08E-10	6.68E-11	1.14E-10	8.45E-12	1.89E-10	3.80E-11	6.29E-11	2.08E-12	1.03E-10
5801	740681.86	4112783.28	4.40E-10	8.02E-10	4.40E-11	1.29E-09	6.82E-11	1.31E-10	6.60E-12	2.06E-10	6.63E-11	1.13E-10	8.38E-12	1.88E-10	3.77E-11	6.24E-11	2.07E-12	1.02E-10
5802	740662.07	4112769.61	4.36E-10	7.95E-10	4.37E-11	1.28E-09	6.77E-11	1.30E-10	6.55E-12	2.05E-10	6.58E-11	1.12E-10	8.32E-12	1.86E-10	3.74E-11	6.19E-11	2.05E-12	1.01E-10
5803	740642.27	4112755.94	4.33E-10	7.88E-10	4.33E-11	1.26E-09	6.71E-11	1.29E-10	6.49E-12	2.03E-10	6.52E-11	1.11E-10	8.24E-12	1.85E-10	3.71E-11	6.13E-11	2.03E-12	1.00E-10
5804	740622.48	4112742.27	4.28E-10	7.81E-10	4.29E-11	1.25E-09	6.64E-11	1.28E-10	6.43E-12	2.01E-10	6.46E-11	1.10E-10	8.16E-12	1.83E-10	3.67E-11	6.07E-11	2.01E-12	9.95E-11
5805	740602.69	4112728.59	4.24E-10	7.73E-10	4.24E-11	1.24E-09	6.58E-11	1.27E-10	6.37E-12	1.99E-10	6.40E-11	1.09E-10	8.08E-12	1.81E-10	3.63E-11	6.01E-11	1.99E-12	9.85E-11
5806	740582.89	4112714.92	4.20E-10	7.66E-10	4.21E-11	1.23E-09	6.52E-11	1.26E-10	6.31E-12	1.97E-10	6.34E-11	1.08E-10	8.01E-12	1.79E-10	3.60E-11	5.96E-11	1.98E-12	9.76E-11
5807	740563.1	4112701.25	4.17E-10	7.59E-10	4.17E-11	1.22E-09	6.46E-11	1.24E-10	6.25E-12	1.95E-10	6.28E-11	1.07E-10	7.94E-12	1.78E-10	3.57E-11	5.91E-11	1.96E-12	9.67E-11
5808	740543.3	4112687.58	4.14E-10	7.54E-10	4.14E-11	1.21E-09	6.42E-11	1.24E-10	6.21E-12	1.94E-10	6.24E-11	1.06E-10	7.89E-12	1.77E-10	3.55E-11	5.87E-11	1.94E-12	9.61E-11
5809	740523.51	4112673.91	4.12E-10	7.50E-10	4.12E-11	1.20E-09	6.39E-11	1.23E-10	6.18E-12	1.93E-10	6.21E-11	1.06E-10	7.85E-12	1.76E-10	3.53E-11	5.84E-11	1.94E-12	9.56E-11
5810	740503.72	4112660.23	4.11E-10	7.49E-10	4.11E-11	1.20E-09	6.37E-11	1.23E-10	6.17E-12	1.93E-10	6.19E-11	1.06E-10	7.83E-12	1.75E-10	3.52E-11	5.82E-11	1.93E-12	9.54E-11
5811	740483.92	4112646.56	4.11E-10	7.49E-10	4.11E-11	1.20E-09	6.38E-11	1.23E-10	6.17E-12	1.93E-10	6.20E-11	1.06E-10	7.84E-12	1.76E-10	3.52E-11	5.83E-11	1.93E-12	9.55E-11
5812	740464.13	4112632.89	4.13E-10	7.53E-10	4.13E-11	1.21E-09	6.41E-11	1.23E-10	6.20E-12	1.94E-10	6.23E-11	1.06E-10	7.87E-12	1.76E-10	3.54E-11	5.86E-11	1.94E-12	9.59E-11
5813	740444.33	4112619.22	4.17E-10	7.59E-10	4.17E-11	1.22E-09	6.46E-11	1.24E-10	6.25E-12	1.95E-10	6.28E-11	1.07E-10	7.94E-12	1.78E-10	3.57E-11	5.91E-11	1.96E-12	9.67E-11
5814	740424.54	4112605.55	4.22E-10	7.69E-10	4.22E-11	1.23E-09	6.54E-11	1.26E-10	6.33E-12	1.98E-10	6.36E-11	1.08E-10	8.04E-12	1.80E-10	3.61E-11	5.98E-11	1.98E-12	9.79E-11
5815	740404.75	4112591.87	4.28E-10	7.81E-10	4.29E-11	1.25E-09	6.64E-11	1.28E-10	6.43E-12	2.01E-10	6.46E-11	1.10E-10	8.17E-12	1.83E-10	3.67E-11	6.08E-11	2.01E-12	9.95E-11
5816	740384.95	4112578.2	4.37E-10	7.95E-10	4.37E-11	1.28E-09	6.77E-11	1.30E-10	6.55E-12	2.05E-10	6.58E-11	1.12E-10	8.32E-12	1.86E-10	3.74E-11	6.19E-11	2.05E-12	1.01E-10
5817	740365.16	4112564.53	4.46E-10	8.13E-10	4.46E-11	1.30E-09	6.91E-11	1.33E-10	6.69E-12	2.09E-10	6.72E-11	1.15E-10	8.50E-12	1.90E-10	3.82E-11	6.32E-11	2.10E-12	1.04E-10
5818	740345.37	4112550.86	4.56E-10	8.31E-10	4.56E-11	1.33E-09	7.07E-11	1.36E-10	6.85E-12	2.14E-10	6.88E-11	1.17E-10	8.69E-12	1.95E-10	3.91E-11	6.47E-11	2.14E-12	1.06E-10
5819	740325.57	4112537.19	4.67E-10	8.51E-10	4.67E-11	1.36E-09	7.24E-11	1.40E-10	7.01E-12	2.19E-10	7.04E-11	1.20E-10	8.90E-12	1.99E-10	4.00E-11	6.62E-11	2.19E-12	1.08E-10
5820	740305.78	4112523.52	4.78E-10	8.72E-10	4.79E-11	1.40E-09	7.42E-11	1.43E-10	7.18E-12	2.24E-10	7.21E-11	1.23E-10	9.12E-12	2.04E-10	4.10E-11	6.78E-11	2.25E-12	1.11E-10
5821	740285.98	4112509.84	4.90E-10	8.92E-10	4.90E-11	1.43E-09	7.59E-11	1.46E-10	7.35E-12	2.30E-10	7.38E-11	1.26E-10	9.33E-12	2.09E-10	4.20E-11	6.94E-11	2.30E-12	1.14E-10
5822	740266.19	4112496.17	5.00E-10	9.12E-10	5.01E-11	1.46E-09	7.76E-11	1.49E-10	7.51E-12	2.35E-10	7.55E-11	1.29E-10	9.54E-12	2.14E-10	4.29E-11	7.10E-11	2.35E-12	1.16E-10
5823	740246.4	4112482.5	5.10E-10	9.30E-10	5.11E-11	1.49E-09	7.92E-11	1.53E-10	7.66E-12	2.39E-10	7.70E-11	1.31E-10	9.73E-12	2.18E-10	4.37E-11	7.24E-11	2.40E-12	1.19E-10
5824	740226.6	4112468.83	5.19E-10	9.46E-10	5.19E-11	1.52E-09	8.05E-11	1.55E-10	7.79E-12	2.43E-10	7.83E-11	1.33E-10	9.89E-12	2.22E-10	4.45E-11	7.36E-11	2.44E-12	1.21E-10
5825	740206.81	4112455.16	5.27E-10	9.60E-10	5.27E-11	1.54E-09	8.17E-11	1.57E-10	7.90E-12	2.47E-10	7.94E-11	1.35E-10	1.00E-11	2.25E-10	4.51E-11	7.47E-11	2.47E-12	1.22E-10
5826	740187.01	4112441.48	5.33E-10	9.71E-10	5.33E-11	1.56E-09	8.26E-11	1.59E-10	8.00E-12	2.50E-10	8.03E-11	1.37E-10	1.02E-11	2.27E-10	4.57E-11	7.55E-11	2.50E-12	1.24E-10
5827	740167.22	4112427.81	5.37E-10	9.79E-10	5.38E-11	1.57E-09	8.33E-11	1.61E-10	8.07E-12	2.52E-10	8.10E-11	1.38E-10	1.02E-11	2.29E-10	4.60E-11	7.62E-11	2.53E-12	1.25E-10
5828	740147.43	4112414.14	5.41E-10	9.85E-10	5.41E-11	1.58E-09	8.38E-11	1.61E-10	8.11E-12	2.53E-10	8.15E-11	1.39E-10	1.03E-11	2.31E-10	4.63E-11	7.66E-11	2.54E-12	1.25E-10
5829	740127.63	4112400.47	5.43E-10	9.89E-10	5.43E-11	1.59E-09	8.41E-11	1.62E-10	8.14E-12	2.54E-10	8.18E-11	1.39E-10	1.03E-11	2.32E-10	4.65E-11	7.69E-11	2.55E-12	1.26E-10
5830	740107.84	4112386.8	5.43E-10	9.90E-10	5.44E-11	1.59E-09	8.43E-11	1.62E-10	8.16E-12	2.55E-10	8.19E-11	1.40E-10	1.04E-11	2.32E-10	4.66E-11	7.70E-11	2.55E-12	1.26E-10
5831	740088.04	4112373.12	5.43E-10	9.90E-10	5.44E-11	1.59E-09	8.43E-11	1.62E-10	8.16E-12	2.55E-10	8.19E-11	1.40E-10	1.04E-11	2.32E-10	4.66E-11	7.70E-11	2.55E-12	1.26E-10
5832	740068.25	4112359.45	5.43E-10	9.89E-10	5.43E-11	1.59E-09	8.42E-11	1.62E-10	8.15E-12	2.55E-10	8.19E-11	1.40E-10	1.03E-11	2.32E-10	4.65E-11	7.70E-11	2.55E-12	1.26E-10
5833	740048.46	4112345.78	5.42E-10	9.88E-10	5.42E-11	1.58E-09	8.40E-11	1.62E-10	8.13E-12	2.54E-10	8.17E-11	1.39E-10	1.03E-11	2.31E-10	4.64E-11	7.68E-11	2.55E-12	1.26E-10
5834	740028.66	4112332.11	5.41E-10	9.86E-10	5.42E-11	1.58E-09	8.39E-11	1.62E-10	8.12E-12	2.54E-10	8.16E-11	1.39E-10	1.03E-11	2.31E-10	4.64E-11	7.67E-11	2.54E-12	1.26E-10
5835	740008.87	4112318.44	5.41E-10	9.85E-10	5.41E-11	1.58E-09	8.39E-11	1.62E-10	8.12E-12	2.54E-10	8.16E-11	1.39E-10	1.03E-11	2.31E-10	4.63E-11	7.67E-11	2.54E-12	1.26E-10
5836	739989.08	4112304.77	5.41E-10	9.86E-10	5.41E-11	1.58E-09	8.39E-11	1.62E-10	8.12E-12	2.54E-10	8.16E-11	1.39E-10	1.03E-11	2.31E-10	4.64E-11	7.67E-11	2.54E-12	1.26E-10
5837	739969.28	4112291.09	5.42E-10	9.87E-10	5.42E-11	1.58E-09	8.40E-11	1.62E-10	8.13E-12	2.54E-10	8.17E-11	1.39E-10	1.03E-11	2.31E-10	4.64E-11	7.68E-11	2.55E-12	1.26E-10
5838	739949.49	4112277.42	5.43E-10	9.90E-10	5.44E-11	1.59E-09	8.43E-11	1.62E-10	8.16E-12	2.55E-10	8.19E-11	1.40E-10	1.04E-11	2.32E-10	4.66E-11	7.70E-11	2.55E-12	1.26E-10
5839	739929.69	4112263.75	5.46E-10	9.95E-10	5.46E-11	1.60E-09	8.47E-11	1.63E-10	8.20E-12	2.56E-10	8.24E-11	1.40E-10	1.04E-11	2.33E-10	4.68E-11	7.74E-11	2.57E-12	1.27E-10
5840	739909.9	4112250.08	5.50E-10	1.00E-09	5.50E-11	1.61E-09	8.53E-11	1.64E-10	8.25E-12	2.58E-10	8.29E-11	1.41E-10	1.05E-11	2.35E-10	4.71E-11	7.80E-11	2.58E-12	1.28E-10
5841	739890.11	4112236.41	5.55E-10	1.01E-09	5.55E-11	1.62E-09	8.61E-11	1.66E-10	8.33E-12	2.60E-10	8.37E-11	1.43E-10	1.06E-11	2.37E-10	4.75E-11	7.87E-11	2.61E-12	1.29E-10
5842	739870.31	4112222.73	5.61E-10	1.02E-09	5.61E-11	1.64E-09	8.70E-11	1.68E-10	8.42E-12	2.63E-10	8.46E-11	1.44E-10	1.07E-11	2.39E-10	4.81E-11	7.95E-11	2.64E-12	1.30E-10
5843	739850.52	4112209.06	5.68E-10	1.03E-09	5.68E-11	1.66E-09	8.81E-11	1.70E-10	8.52E-12	2.66E-10	8.56E-11	1.46E-10	1.08E-11	2.42E-10	4.87E-11	8.05E-11	2.67E-12	1.32E-10
5844	739830.72	4112195.39	5.76E-10	1.05E-09	5.76E-11	1.68E-09	8.93E-11	1.72E-10	8.64E-12	2.70E-10	8.68E-11	1.48E-10	1.10E-11	2.46E-10	4.93E-11	8.17E-11	2.71E-12	1.34E-10
5845	739810.93	4112181.72	5.85E-10	1.07E-09	5.85E-11	1.71E-09	9.07E-11	1.75E-10	8.78E-12	2.74E-10	8.82E-11	1.50E-10	1.11E-11	2.50E-10	5.01E-11	8.29E-11	2.75E-12	1.36E-10
5846	739791.14	4112168.05	5.94E-10	1.08E-09	5.95E-11	1.74E-09	9.21E-11	1.78E-10	8.92E-12	2.79E-10	8.96E-11	1.53E-10	1.13E-11	2.54E-10	5.09E-11	8.42E-11	2.79E-12	1.38E-10
5847	739771.34	4112154.37	6.04E-10	1.10E-09	6.05E-11	1.77E-09	9.37E-11	1.81E-10	9.07E-12	2.83E-10	9.11E-11	1.55E-10	1.15E-11	2.58E-10	5.18E-11	8.57E-11	2.84E-12	1.40E-10
5848	739751.55	4112140.7	6.14E-10	1.12E-09	6.15E-11	1.80E-09	9.53E-11	1.84E-10	9.22E-12	2.88E-10	9.27E-11	1.58E-10	1.17E-11	2.62E-10	5.27E-11	8.71E-11	2.89E-12	1.43E-10
5849	739731.76	4112127.03	6.24E-10	1.14E-09	6.25E-11	1.82E-09	9.68E-11	1.86E-10	9.37E-12	2.93E-10	9.41E-11	1.60E-10	1.19E-11	2.67E-10	5.35E-11	8.85E-11	2.93E-12	1.45E-10
5850	739711.96	4112113.36	6.33E-10	1.15E-09	6.34E-11	1.85E-09	9.82E-11	1.89E-10	9.51E-12	2.97E-10	9.55E-11	1.63E-10	1.21E-11	2.70E-10	5.43E-11	8.98E-11	2.98E-12	1.47E-10
5851	739692.17	4112099.69	6.42E-10	1.17E-09	6.42E-11	1.88E-09	9.95E-11	1.92E-10	9.63E-12	3.01E-10	9.68E-11	1.65E-10	1.22E-11	2.74E-10	5.50E-11	9.10E-11	3.02E-12	1.49E-10
5852	739672.37	4112086.02	6.49E-10	1.18E-09	6.50E-11	1.90E-09	1.01E-10	1.94E-10	9.75E-12	3.04E-10	9.79E-11	1.67E-10	1.24E-11	2.77E-10	5.56E-11	9.21E-11	3.05E-12	1.51E-10

5853	739652.58	4112072.34	6.56E-10	1.20E-09	6.56E-11	1.92E-09	1.02E-10	1.96E-10	9.84E-12	3.08E-10	9.89E-11	1.69E-10	1.25E-11	2.80E-10	5.62E-11	9.30E-11	3.08E-12	1.52E-10
5854	739632.79	4112058.67	6.62E-10	1.21E-09	6.62E-11	1.93E-09	1.03E-10	1.98E-10	9.93E-12	3.10E-10	9.98E-11	1.70E-10	1.26E-11	2.82E-10	5.67E-11	9.38E-11	3.11E-12	1.54E-10
5855	739612.99	4112045	6.67E-10	1.21E-09	6.67E-11	1.95E-09	1.03E-10	1.99E-10	1.00E-11	3.13E-10	1.01E-10	1.71E-10	1.27E-11	2.85E-10	5.71E-11	9.45E-11	3.13E-12	1.55E-10
5856	739593.2	4112031.33	6.71E-10	1.22E-09	6.71E-11	1.96E-09	1.04E-10	2.00E-10	1.01E-11	3.14E-10	1.01E-10	1.72E-10	1.28E-11	2.86E-10	5.75E-11	9.51E-11	3.15E-12	1.56E-10
5857	739573.4	4112017.66	6.74E-10	1.23E-09	6.74E-11	1.97E-09	1.05E-10	2.01E-10	1.01E-11	3.16E-10	1.02E-10	1.73E-10	1.28E-11	2.88E-10	5.77E-11	9.55E-11	3.17E-12	1.56E-10
5858	739553.61	4112003.98	6.77E-10	1.23E-09	6.77E-11	1.98E-09	1.05E-10	2.02E-10	1.02E-11	3.17E-10	1.02E-10	1.74E-10	1.29E-11	2.89E-10	5.80E-11	9.59E-11	3.18E-12	1.57E-10
5859	739533.82	4111990.31	6.79E-10	1.24E-09	6.79E-11	1.98E-09	1.05E-10	2.03E-10	1.02E-11	3.18E-10	1.02E-10	1.75E-10	1.29E-11	2.90E-10	5.82E-11	9.63E-11	3.19E-12	1.58E-10
5860	739514.02	4111976.64	6.81E-10	1.24E-09	6.81E-11	1.99E-09	1.06E-10	2.03E-10	1.02E-11	3.19E-10	1.03E-10	1.75E-10	1.30E-11	2.91E-10	5.83E-11	9.65E-11	3.20E-12	1.58E-10
5861	739494.23	4111962.97	6.82E-10	1.24E-09	6.83E-11	1.99E-09	1.06E-10	2.04E-10	1.02E-11	3.20E-10	1.03E-10	1.75E-10	1.30E-11	2.91E-10	5.85E-11	9.67E-11	3.21E-12	1.58E-10
5862	739474.43	4111949.3	6.83E-10	1.25E-09	6.84E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.20E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.85E-11	9.69E-11	3.21E-12	1.59E-10
5863	739454.64	4111935.62	6.84E-10	1.25E-09	6.84E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.21E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.86E-11	9.70E-11	3.21E-12	1.59E-10
5864	739434.85	4111921.95	6.84E-10	1.25E-09	6.84E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.21E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.86E-11	9.70E-11	3.21E-12	1.59E-10
5865	739415.05	4111908.28	6.84E-10	1.25E-09	6.84E-11	2.00E-09	1.06E-10	2.04E-10	1.03E-11	3.21E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.86E-11	9.69E-11	3.21E-12	1.59E-10
5866	739395.26	4111894.61	6.83E-10	1.24E-09	6.83E-11	2.00E-09	1.06E-10	2.04E-10	1.02E-11	3.20E-10	1.03E-10	1.76E-10	1.30E-11	2.92E-10	5.85E-11	9.68E-11	3.21E-12	1.59E-10
5867	739375.47	4111880.94	6.81E-10	1.24E-09	6.82E-11	1.99E-09	1.06E-10	2.04E-10	1.02E-11	3.19E-10	1.03E-10	1.75E-10	1.30E-11	2.91E-10	5.84E-11	9.66E-11	3.20E-12	1.58E-10
5868	739355.67	4111867.27	6.79E-10	1.24E-09	6.79E-11	1.98E-09	1.05E-10	2.03E-10	1.02E-11	3.18E-10	1.02E-10	1.75E-10	1.29E-11	2.90E-10	5.82E-11	9.63E-11	3.19E-12	1.58E-10
5869	739335.88	4111853.59	6.76E-10	1.23E-09	6.77E-11	1.98E-09	1.05E-10	2.02E-10	1.02E-11	3.17E-10	1.02E-10	1.74E-10	1.29E-11	2.89E-10	5.80E-11	9.59E-11	3.18E-12	1.57E-10
5870	743656.7	4112746.93	1.99E-10	3.63E-10	1.99E-11	5.82E-10	3.09E-11	5.95E-11	2.99E-12	9.34E-11	3.00E-11	5.12E-11	3.80E-12	8.50E-11	1.71E-11	2.82E-11	9.36E-13	4.63E-11
5871	743676.81	4112733.44	1.96E-10	3.57E-10	1.96E-11	5.73E-10	3.04E-11	5.86E-11	2.94E-12	9.19E-11	2.96E-11	5.04E-11	3.74E-12	8.37E-11	1.68E-11	2.78E-11	9.21E-13	4.55E-11
5872	743696.92	4112719.95	1.93E-10	3.51E-10	1.93E-11	5.63E-10	2.99E-11	5.76E-11	2.89E-12	9.04E-11	2.91E-11	4.95E-11	3.67E-12	8.23E-11	1.65E-11	2.73E-11	9.06E-13	4.47E-11
5873	743717.03	4112706.46	1.90E-10	3.46E-10	1.90E-11	5.56E-10	2.95E-11	5.68E-11	2.85E-12	8.91E-11	2.87E-11	4.89E-11	3.62E-12	8.12E-11	1.63E-11	2.70E-11	8.94E-13	4.41E-11
5874	743737.14	4112692.97	1.87E-10	3.41E-10	1.87E-11	5.46E-10	2.90E-11	5.59E-11	2.81E-12	8.77E-11	2.82E-11	4.81E-11	3.56E-12	7.98E-11	1.60E-11	2.65E-11	8.79E-13	4.34E-11
5875	743757.25	4112679.47	1.81E-10	3.31E-10	1.81E-11	5.30E-10	2.81E-11	5.42E-11	2.72E-12	8.50E-11	2.74E-11	4.66E-11	3.46E-12	7.74E-11	1.55E-11	2.57E-11	8.52E-13	4.21E-11
5876	743777.36	4112665.98	1.78E-10	3.24E-10	1.78E-11	5.20E-10	2.76E-11	5.32E-11	2.67E-12	8.34E-11	2.68E-11	4.57E-11	3.39E-12	7.60E-11	1.52E-11	2.52E-11	8.36E-13	4.13E-11
5877	743797.47	4112652.49	1.75E-10	3.18E-10	1.75E-11	5.10E-10	2.71E-11	5.22E-11	2.62E-12	8.19E-11	2.63E-11	4.49E-11	3.33E-12	7.45E-11	1.50E-11	2.48E-11	8.21E-13	4.05E-11
5878	743817.58	4112639	1.72E-10	3.13E-10	1.72E-11	5.02E-10	2.66E-11	5.13E-11	2.58E-12	8.05E-11	2.59E-11	4.41E-11	3.27E-12	7.33E-11	1.47E-11	2.44E-11	8.07E-13	3.99E-11
5879	743837.69	4112625.5	1.70E-10	3.09E-10	1.70E-11	4.96E-10	2.63E-11	5.07E-11	2.55E-12	7.96E-11	2.56E-11	4.36E-11	3.23E-12	7.25E-11	1.45E-11	2.41E-11	7.98E-13	3.94E-11
5880	743857.8	4112612.01	1.68E-10	3.07E-10	1.69E-11	4.92E-10	2.61E-11	5.03E-11	2.53E-12	7.90E-11	2.54E-11	4.33E-11	3.21E-12	7.19E-11	1.44E-11	2.39E-11	7.92E-13	3.91E-11
5881	743877.91	4112598.52	1.68E-10	3.06E-10	1.68E-11	4.91E-10	2.61E-11	5.02E-11	2.52E-12	7.88E-11	2.53E-11	4.32E-11	3.20E-12	7.17E-11	1.44E-11	2.38E-11	7.90E-13	3.90E-11
5882	743898.02	4112585.03	1.69E-10	3.07E-10	1.69E-11	4.93E-10	2.62E-11	5.04E-11	2.53E-12	7.91E-11	2.54E-11	4.34E-11	3.22E-12	7.20E-11	1.45E-11	2.39E-11	7.93E-13	3.92E-11
5883	743918.13	4112571.53	1.70E-10	3.11E-10	1.71E-11	4.98E-10	2.64E-11	5.09E-11	2.56E-12	7.99E-11	2.57E-11	4.38E-11	3.25E-12	7.28E-11	1.46E-11	2.42E-11	8.01E-13	3.96E-11

			T2		5	T2L3			T4I			T4F		
			1	742157.60	4109901.96									
			1.60E-02	2.91E-02	1.60E-03	2.47E-03	4.77E-03	2.40E-04	2.41E-03	4.10E-03	3.04E-04	1.37E-03	2.26E-03	7.50E-05
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	742157.6	4109901.96	1.60E-02	2.91E-02	1.60E-03	2.47E-03	4.77E-03	2.40E-04	2.41E-03	4.10E-03	3.04E-04	1.37E-03	2.26E-03	7.50E-05
2	742144.05	4109881.59	1.33E-02	2.42E-02	1.33E-03	2.06E-03	3.96E-03	1.99E-04	2.00E-03	3.41E-03	2.53E-04	1.14E-03	1.88E-03	6.23E-05
3	742130.5	4109861.23	1.14E-02	2.08E-02	1.14E-03	1.77E-03	3.41E-03	1.71E-04	1.72E-03	2.93E-03	2.18E-04	9.78E-04	1.62E-03	5.37E-05
4	742116.95	4109840.87	9.29E-03	1.69E-02	9.29E-04	1.44E-03	2.77E-03	1.39E-04	1.40E-03	2.39E-03	1.77E-04	7.96E-04	1.32E-03	4.36E-05
5	742236.31	4109988.28	8.90E-03	1.62E-02	8.90E-04	1.38E-03	2.66E-03	1.34E-04	1.34E-03	2.29E-03	1.70E-04	7.63E-04	1.26E-03	4.18E-05
6	742229.43	4110022.89	5.45E-03	9.93E-03	5.45E-04	8.45E-04	1.63E-03	8.18E-05	8.22E-04	1.40E-03	1.04E-04	4.67E-04	7.73E-04	2.56E-05
7	742178.41	4109888.11	1.33E-02	2.43E-02	1.33E-03	2.07E-03	3.99E-03	2.00E-04	2.01E-03	3.43E-03	2.54E-04	1.14E-03	1.89E-03	6.27E-05
8	742164.86	4109867.74	1.05E-02	1.91E-02	1.05E-03	1.62E-03	3.13E-03	1.57E-04	1.58E-03	2.69E-03	2.00E-04	8.97E-04	1.48E-03	4.92E-05
9	742151.31	4109847.38	8.78E-03	1.60E-02	8.78E-04	1.36E-03	2.62E-03	1.32E-04	1.32E-03	2.26E-03	1.67E-04	7.52E-04	1.24E-03	4.12E-05
10	742137.77	4109827.02	7.14E-03	1.30E-02	7.15E-04	1.11E-03	2.13E-03	1.07E-04	1.08E-03	1.84E-03	1.36E-04	6.12E-04	1.01E-03	3.36E-05
11	742257.13	4109974.43	8.64E-03	1.57E-02	8.64E-04	1.34E-03	2.58E-03	1.30E-04	1.30E-03	2.22E-03	1.65E-04	7.40E-04	1.22E-03	4.06E-05
12	742253.95	4110027.77	4.04E-03	7.37E-03	4.05E-04	6.27E-04	1.21E-03	6.07E-05	6.10E-04	1.04E-03	7.71E-05	3.46E-04	5.73E-04	1.90E-05
13	742199.22	4109874.26	1.14E-02	2.07E-02	1.14E-03	1.77E-03	3.40E-03	1.71E-04	1.72E-03	2.93E-03	2.17E-04	9.75E-04	1.61E-03	5.35E-05
14	742185.68	4109853.9	8.58E-03	1.56E-02	8.59E-04	1.33E-03	2.56E-03	1.29E-04	1.29E-03	2.21E-03	1.64E-04	7.35E-04	1.22E-03	4.03E-05
15	742172.13	4109833.53	7.09E-03	1.29E-02	7.09E-04	1.10E-03	2.12E-03	1.06E-04	1.07E-03	1.82E-03	1.35E-04	6.07E-04	1.01E-03	3.33E-05
16	742158.58	4109813.17	5.81E-03	1.06E-02	5.81E-04	9.01E-04	1.74E-03	8.72E-05	8.76E-04	1.49E-03	1.11E-04	4.98E-04	8.23E-04	2.73E-05
17	742277.94	4109960.58	8.21E-03	1.50E-02	8.21E-04	1.27E-03	2.45E-03	1.23E-04	1.24E-03	2.11E-03	1.56E-04	7.03E-04	1.16E-03	3.86E-05
18	742285.35	4109998.03	4.23E-03	7.71E-03	4.23E-04	6.56E-04	1.26E-03	6.35E-05	6.38E-04	1.09E-03	8.07E-05	3.63E-04	6.00E-04	1.99E-05
19	742278.47	4110032.64	3.11E-03	5.66E-03	3.11E-04	4.82E-04	9.28E-04	4.66E-05	4.68E-04	7.98E-04	5.92E-05	2.66E-04	4.40E-04	1.46E-05
20	742257.29	4110064.41	2.69E-03	4.91E-03	2.69E-04	4.18E-04	8.05E-04	4.04E-05	4.06E-04	6.92E-04	5.13E-05	2.31E-04	3.82E-04	1.27E-05
21	742220.04	4109860.41	9.68E-03	1.76E-02	9.69E-04	1.50E-03	2.89E-03	1.45E-04	1.46E-03	2.49E-03	1.84E-04	8.30E-04	1.37E-03	4.55E-05
22	742206.49	4109840.05	7.19E-03	1.31E-02	7.20E-04	1.12E-03	2.15E-03	1.08E-04	1.08E-03	1.85E-03	1.37E-04	6.16E-04	1.02E-03	3.38E-05
23	742192.94	4109819.68	5.93E-03	1.08E-02	5.93E-04	9.19E-04	1.77E-03	8.89E-05	8.93E-04	1.52E-03	1.13E-04	5.08E-04	8.40E-04	2.78E-05
24	742179.39	4109799.32	4.89E-03	8.92E-03	4.90E-04	7.59E-04	1.46E-03	7.35E-05	7.38E-04	1.26E-03	9.33E-05	4.19E-04	6.94E-04	2.30E-05
25	742320.31	4109936.63	6.32E-03	1.15E-02	6.32E-04	9.80E-04	1.89E-03	9.48E-05	9.53E-04	1.62E-03	1.20E-04	5.41E-04	8.96E-04	2.97E-05
26	742324.75	4109959.1	4.39E-03	7.99E-03	4.39E-04	6.80E-04	1.31E-03	6.58E-05	6.61E-04	1.13E-03	8.36E-05	3.76E-04	6.22E-04	2.06E-05
27	742329.2	4109981.57	3.29E-03	6.00E-03	3.29E-04	5.11E-04	9.84E-04	4.94E-05	4.97E-04	8.46E-04	6.27E-05	2.82E-04	4.67E-04	1.55E-05
28	742333.65	4110004.04	2.60E-03	4.73E-03	2.60E-04	4.03E-04	7.76E-04	3.90E-05	3.91E-04	6.67E-04	4.95E-05	2.22E-04	3.68E-04	1.22E-05
29	742325.39	4110045.57	1.99E-03	3.62E-03	1.99E-04	3.08E-04	5.94E-04	2.98E-05	3.00E-04	5.11E-04	3.79E-05	1.70E-04	2.82E-04	9.34E-06
30	742312.68	4110064.63	1.87E-03	3.40E-03	1.87E-04	2.90E-04	5.58E-04	2.80E-05	2.82E-04	4.80E-04	3.56E-05	1.60E-04	2.65E-04	8.78E-06
31	742299.97	4110083.69	1.75E-03	3.19E-03	1.75E-04	2.72E-04	5.23E-04	2.63E-05	2.64E-04	4.50E-04	3.34E-05	1.50E-04	2.48E-04	8.23E-06
32	742287.26	4110102.75	1.64E-03	2.99E-03	1.64E-04	2.55E-04	4.91E-04	2.47E-05	2.48E-04	4.23E-04	3.13E-05	1.41E-04	2.33E-04	7.72E-06
33	742319.5	4109887.29	1.15E-02	2.09E-02	1.15E-03	1.78E-03	3.43E-03	1.72E-04	1.73E-03	2.95E-03	2.19E-04	9.85E-04	1.63E-03	5.40E-05
34	742305.95	4109866.93	1.21E-02	2.21E-02	1.21E-03	1.88E-03	3.63E-03	1.82E-04	1.83E-03	3.12E-03	2.31E-04	1.04E-03	1.72E-03	5.70E-05
35	742285.44	4109848.89	1.07E-02	1.94E-02	1.07E-03	1.65E-03	3.19E-03	1.60E-04	1.61E-03	2.74E-03	2.03E-04	9.14E-04	1.51E-03	5.01E-05
36	742271.89	4109828.53	6.85E-03	1.25E-02	6.85E-04	1.06E-03	2.05E-03	1.03E-04	1.03E-03	1.76E-03	1.30E-04	5.87E-04	9.71E-04	3.22E-05
37	742258.34	4109808.16	5.14E-03	9.37E-03	5.15E-04	7.97E-04	1.54E-03	7.72E-05	7.75E-04	1.32E-03	9.80E-05	4.41E-04	7.29E-04	2.42E-05
38	742234.57	4109791.99	4.42E-03	8.05E-03	4.42E-04	6.85E-04	1.32E-03	6.63E-05	6.66E-04	1.14E-03	8.42E-05	3.79E-04	6.26E-04	2.08E-05
39	742221.02	4109771.62	3.70E-03	6.74E-03	3.70E-04	5.73E-04	1.10E-03	5.55E-05	5.57E-04	9.50E-04	7.04E-05	3.17E-04	5.24E-04	1.74E-05
40	742207.47	4109751.26	3.05E-03	5.55E-03	3.05E-04	4.72E-04	9.10E-04	4.57E-05	4.59E-04	7.83E-04	5.81E-05	2.61E-04	4.32E-04	1.43E-05
41	742361.72	4109907.86	4.69E-03	8.55E-03	4.70E-04	7.28E-04	1.40E-03	7.05E-05	7.08E-04	1.21E-03	8.95E-05	4.02E-04	6.66E-04	2.21E-05
42	742370.19	4109950.66	2.97E-03	5.40E-03	2.97E-04	4.60E-04	8.86E-04	4.45E-05	4.47E-04	7.62E-04	5.65E-05	2.54E-04	4.21E-04	1.39E-05
43	742378.67	4109993.47	2.03E-03	3.70E-03	2.03E-04	3.15E-04	6.07E-04	3.05E-05	3.06E-04	5.22E-04	3.87E-05	1.74E-04	2.88E-04	9.55E-06
44	742375.03	4110054.42	1.42E-03	2.59E-03	1.42E-04	2.20E-04	4.24E-04	2.13E-05	2.14E-04	3.65E-04	2.70E-05	1.22E-04	2.01E-04	6.67E-06
45	742350.82	4110090.73	1.29E-03	2.35E-03	1.29E-04	2.00E-04	3.85E-04	1.93E-05	1.94E-04	3.31E-04	2.45E-05	1.10E-04	1.83E-04	6.05E-06
46	742326.62	4110127.03	1.17E-03	2.13E-03	1.17E-04	1.81E-04	3.49E-04	1.75E-05	1.76E-04	3.00E-04	2.22E-05	1.00E-04	1.65E-04	5.48E-06
47	742343.94	4109866.09	7.20E-03	1.31E-02	7.20E-04	1.12E-03	2.15E-03	1.08E-04	1.09E-03	1.85E-03	1.37E-04	6.17E-04	1.02E-03	3.38E-05
48	742330.39	4109845.73	7.44E-03	1.36E-02	7.44E-04	1.15E-03	2.22E-03	1.12E-04	1.12E-03	1.91E-03	1.42E-04	6.37E-04	1.05E-03	3.50E-05
49	742316.84	4109825.37	6.46E-03	1.18E-02	6.46E-04	1.00E-03	1.93E-03	9.69E-05	9.74E-04	1.66E-03	1.23E-04	5.53E-04	9.16E-04	3.03E-05
50	742303.29	4109805.01	5.09E-03	9.28E-03	5.10E-04	7.90E-04	1.52E-03	7.64E-05	7.68E-04	1.31E-03	9.70E-05	4.36E-04	7.22E-04	2.39E-05
51	742289.74	4109784.65	4.10E-03	7.47E-03	4.10E-04	6.35E-04	1.22E-03	6.15E-05	6.18E-04	1.05E-03	7.81E-05	3.51E-04	5.81E-04	1.93E-05
52	742276.19	4109764.29	3.44E-03	6.27E-03	3.44E-04	5.33E-04	1.03E-03	5.16E-05	5.19E-04	8.84E-04	6.55E-05	2.95E-04	4.88E-04	1.62E-05
53	742262.64	4109743.93	2.92E-03	5.33E-03	2.93E-04	4.53E-04	8.74E-04	4.39E-05	4.41E-04	7.52E-04	5.57E-05	2.51E-04	4.15E-04	1.37E-05
54	742249.1	4109723.56	2.47E-03	4.50E-03	2.47E-04	3.83E-04	7.39E-04	3.71E-05	3.73E-04	6.36E-04	4.71E-05	2.12E-04	3.51E-04	1.16E-05
55	742403.75	4109882.16	3.30E-03	6.02E-03	3.30E-04	5.12E-04	9.87E-04	4.96E-05	4.98E-04	8.49E-04	6.29E-05	2.83E-04	4.68E-04	1.55E-05
56	742408.38	4109905.57	2.81E-03	5.11E-03	2.81E-04	4.35E-04	8.38E-04	4.21E-05	4.23E-04	7.21E-04	5.35E-05	2.40E-04	3.98E-04	1.32E-05
57	742413.01	4109928.98	2.35E-03	4.28E-03	2.35E-04	3.65E-04	7.02E-04	3.53E-05	3.55E-04	6.04E-04	4.48E-05	2.01E-04	3.33E-04	1.11E-05
58	742417.64	4109952.39	1.98E-03	3.61E-03	1.98E-04	3.07E-04	5.92E-04	2.97E-05	2.99E-04	5.10E-04	3.78E-05	1.70E-04	2.81E-04	9.31E-06
59	742422.28	4109975.8	1.69E-03	3.07E-03	1.69E-04	2.62E-04	5.04E-04	2.53E-05	2.54E-04	4.34E-04	3.22E-05	1.45E-04	2.39E-04	7.93E-06
60	742426.91	4109999.21	1.45E-03	2.64E-03	1.45E-04	2.25E-04	4.33E-04	2.18E-05	2.19E-04	3.73E-04	2.76E-05	1.24E-04	2.06E-04	6.82E-06
61	742431.54	4110022.62	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.76E-04	1.89E-05	1.90E-04	3.24E-04	2.40E-05	1.08E-04	1.79E-04	5.92E-06
62	742422.94	4110065.88	1.07E-03	1.95E-03	1.07E-04	1.66E-04	3.19E-04	1.60E-05	1.61E-04	2.75E-04	2.03E-05	9.15E-05	1.51E-04	5.02E-06
63	742409.7	4110085.73	1.03E-03	1.87E-03	1.03E-04	1.59E-04	3.06E-04	1.54E-05	1.55E-04	2.64E-04	1.95E-05	8.79E-05	1.45E-04	4.82E-06
64	742396.46	4110105.59	9.81E-04	1.79E-03	9.81E-05	1.52E-04	2.93E-04	1.47E-05	1.48E-04	2.52E-04	1.87E-05	8.40E-05	1.39E-04	4.61E-06
65	742383.22	4110125.44	9.36E-04	1.71E-03	9.37E-05	1.45E-04	2.80E-04	1.41E-05	1.41E-04	2.41E-04	1.78E-05	8.02E-05	1.33E-04	4.40E-06
66	742369.98	4110145.29	8.95E-04	1.63E-03	8.95E-05	1.39E-04	2.67E-04	1.34E-05	1.35E-04	2.30E-04	1.70E-05	7.66E-05	1.27E-04	4.20E-06
67	742356.74	4110165.15	8.55E-04	1.56E-03	8.55E-05	1.33E-04	2.55E-04	1.28E-05	1.29E-04	2.20E-04	1.63E-05	7.33E-05	1.21E-04	4.02E-06
68	742343.51	4110185	8.15E-04	1.49E-03	8.16E-05	1.26E-04	2.44E-04	1.22E-05	1.23E-04	2.10E-04	1.55E-05	6.99E-05	1.16E-04	3.83E-06
69	742399.11	4109858.75	3.74E-03	6.82E-03	3.74E-04	5.80E-04	1.12E-03	5.62E-05	5.64E-04	9.62E-04	7.13E-05	3.21E-04	5.31E-04	1.76E-05

70	742385.56	4109838.39	4.31E-03	7.85E-03	4.31E-04	6.68E-04	1.29E-03	6.46E-05	6.49E-04	1.11E-03	8.21E-05	3.69E-04	6.11E-04	2.02E-05
71	742372.01	4109818.03	4.49E-03	8.18E-03	4.49E-04	6.96E-04	1.34E-03	6.74E-05	6.77E-04	1.15E-03	8.56E-05	3.85E-04	6.37E-04	2.11E-05
72	742358.47	4109797.67	4.22E-03	7.69E-03	4.22E-04	6.55E-04	1.26E-03	6.34E-05	6.37E-04	1.09E-03	8.04E-05	3.62E-04	5.99E-04	1.98E-05
73	742344.92	4109777.31	3.71E-03	6.75E-03	3.71E-04	5.75E-04	1.11E-03	5.56E-05	5.59E-04	9.53E-04	7.06E-05	3.18E-04	5.25E-04	1.74E-05
74	742331.37	4109756.95	3.18E-03	5.79E-03	3.18E-04	4.93E-04	9.50E-04	4.77E-05	4.79E-04	8.17E-04	6.06E-05	2.72E-04	4.51E-04	1.49E-05
75	742317.82	4109736.59	2.74E-03	4.99E-03	2.74E-04	4.25E-04	8.18E-04	4.11E-05	4.13E-04	7.04E-04	5.22E-05	2.35E-04	3.88E-04	1.29E-05
76	742304.27	4109716.23	2.37E-03	4.32E-03	2.37E-04	3.68E-04	7.08E-04	3.56E-05	3.58E-04	6.09E-04	4.52E-05	2.03E-04	3.36E-04	1.11E-05
77	742290.72	4109695.86	2.04E-03	3.72E-03	2.05E-04	3.17E-04	6.11E-04	3.07E-05	3.08E-04	5.25E-04	3.90E-05	1.75E-04	2.90E-04	9.61E-06
78	742445.19	4109853.53	2.49E-03	4.54E-03	2.49E-04	3.86E-04	7.44E-04	3.74E-05	3.76E-04	6.40E-04	4.75E-05	2.13E-04	3.53E-04	1.17E-05
79	742449.63	4109876	2.24E-03	4.07E-03	2.24E-04	3.47E-04	6.68E-04	3.36E-05	3.37E-04	5.75E-04	4.26E-05	1.92E-04	3.17E-04	1.05E-05
80	742454.08	4109898.47	1.97E-03	3.60E-03	1.98E-04	3.06E-04	5.90E-04	2.96E-05	2.98E-04	5.08E-04	3.76E-05	1.69E-04	2.80E-04	9.28E-06
81	742458.53	4109920.95	1.73E-03	3.15E-03	1.73E-04	2.68E-04	5.17E-04	2.60E-05	2.61E-04	4.45E-04	3.30E-05	1.48E-04	2.45E-04	8.13E-06
82	742462.98	4109943.42	1.52E-03	2.77E-03	1.52E-04	2.35E-04	4.53E-04	2.28E-05	2.29E-04	3.90E-04	2.89E-05	1.30E-04	2.15E-04	7.13E-06
83	742467.42	4109965.89	1.34E-03	2.44E-03	1.34E-04	2.08E-04	4.00E-04	2.01E-05	2.02E-04	3.44E-04	2.55E-05	1.15E-04	1.90E-04	6.29E-06
84	742471.87	4109988.36	1.19E-03	2.16E-03	1.19E-04	1.84E-04	3.55E-04	1.78E-05	1.79E-04	3.05E-04	2.26E-05	1.02E-04	1.68E-04	5.58E-06
85	742476.32	4110010.83	1.06E-03	1.93E-03	1.06E-04	1.64E-04	3.16E-04	1.59E-05	1.60E-04	2.72E-04	2.02E-05	9.06E-05	1.50E-04	4.97E-06
86	742480.77	4110033.31	9.46E-04	1.72E-03	9.47E-05	1.47E-04	2.83E-04	1.42E-05	1.43E-04	2.43E-04	1.80E-05	8.11E-05	1.34E-04	4.45E-06
87	742472.51	4110074.84	8.36E-04	1.52E-03	8.36E-05	1.30E-04	2.50E-04	1.25E-05	1.26E-04	2.15E-04	1.59E-05	7.16E-05	1.18E-04	3.93E-06
88	742459.8	4110093.9	8.15E-04	1.49E-03	8.16E-05	1.26E-04	2.44E-04	1.22E-05	1.23E-04	2.10E-04	1.55E-05	6.99E-05	1.16E-04	3.83E-06
89	742447.09	4110112.96	7.89E-04	1.44E-03	7.90E-05	1.22E-04	2.36E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.76E-05	1.12E-04	3.71E-06
90	742434.38	4110132.02	7.61E-04	1.39E-03	7.61E-05	1.18E-04	2.27E-04	1.14E-05	1.15E-04	1.96E-04	1.45E-05	6.52E-05	1.08E-04	3.57E-06
91	742421.67	4110151.08	7.32E-04	1.33E-03	7.33E-05	1.14E-04	2.19E-04	1.10E-05	1.10E-04	1.88E-04	1.40E-05	6.27E-05	1.04E-04	3.44E-06
92	742408.96	4110170.14	7.05E-04	1.28E-03	7.05E-05	1.09E-04	2.11E-04	1.06E-05	1.06E-04	1.81E-04	1.34E-05	6.04E-05	1.00E-04	3.31E-06
93	742396.25	4110189.2	6.79E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.81E-05	9.62E-05	3.19E-06
94	742383.54	4110208.26	6.51E-04	1.19E-03	6.52E-05	1.01E-04	1.95E-04	9.77E-06	9.82E-05	1.67E-04	1.24E-05	5.58E-05	9.23E-05	3.06E-06
95	742370.83	4110227.31	6.22E-04	1.13E-03	6.22E-05	9.65E-05	1.86E-04	9.34E-06	9.38E-05	1.60E-04	1.19E-05	5.33E-05	8.82E-05	2.92E-06
96	742440.74	4109831.06	2.70E-03	4.92E-03	2.70E-04	4.19E-04	8.07E-04	4.05E-05	4.07E-04	6.94E-04	5.14E-05	2.31E-04	3.83E-04	1.27E-05
97	742427.19	4109810.69	3.00E-03	5.46E-03	3.00E-04	4.65E-04	8.95E-04	4.50E-05	4.52E-04	7.70E-04	5.71E-05	2.57E-04	4.25E-04	1.41E-05
98	742413.64	4109790.33	3.12E-03	5.68E-03	3.12E-04	4.84E-04	9.32E-04	4.68E-05	4.70E-04	8.02E-04	5.94E-05	2.67E-04	4.42E-04	1.47E-05
99	742400.09	4109769.97	3.04E-03	5.53E-03	3.04E-04	4.71E-04	9.07E-04	4.56E-05	4.58E-04	7.81E-04	5.79E-05	2.60E-04	4.31E-04	1.43E-05
100	742386.54	4109749.61	2.81E-03	5.12E-03	2.81E-04	4.36E-04	8.39E-04	4.22E-05	4.24E-04	7.22E-04	5.35E-05	2.41E-04	3.98E-04	1.32E-05
101	742373	4109729.25	2.52E-03	4.59E-03	2.52E-04	3.90E-04	7.52E-04	3.78E-05	3.80E-04	6.47E-04	4.80E-05	2.16E-04	3.57E-04	1.18E-05
102	742359.45	4109708.89	2.22E-03	4.05E-03	2.22E-04	3.45E-04	6.64E-04	3.34E-05	3.35E-04	5.71E-04	4.24E-05	1.90E-04	3.15E-04	1.04E-05
103	742345.9	4109688.53	1.96E-03	3.56E-03	1.96E-04	3.03E-04	5.84E-04	2.93E-05	2.95E-04	5.03E-04	3.73E-05	1.68E-04	2.77E-04	9.19E-06
104	742332.35	4109668.17	1.71E-03	3.12E-03	1.72E-04	2.66E-04	5.12E-04	2.57E-05	2.59E-04	4.41E-04	3.27E-05	1.47E-04	2.43E-04	8.06E-06
105	742528.55	4109798.71	1.57E-03	2.86E-03	1.57E-04	2.43E-04	4.69E-04	2.35E-05	2.37E-04	4.03E-04	2.99E-05	1.34E-04	2.22E-04	7.37E-06
106	742533.12	4109821.75	1.46E-03	2.66E-03	1.46E-04	2.27E-04	4.37E-04	2.19E-05	2.20E-04	3.76E-04	2.79E-05	1.25E-04	2.07E-04	6.87E-06
107	742537.68	4109844.8	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.03E-05	2.04E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.35E-06
108	742542.24	4109867.85	1.24E-03	2.26E-03	1.24E-04	1.93E-04	3.71E-04	1.86E-05	1.87E-04	3.19E-04	2.37E-05	1.06E-04	1.76E-04	5.84E-06
109	742546.8	4109890.9	1.14E-03	2.07E-03	1.14E-04	1.76E-04	3.40E-04	1.71E-05	1.71E-04	2.92E-04	2.17E-05	9.74E-05	1.61E-04	5.34E-06
110	742551.36	4109913.95	1.03E-03	1.89E-03	1.04E-04	1.60E-04	3.09E-04	1.55E-05	1.56E-04	2.66E-04	1.97E-05	8.87E-05	1.47E-04	4.86E-06
111	742555.92	4109937	9.40E-04	1.71E-03	9.40E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.42E-04	1.79E-05	8.05E-05	1.33E-04	4.42E-06
112	742560.49	4109960.05	8.54E-04	1.56E-03	8.55E-05	1.32E-04	2.55E-04	1.28E-05	1.29E-04	2.20E-04	1.63E-05	7.32E-05	1.21E-04	4.02E-06
113	742565.05	4109983.09	7.79E-04	1.42E-03	7.80E-05	1.21E-04	2.33E-04	1.17E-05	1.18E-04	2.00E-04	1.48E-05	6.68E-05	1.10E-04	3.66E-06
114	742569.61	4110006.14	7.13E-04	1.30E-03	7.14E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.83E-04	1.36E-05	6.11E-05	1.01E-04	3.35E-06
115	742574.17	4110029.19	6.55E-04	1.19E-03	6.56E-05	1.02E-04	1.96E-04	9.83E-06	9.88E-05	1.68E-04	1.25E-05	5.61E-05	9.29E-05	3.08E-06
116	742578.73	4110052.24	6.04E-04	1.10E-03	6.04E-05	9.37E-05	1.80E-04	9.06E-06	9.11E-05	1.55E-04	1.15E-05	5.17E-05	8.56E-05	2.84E-06
117	742570.26	4110094.84	5.53E-04	1.01E-03	5.54E-05	8.58E-05	1.65E-04	8.31E-06	8.34E-05	1.42E-04	1.05E-05	4.74E-05	7.85E-05	2.60E-06
118	742557.22	4110114.39	5.46E-04	9.96E-04	5.47E-05	8.47E-05	1.63E-04	8.20E-06	8.24E-05	1.40E-04	1.04E-05	4.68E-05	7.75E-05	2.57E-06
119	742544.19	4110133.93	5.38E-04	9.80E-04	5.38E-05	8.34E-05	1.61E-04	8.07E-06	8.11E-05	1.38E-04	1.02E-05	4.61E-05	7.63E-05	2.53E-06
120	742531.15	4110153.48	5.27E-04	9.61E-04	5.27E-05	8.17E-05	1.57E-04	7.91E-06	7.95E-05	1.36E-04	1.00E-05	4.52E-05	7.47E-05	2.48E-06
121	742518.12	4110173.03	5.14E-04	9.37E-04	5.15E-05	7.98E-05	1.54E-04	7.72E-06	7.76E-05	1.32E-04	9.80E-06	4.41E-05	7.29E-05	2.42E-06
122	742505.08	4110192.58	5.00E-04	9.10E-04	5.00E-05	7.75E-05	1.49E-04	7.50E-06	7.53E-05	1.28E-04	9.52E-06	4.28E-05	7.08E-05	2.35E-06
123	742492.05	4110212.13	4.84E-04	8.82E-04	4.84E-05	7.51E-05	1.45E-04	7.27E-06	7.30E-05	1.24E-04	9.22E-06	4.15E-05	6.86E-05	2.27E-06
124	742479.01	4110231.67	4.69E-04	8.54E-04	4.69E-05	7.27E-05	1.40E-04	7.03E-06	7.07E-05	1.20E-04	8.93E-06	4.02E-05	6.64E-05	2.20E-06
125	742465.98	4110251.22	4.52E-04	8.24E-04	4.52E-05	7.01E-05	1.35E-04	6.79E-06	6.82E-05	1.16E-04	8.61E-06	3.87E-05	6.41E-05	2.12E-06
126	742452.94	4110270.77	4.35E-04	7.92E-04	4.35E-05	6.74E-05	1.30E-04	6.53E-06	6.56E-05	1.12E-04	8.29E-06	3.73E-05	6.17E-05	2.04E-06
127	742439.91	4110290.32	4.16E-04	7.58E-04	4.16E-05	6.45E-05	1.24E-04	6.24E-06	6.27E-05	1.07E-04	7.93E-06	3.56E-05	5.90E-05	1.96E-06
128	742426.87	4110309.87	3.96E-04	7.21E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.54E-06	3.39E-05	5.61E-05	1.86E-06
129	742523.99	4109775.66	1.65E-03	3.01E-03	1.65E-04	2.56E-04	4.94E-04	2.48E-05	2.49E-04	4.25E-04	3.15E-05	1.42E-04	2.34E-04	7.77E-06
130	742510.44	4109755.3	1.77E-03	3.23E-03	1.77E-04	2.75E-04	5.30E-04	2.66E-05	2.67E-04	4.56E-04	3.38E-05	1.52E-04	2.51E-04	8.33E-06
131	742496.89	4109734.94	1.83E-03	3.34E-03	1.83E-04	2.84E-04	5.48E-04	2.75E-05	2.76E-04	4.71E-04	3.49E-05	1.57E-04	2.60E-04	8.61E-06
132	742483.35	4109714.57	1.83E-03	3.34E-03	1.83E-04	2.84E-04	5.47E-04	2.75E-05	2.76E-04	4.71E-04	3.49E-05	1.57E-04	2.60E-04	8.60E-06
133	742469.8	4109694.21	1.77E-03	3.23E-03	1.77E-04	2.75E-04	5.30E-04	2.66E-05	2.67E-04	4.56E-04	3.38E-05	1.52E-04	2.51E-04	8.33E-06
134	742456.25	4109673.85	1.67E-03	3.04E-03	1.67E-04	2.59E-04	4.99E-04	2.51E-05	2.52E-04	4.30E-04	3.18E-05	1.43E-04	2.37E-04	7.85E-06
135	742442.7	4109653.49	1.54E-03	2.81E-03	1.54E-04	2.39E-04	4.60E-04	2.31E-05	2.32E-04	3.96E-04	2.93E-05	1.32E-04	2.18E-04	7.24E-06
136	742429.15	4109633.13	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.17E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.56E-06
137	742415.6	4109612.77	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.75E-04	1.88E-05	1.89E-04	3.23E-04	2.39E-05	1.08E-04	1.78E-04	5.90E-06
138	742611.88	4109743.67	1.10E-03	2.01E-03	1.10E-04	1.71E-04	3.29E-04	1.65E-05	1.66E-04	2.83E-04	2.10E-05	9.43E-05	1.56E-04	5.17E-06
139	742616.51	4109767.08	1.04E-03	1.90E-03	1.04E-04	1.62E-04	3.11E-04	1.56E-05	1.57E-04	2.68E-04	1.99E-05	8.93E-05	1.48E-04	4.90E-06
140	742621.14	4109790.49	9.78E-04	1.78E-03	9.78E-05	1.52E-04	2.92E-04	1.47E-05	1.47E-04	2.51E-04	1.86E-05	8.38E-05	1.39E-04	4.60E-06
141	742625.78	4109813.89	9.17E-04	1.67E-03	9.17E-05	1.42E-04	2.74E-04	1.38E-05	1.38E-04	2.36E-04	1.75E-05	7.85E-05	1.30E-04	4.31E-06
142	742630.41	4109837.3	8.60E-04	1.57E-03	8.61E-05	1.33E-04	2.57E-04	1.29E-05	1.30E-04	2.21E-04	1.64E-05	7.37E-05	1.22E-04	4.04E-06

143	742635.04	4109860.71	8.06E-04	1.47E-03	8.07E-05	1.25E-04	2.41E-04	1.21E-05	1.22E-04	2.07E-04	1.54E-05	6.91E-05	1.14E-04	3.79E-06
144	742639.68	4109884.12	7.53E-04	1.37E-03	7.53E-05	1.17E-04	2.25E-04	1.13E-05	1.13E-04	1.93E-04	1.43E-05	6.45E-05	1.07E-04	3.54E-06
145	742644.31	4109907.53	6.99E-04	1.27E-03	6.99E-05	1.08E-04	2.09E-04	1.05E-05	1.05E-04	1.80E-04	1.33E-05	5.99E-05	9.91E-05	3.29E-06
146	742648.94	4109930.94	6.47E-04	1.18E-03	6.48E-05	1.00E-04	1.93E-04	9.72E-06	9.76E-05	1.66E-04	1.23E-05	5.55E-05	9.18E-05	3.04E-06
147	742653.57	4109954.35	5.99E-04	1.09E-03	5.99E-05	9.28E-05	1.79E-04	8.98E-06	9.03E-05	1.54E-04	1.14E-05	5.13E-05	8.49E-05	2.81E-06
148	742658.21	4109977.76	5.54E-04	1.01E-03	5.54E-05	8.59E-05	1.66E-04	8.32E-06	8.36E-05	1.42E-04	1.06E-05	4.75E-05	7.86E-05	2.60E-06
149	742662.84	4110001.16	5.15E-04	9.38E-04	5.15E-05	7.98E-05	1.54E-04	7.72E-06	7.76E-05	1.32E-04	9.81E-06	4.41E-05	7.30E-05	2.42E-06
150	742667.47	4110024.57	4.80E-04	8.75E-04	4.80E-05	7.44E-05	1.43E-04	7.20E-06	7.24E-05	1.23E-04	9.15E-06	4.11E-05	6.81E-05	2.26E-06
151	742672.11	4110047.98	4.50E-04	8.20E-04	4.50E-05	6.98E-05	1.34E-04	6.75E-06	6.78E-05	1.16E-04	8.57E-06	3.86E-05	6.38E-05	2.11E-06
152	742676.74	4110071.39	4.23E-04	7.71E-04	4.24E-05	6.56E-05	1.26E-04	6.35E-06	6.38E-05	1.09E-04	8.07E-06	3.63E-05	6.00E-05	1.99E-06
153	742668.13	4110114.65	3.99E-04	7.26E-04	3.99E-05	6.18E-05	1.19E-04	5.98E-06	6.01E-05	1.02E-04	7.60E-06	3.42E-05	5.65E-05	1.87E-06
154	742654.89	4110134.51	3.96E-04	7.22E-04	3.97E-05	6.15E-05	1.18E-04	5.95E-06	5.98E-05	1.02E-04	7.55E-06	3.40E-05	5.62E-05	1.86E-06
155	742641.66	4110154.36	3.93E-04	7.16E-04	3.93E-05	6.09E-05	1.17E-04	5.90E-06	5.92E-05	1.01E-04	7.49E-06	3.37E-05	5.57E-05	1.85E-06
156	742628.42	4110174.21	3.88E-04	7.07E-04	3.88E-05	6.02E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
157	742615.18	4110194.07	3.82E-04	6.96E-04	3.82E-05	5.93E-05	1.14E-04	5.74E-06	5.76E-05	9.82E-05	7.28E-06	3.27E-05	5.42E-05	1.80E-06
158	742601.94	4110213.92	3.76E-04	6.84E-04	3.76E-05	5.83E-05	1.12E-04	5.64E-06	5.66E-05	9.66E-05	7.16E-06	3.22E-05	5.33E-05	1.77E-06
159	742588.7	4110233.77	3.68E-04	6.71E-04	3.68E-05	5.71E-05	1.10E-04	5.53E-06	5.55E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
160	742575.46	4110253.63	3.59E-04	6.55E-04	3.60E-05	5.57E-05	1.07E-04	5.39E-06	5.42E-05	9.24E-05	6.85E-06	3.08E-05	5.10E-05	1.69E-06
161	742562.22	4110273.48	3.49E-04	6.36E-04	3.49E-05	5.41E-05	1.04E-04	5.24E-06	5.26E-05	8.97E-05	6.65E-06	2.99E-05	4.95E-05	1.64E-06
162	742548.99	4110293.34	3.37E-04	6.15E-04	3.38E-05	5.23E-05	1.01E-04	5.06E-06	5.09E-05	8.67E-05	6.43E-06	2.89E-05	4.78E-05	1.59E-06
163	742535.75	4110313.19	3.25E-04	5.93E-04	3.26E-05	5.04E-05	9.72E-05	4.88E-06	4.91E-05	8.36E-05	6.20E-06	2.79E-05	4.61E-05	1.53E-06
164	742522.51	4110333.04	3.13E-04	5.70E-04	3.13E-05	4.86E-05	9.35E-05	4.70E-06	4.72E-05	8.05E-05	5.97E-06	2.68E-05	4.44E-05	1.47E-06
165	742509.27	4110352.9	3.01E-04	5.48E-04	3.01E-05	4.66E-05	8.99E-05	4.51E-06	4.54E-05	7.73E-05	5.73E-06	2.58E-05	4.26E-05	1.41E-06
166	742496.03	4110372.75	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.61E-05	4.33E-06	4.35E-05	7.41E-05	5.49E-06	2.47E-05	4.09E-05	1.35E-06
167	742482.79	4110392.6	2.76E-04	5.02E-04	2.76E-05	4.27E-05	8.23E-05	4.14E-06	4.16E-05	7.08E-05	5.25E-06	2.36E-05	3.91E-05	1.29E-06
168	742607.24	4109720.26	1.14E-03	2.08E-03	1.14E-04	1.77E-04	3.42E-04	1.72E-05	1.72E-04	2.94E-04	2.18E-05	9.80E-05	1.62E-04	5.38E-06
169	742593.7	4109699.9	1.21E-03	2.20E-03	1.21E-04	1.87E-04	3.60E-04	1.81E-05	1.82E-04	3.10E-04	2.30E-05	1.03E-04	1.71E-04	5.66E-06
170	742580.15	4109679.54	1.24E-03	2.26E-03	1.24E-04	1.92E-04	3.70E-04	1.86E-05	1.87E-04	3.19E-04	2.36E-05	1.06E-04	1.76E-04	5.82E-06
171	742566.6	4109659.18	1.24E-03	2.27E-03	1.24E-04	1.93E-04	3.72E-04	1.87E-05	1.88E-04	3.20E-04	2.37E-05	1.07E-04	1.76E-04	5.85E-06
172	742553.05	4109638.81	1.22E-03	2.23E-03	1.22E-04	1.90E-04	3.65E-04	1.83E-05	1.84E-04	3.14E-04	2.33E-05	1.05E-04	1.73E-04	5.74E-06
173	742539.5	4109618.45	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.52E-04	1.77E-05	1.78E-04	3.03E-04	2.25E-05	1.01E-04	1.67E-04	5.54E-06
174	742525.95	4109598.09	1.12E-03	2.03E-03	1.12E-04	1.73E-04	3.34E-04	1.68E-05	1.68E-04	2.87E-04	2.13E-05	9.57E-05	1.58E-04	5.25E-06
175	742512.4	4109577.73	1.04E-03	1.90E-03	1.04E-04	1.62E-04	3.11E-04	1.56E-05	1.57E-04	2.68E-04	1.99E-05	8.93E-05	1.48E-04	4.90E-06
176	742498.85	4109557.37	9.62E-04	1.75E-03	9.62E-05	1.49E-04	2.87E-04	1.44E-05	1.45E-04	2.47E-04	1.83E-05	8.24E-05	1.36E-04	4.52E-06
177	742695.18	4109688.52	8.25E-04	1.50E-03	8.25E-05	1.28E-04	2.46E-04	1.24E-05	1.24E-04	2.12E-04	1.57E-05	7.07E-05	1.17E-04	3.88E-06
178	742699.86	4109712.17	7.89E-04	1.44E-03	7.90E-05	1.22E-04	2.36E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.76E-05	1.12E-04	3.71E-06
179	742704.54	4109735.83	7.47E-04	1.36E-03	7.48E-05	1.16E-04	2.23E-04	1.12E-05	1.13E-04	1.92E-04	1.42E-05	6.40E-05	1.06E-04	3.51E-06
180	742709.22	4109759.48	7.05E-04	1.28E-03	7.05E-05	1.09E-04	2.11E-04	1.06E-05	1.06E-04	1.81E-04	1.34E-05	6.04E-05	9.99E-05	3.31E-06
181	742713.91	4109783.14	6.66E-04	1.21E-03	6.67E-05	1.03E-04	1.99E-04	1.00E-05	1.00E-04	1.71E-04	1.27E-05	5.71E-05	9.45E-05	3.13E-06
182	742718.59	4109806.79	6.33E-04	1.15E-03	6.33E-05	9.82E-05	1.89E-04	9.50E-06	9.55E-05	1.63E-04	1.21E-05	5.42E-05	8.97E-05	2.97E-06
183	742723.27	4109830.45	6.03E-04	1.10E-03	6.03E-05	9.34E-05	1.80E-04	9.04E-06	9.09E-05	1.55E-04	1.15E-05	5.16E-05	8.54E-05	2.83E-06
184	742727.95	4109854.1	5.72E-04	1.04E-03	5.72E-05	8.87E-05	1.71E-04	8.59E-06	8.63E-05	1.47E-04	1.09E-05	4.90E-05	8.11E-05	2.69E-06
185	742732.63	4109877.76	5.41E-04	9.85E-04	5.41E-05	8.38E-05	1.62E-04	8.12E-06	8.15E-05	1.39E-04	1.03E-05	4.63E-05	7.67E-05	2.54E-06
186	742737.31	4109901.41	5.08E-04	9.26E-04	5.09E-05	7.88E-05	1.52E-04	7.63E-06	7.67E-05	1.31E-04	9.69E-06	4.36E-05	7.21E-05	2.39E-06
187	742742	4109925.07	4.76E-04	8.68E-04	4.77E-05	7.39E-05	1.42E-04	7.15E-06	7.18E-05	1.22E-04	9.08E-06	4.08E-05	6.75E-05	2.24E-06
188	742746.68	4109948.72	4.45E-04	8.12E-04	4.46E-05	6.91E-05	1.33E-04	6.69E-06	6.72E-05	1.15E-04	8.49E-06	3.82E-05	6.32E-05	2.09E-06
189	742751.36	4109972.38	4.17E-04	7.59E-04	4.17E-05	6.46E-05	1.24E-04	6.25E-06	6.28E-05	1.07E-04	7.94E-06	3.57E-05	5.91E-05	1.96E-06
190	742756.04	4109996.03	3.91E-04	7.12E-04	3.91E-05	6.06E-05	1.17E-04	5.86E-06	5.89E-05	1.00E-04	7.44E-06	3.35E-05	5.54E-05	1.84E-06
191	742760.72	4110019.69	3.67E-04	6.70E-04	3.68E-05	5.70E-05	1.10E-04	5.51E-06	5.54E-05	9.45E-05	7.00E-06	3.15E-05	5.21E-05	1.73E-06
192	742765.41	4110043.34	3.48E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
193	742770.09	4110067	3.30E-04	6.02E-04	3.31E-05	5.12E-05	9.87E-05	4.96E-06	4.98E-05	8.49E-05	6.30E-06	2.83E-05	4.68E-05	1.55E-06
194	742774.77	4110090.65	3.15E-04	5.75E-04	3.16E-05	4.89E-05	9.42E-05	4.73E-06	4.76E-05	8.11E-05	6.01E-06	2.70E-05	4.47E-05	1.48E-06
195	742766.07	4110134.37	3.03E-04	5.52E-04	3.03E-05	4.70E-05	9.05E-05	4.55E-06	4.57E-05	7.79E-05	5.77E-06	2.60E-05	4.30E-05	1.42E-06
196	742752.69	4110154.43	3.03E-04	5.52E-04	3.03E-05	4.70E-05	9.05E-05	4.55E-06	4.57E-05	7.79E-05	5.77E-06	2.60E-05	4.30E-05	1.42E-06
197	742739.32	4110174.5	3.02E-04	5.50E-04	3.02E-05	4.68E-05	9.02E-05	4.53E-06	4.55E-05	7.76E-05	5.76E-06	2.59E-05	4.28E-05	1.42E-06
198	742725.94	4110194.56	3.00E-04	5.47E-04	3.00E-05	4.65E-05	8.97E-05	4.50E-06	4.53E-05	7.72E-05	5.72E-06	2.57E-05	4.26E-05	1.41E-06
199	742712.56	4110214.62	2.97E-04	5.41E-04	2.97E-05	4.60E-05	8.87E-05	4.46E-06	4.48E-05	7.63E-05	5.66E-06	2.54E-05	4.21E-05	1.40E-06
200	742699.18	4110234.68	2.93E-04	5.34E-04	2.93E-05	4.54E-05	8.75E-05	4.40E-06	4.42E-05	7.53E-05	5.58E-06	2.51E-05	4.15E-05	1.38E-06
201	742685.8	4110254.75	2.89E-04	5.26E-04	2.89E-05	4.48E-05	8.62E-05	4.33E-06	4.35E-05	7.42E-05	5.50E-06	2.47E-05	4.09E-05	1.36E-06
202	742672.43	4110274.81	2.84E-04	5.18E-04	2.84E-05	4.41E-05	8.49E-05	4.26E-06	4.28E-05	7.30E-05	5.41E-06	2.43E-05	4.03E-05	1.34E-06
203	742659.05	4110294.87	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.33E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
204	742645.67	4110314.93	2.73E-04	4.97E-04	2.73E-05	4.23E-05	8.14E-05	4.09E-06	4.11E-05	7.01E-05	5.19E-06	2.34E-05	3.86E-05	1.28E-06
205	742632.29	4110335	2.65E-04	4.82E-04	2.65E-05	4.10E-05	7.91E-05	3.97E-06	3.99E-05	6.80E-05	5.04E-06	2.27E-05	3.75E-05	1.24E-06
206	742618.91	4110355.06	2.56E-04	4.66E-04	2.56E-05	3.96E-05	7.64E-05	3.84E-06	3.86E-05	6.57E-05	4.87E-06	2.19E-05	3.62E-05	1.20E-06
207	742605.54	4110375.12	2.46E-04	4.49E-04	2.47E-05	3.82E-05	7.36E-05	3.70E-06	3.72E-05	6.33E-05	4.70E-06	2.11E-05	3.49E-05	1.16E-06
208	742592.16	4110395.19	2.38E-04	4.33E-04	2.38E-05	3.68E-05	7.10E-05	3.57E-06	3.58E-05	6.11E-05	4.53E-06	2.04E-05	3.37E-05	1.12E-06
209	742578.78	4110415.25	2.30E-04	4.18E-04	2.30E-05	3.56E-05	6.86E-05	3.45E-06	3.46E-05	5.90E-05	4.37E-06	1.97E-05	3.25E-05	1.08E-06
210	742565.4	4110435.31	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.70E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
211	742552.02	4110455.37	2.14E-04	3.90E-04	2.14E-05	3.32E-05	6.40E-05	3.21E-06	3.23E-05	5.50E-05	4.08E-06	1.83E-05	3.04E-05	1.01E-06
212	742538.65	4110475.44	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.11E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
213	742690.5	4109664.86	8.50E-04	1.55E-03	8.50E-05	1.32E-04	2.54E-04	1.28E-05	1.28E-04	2.18E-04	1.62E-05	7.28E-05	1.20E-04	3.99E-06
214	742676.95	4109644.5	8.85E-04	1.61E-03	8.86E-05	1.37E-04	2.64E-04	1.33E-05	1.33E-04	2.28E-04	1.69E-05	7.59E-05	1.26E-04	4.16E-06
215	742663.4	4109624.14	9.05E-04	1.65E-03	9.06E-05	1.40E-04	2.71E-04	1.36E-05	1.37E-04	2.33E-04	1.73E-05	7.76E-05	1.28E-04	4.26E-06

216	742649.85	4109603.78	9.10E-04	1.66E-03	9.10E-05	1.41E-04	2.72E-04	1.37E-05	1.37E-04	2.34E-04	1.73E-05	7.79E-05	1.29E-04	4.27E-06
217	742636.3	4109583.42	8.99E-04	1.64E-03	9.00E-05	1.39E-04	2.69E-04	1.35E-05	1.36E-04	2.31E-04	1.71E-05	7.70E-05	1.27E-04	4.23E-06
218	742622.75	4109563.06	8.76E-04	1.60E-03	8.77E-05	1.36E-04	2.62E-04	1.32E-05	1.32E-04	2.25E-04	1.67E-05	7.51E-05	1.24E-04	4.12E-06
219	742609.21	4109542.69	8.43E-04	1.54E-03	8.44E-05	1.31E-04	2.52E-04	1.27E-05	1.27E-04	2.17E-04	1.61E-05	7.23E-05	1.20E-04	3.96E-06
220	742595.66	4109522.33	8.02E-04	1.46E-03	8.03E-05	1.24E-04	2.40E-04	1.20E-05	1.21E-04	2.06E-04	1.53E-05	6.88E-05	1.14E-04	3.77E-06
221	742582.11	4109501.97	7.55E-04	1.38E-03	7.56E-05	1.17E-04	2.26E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.47E-05	1.07E-04	3.55E-06
222	742778.47	4109633.3	6.46E-04	1.18E-03	6.46E-05	1.00E-04	1.93E-04	9.70E-06	9.74E-05	1.66E-04	1.23E-05	5.54E-05	9.16E-05	3.04E-06
223	742783.19	4109657.13	6.23E-04	1.14E-03	6.24E-05	9.66E-05	1.86E-04	9.35E-06	9.40E-05	1.60E-04	1.19E-05	5.34E-05	8.84E-05	2.93E-06
224	742787.9	4109680.97	5.94E-04	1.08E-03	5.95E-05	9.22E-05	1.78E-04	8.92E-06	8.96E-05	1.53E-04	1.13E-05	5.09E-05	8.43E-05	2.79E-06
225	742792.62	4109704.8	5.63E-04	1.03E-03	5.64E-05	8.74E-05	1.68E-04	8.46E-06	8.50E-05	1.45E-04	1.07E-05	4.83E-05	7.99E-05	2.65E-06
226	742797.34	4109728.64	5.34E-04	9.73E-04	5.34E-05	8.28E-05	1.59E-04	8.01E-06	8.05E-05	1.37E-04	1.02E-05	4.57E-05	7.57E-05	2.51E-06
227	742802.05	4109752.47	5.08E-04	9.26E-04	5.08E-05	7.88E-05	1.52E-04	7.63E-06	7.66E-05	1.31E-04	9.68E-06	4.35E-05	7.20E-05	2.39E-06
228	742806.77	4109776.3	4.87E-04	8.87E-04	4.87E-05	7.55E-05	1.45E-04	7.31E-06	7.34E-05	1.25E-04	9.28E-06	4.17E-05	6.90E-05	2.29E-06
229	742811.49	4109800.14	4.69E-04	8.54E-04	4.69E-05	7.27E-05	1.40E-04	7.03E-06	7.07E-05	1.20E-04	8.93E-06	4.02E-05	6.64E-05	2.20E-06
230	742816.21	4109823.97	4.51E-04	8.22E-04	4.51E-05	6.99E-05	1.35E-04	6.77E-06	6.80E-05	1.16E-04	8.59E-06	3.86E-05	6.39E-05	2.12E-06
231	742820.92	4109847.81	4.32E-04	7.88E-04	4.33E-05	6.70E-05	1.29E-04	6.49E-06	6.52E-05	1.11E-04	8.24E-06	3.70E-05	6.13E-05	2.03E-06
232	742825.64	4109871.64	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.18E-06	6.21E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.94E-06
233	742830.36	4109895.48	3.90E-04	7.11E-04	3.90E-05	6.05E-05	1.17E-04	5.86E-06	5.88E-05	1.00E-04	7.44E-06	3.34E-05	5.53E-05	1.83E-06
234	742835.07	4109919.31	3.68E-04	6.71E-04	3.68E-05	5.71E-05	1.10E-04	5.53E-06	5.55E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
235	742839.79	4109943.14	3.47E-04	6.32E-04	3.47E-05	5.38E-05	1.04E-04	5.21E-06	5.23E-05	8.92E-05	6.61E-06	2.97E-05	4.92E-05	1.63E-06
236	742844.51	4109966.98	3.27E-04	5.95E-04	3.27E-05	5.07E-05	9.76E-05	4.90E-06	4.93E-05	8.40E-05	6.23E-06	2.80E-05	4.63E-05	1.54E-06
237	742849.23	4109990.81	3.08E-04	5.62E-04	3.09E-05	4.78E-05	9.22E-05	4.63E-06	4.65E-05	7.93E-05	5.88E-06	2.64E-05	4.37E-05	1.45E-06
238	742853.94	4110014.65	2.92E-04	5.32E-04	2.92E-05	4.53E-05	8.73E-05	4.38E-06	4.41E-05	7.51E-05	5.57E-06	2.50E-05	4.14E-05	1.37E-06
239	742858.66	4110038.48	2.78E-04	5.06E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.14E-05	5.30E-06	2.38E-05	3.94E-05	1.31E-06
240	742863.38	4110062.32	2.66E-04	4.84E-04	2.66E-05	4.12E-05	7.93E-05	3.99E-06	4.01E-05	6.83E-05	5.06E-06	2.28E-05	3.77E-05	1.25E-06
241	742868.09	4110086.15	2.55E-04	4.65E-04	2.55E-05	3.96E-05	7.62E-05	3.83E-06	3.85E-05	6.56E-05	4.86E-06	2.19E-05	3.62E-05	1.20E-06
242	742872.81	4110109.98	2.46E-04	4.48E-04	2.46E-05	3.81E-05	7.35E-05	3.69E-06	3.71E-05	6.32E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
243	742864.05	4110154.03	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.62E-05	6.16E-05	4.57E-06	2.05E-05	3.40E-05	1.13E-06
244	742850.57	4110174.25	2.41E-04	4.39E-04	2.41E-05	3.74E-05	7.20E-05	3.62E-06	3.63E-05	6.19E-05	4.59E-06	2.06E-05	3.42E-05	1.13E-06
245	742837.09	4110194.46	2.41E-04	4.40E-04	2.41E-05	3.74E-05	7.21E-05	3.62E-06	3.64E-05	6.20E-05	4.60E-06	2.07E-05	3.42E-05	1.13E-06
246	742823.61	4110214.68	2.41E-04	4.38E-04	2.41E-05	3.73E-05	7.19E-05	3.61E-06	3.63E-05	6.18E-05	4.58E-06	2.06E-05	3.41E-05	1.13E-06
247	742810.13	4110234.89	2.39E-04	4.36E-04	2.39E-05	3.71E-05	7.14E-05	3.59E-06	3.60E-05	6.14E-05	4.55E-06	2.05E-05	3.39E-05	1.12E-06
248	742796.65	4110255.11	2.37E-04	4.31E-04	2.37E-05	3.67E-05	7.07E-05	3.55E-06	3.57E-05	6.08E-05	4.51E-06	2.03E-05	3.36E-05	1.11E-06
249	742783.17	4110275.32	2.34E-04	4.26E-04	2.34E-05	3.62E-05	6.98E-05	3.51E-06	3.52E-05	6.01E-05	4.45E-06	2.00E-05	3.31E-05	1.10E-06
250	742769.69	4110295.54	2.30E-04	4.20E-04	2.31E-05	3.57E-05	6.88E-05	3.46E-06	3.47E-05	5.92E-05	4.39E-06	1.97E-05	3.27E-05	1.08E-06
251	742756.21	4110315.75	2.27E-04	4.14E-04	2.27E-05	3.52E-05	6.78E-05	3.41E-06	3.42E-05	5.83E-05	4.32E-06	1.94E-05	3.22E-05	1.07E-06
252	742742.73	4110335.96	2.23E-04	4.07E-04	2.23E-05	3.46E-05	6.67E-05	3.35E-06	3.37E-05	5.74E-05	4.25E-06	1.91E-05	3.17E-05	1.05E-06
253	742729.26	4110356.18	2.19E-04	3.99E-04	2.19E-05	3.40E-05	6.54E-05	3.29E-06	3.30E-05	5.63E-05	4.17E-06	1.88E-05	3.10E-05	1.03E-06
254	742715.78	4110376.39	2.14E-04	3.89E-04	2.14E-05	3.31E-05	6.39E-05	3.21E-06	3.22E-05	5.49E-05	4.07E-06	1.83E-05	3.03E-05	1.00E-06
255	742702.3	4110396.61	2.08E-04	3.78E-04	2.08E-05	3.22E-05	6.20E-05	3.12E-06	3.13E-05	5.34E-05	3.96E-06	1.78E-05	2.94E-05	9.76E-07
256	742688.82	4110416.82	2.01E-04	3.66E-04	2.01E-05	3.12E-05	6.00E-05	3.02E-06	3.03E-05	5.16E-05	3.83E-06	1.72E-05	2.85E-05	9.44E-07
257	742675.34	4110437.04	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.92E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.13E-07
258	742661.86	4110457.25	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.63E-05	2.83E-06	2.84E-05	4.84E-05	3.59E-06	1.61E-05	2.67E-05	8.85E-07
259	742648.38	4110477.47	1.83E-04	3.33E-04	1.83E-05	2.84E-05	5.47E-05	2.75E-06	2.76E-05	4.70E-05	3.49E-06	1.57E-05	2.59E-05	8.60E-07
260	742634.9	4110497.68	1.78E-04	3.25E-04	1.78E-05	2.76E-05	5.32E-05	2.67E-06	2.69E-05	4.58E-05	3.39E-06	1.53E-05	2.53E-05	8.37E-07
261	742621.42	4110517.9	1.73E-04	3.16E-04	1.73E-05	2.69E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.46E-05	8.14E-07
262	742607.94	4110538.11	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.20E-06	1.44E-05	2.38E-05	7.88E-07
263	742594.46	4110558.33	1.62E-04	2.95E-04	1.62E-05	2.51E-05	4.83E-05	2.43E-06	2.44E-05	4.16E-05	3.08E-06	1.39E-05	2.29E-05	7.60E-07
264	742773.75	4109609.46	6.61E-04	1.20E-03	6.61E-05	1.02E-04	1.97E-04	9.92E-06	9.96E-05	1.70E-04	1.26E-05	5.66E-05	9.37E-05	3.11E-06
265	742760.2	4109589.1	6.83E-04	1.24E-03	6.83E-05	1.06E-04	2.04E-04	1.02E-05	1.03E-04	1.76E-04	1.30E-05	5.85E-05	9.68E-05	3.21E-06
266	742746.65	4109568.74	6.95E-04	1.27E-03	6.96E-05	1.08E-04	2.08E-04	1.04E-05	1.05E-04	1.79E-04	1.32E-05	5.96E-05	9.86E-05	3.27E-06
267	742733.1	4109548.38	6.98E-04	1.27E-03	6.98E-05	1.08E-04	2.09E-04	1.05E-05	1.05E-04	1.79E-04	1.33E-05	5.98E-05	9.90E-05	3.28E-06
268	742719.56	4109528.02	6.92E-04	1.26E-03	6.93E-05	1.07E-04	2.07E-04	1.04E-05	1.04E-04	1.78E-04	1.32E-05	5.93E-05	9.81E-05	3.25E-06
269	742706.01	4109507.66	6.79E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.82E-05	9.62E-05	3.19E-06
270	742692.46	4109487.3	6.59E-04	1.20E-03	6.60E-05	1.02E-04	1.97E-04	9.89E-06	9.94E-05	1.69E-04	1.26E-05	5.65E-05	9.35E-05	3.10E-06
271	742678.91	4109466.93	6.35E-04	1.16E-03	6.35E-05	9.84E-05	1.90E-04	9.53E-06	9.57E-05	1.63E-04	1.21E-05	5.44E-05	9.00E-05	2.98E-06
272	742665.36	4109446.57	6.06E-04	1.10E-03	6.07E-05	9.40E-05	1.81E-04	9.10E-06	9.14E-05	1.56E-04	1.16E-05	5.19E-05	8.60E-05	2.85E-06
273	742944.86	4109521.91	4.35E-04	7.92E-04	4.35E-05	6.74E-05	1.30E-04	6.53E-06	6.56E-05	1.12E-04	8.28E-06	3.73E-05	6.16E-05	2.04E-06
274	742949.46	4109545.16	4.26E-04	7.75E-04	4.26E-05	6.60E-05	1.27E-04	6.39E-06	6.42E-05	1.09E-04	8.11E-06	3.65E-05	6.03E-05	2.00E-06
275	742954.06	4109568.41	4.13E-04	7.52E-04	4.13E-05	6.40E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.86E-06	3.54E-05	5.85E-05	1.94E-06
276	742958.66	4109591.66	3.97E-04	7.23E-04	3.97E-05	6.15E-05	1.18E-04	5.95E-06	5.98E-05	1.02E-04	7.56E-06	3.40E-05	5.62E-05	1.86E-06
277	742963.26	4109614.9	3.79E-04	6.90E-04	3.79E-05	5.87E-05	1.13E-04	5.68E-06	5.71E-05	9.74E-05	7.22E-06	3.25E-05	5.37E-05	1.78E-06
278	742967.86	4109638.15	3.61E-04	6.57E-04	3.61E-05	5.60E-05	1.08E-04	5.42E-06	5.44E-05	9.28E-05	6.88E-06	3.09E-05	5.12E-05	1.70E-06
279	742972.46	4109661.4	3.44E-04	6.27E-04	3.45E-05	5.34E-05	1.03E-04	5.17E-06	5.19E-05	8.85E-05	6.56E-06	2.95E-05	4.88E-05	1.62E-06
280	742977.06	4109684.65	3.30E-04	6.02E-04	3.30E-05	5.12E-05	9.87E-05	4.96E-06	4.98E-05	8.49E-05	6.29E-06	2.83E-05	4.68E-05	1.55E-06
281	742981.67	4109707.89	3.19E-04	5.82E-04	3.19E-05	4.95E-05	9.54E-05	4.79E-06	4.81E-05	8.21E-05	6.08E-06	2.74E-05	4.53E-05	1.50E-06
282	742986.27	4109731.14	3.11E-04	5.66E-04	3.11E-05	4.82E-05	9.28E-05	4.66E-06	4.69E-05	7.99E-05	5.92E-06	2.66E-05	4.41E-05	1.46E-06
283	742990.87	4109754.39	3.04E-04	5.54E-04	3.04E-05	4.71E-05	9.08E-05	4.56E-06	4.58E-05	7.82E-05	5.79E-06	2.60E-05	4.31E-05	1.43E-06
284	742995.47	4109777.63	2.98E-04	5.42E-04	2.98E-05	4.62E-05	8.89E-05	4.47E-06	4.49E-05	7.65E-05	5.67E-06	2.55E-05	4.22E-05	1.40E-06
285	743000.07	4109800.88	2.91E-04	5.30E-04	2.91E-05	4.51E-05	8.68E-05	4.36E-06	4.38E-05	7.47E-05	5.54E-06	2.49E-05	4.12E-05	1.37E-06
286	743004.67	4109824.13	2.82E-04	5.14E-04	2.82E-05	4.38E-05	8.43E-05	4.24E-06	4.26E-05	7.26E-05	5.38E-06	2.42E-05	4.00E-05	1.33E-06
287	743009.27	4109847.38	2.72E-04	4.96E-04	2.73E-05	4.22E-05	8.14E-05	4.09E-06	4.11E-05	7.00E-05	5.19E-06	2.33E-05	3.86E-05	1.28E-06
288	743013.87	4109870.62	2.61E-04	4.76E-04	2.62E-05	4.05E-05	7.81E-05	3.92E-06	3.94E-05	6.72E-05	4.98E-06	2.24E-05	3.71E-05	1.23E-06

289	743018.47	4109893.87	2.50E-04	4.55E-04	2.50E-05	3.88E-05	7.47E-05	3.75E-06	3.77E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
290	743023.07	4109917.12	2.38E-04	4.34E-04	2.38E-05	3.69E-05	7.12E-05	3.58E-06	3.59E-05	6.12E-05	4.54E-06	2.04E-05	3.38E-05	1.12E-06
291	743027.68	4109940.37	2.27E-04	4.14E-04	2.27E-05	3.52E-05	6.78E-05	3.41E-06	3.42E-05	5.84E-05	4.33E-06	1.95E-05	3.22E-05	1.07E-06
292	743032.28	4109963.61	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.27E-05	5.57E-05	4.13E-06	1.86E-05	3.07E-05	1.02E-06
293	743036.88	4109986.86	2.07E-04	3.77E-04	2.07E-05	3.21E-05	6.19E-05	3.11E-06	3.12E-05	5.32E-05	3.95E-06	1.77E-05	2.94E-05	9.73E-07
294	743041.48	4110010.11	1.99E-04	3.62E-04	1.99E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.11E-05	3.78E-06	1.70E-05	2.82E-05	9.33E-07
295	743046.08	4110033.35	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.71E-05	2.87E-06	2.88E-05	4.91E-05	3.64E-06	1.64E-05	2.71E-05	8.98E-07
296	743050.68	4110056.6	1.84E-04	3.36E-04	1.84E-05	2.86E-05	5.50E-05	2.77E-06	2.78E-05	4.74E-05	3.51E-06	1.58E-05	2.61E-05	8.66E-07
297	743055.28	4110079.85	1.78E-04	3.25E-04	1.78E-05	2.76E-05	5.33E-05	2.68E-06	2.69E-05	4.58E-05	3.40E-06	1.53E-05	2.53E-05	8.38E-07
298	743059.88	4110103.1	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.45E-05	8.13E-07
299	743064.48	4110126.34	1.69E-04	3.07E-04	1.69E-05	2.61E-05	5.04E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.92E-07
300	743069.08	4110149.59	1.65E-04	3.00E-04	1.65E-05	2.55E-05	4.92E-05	2.47E-06	2.48E-05	4.23E-05	3.14E-06	1.41E-05	2.33E-05	7.74E-07
301	743060.54	4110192.55	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.86E-05	2.44E-06	2.46E-05	4.19E-05	3.10E-06	1.40E-05	2.31E-05	7.65E-07
302	743047.39	4110212.27	1.64E-04	3.00E-04	1.65E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.23E-05	3.13E-06	1.41E-05	2.33E-05	7.73E-07
303	743034.24	4110231.99	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
304	743021.1	4110251.7	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.98E-05	2.50E-06	2.51E-05	4.29E-05	3.18E-06	1.43E-05	2.36E-05	7.84E-07
305	743007.95	4110271.42	1.67E-04	3.05E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.30E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
306	742994.8	4110291.14	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.84E-07
307	742981.65	4110310.85	1.66E-04	3.03E-04	1.66E-05	2.58E-05	4.96E-05	2.49E-06	2.50E-05	4.27E-05	3.16E-06	1.42E-05	2.35E-05	7.80E-07
308	742968.51	4110330.57	1.65E-04	3.00E-04	1.65E-05	2.55E-05	4.92E-05	2.47E-06	2.48E-05	4.23E-05	3.14E-06	1.41E-05	2.34E-05	7.74E-07
309	742955.36	4110350.29	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.87E-05	2.45E-06	2.46E-05	4.19E-05	3.10E-06	1.40E-05	2.31E-05	7.66E-07
310	742942.21	4110370	1.61E-04	2.93E-04	1.61E-05	2.49E-05	4.80E-05	2.41E-06	2.42E-05	4.13E-05	3.06E-06	1.38E-05	2.28E-05	7.55E-07
311	742929.06	4110389.72	1.58E-04	2.88E-04	1.58E-05	2.45E-05	4.73E-05	2.37E-06	2.39E-05	4.07E-05	3.01E-06	1.36E-05	2.24E-05	7.43E-07
312	742915.92	4110409.44	1.55E-04	2.83E-04	1.55E-05	2.41E-05	4.64E-05	2.33E-06	2.34E-05	3.99E-05	2.96E-06	1.33E-05	2.20E-05	7.30E-07
313	742902.77	4110429.16	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
314	742889.62	4110448.87	1.49E-04	2.72E-04	1.49E-05	2.31E-05	4.46E-05	2.24E-06	2.25E-05	3.84E-05	2.84E-06	1.28E-05	2.12E-05	7.01E-07
315	742876.47	4110468.59	1.46E-04	2.66E-04	1.46E-05	2.27E-05	4.37E-05	2.19E-06	2.20E-05	3.76E-05	2.78E-06	1.25E-05	2.07E-05	6.87E-07
316	742863.33	4110488.31	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.72E-07
317	742850.18	4110508.02	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.60E-05	2.67E-06	1.20E-05	1.98E-05	6.58E-07
318	742837.03	4110527.74	1.37E-04	2.50E-04	1.37E-05	2.12E-05	4.09E-05	2.06E-06	2.07E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.44E-07
319	742823.89	4110547.46	1.34E-04	2.45E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.31E-07
320	742810.74	4110567.17	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
321	742797.59	4110586.89	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
322	742784.44	4110606.61	1.27E-04	2.32E-04	1.27E-05	1.97E-05	3.80E-05	1.91E-06	1.92E-05	3.27E-05	2.43E-06	1.09E-05	1.80E-05	5.98E-07
323	742771.3	4110626.32	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
324	742758.15	4110646.04	1.23E-04	2.23E-04	1.23E-05	1.90E-05	3.66E-05	1.84E-06	1.85E-05	3.15E-05	2.34E-06	1.05E-05	1.74E-05	5.76E-07
325	742745	4110665.76	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.58E-05	1.80E-06	1.81E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.63E-07
326	742731.85	4110685.47	1.17E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	3.00E-05	2.22E-06	9.99E-06	1.65E-05	5.48E-07
327	742718.71	4110705.19	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.15E-06	9.69E-06	1.60E-05	5.31E-07
328	742705.56	4110724.91	1.09E-04	2.00E-04	1.10E-05	1.70E-05	3.27E-05	1.64E-06	1.65E-05	2.81E-05	2.09E-06	9.38E-06	1.55E-05	5.15E-07
329	742940.26	4109498.67	4.40E-04	8.02E-04	4.40E-05	6.82E-05	1.31E-04	6.60E-06	6.63E-05	1.13E-04	8.38E-06	3.77E-05	6.24E-05	2.07E-06
330	742926.71	4109478.31	4.49E-04	8.19E-04	4.50E-05	6.97E-05	1.34E-04	6.74E-06	6.77E-05	1.15E-04	8.56E-06	3.85E-05	6.37E-05	2.11E-06
331	742913.16	4109457.95	4.54E-04	8.28E-04	4.55E-05	7.05E-05	1.36E-04	6.82E-06	6.85E-05	1.17E-04	8.66E-06	3.89E-05	6.44E-05	2.13E-06
332	742899.61	4109437.58	4.55E-04	8.29E-04	4.55E-05	7.06E-05	1.36E-04	6.83E-06	6.86E-05	1.17E-04	8.67E-06	3.90E-05	6.45E-05	2.14E-06
333	742886.06	4109417.22	4.52E-04	8.23E-04	4.52E-05	7.01E-05	1.35E-04	6.78E-06	6.82E-05	1.16E-04	8.61E-06	3.87E-05	6.41E-05	2.12E-06
334	742872.51	4109396.86	4.45E-04	8.12E-04	4.46E-05	6.91E-05	1.33E-04	6.69E-06	6.72E-05	1.15E-04	8.49E-06	3.82E-05	6.32E-05	2.09E-06
335	742858.96	4109376.5	4.36E-04	7.95E-04	4.37E-05	6.77E-05	1.30E-04	6.55E-06	6.58E-05	1.12E-04	8.31E-06	3.74E-05	6.19E-05	2.05E-06
336	742845.42	4109356.14	4.25E-04	7.75E-04	4.25E-05	6.59E-05	1.27E-04	6.38E-06	6.41E-05	1.09E-04	8.10E-06	3.64E-05	6.03E-05	2.00E-06
337	742831.87	4109335.78	4.13E-04	7.52E-04	4.13E-05	6.40E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.86E-06	3.54E-05	5.85E-05	1.94E-06
338	743111.42	4109411.41	3.18E-04	5.79E-04	3.18E-05	4.93E-05	9.49E-05	4.77E-06	4.79E-05	8.17E-05	6.05E-06	2.72E-05	4.50E-05	1.49E-06
339	743116.08	4109434.96	3.14E-04	5.72E-04	3.14E-05	4.86E-05	9.37E-05	4.71E-06	4.73E-05	8.06E-05	5.98E-06	2.69E-05	4.45E-05	1.47E-06
340	743120.74	4109458.5	3.07E-04	5.60E-04	3.08E-05	4.77E-05	9.18E-05	4.61E-06	4.63E-05	7.90E-05	5.86E-06	2.63E-05	4.36E-05	1.44E-06
341	743125.4	4109482.04	2.99E-04	5.44E-04	2.99E-05	4.63E-05	8.92E-05	4.48E-06	4.50E-05	7.68E-05	5.69E-06	2.56E-05	4.23E-05	1.40E-06
342	743130.06	4109505.58	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.61E-05	4.33E-06	4.35E-05	7.41E-05	5.49E-06	2.47E-05	4.09E-05	1.35E-06
343	743134.72	4109529.13	2.77E-04	5.04E-04	2.77E-05	4.29E-05	8.26E-05	4.15E-06	4.17E-05	7.11E-05	5.27E-06	2.37E-05	3.92E-05	1.30E-06
344	743139.38	4109552.67	2.64E-04	4.81E-04	2.64E-05	4.10E-05	7.89E-05	3.97E-06	3.98E-05	6.79E-05	5.04E-06	2.26E-05	3.75E-05	1.24E-06
345	743144.04	4109576.21	2.52E-04	4.60E-04	2.53E-05	3.91E-05	7.54E-05	3.79E-06	3.81E-05	6.49E-05	4.81E-06	2.16E-05	3.58E-05	1.19E-06
346	743148.7	4109599.75	2.42E-04	4.41E-04	2.42E-05	3.75E-05	7.23E-05	3.63E-06	3.65E-05	6.22E-05	4.61E-06	2.07E-05	3.43E-05	1.14E-06
347	743153.36	4109623.3	2.33E-04	4.25E-04	2.33E-05	3.62E-05	6.96E-05	3.50E-06	3.52E-05	5.99E-05	4.44E-06	2.00E-05	3.31E-05	1.10E-06
348	743158.02	4109646.84	2.26E-04	4.13E-04	2.27E-05	3.51E-05	6.76E-05	3.40E-06	3.41E-05	5.82E-05	4.31E-06	1.94E-05	3.21E-05	1.06E-06
349	743162.68	4109670.38	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.32E-06	3.34E-05	5.69E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
350	743167.34	4109693.92	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.52E-05	3.27E-06	3.29E-05	5.61E-05	4.16E-06	1.87E-05	3.09E-05	1.02E-06
351	743171.99	4109717.47	2.15E-04	3.93E-04	2.16E-05	3.34E-05	6.44E-05	3.23E-06	3.25E-05	5.54E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
352	743176.65	4109741.01	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.20E-06	3.21E-05	5.48E-05	4.06E-06	1.83E-05	3.02E-05	1.00E-06
353	743181.31	4109764.55	2.10E-04	3.83E-04	2.10E-05	3.26E-05	6.27E-05	3.15E-06	3.17E-05	5.40E-05	4.00E-06	1.80E-05	2.98E-05	9.87E-07
354	743185.97	4109788.09	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
355	743190.63	4109811.64	2.00E-04	3.65E-04	2.01E-05	3.11E-05	5.99E-05	3.01E-06	3.02E-05	5.15E-05	3.82E-06	1.72E-05	2.84E-05	9.42E-07
356	743195.29	4109835.18	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.91E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.12E-07
357	743199.95	4109858.72	1.87E-04	3.41E-04	1.87E-05	2.90E-05	5.59E-05	2.81E-06	2.82E-05	4.81E-05	3.56E-06	1.60E-05	2.65E-05	8.79E-07
358	743204.61	4109882.26	1.80E-04	3.27E-04	1.80E-05	2.78E-05	5.36E-05	2.70E-06	2.71E-05	4.62E-05	3.42E-06	1.54E-05	2.55E-05	8.44E-07
359	743209.27	4109905.81	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.60E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.09E-07
360	743213.93	4109929.35	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.75E-07
361	743218.59	4109952.89	1.58E-04	2.89E-04	1.58E-05	2.46E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.25E-05	7.44E-07

362	743223.25	4109976.43	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
363	743227.91	4109999.98	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.39E-05	2.21E-06	2.22E-05	3.78E-05	2.80E-06	1.26E-05	2.08E-05	6.91E-07
364	743232.57	4110023.52	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.25E-05	2.13E-06	2.14E-05	3.65E-05	2.71E-06	1.22E-05	2.02E-05	6.68E-07
365	743237.23	4110047.06	1.38E-04	2.51E-04	1.38E-05	2.14E-05	4.12E-05	2.07E-06	2.08E-05	3.54E-05	2.63E-06	1.18E-05	1.95E-05	6.48E-07
366	743241.89	4110070.6	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.45E-05	2.55E-06	1.15E-05	1.90E-05	6.30E-07
367	743246.55	4110094.14	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.90E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.14E-07
368	743251.2	4110117.69	1.27E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	5.99E-07
369	743255.86	4110141.23	1.25E-04	2.27E-04	1.25E-05	1.93E-05	3.73E-05	1.87E-06	1.88E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.86E-07
370	743260.52	4110164.77	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
371	743265.18	4110188.31	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.64E-07
372	743256.53	4110231.82	1.19E-04	2.18E-04	1.20E-05	1.85E-05	3.57E-05	1.79E-06	1.80E-05	3.07E-05	2.28E-06	1.02E-05	1.69E-05	5.61E-07
373	743243.21	4110251.79	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.11E-05	2.30E-06	1.04E-05	1.71E-05	5.68E-07
374	743229.9	4110271.76	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.75E-07
375	743216.58	4110291.73	1.24E-04	2.25E-04	1.24E-05	1.92E-05	3.69E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.80E-07
376	743203.27	4110311.69	1.24E-04	2.27E-04	1.25E-05	1.93E-05	3.72E-05	1.87E-06	1.88E-05	3.20E-05	2.37E-06	1.07E-05	1.77E-05	5.85E-07
377	743189.96	4110331.66	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
378	743176.64	4110351.63	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.39E-06	1.07E-05	1.78E-05	5.89E-07
379	743163.33	4110371.59	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
380	743150.01	4110391.56	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
381	743136.7	4110411.53	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
382	743123.38	4110431.5	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.72E-07
383	743110.07	4110451.46	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.58E-05	1.80E-06	1.81E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.63E-07
384	743096.76	4110471.43	1.18E-04	2.15E-04	1.18E-05	1.83E-05	3.52E-05	1.77E-06	1.78E-05	3.03E-05	2.24E-06	1.01E-05	1.67E-05	5.53E-07
385	743083.44	4110491.4	1.15E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.89E-06	1.64E-05	5.43E-07
386	743070.13	4110511.36	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.37E-05	1.70E-06	1.70E-05	2.90E-05	2.15E-06	9.68E-06	1.60E-05	5.31E-07
387	743056.81	4110531.33	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.67E-05	2.84E-05	2.10E-06	9.46E-06	1.57E-05	5.19E-07
388	743043.5	4110551.3	1.08E-04	1.97E-04	1.08E-05	1.67E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.25E-06	1.53E-05	5.08E-07
389	743030.18	4110571.27	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.07E-06	1.50E-05	4.97E-07
390	743016.87	4110591.23	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
391	743003.56	4110611.2	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.06E-05	1.54E-06	1.54E-05	2.63E-05	1.95E-06	8.77E-06	1.45E-05	4.81E-07
392	742990.24	4110631.17	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
393	742976.93	4110651.13	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.57E-06	1.42E-05	4.70E-07
394	742963.61	4110671.1	9.92E-05	1.81E-04	9.93E-06	1.54E-05	2.96E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.50E-06	1.41E-05	4.66E-07
395	742950.3	4110691.07	9.85E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
396	742936.98	4110711.03	9.77E-05	1.78E-04	9.77E-06	1.51E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.38E-05	4.59E-07
397	742923.67	4110731	9.68E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
398	742910.36	4110750.97	9.56E-05	1.74E-04	9.57E-06	1.48E-05	2.86E-05	1.43E-06	1.44E-05	2.46E-05	1.82E-06	8.19E-06	1.36E-05	4.49E-07
399	742897.04	4110770.94	9.42E-05	1.72E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.07E-06	1.34E-05	4.43E-07
400	742883.73	4110790.9	9.24E-05	1.68E-04	9.25E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.38E-05	1.76E-06	7.92E-06	1.31E-05	4.34E-07
401	742870.41	4110810.87	9.04E-05	1.65E-04	9.05E-06	1.40E-05	2.70E-05	1.36E-06	1.36E-05	2.32E-05	1.72E-06	7.75E-06	1.28E-05	4.25E-07
402	742857.1	4110830.84	8.82E-05	1.61E-04	8.82E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
403	742843.78	4110850.8	8.58E-05	1.56E-04	8.59E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.21E-05	1.64E-06	7.35E-06	1.22E-05	4.03E-07
404	742830.47	4110870.77	8.33E-05	1.52E-04	8.34E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.14E-06	1.18E-05	3.92E-07
405	742817.16	4110890.74	8.08E-05	1.47E-04	8.09E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
406	743106.76	4109387.87	3.19E-04	5.82E-04	3.20E-05	4.95E-05	9.54E-05	4.79E-06	4.82E-05	8.21E-05	6.09E-06	2.74E-05	4.53E-05	1.50E-06
407	743093.21	4109367.51	3.24E-04	5.90E-04	3.24E-05	5.02E-05	9.67E-05	4.86E-06	4.88E-05	8.32E-05	6.17E-06	2.77E-05	4.59E-05	1.52E-06
408	743079.67	4109347.15	3.26E-04	5.94E-04	3.26E-05	5.05E-05	9.74E-05	4.89E-06	4.92E-05	8.38E-05	6.21E-06	2.79E-05	4.62E-05	1.53E-06
409	743066.12	4109326.79	3.26E-04	5.94E-04	3.26E-05	5.06E-05	9.74E-05	4.89E-06	4.92E-05	8.38E-05	6.21E-06	2.79E-05	4.62E-05	1.53E-06
410	743052.57	4109306.43	3.24E-04	5.90E-04	3.24E-05	5.03E-05	9.68E-05	4.86E-06	4.89E-05	8.33E-05	6.17E-06	2.78E-05	4.59E-05	1.52E-06
411	743039.02	4109286.07	3.20E-04	5.84E-04	3.21E-05	4.97E-05	9.57E-05	4.81E-06	4.83E-05	8.23E-05	6.10E-06	2.74E-05	4.54E-05	1.51E-06
412	743025.47	4109265.7	3.15E-04	5.74E-04	3.15E-05	4.89E-05	9.42E-05	4.73E-06	4.75E-05	8.10E-05	6.01E-06	2.70E-05	4.47E-05	1.48E-06
413	743011.92	4109245.34	3.09E-04	5.63E-04	3.09E-05	4.79E-05	9.23E-05	4.64E-06	4.66E-05	7.94E-05	5.89E-06	2.65E-05	4.38E-05	1.45E-06
414	742998.37	4109224.98	3.02E-04	5.50E-04	3.02E-05	4.68E-05	9.02E-05	4.53E-06	4.55E-05	7.76E-05	5.75E-06	2.59E-05	4.28E-05	1.42E-06
415	743277.97	4109300.83	2.44E-04	4.45E-04	2.44E-05	3.79E-05	7.29E-05	3.66E-06	3.68E-05	6.28E-05	4.65E-06	2.09E-05	3.46E-05	1.15E-06
416	743282.67	4109324.58	2.43E-04	4.42E-04	2.43E-05	3.76E-05	7.25E-05	3.64E-06	3.66E-05	6.24E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
417	743287.37	4109348.33	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.61E-05	6.16E-05	4.57E-06	2.05E-05	3.40E-05	1.13E-06
418	743292.07	4109372.08	2.35E-04	4.29E-04	2.35E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.48E-06	2.02E-05	3.33E-05	1.11E-06
419	743296.77	4109395.83	2.29E-04	4.18E-04	2.29E-05	3.56E-05	6.85E-05	3.44E-06	3.46E-05	5.89E-05	4.37E-06	1.96E-05	3.25E-05	1.08E-06
420	743301.47	4109419.58	2.22E-04	4.05E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.71E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
421	743306.17	4109443.33	2.14E-04	3.90E-04	2.14E-05	3.32E-05	6.39E-05	3.21E-06	3.22E-05	5.50E-05	4.08E-06	1.83E-05	3.03E-05	1.00E-06
422	743310.87	4109467.09	2.05E-04	3.74E-04	2.05E-05	3.18E-05	6.13E-05	3.08E-06	3.09E-05	5.27E-05	3.91E-06	1.76E-05	2.91E-05	9.64E-07
423	743315.58	4109490.84	1.96E-04	3.58E-04	1.97E-05	3.05E-05	5.87E-05	2.95E-06	2.96E-05	5.05E-05	3.74E-06	1.68E-05	2.79E-05	9.23E-07
424	743320.28	4109514.59	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.63E-05	2.83E-06	2.84E-05	4.84E-05	3.59E-06	1.61E-05	2.67E-05	8.85E-07
425	743324.98	4109538.34	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.51E-07
426	743329.68	4109562.09	1.75E-04	3.19E-04	1.75E-05	2.71E-05	5.22E-05	2.63E-06	2.64E-05	4.50E-05	3.33E-06	1.50E-05	2.48E-05	8.22E-07
427	743334.38	4109585.84	1.70E-04	3.10E-04	1.70E-05	2.64E-05	5.09E-05	2.56E-06	2.57E-05	4.38E-05	3.24E-06	1.46E-05	2.41E-05	8.00E-07
428	743339.08	4109609.59	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
429	743343.78	4109633.34	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.15E-06	1.41E-05	2.34E-05	7.76E-07
430	743348.48	4109657.1	1.64E-04	2.99E-04	1.64E-05	2.54E-05	4.90E-05	2.46E-06	2.47E-05	4.21E-05	3.12E-06	1.40E-05	2.32E-05	7.70E-07
431	743353.18	4109680.85	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.87E-05	2.45E-06	2.46E-05	4.19E-05	3.11E-06	1.40E-05	2.31E-05	7.66E-07
432	743357.88	4109704.6	1.62E-04	2.96E-04	1.62E-05	2.52E-05	4.85E-05	2.43E-06	2.45E-05	4.17E-05	3.09E-06	1.39E-05	2.30E-05	7.62E-07
433	743362.58	4109728.35	1.61E-04	2.93E-04	1.61E-05	2.49E-05	4.81E-05	2.41E-06	2.43E-05	4.14E-05	3.07E-06	1.38E-05	2.28E-05	7.56E-07
434	743367.28	4109752.1	1.59E-04	2.89E-04	1.59E-05	2.46E-05	4.74E-05	2.38E-06	2.39E-05	4.08E-05	3.02E-06	1.36E-05	2.25E-05	7.46E-07

435	743371.98	4109775.85	1.56E-04	2.83E-04	1.56E-05	2.41E-05	4.65E-05	2.33E-06	2.35E-05	4.00E-05	2.96E-06	1.33E-05	2.21E-05	7.31E-07
436	743376.68	4109799.6	1.52E-04	2.76E-04	1.52E-05	2.35E-05	4.53E-05	2.28E-06	2.29E-05	3.90E-05	2.89E-06	1.30E-05	2.15E-05	7.13E-07
437	743381.39	4109823.35	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.39E-05	2.21E-06	2.22E-05	3.78E-05	2.80E-06	1.26E-05	2.08E-05	6.91E-07
438	743386.09	4109847.11	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.24E-05	2.13E-06	2.14E-05	3.65E-05	2.71E-06	1.22E-05	2.01E-05	6.67E-07
439	743390.79	4109870.86	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
440	743395.49	4109894.61	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
441	743400.19	4109918.36	1.27E-04	2.31E-04	1.27E-05	1.97E-05	3.79E-05	1.90E-06	1.91E-05	3.26E-05	2.42E-06	1.09E-05	1.80E-05	5.96E-07
442	743404.89	4109942.11	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
443	743409.59	4109965.86	1.18E-04	2.15E-04	1.18E-05	1.83E-05	3.53E-05	1.77E-06	1.78E-05	3.04E-05	2.25E-06	1.01E-05	1.67E-05	5.55E-07
444	743414.29	4109989.61	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.42E-05	1.72E-06	1.72E-05	2.94E-05	2.18E-06	9.80E-06	1.62E-05	5.38E-07
445	743418.99	4110013.36	1.11E-04	2.03E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.68E-05	2.86E-05	2.12E-06	9.52E-06	1.58E-05	5.22E-07
446	743423.69	4110037.12	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.27E-06	1.53E-05	5.08E-07
447	743428.39	4110060.87	1.06E-04	1.92E-04	1.06E-05	1.64E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.05E-06	1.50E-05	4.96E-07
448	743433.09	4110084.62	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
449	743437.79	4110108.37	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.65E-06	1.43E-05	4.74E-07
450	743442.5	4110132.12	9.90E-05	1.80E-04	9.90E-06	1.53E-05	2.96E-05	1.49E-06	1.49E-05	2.54E-05	1.89E-06	8.48E-06	1.40E-05	4.65E-07
451	743447.2	4110155.87	9.71E-05	1.77E-04	9.72E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.50E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
452	743451.9	4110179.62	9.54E-05	1.74E-04	9.55E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.18E-06	1.35E-05	4.48E-07
453	743456.6	4110203.37	9.39E-05	1.71E-04	9.40E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.41E-05	1.79E-06	8.05E-06	1.33E-05	4.41E-07
454	743461.3	4110227.13	9.26E-05	1.69E-04	9.26E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
455	743452.57	4110271.02	9.23E-05	1.68E-04	9.24E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.37E-05	1.76E-06	7.91E-06	1.31E-05	4.34E-07
456	743439.13	4110291.16	9.34E-05	1.70E-04	9.34E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.00E-06	1.32E-05	4.39E-07
457	743425.7	4110311.31	9.45E-05	1.72E-04	9.46E-06	1.47E-05	2.82E-05	1.42E-06	1.43E-05	2.43E-05	1.80E-06	8.10E-06	1.34E-05	4.44E-07
458	743412.27	4110331.45	9.57E-05	1.74E-04	9.57E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
459	743398.84	4110351.6	9.68E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
460	743385.4	4110371.74	9.77E-05	1.78E-04	9.78E-06	1.52E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.39E-05	4.59E-07
461	743371.97	4110391.89	9.85E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
462	743358.54	4110412.03	9.89E-05	1.80E-04	9.89E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.47E-06	1.40E-05	4.65E-07
463	743345.11	4110432.17	9.89E-05	1.80E-04	9.90E-06	1.53E-05	2.96E-05	1.49E-06	1.49E-05	2.54E-05	1.89E-06	8.48E-06	1.40E-05	4.65E-07
464	743331.67	4110452.32	9.86E-05	1.80E-04	9.87E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.45E-06	1.40E-05	4.63E-07
465	743318.24	4110472.46	9.79E-05	1.78E-04	9.80E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.39E-06	1.39E-05	4.60E-07
466	743304.81	4110492.61	9.69E-05	1.77E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
467	743291.38	4110512.75	9.55E-05	1.74E-04	9.56E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.46E-05	1.82E-06	8.18E-06	1.35E-05	4.49E-07
468	743277.95	4110532.9	9.39E-05	1.71E-04	9.39E-06	1.46E-05	2.80E-05	1.41E-06	1.42E-05	2.41E-05	1.79E-06	8.04E-06	1.33E-05	4.41E-07
469	743264.51	4110553.04	9.20E-05	1.68E-04	9.21E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.75E-06	7.89E-06	1.30E-05	4.33E-07
470	743251.08	4110573.18	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.72E-06	1.28E-05	4.23E-07
471	743237.65	4110593.33	8.80E-05	1.60E-04	8.81E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
472	743224.22	4110613.47	8.60E-05	1.57E-04	8.60E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.37E-06	1.22E-05	4.04E-07
473	743210.78	4110633.62	8.40E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.20E-06	1.19E-05	3.95E-07
474	743197.35	4110653.76	8.23E-05	1.50E-04	8.23E-06	1.28E-05	2.46E-05	1.23E-06	1.24E-05	2.12E-05	1.57E-06	7.05E-06	1.17E-05	3.87E-07
475	743183.92	4110673.9	8.08E-05	1.47E-04	8.08E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
476	743170.49	4110694.05	7.96E-05	1.45E-04	7.96E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
477	743157.05	4110714.19	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
478	743143.62	4110734.34	7.81E-05	1.42E-04	7.82E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.67E-07
479	743130.19	4110754.48	7.78E-05	1.42E-04	7.79E-06	1.21E-05	2.33E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.67E-06	1.10E-05	3.66E-07
480	743116.76	4110774.63	7.77E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
481	743103.32	4110794.77	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
482	743089.89	4110814.91	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
483	743076.46	4110835.06	7.75E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
484	743063.03	4110855.2	7.73E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.47E-06	6.62E-06	1.10E-05	3.63E-07
485	743049.59	4110875.35	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
486	743036.16	4110895.49	7.60E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.95E-05	1.45E-06	6.51E-06	1.08E-05	3.57E-07
487	743022.73	4110915.64	7.50E-05	1.37E-04	7.51E-06	1.16E-05	2.24E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.43E-06	1.06E-05	3.53E-07
488	743009.3	4110935.78	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
489	742995.86	4110955.92	7.23E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
490	742982.43	4110976.07	7.06E-05	1.29E-04	7.07E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.05E-06	1.00E-05	3.32E-07
491	742969	4110996.21	6.88E-05	1.25E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.76E-06	3.23E-07
492	742955.57	4111016.36	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
493	742942.13	4111036.5	6.48E-05	1.18E-04	6.48E-06	1.00E-05	1.94E-05	9.72E-07	9.77E-06	1.67E-05	1.23E-06	5.55E-06	9.19E-06	3.04E-07
494	742928.7	4111056.64	6.26E-05	1.14E-04	6.26E-06	9.71E-06	1.87E-05	9.39E-07	9.44E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
495	743273.27	4109277.08	2.44E-04	4.45E-04	2.44E-05	3.78E-05	7.29E-05	3.66E-06	3.68E-05	6.27E-05	4.65E-06	2.09E-05	3.46E-05	1.15E-06
496	743259.72	4109256.71	2.46E-04	4.48E-04	2.46E-05	3.81E-05	7.34E-05	3.69E-06	3.70E-05	6.31E-05	4.68E-06	2.11E-05	3.48E-05	1.15E-06
497	743246.17	4109236.35	2.46E-04	4.49E-04	2.47E-05	3.82E-05	7.36E-05	3.70E-06	3.72E-05	6.34E-05	4.70E-06	2.11E-05	3.49E-05	1.16E-06
498	743232.62	4109215.99	2.46E-04	4.49E-04	2.46E-05	3.82E-05	7.36E-05	3.70E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
499	743219.07	4109195.63	2.45E-04	4.46E-04	2.45E-05	3.80E-05	7.32E-05	3.68E-06	3.69E-05	6.30E-05	4.67E-06	2.10E-05	3.47E-05	1.15E-06
500	743205.52	4109175.27	2.43E-04	4.42E-04	2.43E-05	3.76E-05	7.25E-05	3.64E-06	3.66E-05	6.24E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
501	743191.98	4109154.91	2.39E-04	4.36E-04	2.40E-05	3.71E-05	7.15E-05	3.59E-06	3.61E-05	6.15E-05	4.56E-06	2.05E-05	3.39E-05	1.12E-06
502	743178.43	4109134.55	2.35E-04	4.29E-04	2.36E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
503	743164.88	4109114.19	2.31E-04	4.21E-04	2.31E-05	3.58E-05	6.90E-05	3.47E-06	3.48E-05	5.94E-05	4.40E-06	1.98E-05	3.27E-05	1.09E-06
504	743444.51	4109190.19	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.91E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.13E-07
505	743449.24	4109214.09	1.94E-04	3.53E-04	1.94E-05	3.00E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.10E-07
506	743453.97	4109238	1.92E-04	3.50E-04	1.92E-05	2.98E-05	5.74E-05	2.89E-06	2.90E-05	4.94E-05	3.66E-06	1.65E-05	2.73E-05	9.04E-07
507	743458.7	4109261.91	1.90E-04	3.46E-04	1.90E-05	2.94E-05	5.67E-05	2.85E-06	2.86E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.92E-07

508	743463.43	4109285.81	1.87E-04	3.40E-04	1.87E-05	2.89E-05	5.57E-05	2.80E-06	2.81E-05	4.80E-05	3.56E-06	1.60E-05	2.65E-05	8.77E-07
509	743468.16	4109309.72	1.83E-04	3.33E-04	1.83E-05	2.83E-05	5.46E-05	2.74E-06	2.75E-05	4.70E-05	3.48E-06	1.57E-05	2.59E-05	8.58E-07
510	743472.9	4109333.63	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.36E-07
511	743477.63	4109357.53	1.72E-04	3.13E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.59E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.08E-07
512	743482.36	4109381.44	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.78E-07
513	743487.09	4109405.35	1.59E-04	2.90E-04	1.59E-05	2.47E-05	4.76E-05	2.39E-06	2.40E-05	4.09E-05	3.03E-06	1.36E-05	2.26E-05	7.48E-07
514	743491.82	4109429.25	1.53E-04	2.79E-04	1.53E-05	2.37E-05	4.57E-05	2.30E-06	2.31E-05	3.93E-05	2.91E-06	1.31E-05	2.17E-05	7.19E-07
515	743496.55	4109453.16	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.78E-05	2.80E-06	1.26E-05	2.09E-05	6.91E-07
516	743501.28	4109477.07	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.24E-05	2.13E-06	2.14E-05	3.65E-05	2.70E-06	1.22E-05	2.01E-05	6.67E-07
517	743506.02	4109500.97	1.38E-04	2.51E-04	1.38E-05	2.13E-05	4.11E-05	2.06E-06	2.07E-05	3.53E-05	2.62E-06	1.18E-05	1.95E-05	6.46E-07
518	743510.75	4109524.88	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.30E-07
519	743515.48	4109548.79	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
520	743520.21	4109572.69	1.30E-04	2.37E-04	1.30E-05	2.02E-05	3.89E-05	1.96E-06	1.97E-05	3.35E-05	2.48E-06	1.12E-05	1.85E-05	6.12E-07
521	743524.94	4109596.6	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.95E-06	1.96E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
522	743529.67	4109620.51	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
523	743534.4	4109644.41	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
524	743539.14	4109668.32	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
525	743543.87	4109692.23	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.93E-06	1.94E-05	3.31E-05	2.45E-06	1.10E-05	1.83E-05	6.05E-07
526	743548.6	4109716.13	1.28E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	6.00E-07
527	743553.33	4109740.04	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.75E-05	1.89E-06	1.89E-05	3.23E-05	2.39E-06	1.08E-05	1.78E-05	5.90E-07
528	743558.06	4109763.95	1.23E-04	2.24E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.16E-05	2.34E-06	1.05E-05	1.74E-05	5.78E-07
529	743562.79	4109787.85	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.58E-05	1.80E-06	1.81E-05	3.08E-05	2.29E-06	1.03E-05	1.70E-05	5.64E-07
530	743567.53	4109811.76	1.16E-04	2.12E-04	1.16E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	2.99E-05	2.22E-06	9.97E-06	1.65E-05	5.47E-07
531	743572.26	4109835.67	1.13E-04	2.05E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.65E-06	1.60E-05	5.29E-07
532	743576.99	4109859.57	1.09E-04	1.98E-04	1.09E-05	1.69E-05	3.25E-05	1.63E-06	1.64E-05	2.80E-05	2.07E-06	9.33E-06	1.54E-05	5.12E-07
533	743581.72	4109883.48	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.59E-05	2.70E-05	2.00E-06	9.01E-06	1.49E-05	4.94E-07
534	743586.45	4109907.39	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.94E-06	8.70E-06	1.44E-05	4.77E-07
535	743591.18	4109931.29	9.83E-05	1.79E-04	9.83E-06	1.52E-05	2.94E-05	1.47E-06	1.48E-05	2.53E-05	1.87E-06	8.42E-06	1.39E-05	4.62E-07
536	743595.91	4109955.2	9.52E-05	1.74E-04	9.53E-06	1.48E-05	2.84E-05	1.43E-06	1.44E-05	2.45E-05	1.81E-06	8.16E-06	1.35E-05	4.48E-07
537	743600.65	4109979.11	9.25E-05	1.69E-04	9.25E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
538	743605.38	4110003.02	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.72E-06	1.28E-05	4.23E-07
539	743610.11	4110026.92	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
540	743614.84	4110050.83	8.59E-05	1.57E-04	8.60E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
541	743619.57	4110074.74	8.42E-05	1.53E-04	8.42E-06	1.31E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.96E-07
542	743624.3	4110098.64	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.12E-05	1.57E-06	7.08E-06	1.17E-05	3.88E-07
543	743629.04	4110122.55	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
544	743633.77	4110146.46	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
545	743638.5	4110170.36	7.85E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.18E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
546	743643.23	4110194.27	7.74E-05	1.41E-04	7.74E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.47E-06	6.63E-06	1.10E-05	3.64E-07
547	743647.96	4110218.18	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.54E-06	1.08E-05	3.58E-07
548	743652.69	4110242.08	7.53E-05	1.37E-04	7.53E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.93E-05	1.43E-06	6.45E-06	1.07E-05	3.54E-07
549	743657.42	4110265.99	7.43E-05	1.35E-04	7.44E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.37E-06	1.05E-05	3.49E-07
550	743648.64	4110310.17	7.42E-05	1.35E-04	7.42E-06	1.15E-05	2.22E-05	1.11E-06	1.12E-05	1.91E-05	1.41E-06	6.36E-06	1.05E-05	3.49E-07
551	743635.12	4110330.45	7.50E-05	1.37E-04	7.50E-06	1.16E-05	2.24E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.42E-06	1.06E-05	3.52E-07
552	743621.59	4110350.72	7.58E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.50E-06	1.08E-05	3.56E-07
553	743608.07	4110371	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
554	743594.55	4110391.28	7.78E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
555	743581.03	4110411.55	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
556	743567.51	4110431.83	7.96E-05	1.45E-04	7.96E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
557	743553.99	4110452.1	8.03E-05	1.46E-04	8.03E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.06E-05	1.53E-06	6.88E-06	1.14E-05	3.77E-07
558	743540.47	4110472.38	8.08E-05	1.47E-04	8.08E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
559	743526.95	4110492.66	8.10E-05	1.48E-04	8.11E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.81E-07
560	743513.43	4110512.93	8.10E-05	1.48E-04	8.10E-06	1.26E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.80E-07
561	743499.91	4110533.21	8.05E-05	1.47E-04	8.06E-06	1.25E-05	2.41E-05	1.21E-06	1.21E-05	2.07E-05	1.53E-06	6.90E-06	1.14E-05	3.78E-07
562	743486.39	4110553.49	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
563	743472.87	4110573.76	7.88E-05	1.44E-04	7.89E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.75E-06	1.12E-05	3.70E-07
564	743459.35	4110594.04	7.76E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
565	743445.83	4110614.31	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
566	743432.31	4110634.59	7.45E-05	1.36E-04	7.45E-06	1.16E-05	2.23E-05	1.12E-06	1.12E-05	1.92E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
567	743418.79	4110654.87	7.28E-05	1.33E-04	7.29E-06	1.13E-05	2.18E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.24E-06	1.03E-05	3.42E-07
568	743405.27	4110675.14	7.11E-05	1.30E-04	7.12E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.09E-06	1.01E-05	3.34E-07
569	743391.75	4110695.42	6.95E-05	1.27E-04	6.95E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.95E-06	9.85E-06	3.27E-07
570	743378.23	4110715.69	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
571	743364.71	4110735.97	6.66E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.44E-06	3.13E-07
572	743351.19	4110756.25	6.53E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.81E-07	9.85E-06	1.68E-05	1.25E-06	5.60E-06	9.27E-06	3.07E-07
573	743337.67	4110776.52	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.70E-06	1.65E-05	1.23E-06	5.51E-06	9.13E-06	3.02E-07
574	743324.15	4110796.8	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.55E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.02E-06	2.99E-07
575	743310.63	4110817.07	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.96E-07
576	743297.11	4110837.35	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
577	743283.59	4110857.63	6.27E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.41E-07	9.46E-06	1.61E-05	1.20E-06	5.37E-06	8.89E-06	2.95E-07
578	743270.07	4110877.9	6.28E-05	1.14E-04	6.29E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
579	743256.55	4110898.18	6.30E-05	1.15E-04	6.31E-06	9.77E-06	1.88E-05	9.46E-07	9.51E-06	1.62E-05	1.20E-06	5.40E-06	8.94E-06	2.96E-07
580	743243.02	4110918.45	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07

581	743229.5	4110938.73	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.58E-06	1.63E-05	1.21E-06	5.45E-06	9.01E-06	2.99E-07
582	743215.98	4110959.01	6.37E-05	1.16E-04	6.38E-06	9.88E-06	1.90E-05	9.57E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.04E-06	3.00E-07
583	743202.46	4110979.28	6.38E-05	1.16E-04	6.38E-06	9.90E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
584	743188.94	4110999.56	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
585	743175.42	4111019.83	6.34E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.52E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	8.99E-06	2.98E-07
586	743161.9	4111040.11	6.29E-05	1.15E-04	6.30E-06	9.76E-06	1.88E-05	9.45E-07	9.49E-06	1.62E-05	1.20E-06	5.39E-06	8.92E-06	2.96E-07
587	743148.38	4111060.39	6.22E-05	1.13E-04	6.23E-06	9.65E-06	1.86E-05	9.34E-07	9.39E-06	1.60E-05	1.19E-06	5.33E-06	8.83E-06	2.93E-07
588	743134.86	4111080.66	6.13E-05	1.12E-04	6.13E-06	9.51E-06	1.83E-05	9.20E-07	9.24E-06	1.58E-05	1.17E-06	5.25E-06	8.69E-06	2.88E-07
589	743121.34	4111100.94	6.01E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
590	743107.82	4111121.22	5.88E-05	1.07E-04	5.88E-06	9.12E-06	1.76E-05	8.83E-07	8.87E-06	1.51E-05	1.12E-06	5.04E-06	8.34E-06	2.76E-07
591	743094.3	4111141.49	5.73E-05	1.04E-04	5.73E-06	8.89E-06	1.71E-05	8.60E-07	8.64E-06	1.47E-05	1.09E-06	4.91E-06	8.12E-06	2.69E-07
592	743080.78	4111161.77	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.39E-06	1.43E-05	1.06E-06	4.77E-06	7.89E-06	2.61E-07
593	743067.26	4111182.04	5.38E-05	9.80E-05	5.38E-06	8.34E-06	1.61E-05	8.07E-07	8.11E-06	1.38E-05	1.02E-06	4.61E-06	7.63E-06	2.53E-07
594	743053.74	4111202.32	5.18E-05	9.44E-05	5.18E-06	8.03E-06	1.55E-05	7.78E-07	7.81E-06	1.33E-05	9.87E-07	4.44E-06	7.35E-06	2.43E-07
595	743040.22	4111222.6	4.97E-05	9.06E-05	4.98E-06	7.71E-06	1.49E-05	7.47E-07	7.50E-06	1.28E-05	9.48E-07	4.26E-06	7.05E-06	2.34E-07
596	743439.77	4109166.28	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.11E-07
597	743426.23	4109145.92	1.95E-04	3.55E-04	1.95E-05	3.02E-05	5.83E-05	2.93E-06	2.94E-05	5.01E-05	3.72E-06	1.67E-05	2.77E-05	9.17E-07
598	743412.68	4109125.56	1.95E-04	3.56E-04	1.96E-05	3.03E-05	5.84E-05	2.93E-06	2.95E-05	5.03E-05	3.73E-06	1.68E-05	2.77E-05	9.19E-07
599	743399.13	4109105.2	1.95E-04	3.56E-04	1.95E-05	3.03E-05	5.83E-05	2.93E-06	2.94E-05	5.02E-05	3.72E-06	1.67E-05	2.77E-05	9.18E-07
600	743385.58	4109084.83	1.94E-04	3.54E-04	1.95E-05	3.02E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.70E-06	1.67E-05	2.76E-05	9.14E-07
601	743372.03	4109064.47	1.93E-04	3.51E-04	1.93E-05	2.99E-05	5.76E-05	2.89E-06	2.91E-05	4.96E-05	3.68E-06	1.65E-05	2.73E-05	9.06E-07
602	743358.48	4109044.11	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.70E-05	2.86E-06	2.88E-05	4.90E-05	3.63E-06	1.63E-05	2.70E-05	8.96E-07
603	743344.93	4109023.75	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.62E-05	2.82E-06	2.84E-05	4.83E-05	3.58E-06	1.61E-05	2.67E-05	8.84E-07
604	743331.38	4109003.39	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.52E-05	2.77E-06	2.79E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.69E-07
605	743777.48	4108968.41	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.03E-06	2.04E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.35E-07
606	743782.18	4108992.13	1.35E-04	2.47E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.36E-07
607	743786.87	4109015.85	1.35E-04	2.47E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.36E-07
608	743791.57	4109039.57	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.03E-06	2.03E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.34E-07
609	743796.26	4109063.29	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.30E-07
610	743800.95	4109087.01	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
611	743805.65	4109110.73	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.15E-07
612	743810.34	4109134.45	1.28E-04	2.34E-04	1.28E-05	1.99E-05	3.83E-05	1.93E-06	1.93E-05	3.30E-05	2.45E-06	1.10E-05	1.82E-05	6.03E-07
613	743815.04	4109158.17	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.39E-06	1.07E-05	1.78E-05	5.89E-07
614	743819.73	4109181.89	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.14E-05	2.32E-06	1.05E-05	1.73E-05	5.73E-07
615	743824.43	4109205.62	1.18E-04	2.16E-04	1.18E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.04E-05	2.26E-06	1.01E-05	1.68E-05	5.56E-07
616	743829.12	4109229.34	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.42E-05	1.72E-06	1.73E-05	2.95E-05	2.18E-06	9.82E-06	1.62E-05	5.39E-07
617	743833.82	4109253.06	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.49E-06	1.57E-05	5.21E-07
618	743838.51	4109276.78	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.61E-05	2.75E-05	2.04E-06	9.17E-06	1.52E-05	5.03E-07
619	743843.21	4109300.5	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
620	743847.9	4109324.22	9.99E-05	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.70E-07
621	743852.6	4109347.94	9.68E-05	1.76E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.30E-06	1.37E-05	4.55E-07
622	743857.29	4109371.66	9.41E-05	1.71E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
623	743861.99	4109395.38	9.19E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
624	743866.68	4109419.1	9.01E-05	1.64E-04	9.02E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.72E-06	1.28E-05	4.24E-07
625	743871.38	4109442.82	8.90E-05	1.62E-04	8.90E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.62E-06	1.26E-05	4.18E-07
626	743876.07	4109466.54	8.84E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
627	743880.76	4109490.27	8.84E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
628	743885.46	4109513.99	8.87E-05	1.62E-04	8.88E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
629	743890.15	4109537.71	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
630	743894.85	4109561.43	8.98E-05	1.64E-04	8.98E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.69E-06	1.27E-05	4.22E-07
631	743899.54	4109585.15	9.02E-05	1.64E-04	9.02E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.73E-06	1.28E-05	4.24E-07
632	743904.24	4109608.87	9.03E-05	1.65E-04	9.03E-06	1.40E-05	2.70E-05	1.36E-06	1.36E-05	2.32E-05	1.72E-06	7.74E-06	1.28E-05	4.24E-07
633	743908.93	4109632.59	9.00E-05	1.64E-04	9.00E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.71E-06	1.28E-05	4.23E-07
634	743913.63	4109656.31	8.94E-05	1.63E-04	8.94E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.66E-06	1.27E-05	4.20E-07
635	743918.32	4109680.03	8.84E-05	1.61E-04	8.84E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
636	743923.02	4109703.75	8.70E-05	1.59E-04	8.70E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.45E-06	1.23E-05	4.09E-07
637	743927.71	4109727.47	8.53E-05	1.55E-04	8.53E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.62E-06	7.31E-06	1.21E-05	4.01E-07
638	743932.41	4109751.19	8.33E-05	1.52E-04	8.33E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.14E-06	1.18E-05	3.91E-07
639	743937.1	4109774.91	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
640	743941.8	4109798.64	7.89E-05	1.44E-04	7.90E-06	1.22E-05	2.36E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.76E-06	1.12E-05	3.71E-07
641	743946.49	4109822.36	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
642	743951.19	4109846.08	7.45E-05	1.36E-04	7.45E-06	1.16E-05	2.23E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
643	743955.88	4109869.8	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
644	743960.58	4109893.52	7.03E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.97E-06	3.31E-07
645	743965.27	4109917.24	6.85E-05	1.25E-04	6.85E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.87E-06	9.71E-06	3.22E-07
646	743969.96	4109940.96	6.67E-05	1.22E-04	6.68E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.72E-06	9.46E-06	3.14E-07
647	743974.66	4109964.68	6.51E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
648	743979.35	4109988.4	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
649	743984.05	4110012.12	6.24E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.34E-06	8.84E-06	2.93E-07
650	743988.74	4110035.84	6.12E-05	1.12E-04	6.12E-06	9.49E-06	1.83E-05	9.18E-07	9.23E-06	1.57E-05	1.17E-06	5.24E-06	8.68E-06	2.88E-07
651	743993.44	4110059.56	6.01E-05	1.10E-04	6.01E-06	9.32E-06	1.80E-05	9.02E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.52E-06	2.83E-07
652	743998.13	4110083.29	5.91E-05	1.08E-04	5.92E-06	9.17E-06	1.77E-05	8.88E-07	8.92E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
653	744002.83	4110107.01	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07

654	744007.52	4110130.73	5.75E-05	1.05E-04	5.76E-06	8.92E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.70E-07
655	744012.22	4110154.45	5.68E-05	1.04E-04	5.68E-06	8.81E-06	1.70E-05	8.53E-07	8.57E-06	1.46E-05	1.08E-06	4.87E-06	8.05E-06	2.67E-07
656	744016.91	4110178.17	5.61E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.81E-06	7.96E-06	2.64E-07
657	744021.61	4110201.89	5.55E-05	1.01E-04	5.55E-06	8.61E-06	1.66E-05	8.33E-07	8.37E-06	1.43E-05	1.06E-06	4.76E-06	7.87E-06	2.61E-07
658	744026.3	4110225.61	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.28E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
659	744031	4110249.33	5.43E-05	9.90E-05	5.44E-06	8.42E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.04E-06	4.65E-06	7.70E-06	2.55E-07
660	744035.69	4110273.05	5.38E-05	9.80E-05	5.38E-06	8.34E-06	1.61E-05	8.07E-07	8.11E-06	1.38E-05	1.02E-06	4.61E-06	7.62E-06	2.53E-07
661	744040.39	4110296.77	5.32E-05	9.70E-05	5.32E-06	8.25E-06	1.59E-05	7.99E-07	8.02E-06	1.37E-05	1.01E-06	4.56E-06	7.54E-06	2.50E-07
662	744045.08	4110320.49	5.27E-05	9.60E-05	5.27E-06	8.17E-06	1.57E-05	7.91E-07	7.94E-06	1.35E-05	1.00E-06	4.51E-06	7.47E-06	2.48E-07
663	744049.77	4110344.21	5.22E-05	9.51E-05	5.22E-06	8.09E-06	1.56E-05	7.83E-07	7.87E-06	1.34E-05	9.94E-07	4.47E-06	7.40E-06	2.45E-07
664	744041.05	4110388.05	5.20E-05	9.48E-05	5.21E-06	8.07E-06	1.55E-05	7.81E-07	7.85E-06	1.34E-05	9.92E-07	4.46E-06	7.38E-06	2.45E-07
665	744027.64	4110408.17	5.24E-05	9.55E-05	5.24E-06	8.13E-06	1.57E-05	7.87E-07	7.90E-06	1.35E-05	9.99E-07	4.49E-06	7.43E-06	2.46E-07
666	744014.22	4110428.29	5.29E-05	9.63E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.48E-07
667	744000.81	4110448.41	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.60E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.58E-06	7.57E-06	2.51E-07
668	743987.39	4110468.53	5.40E-05	9.84E-05	5.40E-06	8.38E-06	1.61E-05	8.11E-07	8.14E-06	1.39E-05	1.03E-06	4.63E-06	7.66E-06	2.54E-07
669	743973.98	4110488.65	5.47E-05	9.96E-05	5.47E-06	8.48E-06	1.63E-05	8.21E-07	8.25E-06	1.41E-05	1.04E-06	4.69E-06	7.75E-06	2.57E-07
670	743960.56	4110508.76	5.54E-05	1.01E-04	5.54E-06	8.59E-06	1.65E-05	8.31E-07	8.35E-06	1.42E-05	1.06E-06	4.74E-06	7.85E-06	2.60E-07
671	743947.15	4110528.88	5.61E-05	1.02E-04	5.61E-06	8.69E-06	1.67E-05	8.41E-07	8.45E-06	1.44E-05	1.07E-06	4.80E-06	7.95E-06	2.63E-07
672	743933.73	4110549	5.67E-05	1.03E-04	5.68E-06	8.80E-06	1.69E-05	8.51E-07	8.55E-06	1.46E-05	1.08E-06	4.86E-06	8.04E-06	2.67E-07
673	743920.32	4110569.12	5.73E-05	1.04E-04	5.74E-06	8.89E-06	1.71E-05	8.60E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.69E-07
674	743906.9	4110589.24	5.78E-05	1.05E-04	5.79E-06	8.97E-06	1.73E-05	8.68E-07	8.72E-06	1.49E-05	1.10E-06	4.96E-06	8.20E-06	2.72E-07
675	743893.49	4110609.36	5.82E-05	1.06E-04	5.82E-06	9.02E-06	1.74E-05	8.73E-07	8.77E-06	1.50E-05	1.11E-06	4.99E-06	8.25E-06	2.73E-07
676	743880.07	4110629.47	5.84E-05	1.06E-04	5.84E-06	9.05E-06	1.74E-05	8.76E-07	8.80E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
677	743866.66	4110649.59	5.83E-05	1.06E-04	5.84E-06	9.05E-06	1.74E-05	8.75E-07	8.80E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
678	743853.24	4110669.71	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
679	743839.83	4110689.83	5.77E-05	1.05E-04	5.77E-06	8.94E-06	1.72E-05	8.65E-07	8.69E-06	1.48E-05	1.10E-06	4.94E-06	8.17E-06	2.71E-07
680	743826.41	4110709.95	5.70E-05	1.04E-04	5.71E-06	8.84E-06	1.70E-05	8.56E-07	8.60E-06	1.47E-05	1.09E-06	4.89E-06	8.08E-06	2.68E-07
681	743813	4110730.07	5.62E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.82E-06	7.97E-06	2.64E-07
682	743799.58	4110750.18	5.52E-05	1.01E-04	5.52E-06	8.56E-06	1.65E-05	8.29E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.83E-06	2.59E-07
683	743786.17	4110770.3	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
684	743772.75	4110790.42	5.29E-05	9.64E-05	5.30E-06	8.21E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
685	743759.34	4110810.54	5.17E-05	9.42E-05	5.17E-06	8.02E-06	1.55E-05	7.76E-07	7.80E-06	1.33E-05	9.86E-07	4.43E-06	7.33E-06	2.43E-07
686	743745.92	4110830.66	5.05E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
687	743732.5	4110850.78	4.94E-05	9.01E-05	4.95E-06	7.66E-06	1.48E-05	7.42E-07	7.45E-06	1.27E-05	9.42E-07	4.23E-06	7.01E-06	2.32E-07
688	743719.09	4110870.89	4.84E-05	8.82E-05	4.84E-06	7.50E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
689	743705.67	4110891.01	4.74E-05	8.64E-05	4.75E-06	7.36E-06	1.42E-05	7.12E-07	7.15E-06	1.22E-05	9.04E-07	4.07E-06	6.73E-06	2.23E-07
690	743692.26	4110911.13	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
691	743678.84	4110931.25	4.59E-05	8.37E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
692	743665.43	4110951.37	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
693	743652.01	4110971.49	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.77E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
694	743638.6	4110991.6	4.45E-05	8.11E-05	4.45E-06	6.90E-06	1.33E-05	6.68E-07	6.71E-06	1.14E-05	8.48E-07	3.81E-06	6.31E-06	2.09E-07
695	743625.18	4111011.72	4.43E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
696	743611.77	4111031.84	4.41E-05	8.04E-05	4.41E-06	6.84E-06	1.32E-05	6.62E-07	6.65E-06	1.13E-05	8.40E-07	3.78E-06	6.25E-06	2.07E-07
697	743598.35	4111051.96	4.40E-05	8.02E-05	4.41E-06	6.83E-06	1.32E-05	6.61E-07	6.64E-06	1.13E-05	8.39E-07	3.77E-06	6.24E-06	2.07E-07
698	743584.94	4111072.08	4.41E-05	8.03E-05	4.41E-06	6.83E-06	1.32E-05	6.61E-07	6.65E-06	1.13E-05	8.40E-07	3.78E-06	6.25E-06	2.07E-07
699	743571.52	4111092.2	4.42E-05	8.05E-05	4.42E-06	6.85E-06	1.32E-05	6.63E-07	6.66E-06	1.14E-05	8.42E-07	3.78E-06	6.26E-06	2.08E-07
700	743558.11	4111112.31	4.44E-05	8.08E-05	4.44E-06	6.88E-06	1.33E-05	6.66E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.09E-07
701	743544.69	4111132.43	4.46E-05	8.13E-05	4.46E-06	6.92E-06	1.33E-05	6.70E-07	6.73E-06	1.15E-05	8.50E-07	3.82E-06	6.33E-06	2.10E-07
702	743531.28	4111152.55	4.50E-05	8.19E-05	4.50E-06	6.97E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.85E-06	6.37E-06	2.11E-07
703	743517.86	4111172.67	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
704	743504.45	4111192.79	4.57E-05	8.33E-05	4.58E-06	7.09E-06	1.37E-05	6.86E-07	6.90E-06	1.18E-05	8.71E-07	3.92E-06	6.48E-06	2.15E-07
705	743491.03	4111212.91	4.61E-05	8.40E-05	4.61E-06	7.15E-06	1.38E-05	6.92E-07	6.95E-06	1.19E-05	8.79E-07	3.95E-06	6.54E-06	2.17E-07
706	743477.62	4111233.03	4.65E-05	8.47E-05	4.65E-06	7.21E-06	1.39E-05	6.97E-07	7.01E-06	1.19E-05	8.86E-07	3.98E-06	6.59E-06	2.18E-07
707	743464.2	4111253.14	4.68E-05	8.52E-05	4.68E-06	7.25E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.91E-07	4.01E-06	6.63E-06	2.20E-07
708	743450.79	4111273.26	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.03E-06	6.66E-06	2.21E-07
709	743437.37	4111293.38	4.71E-05	8.57E-05	4.71E-06	7.30E-06	1.41E-05	7.06E-07	7.10E-06	1.21E-05	8.97E-07	4.03E-06	6.67E-06	2.21E-07
710	743423.96	4111313.5	4.70E-05	8.56E-05	4.70E-06	7.29E-06	1.40E-05	7.05E-07	7.09E-06	1.21E-05	8.96E-07	4.03E-06	6.66E-06	2.21E-07
711	743410.54	4111333.62	4.68E-05	8.52E-05	4.68E-06	7.25E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.91E-07	4.01E-06	6.63E-06	2.20E-07
712	743397.12	4111353.74	4.63E-05	8.44E-05	4.64E-06	7.19E-06	1.38E-05	6.95E-07	6.99E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
713	743383.71	4111373.85	4.57E-05	8.33E-05	4.57E-06	7.09E-06	1.37E-05	6.86E-07	6.89E-06	1.18E-05	8.71E-07	3.92E-06	6.48E-06	2.15E-07
714	743370.29	4111393.97	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.55E-07	3.85E-06	6.36E-06	2.11E-07
715	743356.88	4111414.09	4.39E-05	7.99E-05	4.39E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
716	743343.46	4111434.21	4.26E-05	7.76E-05	4.26E-06	6.61E-06	1.27E-05	6.39E-07	6.43E-06	1.10E-05	8.12E-07	3.65E-06	6.04E-06	2.00E-07
717	743330.05	4111454.33	4.12E-05	7.51E-05	4.12E-06	6.39E-06	1.23E-05	6.18E-07	6.21E-06	1.06E-05	7.85E-07	3.53E-06	5.84E-06	1.94E-07
718	743316.63	4111474.45	3.97E-05	7.23E-05	3.97E-06	6.15E-06	1.19E-05	5.95E-07	5.98E-06	1.02E-05	7.56E-07	3.40E-06	5.62E-06	1.86E-07
719	743303.22	4111494.56	3.80E-05	6.93E-05	3.81E-06	5.90E-06	1.14E-05	5.71E-07	5.73E-06	9.78E-06	7.25E-07	3.26E-06	5.39E-06	1.79E-07
720	743289.8	4111514.68	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
721	743276.39	4111534.8	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.23E-06	8.92E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
722	743262.97	4111554.92	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.88E-06	4.97E-07	4.99E-06	8.51E-06	6.30E-07	2.84E-06	4.69E-06	1.55E-07
723	743772.79	4108944.69	1.34E-04	2.45E-04	1.35E-05	2.09E-05	4.02E-05	2.02E-06	2.03E-05	3.46E-05	2.56E-06	1.15E-05	1.91E-05	6.32E-07
724	743759.24	4108924.33	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.46E-05	2.57E-06	1.15E-05	1.91E-05	6.33E-07
725	743745.69	4108903.96	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.34E-07
726	743732.14	4108883.6	1.35E-04	2.45E-04	1.35E-05	2.09E-05	4.02E-05	2.02E-06	2.03E-05	3.46E-05	2.57E-06	1.15E-05	1.91E-05	6.33E-07

727	743718.59	4108863.24	1.34E-04	2.45E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.31E-07
728	743705.04	4108842.88	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.99E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
729	743691.49	4108822.52	1.32E-04	2.41E-04	1.32E-05	2.05E-05	3.95E-05	1.99E-06	2.00E-05	3.40E-05	2.52E-06	1.13E-05	1.88E-05	6.22E-07
730	743677.95	4108802.16	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.97E-06	1.97E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.15E-07
731	743664.4	4108781.8	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.08E-07
732	744110.53	4108747.02	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.77E-07
733	744115.27	4108770.95	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.79E-07
734	744120.01	4108794.88	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
735	744124.74	4108818.81	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.76E-06	1.45E-05	4.80E-07
736	744129.48	4108842.74	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
737	744134.21	4108866.67	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.79E-07
738	744138.95	4108890.6	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.67E-06	1.43E-05	4.76E-07
739	744143.69	4108914.53	1.00E-04	1.83E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.58E-05	1.91E-06	8.59E-06	1.42E-05	4.71E-07
740	744148.42	4108938.45	9.90E-05	1.80E-04	9.90E-06	1.53E-05	2.96E-05	1.49E-06	1.49E-05	2.54E-05	1.89E-06	8.48E-06	1.40E-05	4.65E-07
741	744153.16	4108962.38	9.74E-05	1.77E-04	9.74E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.50E-05	1.86E-06	8.34E-06	1.38E-05	4.58E-07
742	744157.89	4108986.31	9.55E-05	1.74E-04	9.55E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.18E-06	1.35E-05	4.49E-07
743	744162.63	4109010.24	9.33E-05	1.70E-04	9.34E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.00E-06	1.32E-05	4.39E-07
744	744167.36	4109034.17	9.10E-05	1.66E-04	9.10E-06	1.41E-05	2.72E-05	1.37E-06	1.37E-05	2.34E-05	1.73E-06	7.80E-06	1.29E-05	4.28E-07
745	744172.1	4109058.1	8.85E-05	1.61E-04	8.86E-06	1.37E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.59E-06	1.26E-05	4.16E-07
746	744176.84	4109082.03	8.61E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.37E-06	1.22E-05	4.04E-07
747	744181.57	4109105.96	8.35E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.93E-07
748	744186.31	4109129.89	8.10E-05	1.48E-04	8.11E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.81E-07
749	744191.04	4109153.81	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
750	744195.78	4109177.74	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.54E-06	1.08E-05	3.58E-07
751	744200.52	4109201.67	7.41E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.35E-06	1.05E-05	3.48E-07
752	744205.25	4109225.6	7.21E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
753	744209.99	4109249.53	7.02E-05	1.28E-04	7.03E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.81E-05	1.34E-06	6.02E-06	9.96E-06	3.30E-07
754	744214.72	4109273.46	6.87E-05	1.25E-04	6.87E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.74E-06	3.23E-07
755	744219.46	4109297.39	6.74E-05	1.23E-04	6.75E-06	1.05E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.56E-06	3.17E-07
756	744224.2	4109321.32	6.65E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
757	744228.93	4109345.25	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
758	744233.67	4109369.17	6.57E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.86E-07	9.91E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
759	744238.4	4109393.1	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
760	744243.14	4109417.03	6.61E-05	1.20E-04	6.61E-06	1.02E-05	1.97E-05	9.92E-07	9.97E-06	1.70E-05	1.26E-06	5.66E-06	9.37E-06	3.11E-07
761	744247.88	4109440.96	6.65E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
762	744252.61	4109464.89	6.71E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.75E-06	9.51E-06	3.15E-07
763	744257.35	4109488.82	6.76E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.59E-06	3.18E-07
764	744262.08	4109512.75	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
765	744266.82	4109536.68	6.83E-05	1.24E-04	6.84E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.85E-06	9.69E-06	3.21E-07
766	744271.55	4109560.61	6.84E-05	1.25E-04	6.84E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.86E-06	9.69E-06	3.21E-07
767	744276.29	4109584.53	6.82E-05	1.24E-04	6.82E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.84E-06	9.67E-06	3.20E-07
768	744281.03	4109608.46	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
769	744285.76	4109632.39	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
770	744290.5	4109656.32	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
771	744295.23	4109680.25	6.47E-05	1.18E-04	6.47E-06	1.00E-05	1.93E-05	9.71E-07	9.75E-06	1.66E-05	1.23E-06	5.54E-06	9.17E-06	3.04E-07
772	744299.97	4109704.18	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.50E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
773	744304.71	4109728.11	6.18E-05	1.13E-04	6.18E-06	9.58E-06	1.85E-05	9.27E-07	9.32E-06	1.59E-05	1.18E-06	5.29E-06	8.76E-06	2.90E-07
774	744309.44	4109752.04	6.03E-05	1.10E-04	6.03E-06	9.35E-06	1.80E-05	9.05E-07	9.09E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.83E-07
775	744314.18	4109775.97	5.88E-05	1.07E-04	5.88E-06	9.12E-06	1.76E-05	8.82E-07	8.86E-06	1.51E-05	1.12E-06	5.04E-06	8.33E-06	2.76E-07
776	744318.91	4109799.89	5.73E-05	1.04E-04	5.74E-06	8.89E-06	1.71E-05	8.60E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.69E-07
777	744323.65	4109823.82	5.59E-05	1.02E-04	5.59E-06	8.67E-06	1.67E-05	8.39E-07	8.43E-06	1.44E-05	1.07E-06	4.79E-06	7.93E-06	2.63E-07
778	744328.39	4109847.75	5.45E-05	9.94E-05	5.46E-06	8.46E-06	1.63E-05	8.18E-07	8.22E-06	1.40E-05	1.04E-06	4.67E-06	7.73E-06	2.56E-07
779	744333.12	4109871.68	5.32E-05	9.70E-05	5.33E-06	8.26E-06	1.59E-05	7.99E-07	8.03E-06	1.37E-05	1.01E-06	4.56E-06	7.55E-06	2.50E-07
780	744337.86	4109895.61	5.20E-05	9.48E-05	5.20E-06	8.07E-06	1.55E-05	7.81E-07	7.84E-06	1.34E-05	9.91E-07	4.46E-06	7.38E-06	2.44E-07
781	744342.59	4109919.54	5.09E-05	9.27E-05	5.09E-06	7.89E-06	1.52E-05	7.64E-07	7.67E-06	1.31E-05	9.70E-07	4.36E-06	7.22E-06	2.39E-07
782	744347.33	4109943.47	4.98E-05	9.08E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.52E-06	1.28E-05	9.50E-07	4.27E-06	7.07E-06	2.34E-07
783	744352.06	4109967.4	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
784	744356.8	4109991.33	4.79E-05	8.74E-05	4.80E-06	7.43E-06	1.43E-05	7.20E-07	7.23E-06	1.23E-05	9.14E-07	4.11E-06	6.80E-06	2.25E-07
785	744361.54	4110015.25	4.71E-05	8.58E-05	4.71E-06	7.30E-06	1.41E-05	7.07E-07	7.10E-06	1.21E-05	8.97E-07	4.04E-06	6.68E-06	2.21E-07
786	744366.27	4110039.18	4.63E-05	8.44E-05	4.64E-06	7.18E-06	1.38E-05	6.95E-07	6.99E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
787	744371.01	4110063.11	4.56E-05	8.31E-05	4.57E-06	7.08E-06	1.36E-05	6.85E-07	6.88E-06	1.17E-05	8.69E-07	3.91E-06	6.47E-06	2.14E-07
788	744375.74	4110087.04	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.85E-06	6.38E-06	2.11E-07
789	744380.48	4110110.97	4.44E-05	8.09E-05	4.44E-06	6.89E-06	1.33E-05	6.67E-07	6.70E-06	1.14E-05	8.46E-07	3.81E-06	6.30E-06	2.09E-07
790	744385.22	4110134.9	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
791	744389.95	4110158.83	4.34E-05	7.91E-05	4.34E-06	6.73E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.27E-07	3.72E-06	6.16E-06	2.04E-07
792	744394.69	4110182.76	4.30E-05	7.83E-05	4.30E-06	6.67E-06	1.28E-05	6.45E-07	6.48E-06	1.11E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
793	744399.42	4110206.69	4.26E-05	7.76E-05	4.26E-06	6.60E-06	1.27E-05	6.39E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.04E-06	2.00E-07
794	744404.16	4110230.61	4.22E-05	7.69E-05	4.22E-06	6.55E-06	1.26E-05	6.33E-07	6.36E-06	1.09E-05	8.04E-07	3.62E-06	5.98E-06	1.98E-07
795	744408.9	4110254.54	4.18E-05	7.62E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.97E-07	3.59E-06	5.93E-06	1.97E-07
796	744413.63	4110278.47	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
797	744418.37	4110302.4	4.11E-05	7.49E-05	4.12E-06	6.38E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.84E-07	3.52E-06	5.83E-06	1.93E-07
798	744423.1	4110326.33	4.08E-05	7.43E-05	4.08E-06	6.32E-06	1.22E-05	6.12E-07	6.15E-06	1.05E-05	7.77E-07	3.49E-06	5.78E-06	1.92E-07
799	744427.84	4110350.26	4.04E-05	7.37E-05	4.05E-06	6.27E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.71E-07	3.46E-06	5.73E-06	1.90E-07

800	744432.58	4110374.19	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.69E-06	1.88E-07
801	744437.31	4110398.12	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
802	744442.05	4110422.04	3.94E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.52E-07	3.38E-06	5.59E-06	1.85E-07
803	744433.25	4110466.27	3.93E-05	7.17E-05	3.94E-06	6.10E-06	1.18E-05	5.90E-07	5.93E-06	1.01E-05	7.50E-07	3.37E-06	5.58E-06	1.85E-07
804	744419.72	4110486.56	3.95E-05	7.21E-05	3.96E-06	6.13E-06	1.18E-05	5.94E-07	5.96E-06	1.02E-05	7.54E-07	3.39E-06	5.61E-06	1.86E-07
805	744406.18	4110506.86	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
806	744392.65	4110527.15	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.69E-06	1.88E-07
807	744379.12	4110547.45	4.05E-05	7.37E-05	4.05E-06	6.27E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.71E-07	3.47E-06	5.74E-06	1.90E-07
808	744365.59	4110567.74	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.79E-07	3.50E-06	5.79E-06	1.92E-07
809	744352.05	4110588.04	4.13E-05	7.53E-05	4.13E-06	6.41E-06	1.23E-05	6.20E-07	6.23E-06	1.06E-05	7.87E-07	3.54E-06	5.86E-06	1.94E-07
810	744338.52	4110608.33	4.18E-05	7.62E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.97E-07	3.58E-06	5.93E-06	1.96E-07
811	744324.99	4110628.63	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.63E-06	6.00E-06	1.99E-07
812	744311.45	4110648.92	4.28E-05	7.81E-05	4.29E-06	6.64E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.16E-07	3.67E-06	6.07E-06	2.01E-07
813	744297.92	4110669.22	4.34E-05	7.90E-05	4.34E-06	6.72E-06	1.30E-05	6.51E-07	6.54E-06	1.11E-05	8.26E-07	3.71E-06	6.15E-06	2.04E-07
814	744284.39	4110689.51	4.38E-05	7.99E-05	4.38E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.76E-06	6.21E-06	2.06E-07
815	744270.86	4110709.81	4.42E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
816	744257.32	4110730.1	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
817	744243.79	4110750.4	4.48E-05	8.16E-05	4.48E-06	6.95E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.54E-07	3.84E-06	6.35E-06	2.10E-07
818	744230.26	4110770.69	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.56E-07	3.85E-06	6.37E-06	2.11E-07
819	744216.72	4110790.99	4.49E-05	8.17E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
820	744203.19	4110811.28	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.33E-05	6.70E-07	6.74E-06	1.15E-05	8.51E-07	3.83E-06	6.33E-06	2.10E-07
821	744189.66	4110831.58	4.43E-05	8.08E-05	4.44E-06	6.88E-06	1.32E-05	6.66E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
822	744176.13	4110851.87	4.39E-05	8.00E-05	4.39E-06	6.80E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
823	744162.59	4110872.17	4.33E-05	7.88E-05	4.33E-06	6.71E-06	1.29E-05	6.49E-07	6.52E-06	1.11E-05	8.24E-07	3.71E-06	6.13E-06	2.03E-07
824	744149.06	4110892.46	4.25E-05	7.75E-05	4.26E-06	6.60E-06	1.27E-05	6.38E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.03E-06	2.00E-07
825	744135.53	4110912.76	4.17E-05	7.61E-05	4.18E-06	6.47E-06	1.25E-05	6.26E-07	6.29E-06	1.07E-05	7.95E-07	3.58E-06	5.92E-06	1.96E-07
826	744121.99	4110933.05	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.16E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
827	744108.46	4110953.35	4.00E-05	7.29E-05	4.00E-06	6.20E-06	1.19E-05	6.00E-07	6.03E-06	1.03E-05	7.62E-07	3.43E-06	5.67E-06	1.88E-07
828	744094.93	4110973.64	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
829	744081.4	4110993.93	3.82E-05	6.96E-05	3.82E-06	5.93E-06	1.14E-05	5.74E-07	5.76E-06	9.83E-06	7.28E-07	3.27E-06	5.42E-06	1.80E-07
830	744067.86	4111014.23	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.13E-07	3.20E-06	5.30E-06	1.76E-07
831	744054.33	4111034.52	3.67E-05	6.68E-05	3.67E-06	5.68E-06	1.09E-05	5.50E-07	5.53E-06	9.42E-06	6.98E-07	3.14E-06	5.20E-06	1.72E-07
832	744040.8	4111054.82	3.60E-05	6.56E-05	3.60E-06	5.58E-06	1.07E-05	5.40E-07	5.43E-06	9.25E-06	6.86E-07	3.08E-06	5.10E-06	1.69E-07
833	744027.26	4111075.11	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.75E-07	3.03E-06	5.02E-06	1.66E-07
834	744013.73	4111095.41	3.49E-05	6.36E-05	3.49E-06	5.41E-06	1.04E-05	5.24E-07	5.26E-06	8.97E-06	6.65E-07	2.99E-06	4.95E-06	1.64E-07
835	744000.2	4111115.7	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.20E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
836	743986.67	4111136	3.42E-05	6.23E-05	3.42E-06	5.30E-06	1.02E-05	5.13E-07	5.16E-06	8.79E-06	6.51E-07	2.93E-06	4.85E-06	1.61E-07
837	743973.13	4111156.29	3.39E-05	6.18E-05	3.40E-06	5.26E-06	1.01E-05	5.09E-07	5.12E-06	8.72E-06	6.47E-07	2.91E-06	4.81E-06	1.59E-07
838	743959.6	4111176.59	3.37E-05	6.15E-05	3.38E-06	5.23E-06	1.01E-05	5.06E-07	5.09E-06	8.67E-06	6.43E-07	2.89E-06	4.78E-06	1.59E-07
839	743946.07	4111196.88	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
840	743932.53	4111217.18	3.35E-05	6.10E-05	3.35E-06	5.19E-06	1.00E-05	5.03E-07	5.05E-06	8.61E-06	6.38E-07	2.87E-06	4.75E-06	1.57E-07
841	743919	4111237.47	3.34E-05	6.09E-05	3.34E-06	5.18E-06	9.98E-06	5.02E-07	5.04E-06	8.59E-06	6.37E-07	2.86E-06	4.74E-06	1.57E-07
842	743905.47	4111257.77	3.34E-05	6.08E-05	3.34E-06	5.18E-06	9.97E-06	5.01E-07	5.03E-06	8.58E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
843	743891.94	4111278.06	3.34E-05	6.08E-05	3.34E-06	5.18E-06	9.97E-06	5.01E-07	5.03E-06	8.58E-06	6.36E-07	2.86E-06	4.73E-06	1.57E-07
844	743878.4	4111298.36	3.34E-05	6.09E-05	3.34E-06	5.18E-06	9.98E-06	5.01E-07	5.04E-06	8.59E-06	6.37E-07	2.86E-06	4.74E-06	1.57E-07
845	743864.87	4111318.65	3.35E-05	6.10E-05	3.35E-06	5.19E-06	1.00E-05	5.02E-07	5.05E-06	8.60E-06	6.38E-07	2.87E-06	4.74E-06	1.57E-07
846	743851.34	4111338.95	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
847	743837.8	4111359.24	3.37E-05	6.15E-05	3.38E-06	5.23E-06	1.01E-05	5.06E-07	5.09E-06	8.67E-06	6.43E-07	2.89E-06	4.78E-06	1.59E-07
848	743824.27	4111379.54	3.40E-05	6.19E-05	3.40E-06	5.27E-06	1.02E-05	5.10E-07	5.12E-06	8.73E-06	6.47E-07	2.91E-06	4.82E-06	1.60E-07
849	743810.74	4111399.83	3.43E-05	6.24E-05	3.43E-06	5.31E-06	1.02E-05	5.14E-07	5.17E-06	8.81E-06	6.53E-07	2.94E-06	4.86E-06	1.61E-07
850	743797.2	4111420.13	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.20E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
851	743783.67	4111440.42	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.26E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.97E-06	1.65E-07
852	743770.14	4111460.72	3.55E-05	6.46E-05	3.55E-06	5.50E-06	1.06E-05	5.32E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
853	743756.61	4111481.01	3.59E-05	6.55E-05	3.59E-06	5.57E-06	1.07E-05	5.39E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.09E-06	1.69E-07
854	743743.07	4111501.31	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.49E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
855	743729.54	4111521.6	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.52E-07	5.55E-06	9.46E-06	7.01E-07	3.15E-06	5.22E-06	1.73E-07
856	743716.01	4111541.9	3.72E-05	6.77E-05	3.72E-06	5.76E-06	1.11E-05	5.58E-07	5.60E-06	9.55E-06	7.08E-07	3.18E-06	5.27E-06	1.75E-07
857	743702.47	4111562.19	3.74E-05	6.82E-05	3.75E-06	5.80E-06	1.12E-05	5.62E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.31E-06	1.76E-07
858	743688.94	4111582.49	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.64E-07	5.67E-06	9.66E-06	7.16E-07	3.22E-06	5.33E-06	1.77E-07
859	743675.41	4111602.78	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.64E-07	5.67E-06	9.66E-06	7.16E-07	3.22E-06	5.33E-06	1.77E-07
860	743661.88	4111623.08	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.30E-06	1.76E-07
861	743648.34	4111643.37	3.71E-05	6.75E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
862	743634.81	4111663.67	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.50E-06	9.38E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
863	743621.28	4111683.96	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.39E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
864	743607.74	4111704.25	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
865	743594.21	4111724.55	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.07E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.79E-06	1.59E-07
866	743580.68	4111744.84	3.26E-05	5.93E-05	3.26E-06	5.05E-06	9.73E-06	4.89E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.62E-06	1.53E-07
867	743567.15	4111765.14	3.12E-05	5.69E-05	3.13E-06	4.85E-06	9.34E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
868	743553.61	4111785.43	2.99E-05	5.44E-05	2.99E-06	4.63E-06	8.92E-06	4.48E-07	4.50E-06	7.68E-06	5.69E-07	2.56E-06	4.23E-06	1.40E-07
869	743540.08	4111805.73	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.27E-07	4.29E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
870	743526.55	4111826.02	2.71E-05	4.94E-05	2.71E-06	4.20E-06	8.09E-06	4.07E-07	4.09E-06	6.97E-06	5.16E-07	2.32E-06	3.84E-06	1.27E-07
871	743513.01	4111846.32	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.71E-06	3.87E-07	3.89E-06	6.63E-06	4.91E-07	2.21E-06	3.66E-06	1.21E-07
872	743499.48	4111866.61	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.34E-06	3.69E-07	3.70E-06	6.32E-06	4.68E-07	2.11E-06	3.48E-06	1.15E-07

873	743485.95	4111886.91	2.35E-05	4.28E-05	2.35E-06	3.64E-06	7.01E-06	3.52E-07	3.54E-06	6.03E-06	4.47E-07	2.01E-06	3.33E-06	1.10E-07
874	744105.8	4108723.09	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.65E-06	1.43E-05	4.74E-07
875	744092.25	4108702.73	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.66E-06	1.43E-05	4.75E-07
876	744078.7	4108682.37	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.92E-06	8.65E-06	1.43E-05	4.75E-07
877	744065.15	4108662.01	1.01E-04	1.84E-04	1.01E-05	1.56E-05	3.01E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.64E-06	1.43E-05	4.74E-07
878	744051.6	4108641.65	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.62E-06	1.43E-05	4.73E-07
879	744038.05	4108621.29	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.58E-06	1.42E-05	4.71E-07
880	744024.51	4108600.93	9.95E-05	1.81E-04	9.96E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.56E-05	1.90E-06	8.53E-06	1.41E-05	4.68E-07
881	744010.96	4108580.57	9.87E-05	1.80E-04	9.88E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.46E-06	1.40E-05	4.64E-07
882	743997.41	4108560.2	9.77E-05	1.78E-04	9.78E-06	1.52E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.39E-05	4.59E-07
883	744443.52	4108525.3	8.03E-05	1.46E-04	8.04E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.07E-05	1.53E-06	6.88E-06	1.14E-05	3.78E-07
884	744448.23	4108549.09	8.07E-05	1.47E-04	8.07E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.07E-05	1.54E-06	6.91E-06	1.14E-05	3.79E-07
885	744452.94	4108572.89	8.10E-05	1.48E-04	8.10E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.81E-07
886	744457.65	4108596.68	8.12E-05	1.48E-04	8.13E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.82E-07
887	744462.36	4108620.47	8.14E-05	1.48E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.15E-05	3.83E-07
888	744467.07	4108644.27	8.15E-05	1.48E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.16E-05	3.83E-07
889	744471.77	4108668.06	8.14E-05	1.48E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.15E-05	3.83E-07
890	744476.48	4108691.86	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.81E-07
891	744481.19	4108715.65	8.07E-05	1.47E-04	8.08E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.14E-05	3.79E-07
892	744485.9	4108739.44	8.00E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.86E-06	1.13E-05	3.76E-07
893	744490.61	4108763.24	7.92E-05	1.44E-04	7.92E-06	1.23E-05	2.37E-05	1.19E-06	1.19E-05	2.04E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
894	744495.32	4108787.03	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
895	744500.03	4108810.83	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
896	744504.74	4108834.62	7.53E-05	1.37E-04	7.54E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.45E-06	1.07E-05	3.54E-07
897	744509.45	4108858.42	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
898	744514.16	4108882.21	7.21E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
899	744518.87	4108906	7.04E-05	1.28E-04	7.05E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.98E-06	3.31E-07
900	744523.58	4108929.8	6.87E-05	1.25E-04	6.87E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.74E-06	3.23E-07
901	744528.29	4108953.59	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
902	744533	4108977.39	6.53E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.79E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.25E-06	3.07E-07
903	744537.7	4109001.18	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.01E-06	2.99E-07
904	744542.41	4109024.98	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.34E-06	1.59E-05	1.18E-06	5.30E-06	8.78E-06	2.91E-07
905	744547.12	4109048.77	6.03E-05	1.10E-04	6.03E-06	9.35E-06	1.80E-05	9.05E-07	9.10E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.83E-07
906	744551.83	4109072.56	5.88E-05	1.07E-04	5.88E-06	9.12E-06	1.76E-05	8.82E-07	8.87E-06	1.51E-05	1.12E-06	5.04E-06	8.34E-06	2.76E-07
907	744556.54	4109096.36	5.74E-05	1.05E-04	5.74E-06	8.89E-06	1.71E-05	8.61E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.70E-07
908	744561.25	4109120.15	5.60E-05	1.02E-04	5.60E-06	8.69E-06	1.67E-05	8.41E-07	8.45E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
909	744565.96	4109143.95	5.48E-05	9.99E-05	5.49E-06	8.50E-06	1.64E-05	8.23E-07	8.27E-06	1.41E-05	1.04E-06	4.70E-06	7.77E-06	2.58E-07
910	744570.67	4109167.74	5.38E-05	9.81E-05	5.38E-06	8.34E-06	1.61E-05	8.08E-07	8.11E-06	1.38E-05	1.03E-06	4.61E-06	7.63E-06	2.53E-07
911	744575.38	4109191.54	5.30E-05	9.66E-05	5.30E-06	8.22E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
912	744580.09	4109215.33	5.24E-05	9.55E-05	5.24E-06	8.13E-06	1.57E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.43E-06	2.46E-07
913	744584.8	4109239.12	5.20E-05	9.48E-05	5.20E-06	8.07E-06	1.55E-05	7.81E-07	7.84E-06	1.34E-05	9.91E-07	4.46E-06	7.37E-06	2.44E-07
914	744589.51	4109262.92	5.18E-05	9.44E-05	5.19E-06	8.04E-06	1.55E-05	7.78E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.35E-06	2.44E-07
915	744594.22	4109286.71	5.19E-05	9.45E-05	5.19E-06	8.04E-06	1.55E-05	7.79E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.36E-06	2.44E-07
916	744598.92	4109310.51	5.21E-05	9.49E-05	5.21E-06	8.08E-06	1.56E-05	7.82E-07	7.86E-06	1.34E-05	9.93E-07	4.46E-06	7.39E-06	2.45E-07
917	744603.63	4109334.3	5.25E-05	9.56E-05	5.25E-06	8.13E-06	1.57E-05	7.87E-07	7.91E-06	1.35E-05	1.00E-06	4.49E-06	7.44E-06	2.46E-07
918	744608.34	4109358.1	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
919	744613.05	4109381.89	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
920	744617.76	4109405.68	5.39E-05	9.82E-05	5.39E-06	8.35E-06	1.61E-05	8.08E-07	8.12E-06	1.38E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
921	744622.47	4109429.48	5.43E-05	9.89E-05	5.43E-06	8.42E-06	1.62E-05	8.14E-07	8.18E-06	1.40E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
922	744627.18	4109453.27	5.46E-05	9.94E-05	5.46E-06	8.46E-06	1.63E-05	8.19E-07	8.23E-06	1.40E-05	1.04E-06	4.67E-06	7.74E-06	2.56E-07
923	744631.89	4109477.07	5.47E-05	9.97E-05	5.48E-06	8.49E-06	1.63E-05	8.21E-07	8.25E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
924	744636.6	4109500.86	5.47E-05	9.97E-05	5.47E-06	8.48E-06	1.63E-05	8.21E-07	8.25E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
925	744641.31	4109524.65	5.45E-05	9.93E-05	5.45E-06	8.45E-06	1.63E-05	8.18E-07	8.22E-06	1.40E-05	1.04E-06	4.67E-06	7.73E-06	2.56E-07
926	744646.02	4109548.45	5.41E-05	9.86E-05	5.42E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
927	744650.73	4109572.24	5.36E-05	9.76E-05	5.36E-06	8.31E-06	1.60E-05	8.04E-07	8.08E-06	1.38E-05	1.02E-06	4.59E-06	7.60E-06	2.52E-07
928	744655.44	4109596.04	5.29E-05	9.63E-05	5.29E-06	8.20E-06	1.58E-05	7.93E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.48E-07
929	744660.14	4109619.83	5.21E-05	9.49E-05	5.21E-06	8.07E-06	1.56E-05	7.81E-07	7.85E-06	1.34E-05	9.92E-07	4.46E-06	7.38E-06	2.45E-07
930	744664.85	4109643.63	5.11E-05	9.32E-05	5.12E-06	7.93E-06	1.53E-05	7.68E-07	7.71E-06	1.31E-05	9.75E-07	4.38E-06	7.25E-06	2.40E-07
931	744669.56	4109667.42	5.02E-05	9.14E-05	5.02E-06	7.78E-06	1.50E-05	7.53E-07	7.57E-06	1.29E-05	9.56E-07	4.30E-06	7.11E-06	2.36E-07
932	744674.27	4109691.21	4.91E-05	8.95E-05	4.92E-06	7.62E-06	1.47E-05	7.37E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.96E-06	2.31E-07
933	744678.98	4109715.01	4.80E-05	8.75E-05	4.81E-06	7.45E-06	1.44E-05	7.21E-07	7.24E-06	1.24E-05	9.15E-07	4.12E-06	6.81E-06	2.26E-07
934	744683.69	4109738.8	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.02E-06	6.66E-06	2.21E-07
935	744688.4	4109762.6	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
936	744693.11	4109786.39	4.49E-05	8.17E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
937	744697.82	4109810.19	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
938	744702.53	4109833.98	4.28E-05	7.79E-05	4.28E-06	6.63E-06	1.28E-05	6.42E-07	6.45E-06	1.10E-05	8.15E-07	3.66E-06	6.06E-06	2.01E-07
939	744707.24	4109857.77	4.21E-05	7.67E-05	4.21E-06	6.53E-06	1.26E-05	6.32E-07	6.35E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
940	744711.95	4109881.57	4.13E-05	7.52E-05	4.13E-06	6.40E-06	1.23E-05	6.20E-07	6.23E-06	1.06E-05	7.87E-07	3.54E-06	5.85E-06	1.94E-07
941	744716.66	4109905.36	4.05E-05	7.38E-05	4.05E-06	6.28E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.75E-06	1.90E-07
942	744721.37	4109929.16	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
943	744726.07	4109952.95	3.91E-05	7.13E-05	3.92E-06	6.07E-06	1.17E-05	5.87E-07	5.90E-06	1.01E-05	7.46E-07	3.35E-06	5.55E-06	1.84E-07
944	744730.78	4109976.75	3.85E-05	7.01E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.80E-06	9.89E-06	7.33E-07	3.30E-06	5.46E-06	1.81E-07
945	744735.49	4110000.54	3.79E-05	6.90E-05	3.79E-06	5.87E-06	1.13E-05	5.68E-07	5.71E-06	9.74E-06	7.22E-07	3.25E-06	5.37E-06	1.78E-07

946	744740.2	4110024.33	3.73E-05	6.80E-05	3.73E-06	5.79E-06	1.11E-05	5.60E-07	5.63E-06	9.59E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
947	744744.91	4110048.13	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.55E-06	9.45E-06	7.01E-07	3.15E-06	5.21E-06	1.73E-07
948	744749.62	4110071.92	3.63E-05	6.61E-05	3.63E-06	5.62E-06	1.08E-05	5.44E-07	5.47E-06	9.32E-06	6.91E-07	3.11E-06	5.14E-06	1.70E-07
949	744754.33	4110095.72	3.58E-05	6.53E-05	3.58E-06	5.55E-06	1.07E-05	5.38E-07	5.40E-06	9.21E-06	6.82E-07	3.07E-06	5.08E-06	1.68E-07
950	744759.04	4110119.51	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.75E-07	3.03E-06	5.02E-06	1.66E-07
951	744763.75	4110143.3	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.26E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.97E-06	1.65E-07
952	744768.46	4110167.1	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.20E-07	5.23E-06	8.91E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
953	744773.17	4110190.89	3.44E-05	6.26E-05	3.44E-06	5.33E-06	1.03E-05	5.16E-07	5.18E-06	8.84E-06	6.55E-07	2.95E-06	4.87E-06	1.62E-07
954	744777.88	4110214.69	3.41E-05	6.21E-05	3.41E-06	5.29E-06	1.02E-05	5.12E-07	5.14E-06	8.76E-06	6.50E-07	2.92E-06	4.83E-06	1.60E-07
955	744782.59	4110238.48	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.08E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.80E-06	1.59E-07
956	744787.29	4110262.28	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
957	744792	4110286.07	3.33E-05	6.08E-05	3.34E-06	5.17E-06	9.96E-06	5.00E-07	5.03E-06	8.57E-06	6.35E-07	2.86E-06	4.73E-06	1.57E-07
958	744796.71	4110309.86	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.89E-06	4.97E-07	4.99E-06	8.51E-06	6.31E-07	2.84E-06	4.69E-06	1.56E-07
959	744801.42	4110333.66	3.29E-05	5.99E-05	3.29E-06	5.10E-06	9.82E-06	4.94E-07	4.96E-06	8.45E-06	6.27E-07	2.82E-06	4.66E-06	1.55E-07
960	744806.13	4110357.45	3.27E-05	5.95E-05	3.27E-06	5.06E-06	9.75E-06	4.90E-07	4.92E-06	8.39E-06	6.22E-07	2.80E-06	4.63E-06	1.53E-07
961	744810.84	4110381.25	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
962	744815.55	4110405.04	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.85E-06	8.28E-06	6.14E-07	2.76E-06	4.56E-06	1.51E-07
963	744820.26	4110428.84	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
964	744824.97	4110452.63	3.17E-05	5.78E-05	3.18E-06	4.92E-06	9.48E-06	4.76E-07	4.79E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
965	744829.68	4110476.42	3.15E-05	5.74E-05	3.15E-06	4.89E-06	9.42E-06	4.73E-07	4.75E-06	8.10E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
966	744834.39	4110500.22	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.35E-06	4.70E-07	4.72E-06	8.05E-06	5.97E-07	2.68E-06	4.44E-06	1.47E-07
967	744825.64	4110544.19	3.12E-05	5.69E-05	3.12E-06	4.84E-06	9.33E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
968	744812.18	4110564.37	3.14E-05	5.71E-05	3.14E-06	4.86E-06	9.37E-06	4.71E-07	4.73E-06	8.06E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
969	744798.73	4110584.55	3.15E-05	5.74E-05	3.15E-06	4.89E-06	9.41E-06	4.73E-07	4.75E-06	8.10E-06	6.00E-07	2.70E-06	4.47E-06	1.48E-07
970	744785.27	4110604.74	3.17E-05	5.77E-05	3.17E-06	4.91E-06	9.47E-06	4.76E-07	4.78E-06	8.14E-06	6.04E-07	2.71E-06	4.49E-06	1.49E-07
971	744771.81	4110624.92	3.19E-05	5.81E-05	3.19E-06	4.95E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
972	744758.36	4110645.1	3.21E-05	5.86E-05	3.22E-06	4.98E-06	9.60E-06	4.82E-07	4.85E-06	8.26E-06	6.12E-07	2.75E-06	4.56E-06	1.51E-07
973	744744.9	4110665.28	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.68E-06	4.87E-07	4.89E-06	8.33E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
974	744731.44	4110685.46	3.27E-05	5.96E-05	3.27E-06	5.08E-06	9.78E-06	4.91E-07	4.94E-06	8.41E-06	6.24E-07	2.80E-06	4.64E-06	1.54E-07
975	744717.99	4110705.64	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.88E-06	4.96E-07	4.99E-06	8.50E-06	6.30E-07	2.83E-06	4.69E-06	1.55E-07
976	744704.53	4110725.82	3.34E-05	6.09E-05	3.35E-06	5.19E-06	9.99E-06	5.02E-07	5.04E-06	8.60E-06	6.37E-07	2.87E-06	4.74E-06	1.57E-07
977	744691.07	4110746	3.38E-05	6.16E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.10E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
978	744677.62	4110766.18	3.42E-05	6.24E-05	3.43E-06	5.31E-06	1.02E-05	5.14E-07	5.16E-06	8.80E-06	6.52E-07	2.93E-06	4.85E-06	1.61E-07
979	744664.16	4110786.36	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.20E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
980	744650.7	4110806.54	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.25E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.96E-06	1.65E-07
981	744637.25	4110826.72	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
982	744623.79	4110846.9	3.56E-05	6.50E-05	3.57E-06	5.53E-06	1.06E-05	5.35E-07	5.38E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.68E-07
983	744610.33	4110867.08	3.59E-05	6.54E-05	3.59E-06	5.56E-06	1.07E-05	5.39E-07	5.41E-06	9.22E-06	6.84E-07	3.07E-06	5.09E-06	1.69E-07
984	744596.88	4110887.26	3.60E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.43E-06	9.26E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
985	744583.42	4110907.45	3.61E-05	6.58E-05	3.61E-06	5.60E-06	1.08E-05	5.42E-07	5.44E-06	9.28E-06	6.88E-07	3.09E-06	5.12E-06	1.70E-07
986	744569.96	4110927.63	3.61E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.44E-06	9.27E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
987	744556.51	4110947.81	3.59E-05	6.55E-05	3.59E-06	5.57E-06	1.07E-05	5.39E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.09E-06	1.69E-07
988	744543.05	4110967.99	3.57E-05	6.50E-05	3.57E-06	5.54E-06	1.07E-05	5.36E-07	5.38E-06	9.18E-06	6.80E-07	3.06E-06	5.06E-06	1.68E-07
989	744529.59	4110988.17	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
990	744516.13	4111008.35	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
991	744502.68	4111028.53	3.44E-05	6.27E-05	3.44E-06	5.34E-06	1.03E-05	5.16E-07	5.19E-06	8.85E-06	6.56E-07	2.95E-06	4.88E-06	1.62E-07
992	744489.22	4111048.71	3.38E-05	6.16E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.10E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
993	744475.76	4111068.89	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.92E-06	4.98E-07	5.01E-06	8.54E-06	6.33E-07	2.85E-06	4.71E-06	1.56E-07
994	744462.31	4111089.07	3.26E-05	5.93E-05	3.26E-06	5.05E-06	9.72E-06	4.89E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.62E-06	1.53E-07
995	744448.85	4111109.25	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
996	744435.39	4111129.43	3.12E-05	5.69E-05	3.12E-06	4.84E-06	9.32E-06	4.68E-07	4.71E-06	8.02E-06	5.95E-07	2.67E-06	4.42E-06	1.47E-07
997	744421.94	4111149.61	3.06E-05	5.57E-05	3.06E-06	4.74E-06	9.13E-06	4.59E-07	4.61E-06	7.86E-06	5.82E-07	2.62E-06	4.33E-06	1.44E-07
998	744408.48	4111169.79	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
999	744395.02	4111189.97	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.59E-07	2.52E-06	4.16E-06	1.38E-07
1000	744381.57	4111210.16	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.61E-06	4.33E-07	4.35E-06	7.41E-06	5.49E-07	2.47E-06	4.09E-06	1.35E-07
1001	744368.11	4111230.34	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.47E-06	4.26E-07	4.28E-06	7.29E-06	5.41E-07	2.43E-06	4.02E-06	1.33E-07
1002	744354.65	4111250.52	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
1003	744341.2	4111270.7	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.15E-07	4.17E-06	7.10E-06	5.26E-07	2.37E-06	3.92E-06	1.30E-07
1004	744327.74	4111290.88	2.74E-05	4.98E-05	2.74E-06	4.24E-06	8.17E-06	4.11E-07	4.12E-06	7.03E-06	5.21E-07	2.34E-06	3.88E-06	1.29E-07
1005	744314.28	4111311.06	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.85E-06	1.27E-07
1006	744300.83	4111331.24	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.05E-06	4.05E-07	4.07E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
1007	744287.37	4111351.42	2.69E-05	4.89E-05	2.69E-06	4.16E-06	8.02E-06	4.03E-07	4.05E-06	6.90E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
1008	744273.91	4111371.6	2.68E-05	4.88E-05	2.68E-06	4.15E-06	7.99E-06	4.02E-07	4.04E-06	6.88E-06	5.10E-07	2.29E-06	3.79E-06	1.26E-07
1009	744260.46	4111391.78	2.67E-05	4.86E-05	2.67E-06	4.14E-06	7.97E-06	4.01E-07	4.03E-06	6.86E-06	5.09E-07	2.29E-06	3.78E-06	1.25E-07
1010	744247	4111411.96	2.66E-05	4.85E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1011	744233.54	4111432.14	2.66E-05	4.85E-05	2.66E-06	4.13E-06	7.95E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
1012	744220.09	4111452.32	2.66E-05	4.85E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
1013	744206.63	4111472.5	2.66E-05	4.84E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.83E-06	5.06E-07	2.28E-06	3.77E-06	1.25E-07
1014	744193.17	4111492.68	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1015	744179.72	4111512.87	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1016	744166.26	4111533.05	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1017	744152.8	4111553.23	2.66E-05	4.84E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.83E-06	5.06E-07	2.28E-06	3.77E-06	1.25E-07
1018	744139.35	4111573.41	2.66E-05	4.85E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07

1019	744125.89	4111593.59	2.68E-05	4.87E-05	2.68E-06	4.15E-06	7.99E-06	4.01E-07	4.03E-06	6.88E-06	5.10E-07	2.29E-06	3.79E-06	1.26E-07
1020	744112.43	4111613.77	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.81E-06	1.26E-07
1021	744098.98	4111633.95	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.84E-06	1.27E-07
1022	744085.52	4111654.13	2.74E-05	4.99E-05	2.74E-06	4.25E-06	8.18E-06	4.11E-07	4.13E-06	7.04E-06	5.22E-07	2.35E-06	3.88E-06	1.29E-07
1023	744072.06	4111674.31	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.28E-06	4.16E-07	4.18E-06	7.13E-06	5.28E-07	2.38E-06	3.93E-06	1.30E-07
1024	744058.61	4111694.49	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.40E-06	4.22E-07	4.24E-06	7.23E-06	5.36E-07	2.41E-06	3.99E-06	1.32E-07
1025	744045.15	4111714.67	2.86E-05	5.20E-05	2.86E-06	4.43E-06	8.53E-06	4.29E-07	4.31E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
1026	744031.69	4111734.85	2.90E-05	5.29E-05	2.90E-06	4.50E-06	8.67E-06	4.36E-07	4.38E-06	7.46E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
1027	744018.24	4111755.03	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
1028	744004.78	4111775.21	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
1029	743991.32	4111795.39	3.04E-05	5.55E-05	3.05E-06	4.72E-06	9.09E-06	4.57E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.32E-06	1.43E-07
1030	743977.87	4111815.58	3.08E-05	5.62E-05	3.08E-06	4.78E-06	9.21E-06	4.63E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
1031	743964.41	4111835.76	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
1032	743950.95	4111855.94	3.13E-05	5.71E-05	3.13E-06	4.86E-06	9.36E-06	4.70E-07	4.72E-06	8.05E-06	5.97E-07	2.68E-06	4.44E-06	1.47E-07
1033	743937.5	4111876.12	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.38E-06	4.71E-07	4.73E-06	8.07E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
1034	743924.04	4111896.3	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.35E-06	4.70E-07	4.72E-06	8.04E-06	5.96E-07	2.68E-06	4.44E-06	1.47E-07
1035	743910.58	4111916.48	3.11E-05	5.66E-05	3.11E-06	4.82E-06	9.28E-06	4.66E-07	4.68E-06	7.98E-06	5.92E-07	2.66E-06	4.40E-06	1.46E-07
1036	743897.13	4111936.66	3.07E-05	5.59E-05	3.07E-06	4.75E-06	9.16E-06	4.60E-07	4.62E-06	7.88E-06	5.84E-07	2.63E-06	4.35E-06	1.44E-07
1037	743883.67	4111956.84	3.01E-05	5.49E-05	3.01E-06	4.67E-06	8.99E-06	4.52E-07	4.54E-06	7.74E-06	5.74E-07	2.58E-06	4.27E-06	1.41E-07
1038	743870.21	4111977.02	2.94E-05	5.36E-05	2.94E-06	4.56E-06	8.78E-06	4.41E-07	4.43E-06	7.56E-06	5.60E-07	2.52E-06	4.17E-06	1.38E-07
1039	743856.76	4111997.2	2.86E-05	5.21E-05	2.86E-06	4.43E-06	8.53E-06	4.29E-07	4.31E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
1040	743843.3	4112017.38	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.14E-07	4.16E-06	7.10E-06	5.26E-07	2.37E-06	3.91E-06	1.30E-07
1041	743829.84	4112037.56	2.66E-05	4.84E-05	2.66E-06	4.12E-06	7.94E-06	3.99E-07	4.01E-06	6.83E-06	5.06E-07	2.28E-06	3.77E-06	1.25E-07
1042	743816.39	4112057.74	2.55E-05	4.64E-05	2.55E-06	3.95E-06	7.61E-06	3.82E-07	3.84E-06	6.54E-06	4.85E-07	2.18E-06	3.61E-06	1.20E-07
1043	743802.93	4112077.92	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.27E-06	3.65E-07	3.67E-06	6.25E-06	4.63E-07	2.08E-06	3.45E-06	1.14E-07
1044	743789.47	4112098.1	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.48E-07	3.49E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
1045	743776.01	4112118.29	2.21E-05	4.02E-05	2.21E-06	3.42E-06	6.59E-06	3.31E-07	3.33E-06	5.67E-06	4.20E-07	1.89E-06	3.13E-06	1.04E-07
1046	743762.56	4112138.47	2.10E-05	3.83E-05	2.10E-06	3.26E-06	6.27E-06	3.15E-07	3.17E-06	5.40E-06	4.00E-07	1.80E-06	2.98E-06	9.87E-08
1047	743749.1	4112158.65	2.00E-05	3.64E-05	2.00E-06	3.10E-06	5.98E-06	3.00E-07	3.02E-06	5.14E-06	3.81E-07	1.71E-06	2.84E-06	9.40E-08
1048	743735.64	4112178.83	1.91E-05	3.48E-05	1.91E-06	2.96E-06	5.71E-06	2.87E-07	2.88E-06	4.91E-06	3.64E-07	1.64E-06	2.71E-06	8.98E-08
1049	743722.19	4112199.01	1.83E-05	3.34E-05	1.83E-06	2.84E-06	5.48E-06	2.75E-07	2.76E-06	4.71E-06	3.49E-07	1.57E-06	2.60E-06	8.61E-08
1050	743708.73	4112219.19	1.71E-05	3.12E-05	1.71E-06	2.66E-06	5.12E-06	2.57E-07	2.58E-06	4.40E-06	3.26E-07	1.47E-06	2.43E-06	8.05E-08
1051	744438.81	4108501.5	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1052	744425.26	4108481.14	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1053	744411.71	4108460.78	7.99E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1054	744398.16	4108440.42	7.99E-05	1.46E-04	7.99E-06	1.24E-05	2.39E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
1055	744384.62	4108420.06	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
1056	744371.07	4108399.7	7.95E-05	1.45E-04	7.95E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.81E-06	1.13E-05	3.73E-07
1057	744357.52	4108379.34	7.91E-05	1.44E-04	7.91E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
1058	744343.97	4108358.97	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
1059	744330.42	4108338.61	7.80E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.67E-07
1060	744776.56	4108303.85	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
1061	744781.3	4108327.79	6.64E-05	1.21E-04	6.65E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
1062	744786.04	4108351.73	6.67E-05	1.22E-04	6.67E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.71E-05	1.27E-06	5.71E-06	9.45E-06	3.13E-07
1063	744790.77	4108375.67	6.69E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.49E-06	3.15E-07
1064	744795.51	4108399.61	6.72E-05	1.22E-04	6.72E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.75E-06	9.52E-06	3.16E-07
1065	744800.25	4108423.55	6.73E-05	1.23E-04	6.74E-06	1.04E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.28E-06	5.77E-06	9.55E-06	3.16E-07
1066	744804.99	4108447.49	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.56E-06	3.17E-07
1067	744809.73	4108471.43	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
1068	744814.46	4108495.37	6.74E-05	1.23E-04	6.75E-06	1.05E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.28E-06	5.78E-06	9.56E-06	3.17E-07
1069	744819.2	4108519.31	6.72E-05	1.22E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.76E-06	9.53E-06	3.16E-07
1070	744823.94	4108543.25	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
1071	744828.68	4108567.19	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.69E-06	9.41E-06	3.12E-07
1072	744833.42	4108591.13	6.57E-05	1.20E-04	6.57E-06	1.02E-05	1.96E-05	9.86E-07	9.90E-06	1.69E-05	1.25E-06	5.63E-06	9.31E-06	3.09E-07
1073	744838.15	4108615.06	6.49E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.78E-06	1.67E-05	1.24E-06	5.56E-06	9.20E-06	3.05E-07
1074	744842.89	4108639	6.39E-05	1.16E-04	6.39E-06	9.91E-06	1.91E-05	9.59E-07	9.64E-06	1.64E-05	1.22E-06	5.48E-06	9.06E-06	3.00E-07
1075	744847.63	4108662.94	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.43E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
1076	744852.37	4108686.88	6.17E-05	1.12E-04	6.17E-06	9.57E-06	1.84E-05	9.26E-07	9.31E-06	1.59E-05	1.18E-06	5.29E-06	8.75E-06	2.90E-07
1077	744857.11	4108710.82	6.05E-05	1.10E-04	6.05E-06	9.38E-06	1.81E-05	9.08E-07	9.12E-06	1.56E-05	1.15E-06	5.18E-06	8.58E-06	2.84E-07
1078	744861.84	4108734.76	5.93E-05	1.08E-04	5.93E-06	9.19E-06	1.77E-05	8.90E-07	8.94E-06	1.52E-05	1.13E-06	5.08E-06	8.40E-06	2.79E-07
1079	744866.58	4108758.7	5.80E-05	1.06E-04	5.80E-06	9.00E-06	1.73E-05	8.71E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.22E-06	2.73E-07
1080	744871.32	4108782.64	5.68E-05	1.03E-04	5.68E-06	8.80E-06	1.70E-05	8.52E-07	8.56E-06	1.46E-05	1.08E-06	4.86E-06	8.05E-06	2.67E-07
1081	744876.06	4108806.58	5.55E-05	1.01E-04	5.55E-06	8.61E-06	1.66E-05	8.33E-07	8.37E-06	1.43E-05	1.06E-06	4.76E-06	7.87E-06	2.61E-07
1082	744880.8	4108830.52	5.42E-05	9.88E-05	5.43E-06	8.41E-06	1.62E-05	8.14E-07	8.18E-06	1.39E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
1083	744885.53	4108854.46	5.30E-05	9.66E-05	5.30E-06	8.22E-06	1.58E-05	7.95E-07	7.99E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
1084	744890.27	4108878.4	5.18E-05	9.44E-05	5.18E-06	8.03E-06	1.55E-05	7.77E-07	7.81E-06	1.33E-05	9.87E-07	4.44E-06	7.34E-06	2.43E-07
1085	744895.01	4108902.34	5.06E-05	9.22E-05	5.06E-06	7.85E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.34E-06	7.17E-06	2.38E-07
1086	744899.75	4108926.28	4.94E-05	9.01E-05	4.95E-06	7.67E-06	1.48E-05	7.42E-07	7.45E-06	1.27E-05	9.42E-07	4.24E-06	7.01E-06	2.32E-07
1087	744904.49	4108950.22	4.83E-05	8.80E-05	4.83E-06	7.49E-06	1.44E-05	7.25E-07	7.28E-06	1.24E-05	9.20E-07	4.14E-06	6.85E-06	2.27E-07
1088	744909.22	4108974.16	4.72E-05	8.61E-05	4.73E-06	7.32E-06	1.41E-05	7.09E-07	7.12E-06	1.21E-05	9.00E-07	4.05E-06	6.70E-06	2.22E-07
1089	744913.96	4108998.1	4.62E-05	8.42E-05	4.63E-06	7.17E-06	1.38E-05	6.94E-07	6.97E-06	1.19E-05	8.81E-07	3.96E-06	6.55E-06	2.17E-07
1090	744918.7	4109022.04	4.53E-05	8.26E-05	4.53E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
1091	744923.44	4109045.98	4.45E-05	8.11E-05	4.45E-06	6.90E-06	1.33E-05	6.68E-07	6.71E-06	1.14E-05	8.48E-07	3.81E-06	6.31E-06	2.09E-07

1092	744928.18	4109069.92	4.38E-05	7.98E-05	4.38E-06	6.79E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.75E-06	6.21E-06	2.06E-07
1093	744932.91	4109093.86	4.33E-05	7.89E-05	4.33E-06	6.71E-06	1.29E-05	6.50E-07	6.53E-06	1.11E-05	8.25E-07	3.71E-06	6.14E-06	2.03E-07
1094	744937.65	4109117.8	4.29E-05	7.81E-05	4.29E-06	6.65E-06	1.28E-05	6.44E-07	6.47E-06	1.10E-05	8.17E-07	3.67E-06	6.08E-06	2.02E-07
1095	744942.39	4109141.74	4.27E-05	7.77E-05	4.27E-06	6.62E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.13E-07	3.66E-06	6.05E-06	2.00E-07
1096	744947.13	4109165.68	4.26E-05	7.76E-05	4.26E-06	6.60E-06	1.27E-05	6.39E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.04E-06	2.00E-07
1097	744951.87	4109189.62	4.26E-05	7.77E-05	4.27E-06	6.61E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.13E-07	3.65E-06	6.05E-06	2.00E-07
1098	744956.6	4109213.55	4.28E-05	7.81E-05	4.29E-06	6.64E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.16E-07	3.67E-06	6.07E-06	2.01E-07
1099	744961.34	4109237.49	4.31E-05	7.86E-05	4.32E-06	6.69E-06	1.29E-05	6.47E-07	6.50E-06	1.11E-05	8.22E-07	3.70E-06	6.12E-06	2.03E-07
1100	744966.08	4109261.43	4.35E-05	7.93E-05	4.35E-06	6.75E-06	1.30E-05	6.53E-07	6.56E-06	1.12E-05	8.29E-07	3.73E-06	6.17E-06	2.04E-07
1101	744970.82	4109285.37	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.37E-07	3.76E-06	6.23E-06	2.06E-07
1102	744975.56	4109309.31	4.43E-05	8.08E-05	4.44E-06	6.88E-06	1.32E-05	6.65E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
1103	744980.29	4109333.25	4.47E-05	8.15E-05	4.47E-06	6.94E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
1104	744985.03	4109357.19	4.50E-05	8.21E-05	4.51E-06	6.99E-06	1.35E-05	6.76E-07	6.79E-06	1.16E-05	8.58E-07	3.86E-06	6.39E-06	2.12E-07
1105	744989.77	4109381.13	4.53E-05	8.26E-05	4.53E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
1106	744994.51	4109405.07	4.54E-05	8.28E-05	4.55E-06	7.05E-06	1.36E-05	6.82E-07	6.85E-06	1.17E-05	8.66E-07	3.89E-06	6.44E-06	2.14E-07
1107	744999.25	4109429.01	4.55E-05	8.28E-05	4.55E-06	7.05E-06	1.36E-05	6.82E-07	6.86E-06	1.17E-05	8.66E-07	3.90E-06	6.45E-06	2.14E-07
1108	745003.98	4109452.95	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
1109	745008.72	4109476.89	4.51E-05	8.22E-05	4.51E-06	6.99E-06	1.35E-05	6.77E-07	6.80E-06	1.16E-05	8.59E-07	3.86E-06	6.39E-06	2.12E-07
1110	745013.46	4109500.83	4.47E-05	8.15E-05	4.47E-06	6.94E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
1111	745018.2	4109524.77	4.42E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
1112	745022.94	4109548.71	4.36E-05	7.95E-05	4.37E-06	6.77E-06	1.30E-05	6.55E-07	6.58E-06	1.12E-05	8.32E-07	3.74E-06	6.19E-06	2.05E-07
1113	745027.68	4109572.65	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
1114	745032.41	4109596.59	4.23E-05	7.70E-05	4.23E-06	6.55E-06	1.26E-05	6.34E-07	6.37E-06	1.09E-05	8.05E-07	3.62E-06	5.99E-06	1.99E-07
1115	745037.15	4109620.53	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
1116	745041.89	4109644.47	4.07E-05	7.41E-05	4.07E-06	6.31E-06	1.22E-05	6.11E-07	6.13E-06	1.05E-05	7.75E-07	3.49E-06	5.77E-06	1.91E-07
1117	745046.63	4109668.41	3.98E-05	7.25E-05	3.98E-06	6.17E-06	1.19E-05	5.97E-07	6.00E-06	1.02E-05	7.58E-07	3.41E-06	5.64E-06	1.87E-07
1118	745051.37	4109692.35	3.89E-05	7.09E-05	3.90E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
1119	745056.1	4109716.29	3.81E-05	6.94E-05	3.81E-06	5.91E-06	1.14E-05	5.72E-07	5.75E-06	9.80E-06	7.26E-07	3.27E-06	5.40E-06	1.79E-07
1120	745060.84	4109740.23	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
1121	745065.58	4109764.17	3.66E-05	6.67E-05	3.66E-06	5.68E-06	1.09E-05	5.50E-07	5.52E-06	9.41E-06	6.98E-07	3.14E-06	5.19E-06	1.72E-07
1122	745070.32	4109788.11	3.61E-05	6.58E-05	3.62E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.12E-06	1.70E-07
1123	745075.06	4109812.04	3.55E-05	6.47E-05	3.55E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.13E-06	6.77E-07	3.04E-06	5.04E-06	1.67E-07
1124	745079.79	4109835.98	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
1125	745084.53	4109859.92	3.43E-05	6.25E-05	3.43E-06	5.32E-06	1.03E-05	5.15E-07	5.17E-06	8.82E-06	6.54E-07	2.94E-06	4.86E-06	1.61E-07
1126	745089.27	4109883.86	3.37E-05	6.14E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.66E-06	6.42E-07	2.89E-06	4.77E-06	1.58E-07
1127	745094.01	4109907.8	3.30E-05	6.00E-05	3.30E-06	5.11E-06	9.84E-06	4.95E-07	4.97E-06	8.47E-06	6.28E-07	2.82E-06	4.67E-06	1.55E-07
1128	745098.75	4109931.74	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
1129	745103.48	4109955.68	3.19E-05	5.82E-05	3.19E-06	4.95E-06	9.54E-06	4.79E-07	4.81E-06	8.21E-06	6.08E-07	2.74E-06	4.53E-06	1.50E-07
1130	745108.22	4109979.62	3.15E-05	5.73E-05	3.15E-06	4.88E-06	9.40E-06	4.72E-07	4.74E-06	8.09E-06	5.99E-07	2.70E-06	4.46E-06	1.48E-07
1131	745112.96	4110003.56	3.12E-05	5.68E-05	3.12E-06	4.84E-06	9.32E-06	4.68E-07	4.70E-06	8.02E-06	5.94E-07	2.67E-06	4.42E-06	1.47E-07
1132	745117.7	4110027.5	3.08E-05	5.61E-05	3.08E-06	4.77E-06	9.19E-06	4.62E-07	4.64E-06	7.91E-06	5.86E-07	2.64E-06	4.36E-06	1.45E-07
1133	745122.44	4110051.44	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
1134	745127.17	4110075.38	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
1135	745131.91	4110099.32	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.16E-06	1.38E-07
1136	745136.65	4110123.26	2.90E-05	5.29E-05	2.90E-06	4.50E-06	8.67E-06	4.36E-07	4.38E-06	7.46E-06	5.53E-07	2.49E-06	4.11E-06	1.36E-07
1137	745141.39	4110147.2	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
1138	745146.13	4110171.14	2.84E-05	5.18E-05	2.84E-06	4.41E-06	8.49E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
1139	745150.86	4110195.08	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.25E-06	5.37E-07	2.42E-06	4.00E-06	1.32E-07
1140	745155.6	4110219.02	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.36E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.97E-06	1.31E-07
1141	745160.34	4110242.96	2.78E-05	5.06E-05	2.78E-06	4.31E-06	8.30E-06	4.17E-07	4.19E-06	7.14E-06	5.29E-07	2.38E-06	3.94E-06	1.31E-07
1142	745165.08	4110266.9	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.15E-07	4.16E-06	7.10E-06	5.26E-07	2.37E-06	3.92E-06	1.30E-07
1143	745169.82	4110290.84	2.75E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.06E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
1144	745174.55	4110314.78	2.73E-05	4.98E-05	2.73E-06	4.23E-06	8.16E-06	4.10E-07	4.12E-06	7.02E-06	5.20E-07	2.34E-06	3.87E-06	1.28E-07
1145	745179.29	4110338.72	2.72E-05	4.95E-05	2.72E-06	4.21E-06	8.11E-06	4.07E-07	4.09E-06	6.98E-06	5.17E-07	2.33E-06	3.85E-06	1.28E-07
1146	745184.03	4110362.66	2.70E-05	4.92E-05	2.70E-06	4.19E-06	8.07E-06	4.05E-07	4.07E-06	6.94E-06	5.15E-07	2.31E-06	3.83E-06	1.27E-07
1147	745188.77	4110386.6	2.69E-05	4.89E-05	2.69E-06	4.16E-06	8.02E-06	4.03E-07	4.05E-06	6.90E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
1148	745193.51	4110410.53	2.67E-05	4.86E-05	2.67E-06	4.14E-06	7.97E-06	4.01E-07	4.03E-06	6.86E-06	5.09E-07	2.29E-06	3.78E-06	1.25E-07
1149	745198.24	4110434.47	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1150	745202.98	4110458.41	2.64E-05	4.81E-05	2.64E-06	4.09E-06	7.88E-06	3.96E-07	3.98E-06	6.78E-06	5.03E-07	2.26E-06	3.74E-06	1.24E-07
1151	745207.72	4110482.35	2.62E-05	4.78E-05	2.62E-06	4.07E-06	7.84E-06	3.94E-07	3.95E-06	6.74E-06	5.00E-07	2.25E-06	3.72E-06	1.23E-07
1152	745212.46	4110506.29	2.61E-05	4.75E-05	2.61E-06	4.04E-06	7.79E-06	3.91E-07	3.93E-06	6.70E-06	4.97E-07	2.23E-06	3.70E-06	1.23E-07
1153	745217.2	4110530.23	2.59E-05	4.72E-05	2.59E-06	4.02E-06	7.75E-06	3.89E-07	3.91E-06	6.66E-06	4.94E-07	2.22E-06	3.68E-06	1.22E-07
1154	745221.93	4110554.17	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.70E-06	3.87E-07	3.89E-06	6.62E-06	4.91E-07	2.21E-06	3.65E-06	1.21E-07
1155	745226.67	4110578.11	2.56E-05	4.67E-05	2.57E-06	3.98E-06	7.66E-06	3.85E-07	3.87E-06	6.59E-06	4.89E-07	2.20E-06	3.63E-06	1.20E-07
1156	745217.87	4110622.36	2.56E-05	4.66E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
1157	745204.33	4110642.66	2.57E-05	4.68E-05	2.57E-06	3.98E-06	7.67E-06	3.85E-07	3.87E-06	6.60E-06	4.89E-07	2.20E-06	3.64E-06	1.21E-07
1158	745190.79	4110662.96	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.70E-06	3.87E-07	3.89E-06	6.62E-06	4.91E-07	2.21E-06	3.65E-06	1.21E-07
1159	745177.25	4110683.27	2.59E-05	4.71E-05	2.59E-06	4.01E-06	7.73E-06	3.88E-07	3.90E-06	6.65E-06	4.93E-07	2.22E-06	3.67E-06	1.22E-07
1160	745163.72	4110703.57	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.92E-06	6.68E-06	4.95E-07	2.23E-06	3.68E-06	1.22E-07
1161	745150.18	4110723.88	2.61E-05	4.76E-05	2.61E-06	4.05E-06	7.81E-06	3.92E-07	3.94E-06	6.72E-06	4.98E-07	2.24E-06	3.70E-06	1.23E-07
1162	745136.64	4110744.18	2.63E-05	4.79E-05	2.63E-06	4.07E-06	7.85E-06	3.94E-07	3.96E-06	6.75E-06	5.01E-07	2.25E-06	3.72E-06	1.23E-07
1163	745123.1	4110764.48	2.64E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
1164	745109.56	4110784.79	2.66E-05	4.86E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07

1165	745096.02	4110805.09	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.81E-06	1.26E-07
1166	745082.48	4110825.4	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.12E-06	4.08E-07	4.10E-06	6.99E-06	5.18E-07	2.33E-06	3.86E-06	1.28E-07
1167	745068.94	4110845.7	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.13E-07	4.15E-06	7.07E-06	5.24E-07	2.36E-06	3.90E-06	1.29E-07
1168	745055.4	4110866	2.79E-05	5.08E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
1169	745041.86	4110886.31	2.82E-05	5.14E-05	2.82E-06	4.38E-06	8.43E-06	4.24E-07	4.26E-06	7.26E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
1170	745028.33	4110906.61	2.86E-05	5.21E-05	2.86E-06	4.44E-06	8.55E-06	4.29E-07	4.31E-06	7.35E-06	5.45E-07	2.45E-06	4.06E-06	1.34E-07
1171	745014.79	4110926.91	2.90E-05	5.28E-05	2.90E-06	4.49E-06	8.66E-06	4.35E-07	4.37E-06	7.45E-06	5.52E-07	2.48E-06	4.11E-06	1.36E-07
1172	745001.25	4110947.22	2.93E-05	5.35E-05	2.94E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.54E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
1173	744987.71	4110967.52	2.97E-05	5.40E-05	2.97E-06	4.60E-06	8.86E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
1174	744974.17	4110987.83	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
1175	744960.63	4111008.13	3.01E-05	5.49E-05	3.02E-06	4.67E-06	9.00E-06	4.52E-07	4.54E-06	7.75E-06	5.74E-07	2.58E-06	4.27E-06	1.42E-07
1176	744947.09	4111028.43	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.05E-06	4.54E-07	4.57E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
1177	744933.55	4111048.74	3.03E-05	5.53E-05	3.03E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
1178	744920.01	4111069.04	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.05E-06	4.54E-07	4.57E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
1179	744906.48	4111089.35	3.01E-05	5.49E-05	3.02E-06	4.67E-06	9.00E-06	4.52E-07	4.54E-06	7.75E-06	5.74E-07	2.58E-06	4.27E-06	1.42E-07
1180	744892.94	4111109.65	2.99E-05	5.45E-05	2.99E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.69E-06	5.70E-07	2.56E-06	4.24E-06	1.41E-07
1181	744879.4	4111129.95	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
1182	744865.86	4111150.26	2.92E-05	5.32E-05	2.92E-06	4.53E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
1183	744852.32	4111170.56	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
1184	744838.78	4111190.87	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.25E-06	5.37E-07	2.42E-06	4.00E-06	1.33E-07
1185	744825.24	4111211.17	2.76E-05	5.03E-05	2.76E-06	4.28E-06	8.25E-06	4.15E-07	4.17E-06	7.10E-06	5.26E-07	2.37E-06	3.92E-06	1.30E-07
1186	744811.7	4111231.47	2.70E-05	4.93E-05	2.71E-06	4.19E-06	8.08E-06	4.06E-07	4.08E-06	6.95E-06	5.15E-07	2.32E-06	3.83E-06	1.27E-07
1187	744798.16	4111251.78	2.64E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
1188	744784.63	4111272.08	2.61E-05	4.76E-05	2.61E-06	4.05E-06	7.80E-06	3.92E-07	3.94E-06	6.71E-06	4.98E-07	2.24E-06	3.70E-06	1.23E-07
1189	744771.09	4111292.39	2.56E-05	4.67E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
1190	744757.55	4111312.69	2.51E-05	4.57E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.45E-06	4.78E-07	2.15E-06	3.56E-06	1.18E-07
1191	744744.01	4111332.99	2.46E-05	4.49E-05	2.46E-06	3.82E-06	7.36E-06	3.70E-07	3.71E-06	6.33E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
1192	744730.47	4111353.3	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.23E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
1193	744716.93	4111373.6	2.38E-05	4.33E-05	2.38E-06	3.69E-06	7.10E-06	3.57E-07	3.59E-06	6.11E-06	4.53E-07	2.04E-06	3.37E-06	1.12E-07
1194	744703.39	4111393.91	2.34E-05	4.27E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
1195	744689.85	4111414.21	2.31E-05	4.21E-05	2.31E-06	3.58E-06	6.90E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
1196	744676.31	4111434.51	2.28E-05	4.16E-05	2.28E-06	3.54E-06	6.81E-06	3.42E-07	3.44E-06	5.86E-06	4.35E-07	1.95E-06	3.23E-06	1.07E-07
1197	744662.77	4111454.82	2.26E-05	4.12E-05	2.26E-06	3.50E-06	6.75E-06	3.39E-07	3.41E-06	5.81E-06	4.30E-07	1.94E-06	3.20E-06	1.06E-07
1198	744649.24	4111475.12	2.24E-05	4.08E-05	2.24E-06	3.47E-06	6.69E-06	3.36E-07	3.38E-06	5.76E-06	4.27E-07	1.92E-06	3.18E-06	1.05E-07
1199	744635.7	4111495.43	2.23E-05	4.05E-05	2.23E-06	3.45E-06	6.65E-06	3.34E-07	3.36E-06	5.72E-06	4.24E-07	1.91E-06	3.15E-06	1.05E-07
1200	744622.16	4111515.73	2.22E-05	4.04E-05	2.22E-06	3.43E-06	6.62E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
1201	744608.62	4111536.03	2.21E-05	4.02E-05	2.21E-06	3.42E-06	6.59E-06	3.31E-07	3.33E-06	5.67E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
1202	744595.08	4111556.34	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.58E-06	3.30E-07	3.32E-06	5.66E-06	4.20E-07	1.89E-06	3.12E-06	1.03E-07
1203	744581.54	4111576.64	2.18E-05	3.98E-05	2.18E-06	3.38E-06	6.52E-06	3.27E-07	3.29E-06	5.61E-06	4.16E-07	1.87E-06	3.09E-06	1.03E-07
1204	744568	4111596.95	2.20E-05	4.00E-05	2.20E-06	3.41E-06	6.56E-06	3.30E-07	3.31E-06	5.65E-06	4.19E-07	1.88E-06	3.12E-06	1.03E-07
1205	744554.46	4111617.25	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1206	744540.92	4111637.55	2.19E-05	4.00E-05	2.20E-06	3.40E-06	6.55E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1207	744527.39	4111657.86	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1208	744513.85	4111678.16	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1209	744500.31	4111698.47	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1210	744486.77	4111718.77	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.29E-06	5.62E-06	4.16E-07	1.87E-06	3.10E-06	1.03E-07
1211	744473.23	4111739.07	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.54E-06	3.29E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.11E-06	1.03E-07
1212	744459.69	4111759.38	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
1213	744446.15	4111779.68	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
1214	744432.61	4111799.98	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
1215	744419.07	4111820.29	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
1216	744405.53	4111840.59	2.20E-05	4.00E-05	2.20E-06	3.41E-06	6.56E-06	3.30E-07	3.31E-06	5.65E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
1217	744392	4111860.9	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.60E-06	3.32E-07	3.33E-06	5.68E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
1218	744378.46	4111881.2	2.23E-05	4.06E-05	2.23E-06	3.46E-06	6.66E-06	3.35E-07	3.36E-06	5.73E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
1219	744364.92	4111901.5	2.26E-05	4.11E-05	2.26E-06	3.50E-06	6.74E-06	3.39E-07	3.40E-06	5.80E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
1220	744351.38	4111921.81	2.29E-05	4.17E-05	2.29E-06	3.55E-06	6.83E-06	3.43E-07	3.45E-06	5.88E-06	4.36E-07	1.96E-06	3.24E-06	1.07E-07
1221	744337.84	4111942.11	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.94E-06	3.49E-07	3.50E-06	5.97E-06	4.43E-07	1.99E-06	3.29E-06	1.09E-07
1222	744324.3	4111962.42	2.36E-05	4.31E-05	2.37E-06	3.67E-06	7.06E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.35E-06	1.11E-07
1223	744310.76	4111982.72	2.41E-05	4.39E-05	2.41E-06	3.74E-06	7.20E-06	3.62E-07	3.63E-06	6.20E-06	4.59E-07	2.06E-06	3.42E-06	1.13E-07
1224	744297.22	4112003.02	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.34E-06	3.69E-07	3.70E-06	6.32E-06	4.68E-07	2.11E-06	3.48E-06	1.15E-07
1225	744283.68	4112023.33	2.51E-05	4.57E-05	2.51E-06	3.89E-06	7.49E-06	3.76E-07	3.78E-06	6.44E-06	4.77E-07	2.15E-06	3.55E-06	1.18E-07
1226	744270.15	4112043.63	2.55E-05	4.65E-05	2.55E-06	3.96E-06	7.63E-06	3.83E-07	3.85E-06	6.56E-06	4.86E-07	2.19E-06	3.62E-06	1.20E-07
1227	744256.61	4112063.94	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.91E-06	6.67E-06	4.95E-07	2.22E-06	3.68E-06	1.22E-07
1228	744243.07	4112084.24	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
1229	744229.53	4112104.54	2.67E-05	4.86E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
1230	744215.99	4112124.85	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.03E-06	4.03E-07	4.05E-06	6.91E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
1231	744202.45	4112145.15	2.70E-05	4.92E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.94E-06	5.14E-07	2.31E-06	3.83E-06	1.27E-07
1232	744188.91	4112165.46	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
1233	744175.37	4112185.76	2.68E-05	4.89E-05	2.68E-06	4.16E-06	8.01E-06	4.03E-07	4.05E-06	6.90E-06	5.11E-07	2.30E-06	3.80E-06	1.26E-07
1234	744161.83	4112206.06	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
1235	744148.29	4112226.37	2.61E-05	4.76E-05	2.62E-06	4.05E-06	7.81E-06	3.92E-07	3.94E-06	6.72E-06	4.98E-07	2.24E-06	3.71E-06	1.23E-07
1236	744134.76	4112246.67	2.56E-05	4.67E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
1237	744121.22	4112266.98	2.49E-05	4.55E-05	2.50E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07

1238	744107.68	4112287.28	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.23E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
1239	744094.14	4112307.58	2.33E-05	4.25E-05	2.34E-06	3.62E-06	6.97E-06	3.50E-07	3.52E-06	6.00E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
1240	744080.6	4112327.89	2.24E-05	4.09E-05	2.24E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.27E-07	1.92E-06	3.18E-06	1.05E-07
1241	744067.06	4112348.19	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.22E-06	5.50E-06	4.07E-07	1.83E-06	3.03E-06	1.00E-07
1242	744053.52	4112368.5	2.03E-05	3.70E-05	2.03E-06	3.15E-06	6.07E-06	3.05E-07	3.06E-06	5.22E-06	3.87E-07	1.74E-06	2.88E-06	9.55E-08
1243	744039.98	4112388.8	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.96E-06	3.67E-07	1.65E-06	2.73E-06	9.06E-08
1244	744026.44	4112409.1	1.83E-05	3.33E-05	1.83E-06	2.83E-06	5.45E-06	2.74E-07	2.75E-06	4.69E-06	3.48E-07	1.56E-06	2.59E-06	8.58E-08
1245	744012.91	4112429.41	1.73E-05	3.15E-05	1.73E-06	2.68E-06	5.16E-06	2.59E-07	2.61E-06	4.44E-06	3.29E-07	1.48E-06	2.45E-06	8.12E-08
1246	743999.37	4112449.71	1.64E-05	2.99E-05	1.64E-06	2.54E-06	4.89E-06	2.46E-07	2.47E-06	4.21E-06	3.12E-07	1.40E-06	2.32E-06	7.70E-08
1247	743985.83	4112470.02	1.56E-05	2.84E-05	1.56E-06	2.42E-06	4.66E-06	2.34E-07	2.35E-06	4.01E-06	2.97E-07	1.34E-06	2.21E-06	7.33E-08
1248	743972.29	4112490.32	1.49E-05	2.72E-05	1.49E-06	2.31E-06	4.45E-06	2.24E-07	2.25E-06	3.83E-06	2.84E-07	1.28E-06	2.11E-06	7.01E-08
1249	743958.75	4112510.62	1.43E-05	2.61E-05	1.43E-06	2.22E-06	4.28E-06	2.15E-07	2.16E-06	3.68E-06	2.73E-07	1.23E-06	2.03E-06	6.73E-08
1250	743945.21	4112530.93	1.38E-05	2.52E-05	1.39E-06	2.15E-06	4.14E-06	2.08E-07	2.09E-06	3.56E-06	2.64E-07	1.19E-06	1.96E-06	6.51E-08
1251	743931.67	4112551.23	1.35E-05	2.46E-05	1.35E-06	2.09E-06	4.03E-06	2.02E-07	2.03E-06	3.46E-06	2.57E-07	1.15E-06	1.91E-06	6.33E-08
1252	744771.82	4108279.91	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.94E-06	1.69E-05	1.26E-06	5.65E-06	9.34E-06	3.10E-07
1253	744758.27	4108259.55	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.93E-06	1.69E-05	1.26E-06	5.64E-06	9.34E-06	3.10E-07
1254	744744.72	4108239.19	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
1255	744731.18	4108218.83	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
1256	744717.63	4108198.47	6.57E-05	1.20E-04	6.57E-06	1.02E-05	1.96E-05	9.86E-07	9.90E-06	1.69E-05	1.25E-06	5.63E-06	9.31E-06	3.09E-07
1257	744704.08	4108178.1	6.55E-05	1.19E-04	6.55E-06	1.02E-05	1.96E-05	9.83E-07	9.88E-06	1.68E-05	1.25E-06	5.61E-06	9.29E-06	3.08E-07
1258	744690.53	4108157.74	6.53E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.80E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.26E-06	3.07E-07
1259	744676.98	4108137.38	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.21E-06	3.05E-07
1260	744663.43	4108117.02	6.46E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.74E-06	1.66E-05	1.23E-06	5.53E-06	9.16E-06	3.03E-07
1261	742069.08	4109813.33	4.70E-03	8.57E-03	4.71E-04	7.29E-04	1.41E-03	7.06E-05	7.09E-04	1.21E-03	8.96E-05	4.03E-04	6.67E-04	2.21E-05
1262	742048.44	4109826.58	5.12E-03	9.33E-03	5.12E-04	7.94E-04	1.53E-03	7.68E-05	7.72E-04	1.32E-03	9.75E-05	4.39E-04	7.26E-04	2.41E-05
1263	742027.8	4109839.84	5.51E-03	1.00E-02	5.51E-04	8.54E-04	1.65E-03	8.27E-05	8.31E-04	1.42E-03	1.05E-04	4.72E-04	7.81E-04	2.59E-05
1264	742007.16	4109853.1	5.93E-03	1.08E-02	5.93E-04	9.19E-04	1.77E-03	8.90E-05	8.94E-04	1.52E-03	1.13E-04	5.08E-04	8.41E-04	2.79E-05
1265	741986.53	4109866.35	6.29E-03	1.15E-02	6.30E-04	9.76E-04	1.88E-03	9.45E-05	9.49E-04	1.62E-03	1.20E-04	5.39E-04	8.92E-04	2.96E-05
1266	741965.89	4109879.61	6.57E-03	1.20E-02	6.58E-04	1.02E-03	1.96E-03	9.87E-05	9.91E-04	1.69E-03	1.25E-04	5.63E-04	9.32E-04	3.09E-05
1267	741945.25	4109892.87	6.79E-03	1.24E-02	6.80E-04	1.05E-03	2.03E-03	1.02E-04	1.02E-03	1.75E-03	1.29E-04	5.82E-04	9.63E-04	3.19E-05
1268	742074.2	4109788.86	3.30E-03	6.02E-03	3.30E-04	5.12E-04	9.87E-04	4.96E-05	4.98E-04	8.49E-04	6.29E-05	2.83E-04	4.68E-04	1.55E-05
1269	742034.93	4109805.55	3.33E-03	6.07E-03	3.33E-04	5.16E-04	9.95E-04	5.00E-05	5.02E-04	8.56E-04	6.34E-05	2.85E-04	4.72E-04	1.56E-05
1270	742014.29	4109818.8	3.53E-03	6.42E-03	3.53E-04	5.47E-04	1.05E-03	5.29E-05	5.32E-04	9.06E-04	6.72E-05	3.02E-04	5.00E-04	1.66E-05
1271	741993.65	4109832.06	3.73E-03	6.80E-03	3.73E-04	5.79E-04	1.12E-03	5.60E-05	5.63E-04	9.60E-04	7.11E-05	3.20E-04	5.29E-04	1.75E-05
1272	741973.01	4109845.32	3.96E-03	7.22E-03	3.96E-04	6.14E-04	1.18E-03	5.95E-05	5.97E-04	1.02E-03	7.55E-05	3.39E-04	5.62E-04	1.86E-05
1273	741952.38	4109858.57	4.19E-03	7.63E-03	4.19E-04	6.49E-04	1.25E-03	6.28E-05	6.31E-04	1.08E-03	7.98E-05	3.59E-04	5.94E-04	1.97E-05
1274	741931.74	4109871.83	4.37E-03	7.96E-03	4.37E-04	6.78E-04	1.31E-03	6.56E-05	6.59E-04	1.12E-03	8.33E-05	3.74E-04	6.20E-04	2.05E-05
1275	742060.69	4109767.82	2.40E-03	4.36E-03	2.40E-04	3.71E-04	7.16E-04	3.60E-05	3.61E-04	6.16E-04	4.56E-05	2.05E-04	3.40E-04	1.13E-05
1276	742113.65	4109771.57	3.13E-03	5.70E-03	3.13E-04	4.85E-04	9.35E-04	4.70E-05	4.72E-04	8.05E-04	5.96E-05	2.68E-04	4.44E-04	1.47E-05
1277	742021.42	4109784.51	2.40E-03	4.38E-03	2.40E-04	3.73E-04	7.18E-04	3.61E-05	3.62E-04	6.18E-04	4.58E-05	2.06E-04	3.41E-04	1.13E-05
1278	742000.78	4109797.77	2.52E-03	4.60E-03	2.52E-04	3.91E-04	7.54E-04	3.79E-05	3.80E-04	6.48E-04	4.81E-05	2.16E-04	3.58E-04	1.19E-05
1279	741980.14	4109811.03	2.65E-03	4.82E-03	2.65E-04	4.10E-04	7.90E-04	3.97E-05	3.99E-04	6.80E-04	5.04E-05	2.27E-04	3.75E-04	1.24E-05
1280	741959.5	4109824.28	2.78E-03	5.07E-03	2.79E-04	4.32E-04	8.32E-04	4.18E-05	4.20E-04	7.16E-04	5.30E-05	2.39E-04	3.95E-04	1.31E-05
1281	741938.86	4109837.54	2.93E-03	5.35E-03	2.94E-04	4.55E-04	8.77E-04	4.40E-05	4.43E-04	7.54E-04	5.59E-05	2.51E-04	4.16E-04	1.38E-05
1282	741918.23	4109850.8	3.07E-03	5.60E-03	3.08E-04	4.77E-04	9.18E-04	4.61E-05	4.64E-04	7.90E-04	5.86E-05	2.63E-04	4.36E-04	1.44E-05
1283	742047.18	4109746.79	1.84E-03	3.35E-03	1.84E-04	2.85E-04	5.50E-04	2.76E-05	2.78E-04	4.73E-04	3.51E-05	1.58E-04	2.61E-04	8.65E-06
1284	742084.45	4109739.92	1.98E-03	3.60E-03	1.98E-04	3.07E-04	5.91E-04	2.97E-05	2.98E-04	5.08E-04	3.77E-05	1.69E-04	2.80E-04	9.29E-06
1285	742118.77	4109747.1	2.39E-03	4.36E-03	2.40E-04	3.71E-04	7.15E-04	3.59E-05	3.61E-04	6.15E-04	4.56E-05	2.05E-04	3.39E-04	1.13E-05
1286	742007.91	4109763.48	1.84E-03	3.36E-03	1.84E-04	2.86E-04	5.50E-04	2.76E-05	2.78E-04	4.74E-04	3.51E-05	1.58E-04	2.61E-04	8.66E-06
1287	741987.27	4109776.74	1.92E-03	3.51E-03	1.93E-04	2.98E-04	5.75E-04	2.89E-05	2.90E-04	4.95E-04	3.67E-05	1.65E-04	2.73E-04	9.04E-06
1288	741966.63	4109789.99	2.01E-03	3.67E-03	2.01E-04	3.12E-04	6.01E-04	3.02E-05	3.03E-04	5.17E-04	3.83E-05	1.72E-04	2.85E-04	9.45E-06
1289	741945.99	4109803.25	2.10E-03	3.83E-03	2.10E-04	3.26E-04	6.28E-04	3.15E-05	3.17E-04	5.40E-04	4.00E-05	1.80E-04	2.98E-04	9.87E-06
1290	741925.35	4109816.51	2.20E-03	4.01E-03	2.20E-04	3.41E-04	6.57E-04	3.30E-05	3.32E-04	5.66E-04	4.19E-05	1.89E-04	3.12E-04	1.03E-05
1291	741904.72	4109829.76	2.30E-03	4.19E-03	2.30E-04	3.57E-04	6.87E-04	3.45E-05	3.47E-04	5.91E-04	4.38E-05	1.97E-04	3.26E-04	1.08E-05
1292	742023.88	4109704.03	1.22E-03	2.23E-03	1.22E-04	1.90E-04	3.65E-04	1.83E-05	1.84E-04	3.14E-04	2.33E-05	1.05E-04	1.73E-04	5.74E-06
1293	742046.24	4109699.91	1.27E-03	2.31E-03	1.27E-04	1.96E-04	3.78E-04	1.90E-05	1.91E-04	3.25E-04	2.41E-05	1.08E-04	1.79E-04	5.95E-06
1294	742068.6	4109695.79	1.31E-03	2.38E-03	1.31E-04	2.03E-04	3.91E-04	1.96E-05	1.97E-04	3.36E-04	2.49E-05	1.12E-04	1.85E-04	6.15E-06
1295	742090.96	4109691.66	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.02E-05	2.03E-04	3.46E-04	2.57E-05	1.15E-04	1.91E-04	6.33E-06
1296	742132.15	4109700.29	1.60E-03	2.92E-03	1.60E-04	2.48E-04	4.78E-04	2.40E-05	2.41E-04	4.11E-04	3.05E-05	1.37E-04	2.27E-04	7.52E-06
1297	742150.98	4109713.03	1.88E-03	3.43E-03	1.88E-04	2.92E-04	5.62E-04	2.82E-05	2.84E-04	4.83E-04	3.58E-05	1.61E-04	2.67E-04	8.84E-06
1298	742169.81	4109725.77	2.23E-03	4.06E-03	2.23E-04	3.46E-04	6.66E-04	3.35E-05	3.36E-04	5.73E-04	4.25E-05	1.91E-04	3.16E-04	1.05E-05
1299	742001.52	4109708.15	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.53E-04	1.77E-05	1.78E-04	3.03E-04	2.25E-05	1.01E-04	1.67E-04	5.55E-06
1300	741980.88	4109721.41	1.22E-03	2.22E-03	1.22E-04	1.89E-04	3.64E-04	1.83E-05	1.84E-04	3.13E-04	2.32E-05	1.04E-04	1.73E-04	5.72E-06
1301	741960.25	4109734.67	1.26E-03	2.30E-03	1.26E-04	1.96E-04	3.77E-04	1.89E-05	1.90E-04	3.24E-04	2.40E-05	1.08E-04	1.79E-04	5.93E-06
1302	741939.61	4109747.92	1.31E-03	2.38E-03	1.31E-04	2.03E-04	3.91E-04	1.96E-05	1.97E-04	3.36E-04	2.49E-05	1.12E-04	1.85E-04	6.14E-06
1303	741918.97	4109761.18	1.35E-03	2.46E-03	1.35E-04	2.10E-04	4.04E-04	2.03E-05	2.04E-04	3.47E-04	2.58E-05	1.16E-04	1.92E-04	6.35E-06
1304	741898.33	4109774.44	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.18E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.57E-06
1305	741877.69	4109787.69	1.45E-03	2.64E-03	1.45E-04	2.25E-04	4.33E-04	2.17E-05	2.18E-04	3.72E-04	2.76E-05	1.24E-04	2.05E-04	6.80E-06
1306	741995.8	4109662.16	8.86E-04	1.61E-03	8.86E-05	1.37E-04	2.65E-04	1.33E-05	1.34E-04	2.28E-04	1.69E-05	7.59E-05	1.26E-04	4.16E-06
1307	742038.39	4109654.31	9.32E-04	1.70E-03	9.33E-05	1.45E-04	2.79E-04	1.40E-05	1.41E-04	2.40E-04	1.78E-05	7.99E-05	1.32E-04	4.38E-06
1308	742080.98	4109646.45	9.74E-04	1.78E-03	9.75E-05	1.51E-04	2.91E-04	1.46E-05	1.47E-04	2.50E-04	1.86E-05	8.35E-05	1.38E-04	4.58E-06
1309	742141.5	4109650.74	1.13E-03	2.06E-03	1.13E-04	1.75E-04	3.38E-04	1.70E-05	1.70E-04	2.91E-04	2.15E-05	9.69E-05	1.60E-04	5.31E-06
1310	742177.37	4109675.01	1.46E-03	2.65E-03	1.46E-04	2.26E-04	4.35E-04	2.19E-05	2.20E-04	3.74E-04	2.78E-05	1.25E-04	2.06E-04	6.84E-06

1311	742213.23	4109699.29	1.93E-03	3.51E-03	1.93E-04	2.99E-04	5.76E-04	2.89E-05	2.91E-04	4.95E-04	3.67E-05	1.65E-04	2.73E-04	9.06E-06
1312	741953.86	4109679.34	8.79E-04	1.60E-03	8.80E-05	1.36E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.53E-05	1.25E-04	4.13E-06
1313	741933.22	4109692.6	9.02E-04	1.64E-03	9.03E-05	1.40E-04	2.70E-04	1.35E-05	1.36E-04	2.32E-04	1.72E-05	7.73E-05	1.28E-04	4.24E-06
1314	741912.59	4109705.85	9.29E-04	1.69E-03	9.30E-05	1.44E-04	2.78E-04	1.39E-05	1.40E-04	2.39E-04	1.77E-05	7.96E-05	1.32E-04	4.37E-06
1315	741891.95	4109719.11	9.56E-04	1.74E-03	9.57E-05	1.48E-04	2.86E-04	1.44E-05	1.44E-04	2.46E-04	1.82E-05	8.19E-05	1.36E-04	4.49E-06
1316	741871.31	4109732.37	9.83E-04	1.79E-03	9.84E-05	1.52E-04	2.94E-04	1.48E-05	1.48E-04	2.53E-04	1.87E-05	8.42E-05	1.39E-04	4.62E-06
1317	741850.67	4109745.62	1.01E-03	1.84E-03	1.01E-04	1.57E-04	3.02E-04	1.52E-05	1.52E-04	2.60E-04	1.93E-05	8.66E-05	1.43E-04	4.75E-06
1318	741970.77	4109619.72	6.78E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.81E-05	9.62E-05	3.19E-06
1319	741994.06	4109615.43	6.97E-04	1.27E-03	6.98E-05	1.08E-04	2.08E-04	1.05E-05	1.05E-04	1.79E-04	1.33E-05	5.98E-05	9.89E-05	3.28E-06
1320	742017.35	4109611.13	7.14E-04	1.30E-03	7.15E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.84E-04	1.36E-05	6.12E-05	1.01E-04	3.36E-06
1321	742040.64	4109606.84	7.29E-04	1.33E-03	7.29E-05	1.13E-04	2.18E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.24E-05	1.03E-04	3.42E-06
1322	742063.94	4109602.55	7.42E-04	1.35E-03	7.43E-05	1.15E-04	2.22E-04	1.11E-05	1.12E-04	1.91E-04	1.41E-05	6.36E-05	1.05E-04	3.49E-06
1323	742087.23	4109598.25	7.56E-04	1.38E-03	7.56E-05	1.17E-04	2.26E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.48E-05	1.07E-04	3.55E-06
1324	742110.52	4109593.96	7.69E-04	1.40E-03	7.70E-05	1.19E-04	2.30E-04	1.15E-05	1.16E-04	1.98E-04	1.47E-05	6.59E-05	1.09E-04	3.61E-06
1325	742153.43	4109602.94	8.64E-04	1.58E-03	8.65E-05	1.34E-04	2.58E-04	1.30E-05	1.30E-04	2.22E-04	1.65E-05	7.41E-05	1.23E-04	4.06E-06
1326	742173.04	4109616.21	9.63E-04	1.76E-03	9.64E-05	1.49E-04	2.88E-04	1.45E-05	1.45E-04	2.48E-04	1.84E-05	8.26E-05	1.37E-04	4.53E-06
1327	742192.65	4109629.49	1.09E-03	1.98E-03	1.09E-04	1.68E-04	3.24E-04	1.63E-05	1.64E-04	2.79E-04	2.07E-05	9.30E-05	1.54E-04	5.10E-06
1328	742212.27	4109642.76	1.24E-03	2.25E-03	1.24E-04	1.92E-04	3.69E-04	1.86E-05	1.87E-04	3.18E-04	2.36E-05	1.06E-04	1.75E-04	5.81E-06
1329	742231.88	4109656.04	1.42E-03	2.58E-03	1.42E-04	2.20E-04	4.24E-04	2.13E-05	2.14E-04	3.64E-04	2.70E-05	1.21E-04	2.01E-04	6.66E-06
1330	742251.49	4109669.31	1.62E-03	2.95E-03	1.62E-04	2.51E-04	4.84E-04	2.43E-05	2.44E-04	4.16E-04	3.09E-05	1.39E-04	2.30E-04	7.61E-06
1331	742271.11	4109682.59	1.83E-03	3.34E-03	1.83E-04	2.84E-04	5.48E-04	2.75E-05	2.76E-04	4.71E-04	3.49E-05	1.57E-04	2.60E-04	8.61E-06
1332	741947.48	4109624.02	6.58E-04	1.20E-03	6.58E-05	1.02E-04	1.97E-04	9.88E-06	9.92E-05	1.69E-04	1.25E-05	5.64E-05	9.33E-05	3.09E-06
1333	741926.84	4109637.27	6.69E-04	1.22E-03	6.70E-05	1.04E-04	2.00E-04	1.00E-05	1.01E-04	1.72E-04	1.28E-05	5.74E-05	9.49E-05	3.15E-06
1334	741906.2	4109650.53	6.84E-04	1.25E-03	6.84E-05	1.06E-04	2.04E-04	1.03E-05	1.03E-04	1.76E-04	1.30E-05	5.86E-05	9.70E-05	3.21E-06
1335	741885.56	4109663.79	7.02E-04	1.28E-03	7.02E-05	1.09E-04	2.10E-04	1.05E-05	1.06E-04	1.80E-04	1.34E-05	6.01E-05	9.95E-05	3.30E-06
1336	741864.93	4109677.04	7.20E-04	1.31E-03	7.21E-05	1.12E-04	2.15E-04	1.08E-05	1.09E-04	1.85E-04	1.37E-05	6.17E-05	1.02E-04	3.39E-06
1337	741844.29	4109690.3	7.38E-04	1.35E-03	7.39E-05	1.14E-04	2.21E-04	1.11E-05	1.11E-04	1.90E-04	1.41E-05	6.33E-05	1.05E-04	3.47E-06
1338	741823.65	4109703.56	7.55E-04	1.38E-03	7.55E-05	1.17E-04	2.25E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.47E-05	1.07E-04	3.55E-06
1339	741942.82	4109577.82	5.36E-04	9.77E-04	5.36E-05	8.31E-05	1.60E-04	8.04E-06	8.08E-05	1.38E-04	1.02E-05	4.59E-05	7.60E-05	2.52E-06
1340	741965.18	4109573.7	5.49E-04	1.00E-03	5.49E-05	8.51E-05	1.64E-04	8.24E-06	8.28E-05	1.41E-04	1.05E-05	4.70E-05	7.78E-05	2.58E-06
1341	741987.54	4109569.58	5.62E-04	1.02E-03	5.62E-05	8.71E-05	1.68E-04	8.43E-06	8.47E-05	1.44E-04	1.07E-05	4.81E-05	7.96E-05	2.64E-06
1342	742009.9	4109565.46	5.73E-04	1.04E-03	5.73E-05	8.89E-05	1.71E-04	8.60E-06	8.64E-05	1.47E-04	1.09E-05	4.91E-05	8.13E-05	2.69E-06
1343	742032.26	4109561.34	5.83E-04	1.06E-03	5.84E-05	9.05E-05	1.74E-04	8.76E-06	8.80E-05	1.50E-04	1.11E-05	5.00E-05	8.27E-05	2.74E-06
1344	742054.62	4109557.21	5.93E-04	1.08E-03	5.93E-05	9.19E-05	1.77E-04	8.90E-06	8.94E-05	1.52E-04	1.13E-05	5.08E-05	8.41E-05	2.79E-06
1345	742076.98	4109553.09	6.02E-04	1.10E-03	6.02E-05	9.34E-05	1.80E-04	9.04E-06	9.08E-05	1.55E-04	1.15E-05	5.16E-05	8.54E-05	2.83E-06
1346	742099.34	4109548.97	6.11E-04	1.11E-03	6.12E-05	9.48E-05	1.83E-04	9.18E-06	9.22E-05	1.57E-04	1.16E-05	5.24E-05	8.67E-05	2.87E-06
1347	742121.7	4109544.85	6.20E-04	1.13E-03	6.20E-05	9.62E-05	1.85E-04	9.31E-06	9.35E-05	1.59E-04	1.18E-05	5.31E-05	8.79E-05	2.91E-06
1348	742162.88	4109553.47	6.81E-04	1.24E-03	6.81E-05	1.06E-04	2.03E-04	1.02E-05	1.03E-04	1.75E-04	1.30E-05	5.83E-05	9.65E-05	3.20E-06
1349	742181.71	4109566.21	7.41E-04	1.35E-03	7.42E-05	1.15E-04	2.21E-04	1.11E-05	1.12E-04	1.91E-04	1.41E-05	6.35E-05	1.05E-04	3.48E-06
1350	742200.54	4109578.96	8.13E-04	1.48E-03	8.13E-05	1.26E-04	2.43E-04	1.22E-05	1.23E-04	2.09E-04	1.55E-05	6.96E-05	1.15E-04	3.82E-06
1351	742219.37	4109591.7	9.00E-04	1.64E-03	9.01E-05	1.40E-04	2.69E-04	1.35E-05	1.36E-04	2.31E-04	1.72E-05	7.71E-05	1.28E-04	4.23E-06
1352	742238.2	4109604.45	1.01E-03	1.83E-03	1.01E-04	1.56E-04	3.01E-04	1.51E-05	1.52E-04	2.59E-04	1.92E-05	8.63E-05	1.43E-04	4.73E-06
1353	742257.03	4109617.19	1.13E-03	2.06E-03	1.13E-04	1.76E-04	3.38E-04	1.70E-05	1.71E-04	2.91E-04	2.16E-05	9.70E-05	1.60E-04	5.32E-06
1354	742275.86	4109629.93	1.27E-03	2.32E-03	1.27E-04	1.97E-04	3.80E-04	1.91E-05	1.92E-04	3.27E-04	2.42E-05	1.09E-04	1.80E-04	5.98E-06
1355	742294.69	4109642.68	1.42E-03	2.59E-03	1.42E-04	2.20E-04	4.24E-04	2.13E-05	2.14E-04	3.65E-04	2.70E-05	1.22E-04	2.01E-04	6.67E-06
1356	742313.52	4109655.42	1.57E-03	2.86E-03	1.57E-04	2.43E-04	4.68E-04	2.35E-05	2.36E-04	4.03E-04	2.99E-05	1.34E-04	2.22E-04	7.36E-06
1357	741920.46	4109581.95	5.23E-04	9.53E-04	5.23E-05	8.11E-05	1.56E-04	7.85E-06	7.89E-05	1.34E-04	9.97E-06	4.48E-05	7.42E-05	2.46E-06
1358	741899.82	4109595.2	5.31E-04	9.68E-04	5.31E-05	8.24E-05	1.59E-04	7.97E-06	8.01E-05	1.37E-04	1.01E-05	4.55E-05	7.53E-05	2.50E-06
1359	741879.18	4109608.46	5.41E-04	9.86E-04	5.41E-05	8.39E-05	1.62E-04	8.12E-06	8.16E-05	1.39E-04	1.03E-05	4.63E-05	7.67E-05	2.54E-06
1360	741858.54	4109621.72	5.53E-04	1.01E-03	5.53E-05	8.58E-05	1.65E-04	8.30E-06	8.34E-05	1.42E-04	1.05E-05	4.74E-05	7.84E-05	2.60E-06
1361	741837.9	4109634.97	5.67E-04	1.03E-03	5.67E-05	8.79E-05	1.69E-04	8.50E-06	8.54E-05	1.46E-04	1.08E-05	4.86E-05	8.03E-05	2.66E-06
1362	741817.26	4109648.23	5.80E-04	1.06E-03	5.80E-05	8.99E-05	1.73E-04	8.70E-06	8.74E-05	1.49E-04	1.10E-05	4.97E-05	8.22E-05	2.72E-06
1363	741796.63	4109661.49	5.91E-04	1.08E-03	5.91E-05	9.16E-05	1.76E-04	8.87E-06	8.91E-05	1.52E-04	1.13E-05	5.06E-05	8.38E-05	2.78E-06
1364	741889.35	4109493.58	3.65E-04	6.65E-04	3.65E-05	5.66E-05	1.09E-04	5.47E-06	5.50E-05	9.38E-05	6.95E-06	3.13E-05	5.17E-05	1.71E-06
1365	741912.28	4109489.35	3.71E-04	6.76E-04	3.71E-05	5.76E-05	1.11E-04	5.57E-06	5.60E-05	9.54E-05	7.07E-06	3.18E-05	5.26E-05	1.74E-06
1366	741935.21	4109485.12	3.77E-04	6.87E-04	3.77E-05	5.85E-05	1.13E-04	5.66E-06	5.69E-05	9.70E-05	7.19E-06	3.23E-05	5.35E-05	1.77E-06
1367	741958.14	4109480.9	3.83E-04	6.99E-04	3.84E-05	5.95E-05	1.15E-04	5.75E-06	5.78E-05	9.86E-05	7.31E-06	3.29E-05	5.44E-05	1.80E-06
1368	741981.08	4109476.67	3.90E-04	7.11E-04	3.90E-05	6.05E-05	1.17E-04	5.86E-06	5.88E-05	1.00E-04	7.44E-06	3.34E-05	5.53E-05	1.83E-06
1369	742004.01	4109472.44	3.97E-04	7.24E-04	3.98E-05	6.16E-05	1.19E-04	5.97E-06	5.99E-05	1.02E-04	7.57E-06	3.41E-05	5.64E-05	1.87E-06
1370	742026.94	4109468.21	4.05E-04	7.38E-04	4.05E-05	6.28E-05	1.21E-04	6.08E-06	6.11E-05	1.04E-04	7.72E-06	3.47E-05	5.74E-05	1.90E-06
1371	742049.88	4109463.99	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.94E-06
1372	742072.81	4109459.76	4.19E-04	7.63E-04	4.19E-05	6.49E-05	1.25E-04	6.28E-06	6.31E-05	1.08E-04	7.98E-06	3.59E-05	5.94E-05	1.97E-06
1373	742095.74	4109455.53	4.24E-04	7.73E-04	4.25E-05	6.58E-05	1.27E-04	6.37E-06	6.40E-05	1.09E-04	8.08E-06	3.64E-05	6.02E-05	1.99E-06
1374	742118.68	4109451.3	4.29E-04	7.82E-04	4.30E-05	6.66E-05	1.28E-04	6.44E-06	6.47E-05	1.10E-04	8.18E-06	3.68E-05	6.09E-05	2.02E-06
1375	742141.61	4109447.07	4.34E-04	7.90E-04	4.34E-05	6.73E-05	1.30E-04	6.51E-06	6.54E-05	1.11E-04	8.26E-06	3.72E-05	6.15E-05	2.04E-06
1376	742183.86	4109455.92	4.65E-04	8.48E-04	4.66E-05	7.22E-05	1.39E-04	6.99E-06	7.02E-05	1.20E-04	8.87E-06	3.99E-05	6.60E-05	2.19E-06
1377	742203.17	4109468.99	4.96E-04	9.03E-04	4.96E-05	7.69E-05	1.48E-04	7.44E-06	7.47E-05	1.27E-04	9.45E-06	4.25E-05	7.03E-05	2.33E-06
1378	742222.48	4109482.06	5.29E-04	9.64E-04	5.30E-05	8.21E-05	1.58E-04	7.94E-06	7.98E-05	1.36E-04	1.01E-05	4.53E-05	7.50E-05	2.49E-06
1379	742241.79	4109495.13	5.69E-04	1.04E-03	5.69E-05	8.82E-05	1.70E-04	8.53E-06	8.57E-05	1.46E-04	1.08E-05	4.87E-05	8.06E-05	2.67E-06
1380	742261.1	4109508.2	6.16E-04	1.12E-03	6.17E-05	9.56E-05	1.84E-04	9.25E-06	9.29E-05	1.58E-04	1.17E-05	5.28E-05	8.74E-05	2.90E-06
1381	742280.42	4109521.27	6.74E-04	1.23E-03	6.75E-05	1.05E-04	2.01E-04	1.01E-05	1.02E-04	1.73E-04	1.28E-05	5.78E-05	9.56E-05	3.17E-06
1382	742299.73	4109534.34	7.43E-04	1.35E-03	7.43E-05	1.15E-04	2.22E-04	1.11E-05	1.12E-04	1.91E-04	1.42E-05	6.37E-05	1.05E-04	3.49E-06
1383	742319.04	4109547.41	8.21E-04	1.50E-03	8.21E-05	1.27E-04	2.45E-04	1.23E-05	1.24E-04	2.11E-04	1.56E-05	7.03E-05	1.16E-04	3.86E-06

1384	742338.35	4109560.48	9.04E-04	1.65E-03	9.05E-05	1.40E-04	2.70E-04	1.36E-05	1.36E-04	2.32E-04	1.72E-05	7.75E-05	1.28E-04	4.25E-06
1385	742357.67	4109573.55	9.91E-04	1.81E-03	9.91E-05	1.54E-04	2.96E-04	1.49E-05	1.49E-04	2.55E-04	1.89E-05	8.49E-05	1.40E-04	4.66E-06
1386	742376.98	4109586.63	1.08E-03	1.96E-03	1.08E-04	1.67E-04	3.22E-04	1.62E-05	1.62E-04	2.77E-04	2.05E-05	9.23E-05	1.53E-04	5.06E-06
1387	742396.29	4109599.7	1.17E-03	2.12E-03	1.17E-04	1.81E-04	3.48E-04	1.75E-05	1.76E-04	3.00E-04	2.22E-05	9.99E-05	1.65E-04	5.48E-06
1388	741866.41	4109497.81	3.58E-04	6.52E-04	3.58E-05	5.55E-05	1.07E-04	5.37E-06	5.40E-05	9.20E-05	6.82E-06	3.07E-05	5.08E-05	1.68E-06
1389	741845.77	4109511.06	3.63E-04	6.61E-04	3.63E-05	5.63E-05	1.08E-04	5.44E-06	5.47E-05	9.33E-05	6.91E-06	3.11E-05	5.14E-05	1.70E-06
1390	741825.14	4109524.32	3.68E-04	6.71E-04	3.69E-05	5.71E-05	1.10E-04	5.53E-06	5.55E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
1391	741804.5	4109537.58	3.75E-04	6.84E-04	3.75E-05	5.82E-05	1.12E-04	5.63E-06	5.66E-05	9.65E-05	7.15E-06	3.22E-05	5.32E-05	1.76E-06
1392	741783.86	4109550.83	3.83E-04	6.98E-04	3.83E-05	5.94E-05	1.14E-04	5.75E-06	5.78E-05	9.85E-05	7.30E-06	3.28E-05	5.43E-05	1.80E-06
1393	741763.22	4109564.09	3.91E-04	7.12E-04	3.91E-05	6.06E-05	1.17E-04	5.87E-06	5.89E-05	1.00E-04	7.45E-06	3.35E-05	5.54E-05	1.84E-06
1394	741742.58	4109577.35	3.97E-04	7.24E-04	3.98E-05	6.16E-05	1.19E-04	5.96E-06	5.99E-05	1.02E-04	7.57E-06	3.41E-05	5.63E-05	1.87E-06
1395	741835.66	4109409.38	2.67E-04	4.87E-04	2.67E-05	4.14E-05	7.98E-05	4.01E-06	4.03E-05	6.87E-05	5.09E-06	2.29E-05	3.79E-05	1.26E-06
1396	741858.95	4109405.08	2.71E-04	4.94E-04	2.71E-05	4.20E-05	8.10E-05	4.07E-06	4.09E-05	6.97E-05	5.16E-06	2.32E-05	3.84E-05	1.27E-06
1397	741882.24	4109400.79	2.75E-04	5.01E-04	2.75E-05	4.26E-05	8.21E-05	4.12E-06	4.14E-05	7.06E-05	5.24E-06	2.35E-05	3.90E-05	1.29E-06
1398	741905.53	4109396.49	2.79E-04	5.08E-04	2.79E-05	4.32E-05	8.32E-05	4.18E-06	4.20E-05	7.16E-05	5.31E-06	2.39E-05	3.95E-05	1.31E-06
1399	741928.83	4109392.2	2.82E-04	5.14E-04	2.82E-05	4.38E-05	8.43E-05	4.24E-06	4.26E-05	7.25E-05	5.38E-06	2.42E-05	4.00E-05	1.33E-06
1400	741952.12	4109387.91	2.86E-04	5.21E-04	2.86E-05	4.44E-05	8.55E-05	4.29E-06	4.31E-05	7.35E-05	5.45E-06	2.45E-05	4.06E-05	1.34E-06
1401	741975.41	4109383.61	2.90E-04	5.29E-04	2.91E-05	4.50E-05	8.67E-05	4.36E-06	4.38E-05	7.46E-05	5.53E-06	2.49E-05	4.12E-05	1.36E-06
1402	741998.7	4109379.32	2.95E-04	5.38E-04	2.95E-05	4.58E-05	8.82E-05	4.43E-06	4.45E-05	7.59E-05	5.63E-06	2.53E-05	4.19E-05	1.39E-06
1403	742021.99	4109375.02	3.01E-04	5.48E-04	3.01E-05	4.66E-05	8.98E-05	4.51E-06	4.53E-05	7.73E-05	5.73E-06	2.58E-05	4.26E-05	1.41E-06
1404	742045.28	4109370.73	3.06E-04	5.57E-04	3.06E-05	4.74E-05	9.13E-05	4.59E-06	4.61E-05	7.86E-05	5.83E-06	2.62E-05	4.34E-05	1.44E-06
1405	742068.57	4109366.44	3.11E-04	5.66E-04	3.11E-05	4.82E-05	9.28E-05	4.66E-06	4.68E-05	7.98E-05	5.92E-06	2.66E-05	4.40E-05	1.46E-06
1406	742091.87	4109362.14	3.15E-04	5.74E-04	3.15E-05	4.88E-05	9.41E-05	4.73E-06	4.75E-05	8.09E-05	6.00E-06	2.70E-05	4.46E-05	1.48E-06
1407	742115.16	4109357.85	3.19E-04	5.81E-04	3.19E-05	4.94E-05	9.52E-05	4.78E-06	4.80E-05	8.19E-05	6.07E-06	2.73E-05	4.52E-05	1.50E-06
1408	742138.45	4109353.55	3.22E-04	5.86E-04	3.22E-05	4.99E-05	9.61E-05	4.83E-06	4.85E-05	8.27E-05	6.13E-06	2.76E-05	4.56E-05	1.51E-06
1409	742161.74	4109349.26	3.25E-04	5.92E-04	3.25E-05	5.03E-05	9.70E-05	4.87E-06	4.90E-05	8.35E-05	6.19E-06	2.78E-05	4.60E-05	1.53E-06
1410	742204.65	4109358.24	3.44E-04	6.27E-04	3.44E-05	5.33E-05	1.03E-04	5.16E-06	5.19E-05	8.84E-05	6.56E-06	2.95E-05	4.88E-05	1.62E-06
1411	742224.26	4109371.52	3.61E-04	6.59E-04	3.62E-05	5.61E-05	1.08E-04	5.43E-06	5.45E-05	9.29E-05	6.89E-06	3.10E-05	5.13E-05	1.70E-06
1412	742243.87	4109384.79	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.72E-05	9.76E-05	7.23E-06	3.25E-05	5.38E-05	1.78E-06
1413	742263.49	4109398.07	4.00E-04	7.28E-04	4.00E-05	6.20E-05	1.19E-04	6.00E-06	6.03E-05	1.03E-04	7.62E-06	3.42E-05	5.67E-05	1.88E-06
1414	742283.1	4109411.34	4.23E-04	7.71E-04	4.23E-05	6.56E-05	1.26E-04	6.35E-06	6.38E-05	1.09E-04	8.06E-06	3.62E-05	6.00E-05	1.99E-06
1415	742302.72	4109424.62	4.51E-04	8.22E-04	4.52E-05	7.00E-05	1.35E-04	6.77E-06	6.81E-05	1.16E-04	8.60E-06	3.87E-05	6.40E-05	2.12E-06
1416	742322.33	4109437.89	4.86E-04	8.85E-04	4.86E-05	7.53E-05	1.45E-04	7.29E-06	7.33E-05	1.25E-04	9.26E-06	4.16E-05	6.89E-05	2.28E-06
1417	742341.94	4109451.17	5.27E-04	9.59E-04	5.27E-05	8.16E-05	1.57E-04	7.90E-06	7.94E-05	1.35E-04	1.00E-05	4.51E-05	7.47E-05	2.47E-06
1418	742361.56	4109464.44	5.73E-04	1.04E-03	5.73E-05	8.88E-05	1.71E-04	8.60E-06	8.64E-05	1.47E-04	1.09E-05	4.91E-05	8.12E-05	2.69E-06
1419	742381.17	4109477.72	6.23E-04	1.14E-03	6.24E-05	9.66E-05	1.86E-04	9.35E-06	9.40E-05	1.60E-04	1.19E-05	5.34E-05	8.84E-05	2.93E-06
1420	742400.79	4109490.99	6.76E-04	1.23E-03	6.77E-05	1.05E-04	2.02E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.79E-05	9.59E-05	3.18E-06
1421	742420.4	4109504.27	7.31E-04	1.33E-03	7.32E-05	1.13E-04	2.19E-04	1.10E-05	1.10E-04	1.88E-04	1.39E-05	6.27E-05	1.04E-04	3.44E-06
1422	742440.01	4109517.54	7.88E-04	1.44E-03	7.89E-05	1.22E-04	2.35E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.75E-05	1.12E-04	3.70E-06
1423	742459.63	4109530.82	8.47E-04	1.54E-03	8.47E-05	1.31E-04	2.53E-04	1.27E-05	1.28E-04	2.18E-04	1.61E-05	7.26E-05	1.20E-04	3.98E-06
1424	742479.24	4109544.09	9.06E-04	1.65E-03	9.06E-05	1.40E-04	2.71E-04	1.36E-05	1.37E-04	2.33E-04	1.73E-05	7.76E-05	1.28E-04	4.26E-06
1425	741812.37	4109413.67	2.63E-04	4.80E-04	2.64E-05	4.08E-05	7.87E-05	3.95E-06	3.97E-05	6.77E-05	5.02E-06	2.26E-05	3.73E-05	1.24E-06
1426	741791.73	4109426.93	2.67E-04	4.87E-04	2.67E-05	4.14E-05	7.98E-05	4.01E-06	4.03E-05	6.87E-05	5.09E-06	2.29E-05	3.79E-05	1.26E-06
1427	741771.09	4109440.18	2.71E-04	4.94E-04	2.71E-05	4.20E-05	8.10E-05	4.07E-06	4.09E-05	6.97E-05	5.17E-06	2.32E-05	3.84E-05	1.27E-06
1428	741750.45	4109453.44	2.76E-04	5.02E-04	2.76E-05	4.27E-05	8.23E-05	4.14E-06	4.16E-05	7.08E-05	5.25E-06	2.36E-05	3.91E-05	1.30E-06
1429	741729.81	4109466.7	2.81E-04	5.12E-04	2.81E-05	4.35E-05	8.39E-05	4.21E-06	4.23E-05	7.22E-05	5.35E-06	2.41E-05	3.98E-05	1.32E-06
1430	741709.18	4109479.95	2.86E-04	5.21E-04	2.86E-05	4.43E-05	8.54E-05	4.29E-06	4.31E-05	7.35E-05	5.45E-06	2.45E-05	4.05E-05	1.34E-06
1431	741688.54	4109493.21	2.90E-04	5.29E-04	2.91E-05	4.50E-05	8.68E-05	4.36E-06	4.38E-05	7.47E-05	5.53E-06	2.49E-05	4.12E-05	1.36E-06
1432	741781.86	4109325.19	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
1433	741805.4	4109320.85	2.08E-04	3.79E-04	2.08E-05	3.22E-05	6.21E-05	3.12E-06	3.14E-05	5.35E-05	3.96E-06	1.78E-05	2.95E-05	9.77E-07
1434	741828.93	4109316.51	2.10E-04	3.83E-04	2.10E-05	3.26E-05	6.28E-05	3.15E-06	3.17E-05	5.40E-05	4.01E-06	1.80E-05	2.98E-05	9.88E-07
1435	741852.47	4109312.18	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.35E-05	3.19E-06	3.21E-05	5.47E-05	4.05E-06	1.82E-05	3.02E-05	1.00E-06
1436	741876.01	4109307.84	2.16E-04	3.93E-04	2.16E-05	3.34E-05	6.44E-05	3.24E-06	3.25E-05	5.54E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
1437	741899.54	4109303.5	2.19E-04	3.98E-04	2.19E-05	3.39E-05	6.53E-05	3.28E-06	3.30E-05	5.62E-05	4.17E-06	1.87E-05	3.10E-05	1.03E-06
1438	741923.08	4109299.16	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.33E-06	3.34E-05	5.70E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
1439	741946.62	4109294.82	2.24E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
1440	741970.15	4109290.48	2.27E-04	4.14E-04	2.28E-05	3.53E-05	6.79E-05	3.41E-06	3.43E-05	5.85E-05	4.33E-06	1.95E-05	3.22E-05	1.07E-06
1441	741993.69	4109286.14	2.31E-04	4.20E-04	2.31E-05	3.58E-05	6.89E-05	3.46E-06	3.48E-05	5.93E-05	4.39E-06	1.98E-05	3.27E-05	1.08E-06
1442	742017.23	4109281.8	2.34E-04	4.26E-04	2.34E-05	3.63E-05	6.99E-05	3.51E-06	3.53E-05	6.02E-05	4.46E-06	2.01E-05	3.32E-05	1.10E-06
1443	742040.76	4109277.46	2.37E-04	4.33E-04	2.38E-05	3.68E-05	7.10E-05	3.56E-06	3.58E-05	6.11E-05	4.53E-06	2.04E-05	3.37E-05	1.12E-06
1444	742064.3	4109273.12	2.41E-04	4.39E-04	2.41E-05	3.74E-05	7.20E-05	3.62E-06	3.63E-05	6.19E-05	4.59E-06	2.06E-05	3.42E-05	1.13E-06
1445	742087.84	4109268.78	2.44E-04	4.45E-04	2.44E-05	3.79E-05	7.29E-05	3.66E-06	3.68E-05	6.28E-05	4.65E-06	2.09E-05	3.46E-05	1.15E-06
1446	742111.37	4109264.45	2.47E-04	4.50E-04	2.47E-05	3.83E-05	7.38E-05	3.71E-06	3.73E-05	6.35E-05	4.71E-06	2.12E-05	3.50E-05	1.16E-06
1447	742134.91	4109260.11	2.50E-04	4.55E-04	2.50E-05	3.87E-05	7.46E-05	3.75E-06	3.77E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
1448	742158.45	4109255.77	2.52E-04	4.60E-04	2.52E-05	3.91E-05	7.54E-05	3.79E-06	3.80E-05	6.48E-05	4.81E-06	2.16E-05	3.58E-05	1.19E-06
1449	742181.98	4109251.43	2.54E-04	4.64E-04	2.55E-05	3.95E-05	7.60E-05	3.82E-06	3.84E-05	6.54E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
1450	742225.34	4109260.5	2.68E-04	4.88E-04	2.68E-05	4.15E-05	8.00E-05	4.02E-06	4.04E-05	6.88E-05	5.10E-06	2.29E-05	3.79E-05	1.26E-06
1451	742245.16	4109273.92	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.33E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
1452	742264.98	4109287.33	2.90E-04	5.29E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.46E-05	5.53E-06	2.49E-05	4.11E-05	1.36E-06
1453	742284.8	4109300.75	3.01E-04	5.49E-04	3.02E-05	4.67E-05	9.01E-05	4.52E-06	4.55E-05	7.75E-05	5.74E-06	2.58E-05	4.27E-05	1.42E-06
1454	742304.62	4109314.16	3.14E-04	5.72E-04	3.14E-05	4.87E-05	9.38E-05	4.71E-06	4.74E-05	8.07E-05	5.98E-06	2.69E-05	4.45E-05	1.48E-06
1455	742324.44	4109327.58	3.29E-04	6.00E-04	3.29E-05	5.10E-05	9.83E-05	4.94E-06	4.96E-05	8.46E-05	6.27E-06	2.82E-05	4.67E-05	1.55E-06
1456	742344.26	4109340.99	3.47E-04	6.33E-04	3.47E-05	5.38E-05	1.04E-04	5.21E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.92E-05	1.63E-06

1457	742364.08	4109354.41	3.69E-04	6.72E-04	3.69E-05	5.72E-05	1.10E-04	5.54E-06	5.57E-05	9.49E-05	7.03E-06	3.16E-05	5.23E-05	1.73E-06
1458	742383.9	4109367.82	3.95E-04	7.19E-04	3.95E-05	6.12E-05	1.18E-04	5.92E-06	5.95E-05	1.01E-04	7.52E-06	3.38E-05	5.59E-05	1.85E-06
1459	742403.72	4109381.24	4.23E-04	7.72E-04	4.24E-05	6.57E-05	1.27E-04	6.36E-06	6.39E-05	1.09E-04	8.07E-06	3.63E-05	6.00E-05	1.99E-06
1460	742423.54	4109394.65	4.55E-04	8.30E-04	4.56E-05	7.06E-05	1.36E-04	6.83E-06	6.87E-05	1.17E-04	8.68E-06	3.90E-05	6.46E-05	2.14E-06
1461	742443.37	4109408.07	4.90E-04	8.93E-04	4.90E-05	7.60E-05	1.46E-04	7.35E-06	7.39E-05	1.26E-04	9.34E-06	4.20E-05	6.95E-05	2.30E-06
1462	742463.19	4109421.48	5.27E-04	9.59E-04	5.27E-05	8.17E-05	1.57E-04	7.90E-06	7.94E-05	1.35E-04	1.00E-05	4.51E-05	7.47E-05	2.47E-06
1463	742483.01	4109434.9	5.65E-04	1.03E-03	5.66E-05	8.77E-05	1.69E-04	8.49E-06	8.53E-05	1.45E-04	1.08E-05	4.85E-05	8.02E-05	2.66E-06
1464	742502.83	4109448.31	6.06E-04	1.10E-03	6.06E-05	9.40E-05	1.81E-04	9.09E-06	9.14E-05	1.56E-04	1.15E-05	5.19E-05	8.59E-05	2.85E-06
1465	742522.65	4109461.73	6.47E-04	1.18E-03	6.47E-05	1.00E-04	1.93E-04	9.71E-06	9.75E-05	1.66E-04	1.23E-05	5.54E-05	9.17E-05	3.04E-06
1466	742542.47	4109475.14	6.86E-04	1.25E-03	6.87E-05	1.06E-04	2.05E-04	1.03E-05	1.03E-04	1.76E-04	1.31E-05	5.88E-05	9.73E-05	3.22E-06
1467	742562.29	4109488.56	7.23E-04	1.32E-03	7.23E-05	1.12E-04	2.16E-04	1.09E-05	1.09E-04	1.86E-04	1.38E-05	6.19E-05	1.03E-04	3.40E-06
1468	741758.32	4109329.53	2.04E-04	3.71E-04	2.04E-05	3.16E-05	6.09E-05	3.06E-06	3.07E-05	5.24E-05	3.88E-06	1.75E-05	2.89E-05	9.58E-07
1469	741737.68	4109342.79	2.07E-04	3.76E-04	2.07E-05	3.20E-05	6.17E-05	3.10E-06	3.12E-05	5.31E-05	3.94E-06	1.77E-05	2.93E-05	9.71E-07
1470	741717.05	4109356.05	2.10E-04	3.82E-04	2.10E-05	3.25E-05	6.26E-05	3.15E-06	3.16E-05	5.39E-05	3.99E-06	1.80E-05	2.97E-05	9.85E-07
1471	741696.41	4109369.3	2.13E-04	3.88E-04	2.13E-05	3.31E-05	6.37E-05	3.20E-06	3.21E-05	5.48E-05	4.06E-06	1.83E-05	3.02E-05	1.00E-06
1472	741675.77	4109382.56	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.48E-05	3.26E-06	3.27E-05	5.58E-05	4.13E-06	1.86E-05	3.08E-05	1.02E-06
1473	741655.13	4109395.82	2.21E-04	4.02E-04	2.21E-05	3.42E-05	6.60E-05	3.31E-06	3.33E-05	5.68E-05	4.21E-06	1.89E-05	3.13E-05	1.04E-06
1474	741634.49	4109409.07	2.24E-04	4.09E-04	2.24E-05	3.48E-05	6.70E-05	3.37E-06	3.38E-05	5.77E-05	4.27E-06	1.92E-05	3.18E-05	1.05E-06
1475	741727.99	4109241.02	1.65E-04	3.00E-04	1.65E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.23E-05	3.13E-06	1.41E-05	2.33E-05	7.73E-07
1476	741751.71	4109236.65	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.96E-05	2.49E-06	2.50E-05	4.27E-05	3.16E-06	1.42E-05	2.35E-05	7.80E-07
1477	741775.42	4109232.28	1.67E-04	3.05E-04	1.68E-05	2.60E-05	5.00E-05	2.51E-06	2.52E-05	4.30E-05	3.19E-06	1.43E-05	2.37E-05	7.87E-07
1478	741799.14	4109227.91	1.69E-04	3.08E-04	1.69E-05	2.62E-05	5.05E-05	2.54E-06	2.55E-05	4.34E-05	3.22E-06	1.45E-05	2.40E-05	7.94E-07
1479	741822.85	4109223.53	1.71E-04	3.11E-04	1.71E-05	2.65E-05	5.10E-05	2.56E-06	2.57E-05	4.39E-05	3.25E-06	1.46E-05	2.42E-05	8.02E-07
1480	741846.57	4109219.16	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.16E-05	2.59E-06	2.61E-05	4.44E-05	3.29E-06	1.48E-05	2.45E-05	8.12E-07
1481	741870.28	4109214.79	1.75E-04	3.19E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.48E-05	8.24E-07
1482	741894	4109210.42	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.35E-07
1483	741917.71	4109206.05	1.80E-04	3.29E-04	1.80E-05	2.80E-05	5.39E-05	2.71E-06	2.72E-05	4.63E-05	3.44E-06	1.54E-05	2.56E-05	8.47E-07
1484	741941.43	4109201.67	1.82E-04	3.32E-04	1.83E-05	2.83E-05	5.45E-05	2.74E-06	2.75E-05	4.69E-05	3.48E-06	1.56E-05	2.59E-05	8.58E-07
1485	741965.14	4109197.3	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.51E-05	2.77E-06	2.78E-05	4.74E-05	3.52E-06	1.58E-05	2.62E-05	8.67E-07
1486	741988.86	4109192.93	1.87E-04	3.40E-04	1.87E-05	2.89E-05	5.57E-05	2.80E-06	2.81E-05	4.80E-05	3.55E-06	1.60E-05	2.65E-05	8.77E-07
1487	742012.57	4109188.56	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
1488	742036.29	4109184.19	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.71E-05	2.87E-06	2.88E-05	4.91E-05	3.64E-06	1.64E-05	2.71E-05	8.98E-07
1489	742060	4109179.81	1.93E-04	3.52E-04	1.94E-05	3.00E-05	5.78E-05	2.90E-06	2.92E-05	4.97E-05	3.69E-06	1.66E-05	2.74E-05	9.09E-07
1490	742083.72	4109175.44	1.96E-04	3.57E-04	1.96E-05	3.03E-05	5.85E-05	2.94E-06	2.95E-05	5.03E-05	3.73E-06	1.68E-05	2.77E-05	9.20E-07
1491	742107.43	4109171.07	1.98E-04	3.61E-04	1.98E-05	3.07E-05	5.91E-05	2.97E-06	2.98E-05	5.09E-05	3.77E-06	1.70E-05	2.81E-05	9.30E-07
1492	742131.15	4109166.7	2.00E-04	3.65E-04	2.00E-05	3.10E-05	5.98E-05	3.00E-06	3.02E-05	5.15E-05	3.81E-06	1.71E-05	2.84E-05	9.41E-07
1493	742154.86	4109162.33	2.02E-04	3.69E-04	2.02E-05	3.14E-05	6.04E-05	3.04E-06	3.05E-05	5.20E-05	3.85E-06	1.73E-05	2.87E-05	9.50E-07
1494	742178.58	4109157.95	2.04E-04	3.72E-04	2.04E-05	3.17E-05	6.10E-05	3.07E-06	3.08E-05	5.25E-05	3.89E-06	1.75E-05	2.90E-05	9.60E-07
1495	742202.29	4109153.58	2.06E-04	3.76E-04	2.06E-05	3.20E-05	6.16E-05	3.09E-06	3.11E-05	5.30E-05	3.93E-06	1.77E-05	2.92E-05	9.69E-07
1496	742245.98	4109162.73	2.16E-04	3.93E-04	2.16E-05	3.35E-05	6.45E-05	3.24E-06	3.26E-05	5.55E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
1497	742265.95	4109176.24	2.24E-04	4.08E-04	2.24E-05	3.47E-05	6.69E-05	3.36E-06	3.38E-05	5.75E-05	4.27E-06	1.92E-05	3.17E-05	1.05E-06
1498	742285.92	4109189.76	2.31E-04	4.21E-04	2.31E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.95E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
1499	742305.89	4109203.28	2.39E-04	4.35E-04	2.39E-05	3.70E-05	7.13E-05	3.58E-06	3.60E-05	6.13E-05	4.55E-06	2.04E-05	3.38E-05	1.12E-06
1500	742325.86	4109216.79	2.46E-04	4.48E-04	2.46E-05	3.82E-05	7.35E-05	3.69E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
1501	742345.83	4109230.31	2.55E-04	4.64E-04	2.55E-05	3.95E-05	7.61E-05	3.82E-06	3.84E-05	6.55E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
1502	742365.8	4109243.83	2.65E-04	4.83E-04	2.65E-05	4.11E-05	7.92E-05	3.98E-06	4.00E-05	6.81E-05	5.05E-06	2.27E-05	3.76E-05	1.25E-06
1503	742385.77	4109257.34	2.77E-04	5.05E-04	2.77E-05	4.30E-05	8.28E-05	4.16E-06	4.18E-05	7.13E-05	5.28E-06	2.38E-05	3.93E-05	1.30E-06
1504	742405.74	4109270.86	2.92E-04	5.31E-04	2.92E-05	4.52E-05	8.71E-05	4.38E-06	4.40E-05	7.50E-05	5.56E-06	2.50E-05	4.13E-05	1.37E-06
1505	742425.71	4109284.38	3.08E-04	5.62E-04	3.08E-05	4.78E-05	9.21E-05	4.63E-06	4.65E-05	7.92E-05	5.87E-06	2.64E-05	4.37E-05	1.45E-06
1506	742445.69	4109297.89	3.27E-04	5.96E-04	3.27E-05	5.07E-05	9.77E-05	4.91E-06	4.93E-05	8.41E-05	6.23E-06	2.80E-05	4.64E-05	1.54E-06
1507	742465.66	4109311.41	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.94E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
1508	742485.63	4109324.92	3.71E-04	6.77E-04	3.72E-05	5.76E-05	1.11E-04	5.57E-06	5.60E-05	9.55E-05	7.08E-06	3.18E-05	5.27E-05	1.75E-06
1509	742505.6	4109338.44	3.97E-04	7.24E-04	3.97E-05	6.16E-05	1.19E-04	5.96E-06	5.99E-05	1.02E-04	7.57E-06	3.40E-05	5.63E-05	1.87E-06
1510	742525.57	4109351.96	4.25E-04	7.74E-04	4.25E-05	6.59E-05	1.27E-04	6.38E-06	6.41E-05	1.09E-04	8.10E-06	3.64E-05	6.02E-05	2.00E-06
1511	742545.54	4109365.47	4.54E-04	8.27E-04	4.54E-05	7.04E-05	1.36E-04	6.81E-06	6.84E-05	1.17E-04	8.65E-06	3.89E-05	6.43E-05	2.13E-06
1512	742565.51	4109378.99	4.83E-04	8.80E-04	4.83E-05	7.49E-05	1.44E-04	7.25E-06	7.28E-05	1.24E-04	9.20E-06	4.14E-05	6.85E-05	2.27E-06
1513	742585.48	4109392.51	5.12E-04	9.32E-04	5.12E-05	7.94E-05	1.53E-04	7.68E-06	7.72E-05	1.32E-04	9.75E-06	4.38E-05	7.26E-05	2.40E-06
1514	742605.45	4109406.02	5.40E-04	9.83E-04	5.40E-05	8.37E-05	1.61E-04	8.10E-06	8.14E-05	1.39E-04	1.03E-05	4.62E-05	7.65E-05	2.54E-06
1515	742625.42	4109419.54	5.65E-04	1.03E-03	5.66E-05	8.77E-05	1.69E-04	8.49E-06	8.53E-05	1.45E-04	1.08E-05	4.85E-05	8.02E-05	2.66E-06
1516	742645.39	4109433.06	5.88E-04	1.07E-03	5.88E-05	9.12E-05	1.76E-04	8.82E-06	8.87E-05	1.51E-04	1.12E-05	5.04E-05	8.34E-05	2.76E-06
1517	741704.28	4109245.39	1.63E-04	2.97E-04	1.63E-05	2.53E-05	4.88E-05	2.45E-06	2.46E-05	4.20E-05	3.11E-06	1.40E-05	2.31E-05	7.67E-07
1518	741683.64	4109258.65	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.94E-05	2.48E-06	2.49E-05	4.25E-05	3.15E-06	1.42E-05	2.34E-05	7.77E-07
1519	741663	4109271.91	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.02E-05	2.52E-06	2.53E-05	4.32E-05	3.20E-06	1.44E-05	2.38E-05	7.89E-07
1520	741642.36	4109285.16	1.71E-04	3.11E-04	1.71E-05	2.65E-05	5.10E-05	2.56E-06	2.58E-05	4.39E-05	3.26E-06	1.46E-05	2.42E-05	8.03E-07
1521	741621.73	4109298.42	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
1522	741601.09	4109311.68	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.29E-05	2.66E-06	2.67E-05	4.55E-05	3.38E-06	1.52E-05	2.51E-05	8.33E-07
1523	741580.45	4109324.93	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.38E-05	2.70E-06	2.71E-05	4.63E-05	3.43E-06	1.54E-05	2.55E-05	8.46E-07
1524	741620.15	4109072.7	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.72E-06	1.61E-05	5.33E-07
1525	741644.1	4109068.29	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.93E-05	2.17E-06	9.78E-06	1.62E-05	5.36E-07
1526	741668.06	4109063.87	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.73E-06	1.73E-05	2.95E-05	2.19E-06	9.85E-06	1.63E-05	5.40E-07
1527	741692.02	4109059.45	1.16E-04	2.11E-04	1.16E-05	1.80E-05	3.46E-05	1.74E-06	1.75E-05	2.98E-05	2.21E-06	9.93E-06	1.64E-05	5.45E-07
1528	741715.97	4109055.04	1.17E-04	2.13E-04	1.17E-05	1.81E-05	3.49E-05	1.75E-06	1.76E-05	3.00E-05	2.23E-06	1.00E-05	1.66E-05	5.49E-07
1529	741739.93	4109050.62	1.18E-04	2.15E-04	1.18E-05	1.83E-05	3.52E-05	1.77E-06	1.78E-05	3.03E-05	2.24E-06	1.01E-05	1.67E-05	5.53E-07

1530	741763.89	4109046.2	1.19E-04	2.17E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
1531	741787.85	4109041.79	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.65E-07
1532	741811.8	4109037.37	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.63E-05	1.83E-06	1.83E-05	3.13E-05	2.32E-06	1.04E-05	1.72E-05	5.72E-07
1533	741835.76	4109032.95	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
1534	741859.72	4109028.54	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.73E-05	1.88E-06	1.88E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.87E-07
1535	741883.67	4109024.12	1.27E-04	2.31E-04	1.27E-05	1.96E-05	3.78E-05	1.90E-06	1.91E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.95E-07
1536	741907.63	4109019.7	1.28E-04	2.33E-04	1.28E-05	1.98E-05	3.82E-05	1.92E-06	1.93E-05	3.29E-05	2.44E-06	1.10E-05	1.81E-05	6.01E-07
1537	741931.59	4109015.29	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
1538	741955.55	4109010.87	1.30E-04	2.38E-04	1.30E-05	2.02E-05	3.89E-05	1.96E-06	1.97E-05	3.35E-05	2.48E-06	1.12E-05	1.85E-05	6.13E-07
1539	741979.5	4109006.45	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.97E-06	1.98E-05	3.38E-05	2.51E-06	1.13E-05	1.87E-05	6.18E-07
1540	742003.46	4109002.04	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.96E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.23E-07
1541	742027.42	4108997.62	1.34E-04	2.44E-04	1.34E-05	2.07E-05	3.99E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.28E-07
1542	742051.37	4108993.2	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.46E-05	2.57E-06	1.15E-05	1.91E-05	6.33E-07
1543	742075.33	4108988.79	1.36E-04	2.47E-04	1.36E-05	2.10E-05	4.06E-05	2.04E-06	2.05E-05	3.49E-05	2.59E-06	1.16E-05	1.92E-05	6.38E-07
1544	742099.29	4108984.37	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
1545	742123.24	4108979.95	1.38E-04	2.51E-04	1.38E-05	2.14E-05	4.12E-05	2.07E-06	2.08E-05	3.54E-05	2.63E-06	1.18E-05	1.95E-05	6.48E-07
1546	742147.2	4108975.54	1.39E-04	2.53E-04	1.39E-05	2.16E-05	4.16E-05	2.09E-06	2.10E-05	3.58E-05	2.65E-06	1.19E-05	1.97E-05	6.54E-07
1547	742171.16	4108971.12	1.41E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.61E-05	2.68E-06	1.20E-05	1.99E-05	6.60E-07
1548	742195.12	4108966.7	1.42E-04	2.59E-04	1.42E-05	2.20E-05	4.25E-05	2.13E-06	2.14E-05	3.65E-05	2.71E-06	1.22E-05	2.01E-05	6.68E-07
1549	742219.07	4108962.29	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.16E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
1550	742243.03	4108957.87	1.45E-04	2.65E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.73E-05	2.77E-06	1.24E-05	2.06E-05	6.82E-07
1551	742287.16	4108967.11	1.51E-04	2.76E-04	1.51E-05	2.35E-05	4.52E-05	2.27E-06	2.28E-05	3.89E-05	2.88E-06	1.30E-05	2.15E-05	7.11E-07
1552	742307.34	4108980.76	1.56E-04	2.84E-04	1.56E-05	2.42E-05	4.66E-05	2.34E-06	2.35E-05	4.01E-05	2.97E-06	1.34E-05	2.21E-05	7.33E-07
1553	742327.51	4108994.42	1.60E-04	2.92E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.12E-05	3.05E-06	1.37E-05	2.27E-05	7.53E-07
1554	742347.68	4109008.07	1.64E-04	2.99E-04	1.64E-05	2.54E-05	4.90E-05	2.46E-06	2.47E-05	4.21E-05	3.12E-06	1.40E-05	2.32E-05	7.70E-07
1555	742367.86	4109021.72	1.68E-04	3.05E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.19E-06	1.44E-05	2.38E-05	7.88E-07
1556	742388.03	4109035.38	1.71E-04	3.12E-04	1.71E-05	2.66E-05	5.12E-05	2.57E-06	2.58E-05	4.40E-05	3.26E-06	1.47E-05	2.43E-05	8.05E-07
1557	742408.21	4109049.03	1.75E-04	3.19E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.50E-05	3.34E-06	1.50E-05	2.48E-05	8.24E-07
1558	742428.38	4109062.69	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.37E-05	2.70E-06	2.71E-05	4.62E-05	3.43E-06	1.54E-05	2.55E-05	8.45E-07
1559	742448.56	4109076.34	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.53E-05	2.78E-06	2.79E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.69E-07
1560	742468.73	4109090	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.70E-05	2.87E-06	2.88E-05	4.91E-05	3.64E-06	1.64E-05	2.71E-05	8.97E-07
1561	742488.9	4109103.65	1.98E-04	3.60E-04	1.98E-05	3.07E-05	5.91E-05	2.97E-06	2.98E-05	5.08E-05	3.77E-06	1.69E-05	2.80E-05	9.29E-07
1562	742509.08	4109117.31	2.05E-04	3.74E-04	2.06E-05	3.19E-05	6.14E-05	3.08E-06	3.10E-05	5.28E-05	3.91E-06	1.76E-05	2.91E-05	9.65E-07
1563	742529.25	4109130.96	2.14E-04	3.91E-04	2.15E-05	3.33E-05	6.41E-05	3.22E-06	3.23E-05	5.51E-05	4.09E-06	1.84E-05	3.04E-05	1.01E-06
1564	742549.43	4109144.62	2.25E-04	4.10E-04	2.25E-05	3.49E-05	6.72E-05	3.37E-06	3.39E-05	5.78E-05	4.28E-06	1.93E-05	3.19E-05	1.06E-06
1565	742569.6	4109158.27	2.37E-04	4.32E-04	2.37E-05	3.67E-05	7.08E-05	3.56E-06	3.57E-05	6.09E-05	4.51E-06	2.03E-05	3.36E-05	1.11E-06
1566	742589.78	4109171.92	2.51E-04	4.57E-04	2.51E-05	3.89E-05	7.49E-05	3.76E-06	3.78E-05	6.44E-05	4.77E-06	2.15E-05	3.55E-05	1.18E-06
1567	742609.95	4109185.58	2.65E-04	4.84E-04	2.66E-05	4.12E-05	7.93E-05	3.98E-06	4.00E-05	6.82E-05	5.06E-06	2.27E-05	3.76E-05	1.25E-06
1568	742630.12	4109199.23	2.82E-04	5.13E-04	2.82E-05	4.37E-05	8.41E-05	4.23E-06	4.25E-05	7.24E-05	5.37E-06	2.41E-05	3.99E-05	1.32E-06
1569	742650.3	4109212.89	2.98E-04	5.44E-04	2.99E-05	4.63E-05	8.91E-05	4.48E-06	4.50E-05	7.67E-05	5.69E-06	2.56E-05	4.23E-05	1.40E-06
1570	742670.47	4109226.54	3.15E-04	5.75E-04	3.16E-05	4.89E-05	9.42E-05	4.73E-06	4.76E-05	8.11E-05	6.01E-06	2.70E-05	4.47E-05	1.48E-06
1571	742690.65	4109240.2	3.32E-04	6.05E-04	3.32E-05	5.15E-05	9.91E-05	4.98E-06	5.00E-05	8.53E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
1572	742710.82	4109253.85	3.48E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.94E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
1573	742731	4109267.51	3.63E-04	6.61E-04	3.63E-05	5.62E-05	1.08E-04	5.44E-06	5.47E-05	9.32E-05	6.91E-06	3.11E-05	5.14E-05	1.70E-06
1574	742751.17	4109281.16	3.76E-04	6.85E-04	3.76E-05	5.83E-05	1.12E-04	5.64E-06	5.67E-05	9.66E-05	7.16E-06	3.22E-05	5.33E-05	1.77E-06
1575	742771.34	4109294.81	3.88E-04	7.06E-04	3.88E-05	6.01E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
1576	742791.52	4109308.47	3.98E-04	7.25E-04	3.98E-05	6.17E-05	1.19E-04	5.97E-06	6.00E-05	1.02E-04	7.58E-06	3.41E-05	5.64E-05	1.87E-06
1577	742811.69	4109322.12	4.06E-04	7.40E-04	4.06E-05	6.30E-05	1.21E-04	6.10E-06	6.13E-05	1.04E-04	7.74E-06	3.48E-05	5.76E-05	1.91E-06
1578	741596.19	4109077.12	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.68E-06	1.60E-05	5.31E-07
1579	741575.55	4109090.38	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.42E-05	1.72E-06	1.73E-05	2.94E-05	2.18E-06	9.82E-06	1.62E-05	5.38E-07
1580	741554.91	4109103.63	1.16E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	2.99E-05	2.22E-06	9.98E-06	1.65E-05	5.47E-07
1581	741534.27	4109116.89	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
1582	741513.64	4109130.15	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.10E-05	2.30E-06	1.03E-05	1.71E-05	5.68E-07
1583	741493	4109143.4	1.23E-04	2.24E-04	1.23E-05	1.91E-05	3.67E-05	1.85E-06	1.85E-05	3.16E-05	2.34E-06	1.05E-05	1.74E-05	5.78E-07
1584	741472.36	4109156.66	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.73E-05	1.88E-06	1.89E-05	3.21E-05	2.38E-06	1.07E-05	1.77E-05	5.87E-07
1585	741512.21	4108904.4	8.42E-05	1.53E-04	8.42E-06	1.31E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.96E-07
1586	741536.33	4108899.95	8.44E-05	1.54E-04	8.45E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.24E-06	1.20E-05	3.97E-07
1587	741560.44	4108895.51	8.48E-05	1.55E-04	8.49E-06	1.32E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
1588	741584.55	4108891.06	8.53E-05	1.55E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
1589	741608.67	4108886.62	8.60E-05	1.57E-04	8.60E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
1590	741632.78	4108882.17	8.66E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.42E-06	1.23E-05	4.07E-07
1591	741656.9	4108877.72	8.74E-05	1.59E-04	8.74E-06	1.35E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.66E-06	7.49E-06	1.24E-05	4.11E-07
1592	741681.01	4108873.28	8.82E-05	1.61E-04	8.83E-06	1.37E-05	2.64E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.56E-06	1.25E-05	4.15E-07
1593	741705.12	4108868.83	8.90E-05	1.62E-04	8.91E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.63E-06	1.26E-05	4.18E-07
1594	741729.24	4108864.39	8.99E-05	1.64E-04	9.00E-06	1.39E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.23E-07
1595	741753.35	4108859.94	9.08E-05	1.66E-04	9.09E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.34E-05	1.73E-06	7.78E-06	1.29E-05	4.27E-07
1596	741777.46	4108855.5	9.18E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
1597	741801.58	4108851.05	9.28E-05	1.69E-04	9.29E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.95E-06	1.32E-05	4.36E-07
1598	741825.69	4108846.61	9.38E-05	1.71E-04	9.39E-06	1.45E-05	2.80E-05	1.41E-06	1.41E-05	2.41E-05	1.79E-06	8.04E-06	1.33E-05	4.41E-07
1599	741849.8	4108842.16	9.48E-05	1.73E-04	9.49E-06	1.47E-05	2.83E-05	1.42E-06	1.43E-05	2.44E-05	1.81E-06	8.12E-06	1.34E-05	4.46E-07
1600	741873.92	4108837.71	9.58E-05	1.75E-04	9.58E-06	1.49E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.83E-06	8.21E-06	1.36E-05	4.50E-07
1601	741898.03	4108833.27	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
1602	741922.15	4108828.82	9.76E-05	1.78E-04	9.77E-06	1.51E-05	2.92E-05	1.47E-06	1.47E-05	2.51E-05	1.86E-06	8.37E-06	1.38E-05	4.59E-07

1603	741946.26	4108824.38	9.85E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
1604	741970.37	4108819.93	9.93E-05	1.81E-04	9.93E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.51E-06	1.41E-05	4.67E-07
1605	741994.49	4108815.49	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.57E-06	1.42E-05	4.70E-07
1606	742018.6	4108811.04	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.62E-06	1.43E-05	4.73E-07
1607	742042.71	4108806.6	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
1608	742066.83	4108802.15	1.01E-04	1.85E-04	1.02E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.77E-07
1609	742090.94	4108797.7	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.53E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
1610	742115.05	4108793.26	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.76E-06	1.45E-05	4.80E-07
1611	742139.17	4108788.81	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.07E-05	1.54E-06	1.55E-05	2.64E-05	1.96E-06	8.80E-06	1.46E-05	4.83E-07
1612	742163.28	4108784.37	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
1613	742187.4	4108779.92	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.11E-05	1.56E-06	1.57E-05	2.68E-05	1.99E-06	8.93E-06	1.48E-05	4.90E-07
1614	742211.51	4108775.48	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.02E-06	1.49E-05	4.95E-07
1615	742235.62	4108771.03	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.00E-07
1616	742259.74	4108766.59	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.22E-05	1.62E-06	1.62E-05	2.77E-05	2.05E-06	9.23E-06	1.53E-05	5.06E-07
1617	742283.85	4108762.14	1.09E-04	1.98E-04	1.09E-05	1.69E-05	3.25E-05	1.63E-06	1.64E-05	2.80E-05	2.08E-06	9.33E-06	1.54E-05	5.12E-07
1618	742328.27	4108771.44	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.71E-06	1.61E-05	5.33E-07
1619	742348.58	4108785.18	1.17E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	3.00E-05	2.22E-06	9.99E-06	1.65E-05	5.48E-07
1620	742368.88	4108798.93	1.19E-04	2.18E-04	1.20E-05	1.85E-05	3.57E-05	1.79E-06	1.80E-05	3.07E-05	2.28E-06	1.02E-05	1.69E-05	5.61E-07
1621	742389.19	4108812.67	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.73E-07
1622	742409.49	4108826.41	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
1623	742429.8	4108840.16	1.26E-04	2.30E-04	1.27E-05	1.96E-05	3.78E-05	1.90E-06	1.91E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.94E-07
1624	742450.11	4108853.9	1.28E-04	2.34E-04	1.29E-05	1.99E-05	3.84E-05	1.93E-06	1.94E-05	3.30E-05	2.45E-06	1.10E-05	1.82E-05	6.04E-07
1625	742470.41	4108867.65	1.31E-04	2.38E-04	1.31E-05	2.02E-05	3.90E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.13E-07
1626	742490.72	4108881.39	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
1627	742511.03	4108895.13	1.35E-04	2.46E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.35E-07
1628	742531.33	4108908.88	1.38E-04	2.51E-04	1.38E-05	2.14E-05	4.12E-05	2.07E-06	2.08E-05	3.55E-05	2.63E-06	1.18E-05	1.96E-05	6.48E-07
1629	742551.64	4108922.62	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.63E-07
1630	742571.94	4108936.36	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
1631	742592.25	4108950.11	1.49E-04	2.71E-04	1.49E-05	2.31E-05	4.45E-05	2.24E-06	2.25E-05	3.83E-05	2.84E-06	1.28E-05	2.11E-05	7.00E-07
1632	742612.56	4108963.85	1.54E-04	2.81E-04	1.54E-05	2.39E-05	4.60E-05	2.31E-06	2.32E-05	3.96E-05	2.93E-06	1.32E-05	2.18E-05	7.24E-07
1633	742632.86	4108977.59	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.11E-05	3.05E-06	1.37E-05	2.27E-05	7.51E-07
1634	742653.17	4108991.34	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.98E-05	2.50E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.36E-05	7.84E-07
1635	742673.47	4109005.08	1.75E-04	3.18E-04	1.75E-05	2.71E-05	5.22E-05	2.62E-06	2.63E-05	4.49E-05	3.33E-06	1.50E-05	2.48E-05	8.21E-07
1636	742693.78	4109018.83	1.83E-04	3.34E-04	1.84E-05	2.85E-05	5.48E-05	2.75E-06	2.77E-05	4.72E-05	3.50E-06	1.57E-05	2.60E-05	8.62E-07
1637	742714.09	4109032.57	1.93E-04	3.52E-04	1.93E-05	2.99E-05	5.77E-05	2.90E-06	2.91E-05	4.96E-05	3.68E-06	1.65E-05	2.74E-05	9.07E-07
1638	742734.39	4109046.31	2.03E-04	3.70E-04	2.03E-05	3.15E-05	6.07E-05	3.05E-06	3.07E-05	5.23E-05	3.87E-06	1.74E-05	2.88E-05	9.55E-07
1639	742754.7	4109060.06	2.14E-04	3.90E-04	2.14E-05	3.32E-05	6.39E-05	3.21E-06	3.22E-05	5.50E-05	4.08E-06	1.83E-05	3.03E-05	1.00E-06
1640	742775	4109073.8	2.24E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.38E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.05E-06
1641	742795.31	4109087.54	2.35E-04	4.28E-04	2.35E-05	3.64E-05	7.02E-05	3.53E-06	3.54E-05	6.04E-05	4.48E-06	2.01E-05	3.33E-05	1.10E-06
1642	742815.62	4109101.29	2.45E-04	4.47E-04	2.45E-05	3.80E-05	7.32E-05	3.68E-06	3.70E-05	6.30E-05	4.67E-06	2.10E-05	3.48E-05	1.15E-06
1643	742835.92	4109115.03	2.55E-04	4.64E-04	2.55E-05	3.95E-05	7.61E-05	3.82E-06	3.84E-05	6.54E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
1644	742856.23	4109128.78	2.63E-04	4.80E-04	2.64E-05	4.08E-05	7.87E-05	3.95E-06	3.97E-05	6.77E-05	5.02E-06	2.26E-05	3.73E-05	1.24E-06
1645	742876.54	4109142.52	2.71E-04	4.94E-04	2.71E-05	4.21E-05	8.11E-05	4.07E-06	4.09E-05	6.97E-05	5.17E-06	2.32E-05	3.85E-05	1.28E-06
1646	742896.84	4109156.26	2.78E-04	5.07E-04	2.78E-05	4.32E-05	8.32E-05	4.18E-06	4.20E-05	7.15E-05	5.30E-06	2.38E-05	3.95E-05	1.31E-06
1647	742917.15	4109170.01	2.84E-04	5.18E-04	2.85E-05	4.41E-05	8.50E-05	4.27E-06	4.29E-05	7.31E-05	5.42E-06	2.44E-05	4.03E-05	1.34E-06
1648	742937.45	4109183.75	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.45E-05	5.53E-06	2.48E-05	4.11E-05	1.36E-06
1649	742957.76	4109197.49	2.95E-04	5.37E-04	2.95E-05	4.57E-05	8.81E-05	4.42E-06	4.44E-05	7.58E-05	5.62E-06	2.53E-05	4.18E-05	1.39E-06
1650	742978.07	4109211.24	2.99E-04	5.44E-04	2.99E-05	4.63E-05	8.93E-05	4.48E-06	4.51E-05	7.68E-05	5.69E-06	2.56E-05	4.24E-05	1.40E-06
1651	741488.1	4108908.84	8.41E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
1652	741467.46	4108922.1	8.53E-05	1.55E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
1653	741446.82	4108935.36	8.67E-05	1.58E-04	8.68E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.08E-07
1654	741426.19	4108948.61	8.82E-05	1.61E-04	8.83E-06	1.37E-05	2.64E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.56E-06	1.25E-05	4.15E-07
1655	741405.55	4108961.87	8.98E-05	1.64E-04	8.99E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.22E-07
1656	741384.91	4108975.13	9.14E-05	1.67E-04	9.15E-06	1.42E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.83E-06	1.30E-05	4.30E-07
1657	741364.27	4108988.38	9.30E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.97E-06	1.32E-05	4.37E-07
1658	741403.64	4108736.21	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
1659	741427.28	4108731.85	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.94E-06	1.69E-05	1.26E-06	5.65E-06	9.34E-06	3.10E-07
1660	741450.91	4108727.5	6.60E-05	1.20E-04	6.61E-06	1.02E-05	1.97E-05	9.91E-07	9.96E-06	1.70E-05	1.26E-06	5.66E-06	9.36E-06	3.10E-07
1661	741474.54	4108723.14	6.62E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.68E-06	9.39E-06	3.11E-07
1662	741498.17	4108718.78	6.65E-05	1.21E-04	6.66E-06	1.03E-05	1.99E-05	9.99E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
1663	741521.81	4108714.43	6.69E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.49E-06	3.15E-07
1664	741545.44	4108710.07	6.74E-05	1.23E-04	6.74E-06	1.05E-05	2.01E-05	1.01E-06	1.02E-05	1.73E-05	1.28E-06	5.77E-06	9.55E-06	3.17E-07
1665	741569.07	4108705.71	6.79E-05	1.24E-04	6.79E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
1666	741592.7	4108701.36	6.85E-05	1.25E-04	6.85E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.87E-06	9.71E-06	3.22E-07
1667	741616.34	4108697	6.91E-05	1.26E-04	6.91E-06	1.07E-05	2.06E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.92E-06	9.80E-06	3.25E-07
1668	741639.97	4108692.64	6.97E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.97E-06	9.88E-06	3.28E-07
1669	741663.6	4108688.29	7.03E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.97E-06	3.31E-07
1670	741687.23	4108683.93	7.10E-05	1.29E-04	7.10E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.82E-05	1.35E-06	6.08E-06	1.01E-05	3.34E-07
1671	741710.87	4108679.57	7.16E-05	1.31E-04	7.17E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.14E-06	1.02E-05	3.37E-07
1672	741734.5	4108675.21	7.22E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
1673	741758.13	4108670.86	7.29E-05	1.33E-04	7.29E-06	1.13E-05	2.18E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.24E-06	1.03E-05	3.42E-07
1674	741781.76	4108666.5	7.35E-05	1.34E-04	7.35E-06	1.14E-05	2.20E-05	1.10E-06	1.11E-05	1.89E-05	1.40E-06	6.30E-06	1.04E-05	3.45E-07
1675	741805.39	4108662.14	7.41E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.35E-06	1.05E-05	3.48E-07

1676	741829.03	4108657.79	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
1677	741852.66	4108653.43	7.54E-05	1.37E-04	7.55E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.46E-06	1.07E-05	3.54E-07
1678	741876.29	4108649.07	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
1679	741899.92	4108644.72	7.68E-05	1.40E-04	7.69E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
1680	741923.56	4108640.36	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
1681	741947.19	4108636	7.81E-05	1.42E-04	7.82E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.67E-07
1682	741970.82	4108631.65	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
1683	741994.45	4108627.29	7.91E-05	1.44E-04	7.92E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
1684	742018.09	4108622.93	7.95E-05	1.45E-04	7.95E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.81E-06	1.13E-05	3.73E-07
1685	742041.72	4108618.58	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
1686	742065.35	4108614.22	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
1687	742088.98	4108609.86	7.99E-05	1.46E-04	7.99E-06	1.24E-05	2.39E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.85E-06	1.13E-05	3.75E-07
1688	742112.62	4108605.51	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
1689	742136.25	4108601.15	8.01E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.86E-06	1.14E-05	3.76E-07
1690	742159.88	4108596.79	8.03E-05	1.46E-04	8.03E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.06E-05	1.53E-06	6.88E-06	1.14E-05	3.77E-07
1691	742183.51	4108592.44	8.06E-05	1.47E-04	8.07E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.07E-05	1.54E-06	6.91E-06	1.14E-05	3.79E-07
1692	742207.15	4108588.08	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
1693	742230.78	4108583.72	8.18E-05	1.49E-04	8.18E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.01E-06	1.16E-05	3.84E-07
1694	742254.41	4108579.37	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.12E-05	1.57E-06	7.08E-06	1.17E-05	3.88E-07
1695	742278.04	4108575.01	8.35E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.93E-07
1696	742301.68	4108570.65	8.45E-05	1.54E-04	8.45E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.24E-06	1.20E-05	3.97E-07
1697	742325.31	4108566.29	8.55E-05	1.56E-04	8.55E-06	1.33E-05	2.55E-05	1.28E-06	1.29E-05	2.20E-05	1.63E-06	7.32E-06	1.21E-05	4.02E-07
1698	742368.84	4108575.41	8.89E-05	1.62E-04	8.89E-06	1.38E-05	2.66E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.62E-06	1.26E-05	4.18E-07
1699	742388.74	4108588.88	9.13E-05	1.66E-04	9.13E-06	1.42E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.82E-06	1.29E-05	4.29E-07
1700	742408.64	4108602.35	9.35E-05	1.70E-04	9.35E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.01E-06	1.33E-05	4.39E-07
1701	742428.54	4108615.82	9.54E-05	1.74E-04	9.55E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.18E-06	1.35E-05	4.49E-07
1702	742448.45	4108629.29	9.71E-05	1.77E-04	9.72E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.50E-05	1.85E-06	8.32E-06	1.38E-05	4.57E-07
1703	742468.35	4108642.75	9.86E-05	1.80E-04	9.87E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.45E-06	1.40E-05	4.63E-07
1704	742488.25	4108656.22	9.99E-05	1.82E-04	9.99E-06	1.55E-05	2.98E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.69E-07
1705	742508.15	4108669.69	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
1706	742528.05	4108683.16	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
1707	742547.95	4108696.63	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
1708	742567.85	4108710.1	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.91E-07
1709	742587.75	4108723.57	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.59E-05	2.72E-05	2.01E-06	9.06E-06	1.50E-05	4.97E-07
1710	742607.65	4108737.04	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.76E-05	2.04E-06	9.19E-06	1.52E-05	5.04E-07
1711	742627.55	4108750.51	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.25E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.33E-06	1.54E-05	5.12E-07
1712	742647.45	4108763.98	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.67E-06	1.67E-05	2.85E-05	2.11E-06	9.51E-06	1.57E-05	5.21E-07
1713	742667.36	4108777.45	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.72E-06	1.61E-05	5.33E-07
1714	742687.26	4108790.92	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.99E-05	2.21E-06	9.96E-06	1.65E-05	5.46E-07
1715	742707.16	4108804.39	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.57E-05	1.80E-06	1.80E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.62E-07
1716	742727.06	4108817.86	1.24E-04	2.25E-04	1.24E-05	1.92E-05	3.69E-05	1.86E-06	1.86E-05	3.18E-05	2.36E-06	1.06E-05	1.75E-05	5.81E-07
1717	742746.96	4108831.33	1.28E-04	2.34E-04	1.28E-05	1.99E-05	3.83E-05	1.92E-06	1.93E-05	3.29E-05	2.44E-06	1.10E-05	1.82E-05	6.02E-07
1718	742766.86	4108844.8	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.98E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.26E-07
1719	742786.76	4108858.27	1.39E-04	2.53E-04	1.39E-05	2.15E-05	4.15E-05	2.08E-06	2.09E-05	3.57E-05	2.65E-06	1.19E-05	1.97E-05	6.53E-07
1720	742806.66	4108871.74	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.82E-07
1721	742826.56	4108885.2	1.51E-04	2.76E-04	1.52E-05	2.35E-05	4.53E-05	2.27E-06	2.28E-05	3.89E-05	2.89E-06	1.30E-05	2.15E-05	7.12E-07
1722	742846.46	4108898.67	1.58E-04	2.88E-04	1.58E-05	2.45E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.24E-05	7.44E-07
1723	742866.36	4108912.14	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.94E-05	2.48E-06	2.49E-05	4.25E-05	3.15E-06	1.42E-05	2.34E-05	7.77E-07
1724	742886.27	4108925.61	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.15E-05	2.59E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.10E-07
1725	742906.17	4108939.08	1.79E-04	3.27E-04	1.79E-05	2.78E-05	5.36E-05	2.69E-06	2.70E-05	4.61E-05	3.42E-06	1.54E-05	2.54E-05	8.43E-07
1726	742926.07	4108952.55	1.86E-04	3.39E-04	1.86E-05	2.88E-05	5.56E-05	2.79E-06	2.81E-05	4.78E-05	3.54E-06	1.59E-05	2.64E-05	8.74E-07
1727	742945.97	4108966.02	1.92E-04	3.50E-04	1.92E-05	2.98E-05	5.74E-05	2.89E-06	2.90E-05	4.94E-05	3.66E-06	1.65E-05	2.73E-05	9.03E-07
1728	742965.87	4108979.49	1.99E-04	3.62E-04	1.99E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.10E-05	3.78E-06	1.70E-05	2.81E-05	9.33E-07
1729	742985.77	4108992.96	2.04E-04	3.72E-04	2.04E-05	3.16E-05	6.10E-05	3.06E-06	3.08E-05	5.25E-05	3.89E-06	1.75E-05	2.89E-05	9.59E-07
1730	743005.67	4109006.43	2.09E-04	3.81E-04	2.09E-05	3.24E-05	6.24E-05	3.13E-06	3.15E-05	5.37E-05	3.98E-06	1.79E-05	2.96E-05	9.82E-07
1731	743025.57	4109019.9	2.13E-04	3.87E-04	2.13E-05	3.30E-05	6.35E-05	3.19E-06	3.21E-05	5.47E-05	4.05E-06	1.82E-05	3.01E-05	9.99E-07
1732	743045.47	4109033.37	2.16E-04	3.94E-04	2.16E-05	3.35E-05	6.45E-05	3.24E-06	3.26E-05	5.55E-05	4.12E-06	1.85E-05	3.06E-05	1.02E-06
1733	743065.37	4109046.84	2.19E-04	4.00E-04	2.19E-05	3.40E-05	6.55E-05	3.29E-06	3.31E-05	5.64E-05	4.18E-06	1.88E-05	3.11E-05	1.03E-06
1734	743085.27	4109060.31	2.22E-04	4.05E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.71E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
1735	743105.18	4109073.78	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
1736	743125.08	4109087.25	2.27E-04	4.13E-04	2.27E-05	3.52E-05	6.78E-05	3.40E-06	3.42E-05	5.83E-05	4.32E-06	1.94E-05	3.22E-05	1.07E-06
1737	743144.98	4109100.72	2.29E-04	4.17E-04	2.29E-05	3.55E-05	6.84E-05	3.44E-06	3.45E-05	5.89E-05	4.36E-06	1.96E-05	3.25E-05	1.08E-06
1738	741380.01	4108740.57	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.89E-07	9.93E-06	1.69E-05	1.26E-06	5.64E-06	9.34E-06	3.10E-07
1739	741359.37	4108753.82	6.67E-05	1.22E-04	6.68E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.72E-06	9.46E-06	3.14E-07
1740	741338.73	4108767.08	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
1741	741318.1	4108780.34	6.88E-05	1.25E-04	6.88E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.75E-06	3.23E-07
1742	741297.46	4108793.59	6.99E-05	1.27E-04	7.00E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.29E-07
1743	741276.82	4108806.85	7.11E-05	1.30E-04	7.12E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.09E-06	1.01E-05	3.34E-07
1744	741256.18	4108820.11	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
1745	741295.71	4108567.91	5.33E-05	9.71E-05	5.33E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.50E-07
1746	741319.5	4108563.52	5.33E-05	9.72E-05	5.34E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.51E-07
1747	741343.28	4108559.14	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
1748	741367.07	4108554.75	5.35E-05	9.75E-05	5.35E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.58E-06	7.59E-06	2.51E-07

1749	741390.86	4108550.36	5.37E-05	9.78E-05	5.37E-06	8.32E-06	1.60E-05	8.05E-07	8.09E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
1750	741414.65	4108545.98	5.39E-05	9.81E-05	5.39E-06	8.35E-06	1.61E-05	8.08E-07	8.12E-06	1.38E-05	1.03E-06	4.61E-06	7.64E-06	2.53E-07
1751	741438.43	4108541.59	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
1752	741462.22	4108537.21	5.44E-05	9.91E-05	5.44E-06	8.44E-06	1.63E-05	8.17E-07	8.21E-06	1.40E-05	1.04E-06	4.66E-06	7.71E-06	2.56E-07
1753	741486.01	4108532.82	5.48E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.77E-06	2.57E-07
1754	741509.79	4108528.44	5.52E-05	1.01E-04	5.52E-06	8.55E-06	1.65E-05	8.28E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.82E-06	2.59E-07
1755	741533.58	4108524.05	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
1756	741557.37	4108519.67	5.61E-05	1.02E-04	5.61E-06	8.70E-06	1.68E-05	8.42E-07	8.46E-06	1.44E-05	1.07E-06	4.80E-06	7.95E-06	2.64E-07
1757	741581.16	4108515.28	5.66E-05	1.03E-04	5.66E-06	8.77E-06	1.69E-05	8.49E-07	8.53E-06	1.45E-05	1.08E-06	4.85E-06	8.02E-06	2.66E-07
1758	741604.94	4108510.9	5.71E-05	1.04E-04	5.71E-06	8.85E-06	1.70E-05	8.56E-07	8.60E-06	1.47E-05	1.09E-06	4.89E-06	8.09E-06	2.68E-07
1759	741628.73	4108506.51	5.76E-05	1.05E-04	5.76E-06	8.93E-06	1.72E-05	8.64E-07	8.68E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.71E-07
1760	741652.52	4108502.13	5.80E-05	1.06E-04	5.81E-06	9.00E-06	1.73E-05	8.71E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.23E-06	2.73E-07
1761	741676.3	4108497.74	5.85E-05	1.07E-04	5.85E-06	9.07E-06	1.75E-05	8.78E-07	8.82E-06	1.50E-05	1.11E-06	5.01E-06	8.30E-06	2.75E-07
1762	741700.09	4108493.36	5.90E-05	1.07E-04	5.90E-06	9.14E-06	1.76E-05	8.85E-07	8.89E-06	1.52E-05	1.12E-06	5.05E-06	8.36E-06	2.77E-07
1763	741723.88	4108488.97	5.94E-05	1.08E-04	5.94E-06	9.21E-06	1.77E-05	8.91E-07	8.96E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
1764	741747.67	4108484.58	5.98E-05	1.09E-04	5.98E-06	9.28E-06	1.79E-05	8.98E-07	9.02E-06	1.54E-05	1.14E-06	5.13E-06	8.48E-06	2.81E-07
1765	741771.45	4108480.2	6.02E-05	1.10E-04	6.03E-06	9.34E-06	1.80E-05	9.04E-07	9.09E-06	1.55E-05	1.15E-06	5.16E-06	8.54E-06	2.83E-07
1766	741795.24	4108475.81	6.07E-05	1.11E-04	6.07E-06	9.41E-06	1.81E-05	9.11E-07	9.15E-06	1.56E-05	1.16E-06	5.20E-06	8.61E-06	2.85E-07
1767	741819.03	4108471.43	6.12E-05	1.11E-04	6.12E-06	9.48E-06	1.83E-05	9.18E-07	9.22E-06	1.57E-05	1.17E-06	5.24E-06	8.67E-06	2.87E-07
1768	741842.81	4108467.04	6.17E-05	1.12E-04	6.17E-06	9.56E-06	1.84E-05	9.25E-07	9.30E-06	1.58E-05	1.17E-06	5.28E-06	8.74E-06	2.90E-07
1769	741866.6	4108462.66	6.22E-05	1.13E-04	6.22E-06	9.64E-06	1.86E-05	9.33E-07	9.38E-06	1.60E-05	1.18E-06	5.33E-06	8.82E-06	2.92E-07
1770	741890.39	4108458.27	6.27E-05	1.14E-04	6.27E-06	9.72E-06	1.87E-05	9.41E-07	9.46E-06	1.61E-05	1.19E-06	5.37E-06	8.89E-06	2.95E-07
1771	741914.17	4108453.89	6.32E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
1772	741937.96	4108449.5	6.37E-05	1.16E-04	6.38E-06	9.89E-06	1.90E-05	9.57E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.04E-06	3.00E-07
1773	741961.75	4108445.12	6.42E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.68E-06	1.65E-05	1.22E-06	5.50E-06	9.10E-06	3.02E-07
1774	741985.54	4108440.73	6.46E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.74E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
1775	742009.32	4108436.35	6.48E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.78E-06	1.67E-05	1.24E-06	5.55E-06	9.19E-06	3.05E-07
1776	742033.11	4108431.96	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.76E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.05E-07
1777	742056.9	4108427.58	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
1778	742080.68	4108423.19	6.51E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.78E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.24E-06	3.06E-07
1779	742104.47	4108418.8	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
1780	742128.26	4108414.42	6.50E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
1781	742152.05	4108410.03	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.05E-07
1782	742175.83	4108405.65	6.50E-05	1.18E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
1783	742199.62	4108401.26	6.51E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
1784	742223.41	4108396.88	6.54E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.81E-07	9.86E-06	1.68E-05	1.25E-06	5.60E-06	9.27E-06	3.07E-07
1785	742247.19	4108392.49	6.57E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.91E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
1786	742270.98	4108388.11	6.63E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.68E-06	9.39E-06	3.11E-07
1787	742294.77	4108383.72	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
1788	742318.56	4108379.34	6.76E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.59E-06	3.18E-07
1789	742342.34	4108374.95	6.84E-05	1.25E-04	6.85E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.86E-06	9.70E-06	3.22E-07
1790	742366.13	4108370.57	6.93E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.94E-06	9.82E-06	3.26E-07
1791	742409.95	4108379.74	7.21E-05	1.31E-04	7.22E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
1792	742429.98	4108393.3	7.41E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.35E-06	1.05E-05	3.48E-07
1793	742450.01	4108406.85	7.59E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.45E-06	6.50E-06	1.08E-05	3.57E-07
1794	742470.04	4108420.41	7.75E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
1795	742490.07	4108433.97	7.90E-05	1.44E-04	7.90E-06	1.22E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.50E-06	6.77E-06	1.12E-05	3.71E-07
1796	742510.1	4108447.53	8.01E-05	1.46E-04	8.02E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
1797	742530.14	4108461.08	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
1798	742550.17	4108474.64	8.19E-05	1.49E-04	8.19E-06	1.27E-05	2.45E-05	1.23E-06	1.23E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
1799	742570.2	4108488.2	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
1800	742590.23	4108501.76	8.31E-05	1.51E-04	8.32E-06	1.29E-05	2.48E-05	1.25E-06	1.25E-05	2.14E-05	1.58E-06	7.12E-06	1.18E-05	3.91E-07
1801	742610.26	4108515.31	8.37E-05	1.52E-04	8.37E-06	1.30E-05	2.50E-05	1.26E-06	1.26E-05	2.15E-05	1.59E-06	7.17E-06	1.19E-05	3.93E-07
1802	742630.29	4108528.87	8.42E-05	1.53E-04	8.43E-06	1.31E-05	2.52E-05	1.26E-06	1.27E-05	2.17E-05	1.61E-06	7.22E-06	1.19E-05	3.96E-07
1803	742650.32	4108542.43	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
1804	742670.35	4108555.99	8.57E-05	1.56E-04	8.58E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.20E-05	1.63E-06	7.35E-06	1.22E-05	4.03E-07
1805	742690.39	4108569.55	8.67E-05	1.58E-04	8.68E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.07E-07
1806	742710.42	4108583.1	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
1807	742730.45	4108596.66	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
1808	742750.48	4108610.22	9.10E-05	1.66E-04	9.10E-06	1.41E-05	2.72E-05	1.37E-06	1.37E-05	2.34E-05	1.73E-06	7.80E-06	1.29E-05	4.28E-07
1809	742770.51	4108623.78	9.30E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.97E-06	1.32E-05	4.37E-07
1810	742790.54	4108637.33	9.53E-05	1.74E-04	9.54E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.17E-06	1.35E-05	4.48E-07
1811	742810.57	4108650.89	9.80E-05	1.79E-04	9.81E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.40E-06	1.39E-05	4.61E-07
1812	742830.6	4108664.45	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
1813	742850.64	4108678.01	1.05E-04	1.91E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
1814	742870.67	4108691.56	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.24E-05	1.63E-06	1.63E-05	2.78E-05	2.06E-06	9.28E-06	1.54E-05	5.09E-07
1815	742890.7	4108705.12	1.12E-04	2.05E-04	1.12E-05	1.74E-05	3.36E-05	1.69E-06	1.69E-05	2.89E-05	2.14E-06	9.63E-06	1.59E-05	5.28E-07
1816	742910.73	4108718.68	1.17E-04	2.13E-04	1.17E-05	1.81E-05	3.49E-05	1.75E-06	1.76E-05	3.00E-05	2.23E-06	1.00E-05	1.66E-05	5.49E-07
1817	742930.76	4108732.24	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
1818	742950.79	4108745.79	1.26E-04	2.30E-04	1.26E-05	1.96E-05	3.77E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.93E-07
1819	742970.82	4108759.35	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.92E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
1820	742990.85	4108772.91	1.36E-04	2.48E-04	1.36E-05	2.11E-05	4.07E-05	2.04E-06	2.05E-05	3.50E-05	2.59E-06	1.17E-05	1.93E-05	6.40E-07
1821	743010.89	4108786.47	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07

1822	743030.92	4108800.02	1.46E-04	2.66E-04	1.46E-05	2.27E-05	4.37E-05	2.19E-06	2.20E-05	3.76E-05	2.79E-06	1.25E-05	2.07E-05	6.87E-07
1823	743050.95	4108813.58	1.51E-04	2.75E-04	1.51E-05	2.34E-05	4.51E-05	2.26E-06	2.28E-05	3.88E-05	2.88E-06	1.29E-05	2.14E-05	7.09E-07
1824	743070.98	4108827.14	1.55E-04	2.83E-04	1.55E-05	2.41E-05	4.64E-05	2.33E-06	2.34E-05	3.99E-05	2.96E-06	1.33E-05	2.20E-05	7.30E-07
1825	743091.01	4108840.7	1.59E-04	2.90E-04	1.59E-05	2.47E-05	4.76E-05	2.39E-06	2.40E-05	4.09E-05	3.03E-06	1.36E-05	2.26E-05	7.48E-07
1826	743111.04	4108854.26	1.63E-04	2.97E-04	1.63E-05	2.52E-05	4.86E-05	2.44E-06	2.45E-05	4.18E-05	3.10E-06	1.39E-05	2.31E-05	7.65E-07
1827	743131.07	4108867.81	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
1828	743151.1	4108881.37	1.69E-04	3.07E-04	1.69E-05	2.61E-05	5.04E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.92E-07
1829	743171.13	4108894.93	1.71E-04	3.12E-04	1.71E-05	2.65E-05	5.11E-05	2.57E-06	2.58E-05	4.40E-05	3.26E-06	1.47E-05	2.43E-05	8.04E-07
1830	743191.17	4108908.49	1.73E-04	3.16E-04	1.73E-05	2.69E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.46E-05	8.14E-07
1831	743211.2	4108922.04	1.75E-04	3.19E-04	1.75E-05	2.71E-05	5.23E-05	2.63E-06	2.64E-05	4.50E-05	3.34E-06	1.50E-05	2.48E-05	8.23E-07
1832	743231.23	4108935.6	1.77E-04	3.22E-04	1.77E-05	2.74E-05	5.28E-05	2.65E-06	2.67E-05	4.54E-05	3.37E-06	1.51E-05	2.51E-05	8.31E-07
1833	743251.26	4108949.16	1.79E-04	3.25E-04	1.79E-05	2.77E-05	5.33E-05	2.68E-06	2.69E-05	4.59E-05	3.40E-06	1.53E-05	2.53E-05	8.39E-07
1834	743271.29	4108962.72	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.38E-05	2.70E-06	2.72E-05	4.63E-05	3.43E-06	1.54E-05	2.56E-05	8.47E-07
1835	743291.32	4108976.27	1.82E-04	3.31E-04	1.82E-05	2.82E-05	5.43E-05	2.73E-06	2.74E-05	4.68E-05	3.47E-06	1.56E-05	2.58E-05	8.55E-07
1836	743311.35	4108989.83	1.83E-04	3.34E-04	1.84E-05	2.85E-05	5.48E-05	2.75E-06	2.77E-05	4.72E-05	3.50E-06	1.57E-05	2.60E-05	8.62E-07
1837	741271.92	4108572.29	5.33E-05	9.72E-05	5.34E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.51E-07
1838	741251.28	4108585.55	5.40E-05	9.83E-05	5.40E-06	8.37E-06	1.61E-05	8.10E-07	8.14E-06	1.39E-05	1.03E-06	4.62E-06	7.65E-06	2.54E-07
1839	741230.65	4108598.8	5.46E-05	9.96E-05	5.47E-06	8.47E-06	1.63E-05	8.20E-07	8.24E-06	1.40E-05	1.04E-06	4.68E-06	7.75E-06	2.57E-07
1840	741210.01	4108612.06	5.54E-05	1.01E-04	5.55E-06	8.60E-06	1.66E-05	8.32E-07	8.36E-06	1.42E-05	1.06E-06	4.75E-06	7.86E-06	2.60E-07
1841	741189.37	4108625.32	5.63E-05	1.03E-04	5.63E-06	8.73E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.82E-06	7.98E-06	2.65E-07
1842	741168.73	4108638.57	5.72E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.12E-06	2.69E-07
1843	741148.09	4108651.83	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.74E-07	8.79E-06	1.50E-05	1.11E-06	4.99E-06	8.26E-06	2.74E-07
1844	741079.75	4108231.31	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.62E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.31E-06	1.76E-07
1845	741103.75	4108226.89	3.75E-05	6.83E-05	3.75E-06	5.81E-06	1.12E-05	5.62E-07	5.65E-06	9.63E-06	7.14E-07	3.21E-06	5.31E-06	1.76E-07
1846	741127.75	4108222.46	3.76E-05	6.84E-05	3.76E-06	5.83E-06	1.12E-05	5.64E-07	5.66E-06	9.66E-06	7.16E-07	3.22E-06	5.33E-06	1.77E-07
1847	741151.75	4108218.04	3.77E-05	6.87E-05	3.77E-06	5.84E-06	1.13E-05	5.65E-07	5.68E-06	9.68E-06	7.18E-07	3.23E-06	5.34E-06	1.77E-07
1848	741175.76	4108213.61	3.78E-05	6.89E-05	3.78E-06	5.86E-06	1.13E-05	5.67E-07	5.70E-06	9.72E-06	7.20E-07	3.24E-06	5.36E-06	1.78E-07
1849	741199.76	4108209.19	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.75E-06	7.23E-07	3.25E-06	5.38E-06	1.78E-07
1850	741223.76	4108204.76	3.81E-05	6.93E-05	3.81E-06	5.90E-06	1.14E-05	5.71E-07	5.74E-06	9.78E-06	7.25E-07	3.26E-06	5.40E-06	1.79E-07
1851	741247.76	4108200.34	3.82E-05	6.96E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.76E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
1852	741271.76	4108195.91	3.83E-05	6.98E-05	3.83E-06	5.94E-06	1.14E-05	5.75E-07	5.78E-06	9.85E-06	7.30E-07	3.28E-06	5.43E-06	1.80E-07
1853	741295.77	4108191.49	3.84E-05	7.00E-05	3.85E-06	5.96E-06	1.15E-05	5.77E-07	5.80E-06	9.88E-06	7.32E-07	3.29E-06	5.45E-06	1.81E-07
1854	741319.77	4108187.06	3.86E-05	7.03E-05	3.86E-06	5.98E-06	1.15E-05	5.79E-07	5.82E-06	9.91E-06	7.35E-07	3.30E-06	5.47E-06	1.81E-07
1855	741343.77	4108182.64	3.87E-05	7.06E-05	3.87E-06	6.00E-06	1.16E-05	5.81E-07	5.84E-06	9.95E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
1856	741367.77	4108178.21	3.89E-05	7.09E-05	3.89E-06	6.03E-06	1.16E-05	5.84E-07	5.86E-06	1.00E-05	7.41E-07	3.33E-06	5.51E-06	1.83E-07
1857	741391.77	4108173.79	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
1858	741415.78	4108169.36	3.93E-05	7.17E-05	3.93E-06	6.10E-06	1.17E-05	5.90E-07	5.93E-06	1.01E-05	7.49E-07	3.37E-06	5.58E-06	1.85E-07
1859	741439.78	4108164.94	3.96E-05	7.21E-05	3.96E-06	6.14E-06	1.18E-05	5.94E-07	5.97E-06	1.02E-05	7.54E-07	3.39E-06	5.61E-06	1.86E-07
1860	741463.78	4108160.51	3.99E-05	7.27E-05	3.99E-06	6.18E-06	1.19E-05	5.99E-07	6.01E-06	1.03E-05	7.60E-07	3.42E-06	5.65E-06	1.87E-07
1861	741487.78	4108156.09	4.02E-05	7.33E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
1862	741511.79	4108151.67	4.05E-05	7.39E-05	4.06E-06	6.29E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.75E-06	1.91E-07
1863	741535.79	4108147.24	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.16E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
1864	741559.79	4108142.82	4.12E-05	7.51E-05	4.13E-06	6.39E-06	1.23E-05	6.19E-07	6.22E-06	1.06E-05	7.86E-07	3.53E-06	5.85E-06	1.94E-07
1865	741583.79	4108138.39	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
1866	741607.79	4108133.97	4.19E-05	7.63E-05	4.19E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.98E-07	3.59E-06	5.94E-06	1.97E-07
1867	741631.8	4108129.54	4.22E-05	7.69E-05	4.22E-06	6.54E-06	1.26E-05	6.33E-07	6.36E-06	1.08E-05	8.04E-07	3.62E-06	5.98E-06	1.98E-07
1868	741655.8	4108125.12	4.25E-05	7.74E-05	4.25E-06	6.59E-06	1.27E-05	6.37E-07	6.40E-06	1.09E-05	8.09E-07	3.64E-06	6.02E-06	2.00E-07
1869	741679.8	4108120.69	4.27E-05	7.79E-05	4.28E-06	6.63E-06	1.28E-05	6.41E-07	6.44E-06	1.10E-05	8.14E-07	3.66E-06	6.06E-06	2.01E-07
1870	741703.8	4108116.27	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
1871	741727.8	4108111.84	4.32E-05	7.87E-05	4.32E-06	6.70E-06	1.29E-05	6.48E-07	6.51E-06	1.11E-05	8.23E-07	3.70E-06	6.12E-06	2.03E-07
1872	741751.81	4108107.42	4.34E-05	7.91E-05	4.34E-06	6.73E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.27E-07	3.72E-06	6.15E-06	2.04E-07
1873	741775.81	4108102.99	4.36E-05	7.95E-05	4.37E-06	6.77E-06	1.30E-05	6.55E-07	6.58E-06	1.12E-05	8.32E-07	3.74E-06	6.19E-06	2.05E-07
1874	741799.81	4108098.57	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.37E-07	3.76E-06	6.22E-06	2.06E-07
1875	741823.81	4108094.14	4.42E-05	8.05E-05	4.42E-06	6.85E-06	1.32E-05	6.63E-07	6.66E-06	1.14E-05	8.42E-07	3.79E-06	6.26E-06	2.08E-07
1876	741847.82	4108089.72	4.45E-05	8.10E-05	4.45E-06	6.90E-06	1.33E-05	6.67E-07	6.71E-06	1.14E-05	8.47E-07	3.81E-06	6.30E-06	2.09E-07
1877	741871.82	4108085.29	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
1878	741895.82	4108080.87	4.51E-05	8.22E-05	4.51E-06	6.99E-06	1.35E-05	6.77E-07	6.80E-06	1.16E-05	8.59E-07	3.86E-06	6.39E-06	2.12E-07
1879	741919.82	4108076.44	4.54E-05	8.28E-05	4.54E-06	7.04E-06	1.36E-05	6.82E-07	6.85E-06	1.17E-05	8.65E-07	3.89E-06	6.44E-06	2.13E-07
1880	741943.82	4108072.02	4.57E-05	8.33E-05	4.58E-06	7.09E-06	1.37E-05	6.86E-07	6.90E-06	1.18E-05	8.71E-07	3.92E-06	6.48E-06	2.15E-07
1881	741967.83	4108067.59	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
1882	741991.83	4108063.17	4.62E-05	8.43E-05	4.63E-06	7.17E-06	1.38E-05	6.94E-07	6.97E-06	1.19E-05	8.81E-07	3.96E-06	6.56E-06	2.17E-07
1883	742015.83	4108058.74	4.64E-05	8.46E-05	4.65E-06	7.20E-06	1.39E-05	6.97E-07	7.00E-06	1.19E-05	8.85E-07	3.98E-06	6.58E-06	2.18E-07
1884	742039.83	4108054.32	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
1885	742063.83	4108049.89	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
1886	742087.84	4108045.47	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
1887	742111.84	4108041.04	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
1888	742135.84	4108036.62	4.64E-05	8.46E-05	4.65E-06	7.20E-06	1.39E-05	6.97E-07	7.00E-06	1.19E-05	8.85E-07	3.98E-06	6.58E-06	2.18E-07
1889	742159.84	4108032.19	4.63E-05	8.44E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.82E-07	3.97E-06	6.56E-06	2.18E-07
1890	742183.85	4108027.77	4.61E-05	8.41E-05	4.62E-06	7.15E-06	1.38E-05	6.92E-07	6.96E-06	1.19E-05	8.79E-07	3.95E-06	6.54E-06	2.17E-07
1891	742207.85	4108023.34	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.76E-07	3.94E-06	6.52E-06	2.16E-07
1892	742231.85	4108018.92	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
1893	742255.85	4108014.49	4.58E-05	8.35E-05	4.59E-06	7.11E-06	1.37E-05	6.88E-07	6.91E-06	1.18E-05	8.74E-07	3.93E-06	6.50E-06	2.15E-07
1894	742279.85	4108010.07	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.74E-07	3.93E-06	6.51E-06	2.16E-07

1895	742303.86	4108005.64	4.60E-05	8.38E-05	4.60E-06	7.14E-06	1.37E-05	6.91E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
1896	742327.86	4108001.22	4.62E-05	8.43E-05	4.63E-06	7.17E-06	1.38E-05	6.94E-07	6.97E-06	1.19E-05	8.81E-07	3.96E-06	6.56E-06	2.17E-07
1897	742351.86	4107996.79	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	6.99E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
1898	742375.86	4107992.37	4.70E-05	8.57E-05	4.71E-06	7.29E-06	1.40E-05	7.06E-07	7.09E-06	1.21E-05	8.96E-07	4.03E-06	6.67E-06	2.21E-07
1899	742399.87	4107987.94	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.17E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
1900	742423.87	4107983.52	4.82E-05	8.78E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.27E-06	1.24E-05	9.18E-07	4.13E-06	6.83E-06	2.26E-07
1901	742447.87	4107979.09	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
1902	742492.08	4107988.35	5.09E-05	9.28E-05	5.10E-06	7.90E-06	1.52E-05	7.65E-07	7.68E-06	1.31E-05	9.71E-07	4.36E-06	7.22E-06	2.39E-07
1903	742512.3	4108002.03	5.23E-05	9.53E-05	5.23E-06	8.11E-06	1.56E-05	7.85E-07	7.89E-06	1.34E-05	9.97E-07	4.48E-06	7.42E-06	2.46E-07
1904	742532.51	4108015.71	5.36E-05	9.77E-05	5.37E-06	8.32E-06	1.60E-05	8.05E-07	8.09E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
1905	742552.72	4108029.39	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.28E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
1906	742572.93	4108043.07	5.60E-05	1.02E-04	5.60E-06	8.68E-06	1.67E-05	8.40E-07	8.44E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
1907	742593.15	4108056.75	5.69E-05	1.04E-04	5.70E-06	8.83E-06	1.70E-05	8.54E-07	8.58E-06	1.46E-05	1.08E-06	4.88E-06	8.07E-06	2.68E-07
1908	742613.36	4108070.43	5.77E-05	1.05E-04	5.77E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.94E-06	8.18E-06	2.71E-07
1909	742633.57	4108084.11	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
1910	742653.78	4108097.79	5.87E-05	1.07E-04	5.88E-06	9.11E-06	1.75E-05	8.82E-07	8.86E-06	1.51E-05	1.12E-06	5.03E-06	8.33E-06	2.76E-07
1911	742673.99	4108111.47	5.90E-05	1.08E-04	5.90E-06	9.15E-06	1.76E-05	8.86E-07	8.90E-06	1.52E-05	1.12E-06	5.06E-06	8.37E-06	2.77E-07
1912	742694.21	4108125.15	5.92E-05	1.08E-04	5.92E-06	9.17E-06	1.77E-05	8.88E-07	8.92E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
1913	742714.42	4108138.83	5.92E-05	1.08E-04	5.93E-06	9.19E-06	1.77E-05	8.89E-07	8.93E-06	1.52E-05	1.13E-06	5.08E-06	8.40E-06	2.78E-07
1914	742734.63	4108152.51	5.93E-05	1.08E-04	5.93E-06	9.20E-06	1.77E-05	8.90E-07	8.94E-06	1.52E-05	1.13E-06	5.08E-06	8.41E-06	2.79E-07
1915	742754.84	4108166.19	5.94E-05	1.08E-04	5.94E-06	9.21E-06	1.77E-05	8.91E-07	8.95E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
1916	742775.06	4108179.87	5.95E-05	1.08E-04	5.95E-06	9.22E-06	1.78E-05	8.93E-07	8.97E-06	1.53E-05	1.13E-06	5.10E-06	8.43E-06	2.80E-07
1917	742795.27	4108193.55	5.97E-05	1.09E-04	5.97E-06	9.25E-06	1.78E-05	8.96E-07	9.00E-06	1.53E-05	1.14E-06	5.11E-06	8.46E-06	2.80E-07
1918	742815.48	4108207.23	6.01E-05	1.09E-04	6.01E-06	9.31E-06	1.79E-05	9.01E-07	9.06E-06	1.54E-05	1.14E-06	5.15E-06	8.52E-06	2.82E-07
1919	742835.69	4108220.91	6.05E-05	1.10E-04	6.06E-06	9.39E-06	1.81E-05	9.09E-07	9.13E-06	1.56E-05	1.15E-06	5.19E-06	8.58E-06	2.84E-07
1920	742855.9	4108234.59	6.12E-05	1.11E-04	6.12E-06	9.48E-06	1.83E-05	9.18E-07	9.22E-06	1.57E-05	1.17E-06	5.24E-06	8.67E-06	2.87E-07
1921	742876.12	4108248.27	6.19E-05	1.13E-04	6.20E-06	9.60E-06	1.85E-05	9.29E-07	9.34E-06	1.59E-05	1.18E-06	5.31E-06	8.78E-06	2.91E-07
1922	742896.33	4108261.95	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
1923	742916.54	4108275.63	6.38E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
1924	742936.75	4108289.31	6.50E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
1925	742956.97	4108302.99	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.69E-06	9.41E-06	3.12E-07
1926	742977.18	4108316.67	6.78E-05	1.24E-04	6.79E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.62E-06	3.19E-07
1927	742997.39	4108330.35	6.95E-05	1.27E-04	6.95E-06	1.08E-05	2.07E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.95E-06	9.85E-06	3.26E-07
1928	743017.6	4108344.03	7.13E-05	1.30E-04	7.13E-06	1.10E-05	2.13E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
1929	743037.82	4108357.71	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
1930	743058.03	4108371.39	7.52E-05	1.37E-04	7.53E-06	1.17E-05	2.25E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.45E-06	1.07E-05	3.54E-07
1931	743078.24	4108385.07	7.74E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.63E-06	1.10E-05	3.64E-07
1932	743098.45	4108398.75	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
1933	743118.66	4108412.43	8.22E-05	1.50E-04	8.22E-06	1.27E-05	2.46E-05	1.23E-06	1.24E-05	2.11E-05	1.57E-06	7.04E-06	1.17E-05	3.86E-07
1934	743138.88	4108426.11	8.47E-05	1.54E-04	8.48E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.26E-06	1.20E-05	3.98E-07
1935	743159.09	4108439.79	8.74E-05	1.59E-04	8.74E-06	1.35E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.66E-06	7.49E-06	1.24E-05	4.11E-07
1936	743179.3	4108453.47	9.01E-05	1.64E-04	9.02E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.72E-06	1.28E-05	4.24E-07
1937	743199.51	4108467.15	9.29E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.96E-06	1.32E-05	4.37E-07
1938	743219.73	4108480.83	9.57E-05	1.74E-04	9.58E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
1939	743239.94	4108494.51	9.85E-05	1.80E-04	9.86E-06	1.53E-05	2.94E-05	1.48E-06	1.49E-05	2.53E-05	1.88E-06	8.44E-06	1.40E-05	4.63E-07
1940	743260.15	4108508.19	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.68E-06	1.44E-05	4.76E-07
1941	743280.36	4108521.87	1.04E-04	1.90E-04	1.04E-05	1.61E-05	3.11E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.91E-06	1.47E-05	4.89E-07
1942	743300.58	4108535.55	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.14E-06	1.51E-05	5.01E-07
1943	743320.79	4108549.23	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.26E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.34E-06	1.55E-05	5.12E-07
1944	743341	4108562.91	1.11E-04	2.03E-04	1.11E-05	1.73E-05	3.32E-05	1.67E-06	1.68E-05	2.86E-05	2.12E-06	9.53E-06	1.58E-05	5.23E-07
1945	743361.21	4108576.59	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.70E-06	1.61E-05	5.32E-07
1946	743381.42	4108590.27	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.73E-06	1.73E-05	2.96E-05	2.19E-06	9.85E-06	1.63E-05	5.40E-07
1947	743401.64	4108603.95	1.16E-04	2.12E-04	1.17E-05	1.81E-05	3.48E-05	1.75E-06	1.76E-05	2.99E-05	2.22E-06	9.98E-06	1.65E-05	5.47E-07
1948	743421.85	4108617.63	1.18E-04	2.14E-04	1.18E-05	1.82E-05	3.51E-05	1.77E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.67E-05	5.53E-07
1949	743442.06	4108631.32	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
1950	743462.27	4108645	1.20E-04	2.18E-04	1.20E-05	1.85E-05	3.57E-05	1.79E-06	1.80E-05	3.07E-05	2.28E-06	1.02E-05	1.70E-05	5.62E-07
1951	743482.49	4108658.68	1.20E-04	2.19E-04	1.20E-05	1.87E-05	3.60E-05	1.81E-06	1.82E-05	3.09E-05	2.29E-06	1.03E-05	1.71E-05	5.66E-07
1952	743502.7	4108672.36	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.62E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
1953	743522.91	4108686.04	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
1954	743543.12	4108699.72	1.23E-04	2.24E-04	1.23E-05	1.91E-05	3.67E-05	1.85E-06	1.85E-05	3.16E-05	2.34E-06	1.05E-05	1.74E-05	5.78E-07
1955	743563.33	4108713.4	1.24E-04	2.26E-04	1.24E-05	1.92E-05	3.70E-05	1.86E-06	1.87E-05	3.19E-05	2.36E-06	1.06E-05	1.76E-05	5.83E-07
1956	743583.55	4108727.08	1.25E-04	2.28E-04	1.25E-05	1.94E-05	3.74E-05	1.88E-06	1.89E-05	3.22E-05	2.38E-06	1.07E-05	1.77E-05	5.88E-07
1957	743603.76	4108740.76	1.26E-04	2.30E-04	1.26E-05	1.96E-05	3.77E-05	1.90E-06	1.90E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.94E-07
1958	743623.97	4108754.44	1.27E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	5.99E-07
1959	743644.18	4108768.12	1.28E-04	2.34E-04	1.29E-05	1.99E-05	3.84E-05	1.93E-06	1.94E-05	3.30E-05	2.45E-06	1.10E-05	1.82E-05	6.04E-07
1960	741055.74	4108235.74	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.30E-06	1.76E-07
1961	741035.11	4108249	3.78E-05	6.88E-05	3.78E-06	5.85E-06	1.13E-05	5.67E-07	5.69E-06	9.70E-06	7.19E-07	3.23E-06	5.35E-06	1.77E-07
1962	741014.47	4108262.25	3.82E-05	6.96E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.76E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
1963	740993.83	4108275.51	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.80E-07	5.83E-06	9.94E-06	7.37E-07	3.31E-06	5.48E-06	1.82E-07
1964	740973.19	4108288.77	3.93E-05	7.15E-05	3.93E-06	6.09E-06	1.17E-05	5.89E-07	5.92E-06	1.01E-05	7.48E-07	3.36E-06	5.57E-06	1.84E-07
1965	740952.55	4108302.02	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.60E-07	3.42E-06	5.66E-06	1.88E-07
1966	740931.91	4108315.28	4.06E-05	7.40E-05	4.06E-06	6.30E-06	1.21E-05	6.10E-07	6.12E-06	1.04E-05	7.74E-07	3.48E-06	5.76E-06	1.91E-07
1967	740863.38	4107894.8	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07

1968	740887.18	4107890.41	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.37E-06	4.20E-07	4.22E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
1969	740910.99	4107886.02	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
1970	740934.8	4107881.63	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.43E-06	4.23E-07	4.25E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
1971	740958.61	4107877.24	2.83E-05	5.16E-05	2.84E-06	4.40E-06	8.47E-06	4.25E-07	4.27E-06	7.29E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
1972	740982.42	4107872.85	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.28E-07	4.30E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
1973	741006.23	4107868.46	2.86E-05	5.22E-05	2.87E-06	4.44E-06	8.56E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
1974	741030.04	4107864.07	2.88E-05	5.24E-05	2.88E-06	4.46E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.48E-07	2.47E-06	4.08E-06	1.35E-07
1975	741053.85	4107859.68	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
1976	741077.66	4107855.29	2.90E-05	5.29E-05	2.90E-06	4.50E-06	8.67E-06	4.36E-07	4.38E-06	7.46E-06	5.53E-07	2.49E-06	4.11E-06	1.36E-07
1977	741101.47	4107850.9	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.70E-06	4.37E-07	4.39E-06	7.48E-06	5.55E-07	2.49E-06	4.13E-06	1.37E-07
1978	741125.28	4107846.51	2.92E-05	5.32E-05	2.92E-06	4.52E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
1979	741149.09	4107842.13	2.92E-05	5.33E-05	2.93E-06	4.53E-06	8.73E-06	4.39E-07	4.41E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
1980	741172.89	4107837.74	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
1981	741196.7	4107833.35	2.93E-05	5.34E-05	2.93E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.53E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07
1982	741220.51	4107828.96	2.94E-05	5.35E-05	2.94E-06	4.55E-06	8.77E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.16E-06	1.38E-07
1983	741244.32	4107824.57	2.94E-05	5.36E-05	2.95E-06	4.56E-06	8.79E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
1984	741268.13	4107820.18	2.95E-05	5.38E-05	2.95E-06	4.57E-06	8.81E-06	4.43E-07	4.45E-06	7.58E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
1985	741291.94	4107815.79	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
1986	741315.75	4107811.4	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.88E-06	4.46E-07	4.48E-06	7.64E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
1987	741339.56	4107807.01	2.99E-05	5.45E-05	2.99E-06	4.64E-06	8.93E-06	4.49E-07	4.51E-06	7.68E-06	5.70E-07	2.56E-06	4.24E-06	1.40E-07
1988	741363.37	4107802.62	3.01E-05	5.48E-05	3.01E-06	4.67E-06	8.99E-06	4.52E-07	4.54E-06	7.74E-06	5.73E-07	2.58E-06	4.27E-06	1.41E-07
1989	741387.18	4107798.23	3.03E-05	5.52E-05	3.03E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.79E-06	5.78E-07	2.60E-06	4.30E-06	1.42E-07
1990	741410.99	4107793.84	3.06E-05	5.57E-05	3.06E-06	4.74E-06	9.13E-06	4.59E-07	4.61E-06	7.86E-06	5.83E-07	2.62E-06	4.33E-06	1.44E-07
1991	741434.8	4107789.45	3.08E-05	5.62E-05	3.09E-06	4.78E-06	9.21E-06	4.63E-07	4.65E-06	7.93E-06	5.88E-07	2.64E-06	4.37E-06	1.45E-07
1992	741458.6	4107785.06	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
1993	741482.41	4107780.67	3.14E-05	5.72E-05	3.14E-06	4.87E-06	9.39E-06	4.72E-07	4.74E-06	8.08E-06	5.99E-07	2.69E-06	4.45E-06	1.48E-07
1994	741506.22	4107776.28	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.47E-06	4.76E-07	4.78E-06	8.15E-06	6.04E-07	2.72E-06	4.50E-06	1.49E-07
1995	741530.03	4107771.9	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
1996	741553.84	4107767.51	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.85E-06	8.28E-06	6.14E-07	2.76E-06	4.56E-06	1.51E-07
1997	741577.65	4107763.12	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.68E-06	4.87E-07	4.89E-06	8.33E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
1998	741601.46	4107758.73	3.26E-05	5.94E-05	3.26E-06	5.05E-06	9.74E-06	4.89E-07	4.92E-06	8.38E-06	6.21E-07	2.79E-06	4.62E-06	1.53E-07
1999	741625.27	4107754.34	3.28E-05	5.97E-05	3.28E-06	5.08E-06	9.78E-06	4.92E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.64E-06	1.54E-07
2000	741649.08	4107749.95	3.29E-05	5.99E-05	3.29E-06	5.10E-06	9.82E-06	4.94E-07	4.96E-06	8.45E-06	6.27E-07	2.82E-06	4.66E-06	1.55E-07
2001	741672.89	4107745.56	3.30E-05	6.01E-05	3.30E-06	5.12E-06	9.85E-06	4.95E-07	4.97E-06	8.48E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
2002	741696.7	4107741.17	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.88E-06	4.97E-07	4.99E-06	8.51E-06	6.30E-07	2.84E-06	4.69E-06	1.55E-07
2003	741720.51	4107736.78	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.71E-06	1.56E-07
2004	741744.31	4107732.39	3.33E-05	6.06E-05	3.33E-06	5.16E-06	9.94E-06	4.99E-07	5.02E-06	8.55E-06	6.34E-07	2.85E-06	4.72E-06	1.56E-07
2005	741768.12	4107728	3.34E-05	6.09E-05	3.34E-06	5.18E-06	9.98E-06	5.01E-07	5.04E-06	8.59E-06	6.36E-07	2.86E-06	4.74E-06	1.57E-07
2006	741791.93	4107723.61	3.35E-05	6.11E-05	3.36E-06	5.20E-06	1.00E-05	5.03E-07	5.06E-06	8.62E-06	6.39E-07	2.87E-06	4.75E-06	1.58E-07
2007	741815.74	4107719.22	3.37E-05	6.14E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.66E-06	6.42E-07	2.89E-06	4.77E-06	1.58E-07
2008	741839.55	4107714.83	3.39E-05	6.17E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.11E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
2009	741863.36	4107710.44	3.41E-05	6.21E-05	3.41E-06	5.28E-06	1.02E-05	5.11E-07	5.14E-06	8.75E-06	6.49E-07	2.92E-06	4.83E-06	1.60E-07
2010	741887.17	4107706.05	3.43E-05	6.24E-05	3.43E-06	5.31E-06	1.02E-05	5.14E-07	5.17E-06	8.81E-06	6.53E-07	2.94E-06	4.86E-06	1.61E-07
2011	741910.98	4107701.67	3.45E-05	6.28E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.20E-06	8.87E-06	6.57E-07	2.96E-06	4.89E-06	1.62E-07
2012	741934.79	4107697.28	3.47E-05	6.33E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.92E-06	1.63E-07
2013	741958.6	4107692.89	3.49E-05	6.37E-05	3.50E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
2014	741982.41	4107688.5	3.52E-05	6.41E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.04E-06	6.70E-07	3.01E-06	4.99E-06	1.65E-07
2015	742006.21	4107684.11	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2016	742030.02	4107679.72	3.55E-05	6.47E-05	3.55E-06	5.50E-06	1.06E-05	5.33E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
2017	742053.83	4107675.33	3.56E-05	6.48E-05	3.56E-06	5.52E-06	1.06E-05	5.34E-07	5.37E-06	9.15E-06	6.78E-07	3.05E-06	5.04E-06	1.67E-07
2018	742077.64	4107670.94	3.56E-05	6.49E-05	3.56E-06	5.52E-06	1.06E-05	5.35E-07	5.37E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.67E-07
2019	742101.45	4107666.55	3.56E-05	6.49E-05	3.57E-06	5.53E-06	1.06E-05	5.35E-07	5.37E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.67E-07
2020	742125.26	4107662.16	3.56E-05	6.48E-05	3.56E-06	5.52E-06	1.06E-05	5.34E-07	5.37E-06	9.15E-06	6.78E-07	3.05E-06	5.04E-06	1.67E-07
2021	742149.07	4107657.77	3.55E-05	6.46E-05	3.55E-06	5.50E-06	1.06E-05	5.32E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
2022	742172.88	4107653.38	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.30E-07	5.33E-06	9.08E-06	6.73E-07	3.03E-06	5.01E-06	1.66E-07
2023	742196.69	4107648.99	3.52E-05	6.41E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.04E-06	6.70E-07	3.01E-06	4.99E-06	1.65E-07
2024	742220.5	4107644.6	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.25E-07	5.28E-06	8.99E-06	6.67E-07	3.00E-06	4.96E-06	1.64E-07
2025	742244.31	4107640.21	3.48E-05	6.34E-05	3.48E-06	5.40E-06	1.04E-05	5.22E-07	5.25E-06	8.95E-06	6.63E-07	2.98E-06	4.94E-06	1.64E-07
2026	742268.12	4107635.82	3.47E-05	6.32E-05	3.47E-06	5.37E-06	1.04E-05	5.20E-07	5.23E-06	8.91E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
2027	742291.92	4107631.44	3.45E-05	6.29E-05	3.46E-06	5.36E-06	1.03E-05	5.18E-07	5.21E-06	8.88E-06	6.58E-07	2.96E-06	4.90E-06	1.62E-07
2028	742315.73	4107627.05	3.45E-05	6.28E-05	3.45E-06	5.34E-06	1.03E-05	5.17E-07	5.20E-06	8.86E-06	6.57E-07	2.95E-06	4.89E-06	1.62E-07
2029	742339.54	4107622.66	3.44E-05	6.27E-05	3.45E-06	5.34E-06	1.03E-05	5.17E-07	5.19E-06	8.85E-06	6.56E-07	2.95E-06	4.88E-06	1.62E-07
2030	742363.35	4107618.27	3.45E-05	6.28E-05	3.45E-06	5.35E-06	1.03E-05	5.17E-07	5.20E-06	8.86E-06	6.57E-07	2.95E-06	4.89E-06	1.62E-07
2031	742387.16	4107613.88	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.21E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
2032	742410.97	4107609.49	3.47E-05	6.33E-05	3.48E-06	5.39E-06	1.04E-05	5.21E-07	5.24E-06	8.93E-06	6.62E-07	2.98E-06	4.92E-06	1.63E-07
2033	742434.78	4107605.1	3.50E-05	6.38E-05	3.50E-06	5.43E-06	1.05E-05	5.26E-07	5.28E-06	9.00E-06	6.67E-07	3.00E-06	4.97E-06	1.65E-07
2034	742458.59	4107600.71	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.74E-07	3.03E-06	5.02E-06	1.66E-07
2035	742482.4	4107596.32	3.59E-05	6.53E-05	3.59E-06	5.56E-06	1.07E-05	5.38E-07	5.41E-06	9.22E-06	6.83E-07	3.07E-06	5.08E-06	1.69E-07
2036	742506.21	4107591.93	3.63E-05	6.62E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.34E-06	6.93E-07	3.11E-06	5.15E-06	1.71E-07
2037	742530.02	4107587.54	3.69E-05	6.71E-05	3.69E-06	5.71E-06	1.10E-05	5.53E-07	5.56E-06	9.47E-06	7.02E-07	3.16E-06	5.22E-06	1.73E-07
2038	742573.88	4107596.72	3.84E-05	7.00E-05	3.85E-06	5.96E-06	1.15E-05	5.77E-07	5.80E-06	9.88E-06	7.32E-07	3.29E-06	5.45E-06	1.81E-07
2039	742593.93	4107610.29	3.95E-05	7.19E-05	3.95E-06	6.12E-06	1.18E-05	5.92E-07	5.95E-06	1.01E-05	7.52E-07	3.38E-06	5.60E-06	1.85E-07
2040	742613.97	4107623.86	4.05E-05	7.37E-05	4.05E-06	6.28E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.71E-07	3.47E-06	5.74E-06	1.90E-07

2041	742634.02	4107637.43	4.14E-05	7.55E-05	4.15E-06	6.42E-06	1.24E-05	6.22E-07	6.25E-06	1.06E-05	7.89E-07	3.55E-06	5.87E-06	1.95E-07
2042	742654.07	4107651	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.62E-06	6.00E-06	1.99E-07
2043	742674.12	4107664.57	4.31E-05	7.85E-05	4.31E-06	6.68E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.21E-07	3.69E-06	6.11E-06	2.02E-07
2044	742694.17	4107678.14	4.37E-05	7.96E-05	4.37E-06	6.78E-06	1.31E-05	6.56E-07	6.59E-06	1.12E-05	8.33E-07	3.75E-06	6.20E-06	2.05E-07
2045	742714.22	4107691.71	4.43E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
2046	742734.27	4107705.28	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
2047	742754.32	4107718.85	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.86E-06	6.38E-06	2.11E-07
2048	742774.37	4107732.42	4.52E-05	8.23E-05	4.52E-06	7.00E-06	1.35E-05	6.78E-07	6.81E-06	1.16E-05	8.61E-07	3.87E-06	6.40E-06	2.12E-07
2049	742794.42	4107745.99	4.52E-05	8.24E-05	4.53E-06	7.01E-06	1.35E-05	6.79E-07	6.82E-06	1.16E-05	8.62E-07	3.88E-06	6.41E-06	2.13E-07
2050	742814.47	4107759.56	4.52E-05	8.24E-05	4.52E-06	7.01E-06	1.35E-05	6.78E-07	6.82E-06	1.16E-05	8.61E-07	3.87E-06	6.41E-06	2.12E-07
2051	742834.52	4107773.13	4.51E-05	8.22E-05	4.51E-06	7.00E-06	1.35E-05	6.77E-07	6.80E-06	1.16E-05	8.60E-07	3.87E-06	6.40E-06	2.12E-07
2052	742854.57	4107786.7	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.86E-06	6.38E-06	2.11E-07
2053	742874.62	4107800.27	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.73E-07	6.77E-06	1.15E-05	8.55E-07	3.84E-06	6.36E-06	2.11E-07
2054	742894.67	4107813.85	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
2055	742914.72	4107827.42	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
2056	742934.77	4107840.99	4.48E-05	8.17E-05	4.49E-06	6.95E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.54E-07	3.84E-06	6.36E-06	2.11E-07
2057	742954.82	4107854.56	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.85E-06	6.38E-06	2.11E-07
2058	742974.87	4107868.13	4.52E-05	8.24E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.82E-06	1.16E-05	8.62E-07	3.88E-06	6.42E-06	2.13E-07
2059	742994.92	4107881.7	4.56E-05	8.31E-05	4.56E-06	7.07E-06	1.36E-05	6.85E-07	6.88E-06	1.17E-05	8.69E-07	3.91E-06	6.47E-06	2.14E-07
2060	743014.97	4107895.27	4.61E-05	8.40E-05	4.61E-06	7.15E-06	1.38E-05	6.92E-07	6.95E-06	1.19E-05	8.79E-07	3.95E-06	6.54E-06	2.17E-07
2061	743035.02	4107908.84	4.67E-05	8.51E-05	4.67E-06	7.24E-06	1.39E-05	7.01E-07	7.04E-06	1.20E-05	8.90E-07	4.00E-06	6.62E-06	2.19E-07
2062	743055.07	4107922.41	4.73E-05	8.63E-05	4.74E-06	7.34E-06	1.41E-05	7.11E-07	7.14E-06	1.22E-05	9.02E-07	4.06E-06	6.71E-06	2.22E-07
2063	743075.12	4107935.98	4.81E-05	8.76E-05	4.81E-06	7.45E-06	1.44E-05	7.21E-07	7.25E-06	1.24E-05	9.16E-07	4.12E-06	6.82E-06	2.26E-07
2064	743095.17	4107949.55	4.89E-05	8.90E-05	4.89E-06	7.58E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
2065	743115.22	4107963.12	4.97E-05	9.05E-05	4.97E-06	7.71E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.05E-06	2.34E-07
2066	743135.27	4107976.69	5.06E-05	9.22E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.33E-06	7.17E-06	2.38E-07
2067	743155.32	4107990.26	5.15E-05	9.39E-05	5.16E-06	7.99E-06	1.54E-05	7.73E-07	7.77E-06	1.32E-05	9.82E-07	4.42E-06	7.31E-06	2.42E-07
2068	743175.37	4108003.83	5.25E-05	9.57E-05	5.26E-06	8.15E-06	1.57E-05	7.88E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
2069	743195.42	4108017.4	5.36E-05	9.77E-05	5.36E-06	8.31E-06	1.60E-05	8.05E-07	8.08E-06	1.38E-05	1.02E-06	4.59E-06	7.60E-06	2.52E-07
2070	743215.47	4108030.97	5.48E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.77E-06	2.57E-07
2071	743235.52	4108044.54	5.60E-05	1.02E-04	5.60E-06	8.68E-06	1.67E-05	8.40E-07	8.44E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
2072	743255.57	4108058.11	5.73E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.64E-06	1.47E-05	1.09E-06	4.91E-06	8.12E-06	2.69E-07
2073	743275.62	4108071.68	5.86E-05	1.07E-04	5.86E-06	9.09E-06	1.75E-05	8.80E-07	8.84E-06	1.51E-05	1.12E-06	5.02E-06	8.31E-06	2.75E-07
2074	743295.67	4108085.25	6.01E-05	1.09E-04	6.01E-06	9.31E-06	1.79E-05	9.01E-07	9.06E-06	1.54E-05	1.14E-06	5.15E-06	8.52E-06	2.82E-07
2075	743315.72	4108098.82	6.16E-05	1.12E-04	6.16E-06	9.55E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.28E-06	8.73E-06	2.89E-07
2076	743335.77	4108112.39	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.96E-07
2077	743355.82	4108125.96	6.47E-05	1.18E-04	6.47E-06	1.00E-05	1.93E-05	9.71E-07	9.75E-06	1.66E-05	1.23E-06	5.54E-06	9.17E-06	3.04E-07
2078	743375.87	4108139.53	6.63E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.95E-07	1.00E-05	1.70E-05	1.26E-06	5.68E-06	9.40E-06	3.12E-07
2079	743395.92	4108153.1	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
2080	743415.97	4108166.67	6.96E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.33E-06	5.96E-06	9.87E-06	3.27E-07
2081	743436.01	4108180.24	7.13E-05	1.30E-04	7.13E-06	1.11E-05	2.13E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
2082	743456.06	4108193.81	7.30E-05	1.33E-04	7.30E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.43E-07
2083	743476.11	4108207.38	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
2084	743496.16	4108220.95	7.64E-05	1.39E-04	7.65E-06	1.19E-05	2.28E-05	1.15E-06	1.15E-05	1.96E-05	1.46E-06	6.55E-06	1.08E-05	3.59E-07
2085	743516.21	4108234.52	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
2086	743536.26	4108248.09	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
2087	743556.31	4108261.66	8.13E-05	1.48E-04	8.13E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.97E-06	1.15E-05	3.82E-07
2088	743576.36	4108275.23	8.28E-05	1.51E-04	8.28E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.09E-06	1.17E-05	3.89E-07
2089	743596.41	4108288.8	8.41E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
2090	743616.46	4108302.37	8.53E-05	1.55E-04	8.53E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
2091	743636.51	4108315.94	8.63E-05	1.57E-04	8.64E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.64E-06	7.40E-06	1.22E-05	4.06E-07
2092	743656.56	4108329.51	8.72E-05	1.59E-04	8.72E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.47E-06	1.24E-05	4.10E-07
2093	743676.61	4108343.08	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
2094	743696.66	4108356.65	8.85E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.69E-06	7.58E-06	1.25E-05	4.16E-07
2095	743716.71	4108370.22	8.89E-05	1.62E-04	8.89E-06	1.38E-05	2.66E-05	1.33E-06	1.34E-05	2.29E-05	1.69E-06	7.62E-06	1.26E-05	4.18E-07
2096	743736.76	4108383.79	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
2097	743756.81	4108397.36	8.96E-05	1.63E-04	8.97E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.30E-05	1.71E-06	7.68E-06	1.27E-05	4.21E-07
2098	743776.86	4108410.93	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.71E-06	1.28E-05	4.23E-07
2099	743796.91	4108424.5	9.04E-05	1.65E-04	9.05E-06	1.40E-05	2.70E-05	1.36E-06	1.36E-05	2.32E-05	1.72E-06	7.75E-06	1.28E-05	4.25E-07
2100	743816.96	4108438.07	9.09E-05	1.66E-04	9.10E-06	1.41E-05	2.72E-05	1.36E-06	1.37E-05	2.34E-05	1.73E-06	7.79E-06	1.29E-05	4.27E-07
2101	743837.01	4108451.64	9.16E-05	1.67E-04	9.16E-06	1.42E-05	2.74E-05	1.37E-06	1.38E-05	2.35E-05	1.75E-06	7.85E-06	1.30E-05	4.30E-07
2102	743857.06	4108465.21	9.23E-05	1.68E-04	9.24E-06	1.43E-05	2.76E-05	1.39E-06	1.39E-05	2.37E-05	1.76E-06	7.91E-06	1.31E-05	4.34E-07
2103	743877.11	4108478.78	9.32E-05	1.70E-04	9.32E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.40E-05	1.78E-06	7.98E-06	1.32E-05	4.38E-07
2104	743897.16	4108492.35	9.41E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
2105	743917.21	4108505.92	9.50E-05	1.73E-04	9.50E-06	1.47E-05	2.84E-05	1.43E-06	1.43E-05	2.44E-05	1.81E-06	8.14E-06	1.35E-05	4.46E-07
2106	743937.26	4108519.49	9.58E-05	1.75E-04	9.59E-06	1.49E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.83E-06	8.21E-06	1.36E-05	4.50E-07
2107	743957.31	4108533.06	9.66E-05	1.76E-04	9.66E-06	1.50E-05	2.88E-05	1.45E-06	1.46E-05	2.48E-05	1.84E-06	8.27E-06	1.37E-05	4.54E-07
2108	743977.36	4108546.63	9.72E-05	1.77E-04	9.73E-06	1.51E-05	2.90E-05	1.46E-06	1.47E-05	2.50E-05	1.85E-06	8.33E-06	1.38E-05	4.57E-07
2109	740839.57	4107899.19	2.80E-05	5.09E-05	2.80E-06	4.33E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
2110	740818.93	4107912.44	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.43E-06	4.23E-07	4.25E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
2111	740798.29	4107925.7	2.85E-05	5.20E-05	2.85E-06	4.42E-06	8.52E-06	4.28E-07	4.30E-06	7.33E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
2112	740777.65	4107938.96	2.89E-05	5.26E-05	2.89E-06	4.48E-06	8.63E-06	4.34E-07	4.36E-06	7.43E-06	5.50E-07	2.48E-06	4.10E-06	1.36E-07
2113	740757.01	4107952.21	2.93E-05	5.35E-05	2.94E-06	4.55E-06	8.76E-06	4.40E-07	4.42E-06	7.54E-06	5.59E-07	2.51E-06	4.16E-06	1.38E-07

2114	740736.37	4107965.47	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.91E-06	4.48E-07	4.50E-06	7.67E-06	5.68E-07	2.56E-06	4.23E-06	1.40E-07
2115	740715.74	4107978.73	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
2116	740647.35	4107558.22	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
2117	740671.3	4107553.8	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.54E-06	3.29E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.11E-06	1.03E-07
2118	740695.26	4107549.39	2.20E-05	4.00E-05	2.20E-06	3.41E-06	6.56E-06	3.30E-07	3.31E-06	5.65E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
2119	740719.22	4107544.97	2.21E-05	4.02E-05	2.21E-06	3.42E-06	6.59E-06	3.31E-07	3.33E-06	5.67E-06	4.20E-07	1.89E-06	3.13E-06	1.04E-07
2120	740743.17	4107540.55	2.22E-05	4.04E-05	2.22E-06	3.44E-06	6.62E-06	3.33E-07	3.34E-06	5.70E-06	4.23E-07	1.90E-06	3.14E-06	1.04E-07
2121	740767.13	4107536.14	2.23E-05	4.07E-05	2.23E-06	3.46E-06	6.67E-06	3.35E-07	3.37E-06	5.74E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
2122	740791.09	4107531.72	2.25E-05	4.10E-05	2.25E-06	3.49E-06	6.71E-06	3.37E-07	3.39E-06	5.78E-06	4.28E-07	1.93E-06	3.19E-06	1.06E-07
2123	740815.04	4107527.3	2.26E-05	4.13E-05	2.27E-06	3.51E-06	6.76E-06	3.40E-07	3.41E-06	5.82E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
2124	740839	4107522.89	2.28E-05	4.15E-05	2.28E-06	3.54E-06	6.81E-06	3.42E-07	3.44E-06	5.86E-06	4.34E-07	1.95E-06	3.23E-06	1.07E-07
2125	740862.96	4107518.47	2.29E-05	4.18E-05	2.29E-06	3.56E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
2126	740886.92	4107514.05	2.31E-05	4.20E-05	2.31E-06	3.57E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.39E-07	1.98E-06	3.27E-06	1.08E-07
2127	740910.87	4107509.64	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.47E-07	3.49E-06	5.95E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
2128	740934.83	4107505.22	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.94E-06	3.49E-07	3.50E-06	5.97E-06	4.43E-07	1.99E-06	3.29E-06	1.09E-07
2129	740958.79	4107500.8	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2130	740982.74	4107496.39	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.10E-07
2131	741006.7	4107491.97	2.33E-05	4.25E-05	2.33E-06	3.62E-06	6.97E-06	3.50E-07	3.52E-06	5.99E-06	4.44E-07	2.00E-06	3.31E-06	1.10E-07
2132	741030.66	4107487.55	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.10E-07
2133	741054.62	4107483.14	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2134	741078.57	4107478.72	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.44E-07	1.99E-06	3.30E-06	1.09E-07
2135	741102.53	4107474.3	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
2136	741126.49	4107469.89	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
2137	741150.44	4107465.47	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
2138	741174.4	4107461.05	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2139	741198.36	4107456.64	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
2140	741222.31	4107452.22	2.35E-05	4.28E-05	2.35E-06	3.64E-06	7.01E-06	3.52E-07	3.54E-06	6.03E-06	4.47E-07	2.01E-06	3.33E-06	1.10E-07
2141	741246.27	4107447.8	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
2142	741270.23	4107443.39	2.38E-05	4.33E-05	2.38E-06	3.69E-06	7.10E-06	3.57E-07	3.58E-06	6.11E-06	4.53E-07	2.04E-06	3.37E-06	1.12E-07
2143	741294.19	4107438.97	2.40E-05	4.36E-05	2.40E-06	3.71E-06	7.16E-06	3.60E-07	3.61E-06	6.16E-06	4.56E-07	2.05E-06	3.40E-06	1.13E-07
2144	741318.14	4107434.55	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
2145	741342.1	4107430.14	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.29E-06	3.66E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
2146	741366.06	4107425.72	2.47E-05	4.49E-05	2.47E-06	3.82E-06	7.37E-06	3.70E-07	3.72E-06	6.34E-06	4.70E-07	2.11E-06	3.50E-06	1.16E-07
2147	741390.01	4107421.3	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.44E-06	3.74E-07	3.76E-06	6.40E-06	4.75E-07	2.13E-06	3.53E-06	1.17E-07
2148	741413.97	4107416.89	2.52E-05	4.58E-05	2.52E-06	3.90E-06	7.52E-06	3.78E-07	3.79E-06	6.47E-06	4.79E-07	2.16E-06	3.57E-06	1.18E-07
2149	741437.93	4107412.47	2.54E-05	4.63E-05	2.54E-06	3.94E-06	7.59E-06	3.81E-07	3.83E-06	6.53E-06	4.84E-07	2.18E-06	3.60E-06	1.19E-07
2150	741461.88	4107408.05	2.56E-05	4.67E-05	2.56E-06	3.97E-06	7.65E-06	3.84E-07	3.86E-06	6.58E-06	4.88E-07	2.19E-06	3.63E-06	1.20E-07
2151	741485.84	4107403.64	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.71E-06	3.87E-07	3.89E-06	6.63E-06	4.92E-07	2.21E-06	3.66E-06	1.21E-07
2152	741509.8	4107399.22	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.92E-06	6.68E-06	4.95E-07	2.23E-06	3.68E-06	1.22E-07
2153	741533.76	4107394.8	2.61E-05	4.76E-05	2.61E-06	4.05E-06	7.80E-06	3.92E-07	3.94E-06	6.71E-06	4.97E-07	2.24E-06	3.70E-06	1.23E-07
2154	741557.71	4107390.39	2.62E-05	4.78E-05	2.62E-06	4.07E-06	7.83E-06	3.93E-07	3.95E-06	6.74E-06	5.00E-07	2.25E-06	3.72E-06	1.23E-07
2155	741581.67	4107385.97	2.63E-05	4.79E-05	2.63E-06	4.08E-06	7.86E-06	3.95E-07	3.96E-06	6.76E-06	5.01E-07	2.25E-06	3.73E-06	1.24E-07
2156	741605.63	4107381.55	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
2157	741629.58	4107377.14	2.64E-05	4.81E-05	2.64E-06	4.09E-06	7.88E-06	3.96E-07	3.98E-06	6.78E-06	5.03E-07	2.26E-06	3.74E-06	1.24E-07
2158	741653.54	4107372.72	2.64E-05	4.81E-05	2.64E-06	4.10E-06	7.89E-06	3.96E-07	3.98E-06	6.79E-06	5.03E-07	2.26E-06	3.75E-06	1.24E-07
2159	741677.5	4107368.3	2.64E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
2160	741701.46	4107363.89	2.65E-05	4.82E-05	2.65E-06	4.10E-06	7.90E-06	3.97E-07	3.99E-06	6.80E-06	5.04E-07	2.27E-06	3.75E-06	1.24E-07
2161	741725.41	4107359.47	2.65E-05	4.83E-05	2.65E-06	4.11E-06	7.91E-06	3.98E-07	4.00E-06	6.81E-06	5.05E-07	2.27E-06	3.76E-06	1.25E-07
2162	741749.37	4107355.05	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
2163	741773.33	4107350.64	2.66E-05	4.85E-05	2.66E-06	4.13E-06	7.95E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
2164	741797.28	4107346.22	2.67E-05	4.86E-05	2.67E-06	4.14E-06	7.97E-06	4.01E-07	4.03E-06	6.86E-06	5.09E-07	2.29E-06	3.78E-06	1.25E-07
2165	741821.24	4107341.8	2.68E-05	4.88E-05	2.68E-06	4.16E-06	8.01E-06	4.02E-07	4.04E-06	6.89E-06	5.11E-07	2.30E-06	3.80E-06	1.26E-07
2166	741845.2	4107337.39	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.05E-06	4.04E-07	4.06E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
2167	741869.15	4107332.97	2.71E-05	4.94E-05	2.71E-06	4.20E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.84E-06	1.27E-07
2168	741893.11	4107328.55	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.15E-06	4.10E-07	4.11E-06	7.01E-06	5.20E-07	2.34E-06	3.87E-06	1.28E-07
2169	741917.07	4107324.14	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.12E-07	4.14E-06	7.06E-06	5.24E-07	2.35E-06	3.90E-06	1.29E-07
2170	741941.03	4107319.72	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.26E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
2171	741964.98	4107315.3	2.78E-05	5.07E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
2172	741988.94	4107310.89	2.80E-05	5.11E-05	2.80E-06	4.35E-06	8.37E-06	4.21E-07	4.23E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
2173	742012.9	4107306.47	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
2174	742036.85	4107302.05	2.83E-05	5.16E-05	2.83E-06	4.39E-06	8.45E-06	4.25E-07	4.27E-06	7.27E-06	5.39E-07	2.42E-06	4.01E-06	1.33E-07
2175	742060.81	4107297.64	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.02E-06	1.33E-07
2176	742084.77	4107293.22	2.84E-05	5.18E-05	2.84E-06	4.41E-06	8.49E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
2177	742108.72	4107288.8	2.84E-05	5.18E-05	2.85E-06	4.41E-06	8.50E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
2178	742132.68	4107284.39	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.03E-06	1.33E-07
2179	742156.64	4107279.97	2.83E-05	5.16E-05	2.83E-06	4.39E-06	8.46E-06	4.25E-07	4.27E-06	7.28E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
2180	742180.6	4107275.55	2.82E-05	5.14E-05	2.82E-06	4.38E-06	8.43E-06	4.24E-07	4.26E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
2181	742204.55	4107271.14	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
2182	742228.51	4107266.72	2.79E-05	5.09E-05	2.79E-06	4.33E-06	8.34E-06	4.19E-07	4.21E-06	7.18E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
2183	742252.47	4107262.3	2.78E-05	5.06E-05	2.78E-06	4.30E-06	8.29E-06	4.17E-07	4.18E-06	7.13E-06	5.29E-07	2.38E-06	3.93E-06	1.30E-07
2184	742276.42	4107257.89	2.76E-05	5.02E-05	2.76E-06	4.27E-06	8.23E-06	4.14E-07	4.16E-06	7.09E-06	5.25E-07	2.36E-06	3.91E-06	1.30E-07
2185	742300.38	4107253.47	2.74E-05	4.99E-05	2.74E-06	4.25E-06	8.18E-06	4.11E-07	4.13E-06	7.04E-06	5.22E-07	2.35E-06	3.88E-06	1.29E-07
2186	742324.34	4107249.05	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.14E-06	4.09E-07	4.11E-06	7.01E-06	5.19E-07	2.34E-06	3.86E-06	1.28E-07

2187	742348.3	4107244.64	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.85E-06	1.27E-07
2188	742372.25	4107240.22	2.71E-05	4.93E-05	2.71E-06	4.19E-06	8.08E-06	4.06E-07	4.08E-06	6.95E-06	5.15E-07	2.32E-06	3.84E-06	1.27E-07
2189	742396.21	4107235.8	2.70E-05	4.92E-05	2.70E-06	4.19E-06	8.07E-06	4.05E-07	4.07E-06	6.95E-06	5.15E-07	2.32E-06	3.83E-06	1.27E-07
2190	742420.17	4107231.39	2.70E-05	4.93E-05	2.71E-06	4.19E-06	8.08E-06	4.06E-07	4.08E-06	6.95E-06	5.15E-07	2.32E-06	3.83E-06	1.27E-07
2191	742444.12	4107226.97	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.84E-06	1.27E-07
2192	742468.08	4107222.55	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.14E-06	4.09E-07	4.11E-06	7.01E-06	5.19E-07	2.34E-06	3.86E-06	1.28E-07
2193	742492.04	4107218.14	2.75E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.06E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
2194	742515.99	4107213.72	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.27E-06	4.16E-07	4.18E-06	7.12E-06	5.28E-07	2.37E-06	3.93E-06	1.30E-07
2195	742539.95	4107209.3	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.36E-06	4.20E-07	4.22E-06	7.20E-06	5.34E-07	2.40E-06	3.97E-06	1.32E-07
2196	742563.91	4107204.89	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.47E-06	4.26E-07	4.28E-06	7.29E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
2197	742587.87	4107200.47	2.87E-05	5.24E-05	2.88E-06	4.46E-06	8.59E-06	4.31E-07	4.33E-06	7.39E-06	5.48E-07	2.46E-06	4.08E-06	1.35E-07
2198	742611.82	4107196.05	2.92E-05	5.31E-05	2.92E-06	4.52E-06	8.71E-06	4.38E-07	4.40E-06	7.49E-06	5.56E-07	2.50E-06	4.13E-06	1.37E-07
2199	742655.95	4107205.29	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
2200	742676.13	4107218.95	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
2201	742696.3	4107232.6	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.53E-06	4.79E-07	4.81E-06	8.20E-06	6.08E-07	2.73E-06	4.52E-06	1.50E-07
2202	742716.48	4107246.26	3.26E-05	5.94E-05	3.26E-06	5.06E-06	9.74E-06	4.90E-07	4.92E-06	8.39E-06	6.22E-07	2.80E-06	4.62E-06	1.53E-07
2203	742736.65	4107259.91	3.33E-05	6.07E-05	3.34E-06	5.17E-06	9.96E-06	5.00E-07	5.03E-06	8.57E-06	6.35E-07	2.86E-06	4.73E-06	1.57E-07
2204	742756.83	4107273.56	3.40E-05	6.19E-05	3.40E-06	5.27E-06	1.02E-05	5.10E-07	5.13E-06	8.74E-06	6.48E-07	2.91E-06	4.82E-06	1.60E-07
2205	742777	4107287.22	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.21E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07
2206	742797.17	4107300.87	3.51E-05	6.40E-05	3.51E-06	5.44E-06	1.05E-05	5.27E-07	5.29E-06	9.02E-06	6.69E-07	3.01E-06	4.98E-06	1.65E-07
2207	742817.35	4107314.53	3.55E-05	6.48E-05	3.56E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.14E-06	6.77E-07	3.05E-06	5.04E-06	1.67E-07
2208	742837.52	4107328.18	3.59E-05	6.54E-05	3.59E-06	5.56E-06	1.07E-05	5.39E-07	5.41E-06	9.22E-06	6.84E-07	3.07E-06	5.09E-06	1.69E-07
2209	742857.7	4107341.84	3.61E-05	6.58E-05	3.61E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.88E-07	3.10E-06	5.12E-06	1.70E-07
2210	742877.87	4107355.49	3.63E-05	6.61E-05	3.63E-06	5.62E-06	1.08E-05	5.44E-07	5.47E-06	9.32E-06	6.91E-07	3.11E-06	5.14E-06	1.70E-07
2211	742898.05	4107369.15	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
2212	742918.22	4107382.8	3.63E-05	6.61E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.47E-06	9.33E-06	6.91E-07	3.11E-06	5.14E-06	1.71E-07
2213	742938.39	4107396.45	3.62E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.46E-06	9.30E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
2214	742958.57	4107410.11	3.60E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.43E-06	9.26E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
2215	742978.74	4107423.76	3.59E-05	6.53E-05	3.59E-06	5.56E-06	1.07E-05	5.38E-07	5.41E-06	9.22E-06	6.83E-07	3.07E-06	5.08E-06	1.69E-07
2216	742998.92	4107437.42	3.57E-05	6.50E-05	3.57E-06	5.53E-06	1.07E-05	5.36E-07	5.38E-06	9.17E-06	6.80E-07	3.06E-06	5.06E-06	1.68E-07
2217	743019.09	4107451.07	3.55E-05	6.47E-05	3.55E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.13E-06	6.77E-07	3.04E-06	5.04E-06	1.67E-07
2218	743039.27	4107464.73	3.54E-05	6.45E-05	3.54E-06	5.49E-06	1.06E-05	5.31E-07	5.34E-06	9.10E-06	6.74E-07	3.03E-06	5.02E-06	1.66E-07
2219	743059.44	4107478.38	3.53E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2220	743079.61	4107492.04	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2221	743099.79	4107505.69	3.55E-05	6.46E-05	3.55E-06	5.50E-06	1.06E-05	5.32E-07	5.35E-06	9.12E-06	6.76E-07	3.04E-06	5.03E-06	1.67E-07
2222	743119.96	4107519.34	3.57E-05	6.50E-05	3.57E-06	5.53E-06	1.07E-05	5.35E-07	5.38E-06	9.17E-06	6.80E-07	3.06E-06	5.06E-06	1.68E-07
2223	743140.14	4107533	3.60E-05	6.55E-05	3.60E-06	5.58E-06	1.07E-05	5.40E-07	5.42E-06	9.24E-06	6.85E-07	3.08E-06	5.10E-06	1.69E-07
2224	743160.31	4107546.65	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.09E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
2225	743180.49	4107560.31	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.55E-06	9.45E-06	7.01E-07	3.15E-06	5.21E-06	1.73E-07
2226	743200.66	4107573.96	3.73E-05	6.79E-05	3.73E-06	5.78E-06	1.11E-05	5.59E-07	5.62E-06	9.58E-06	7.10E-07	3.19E-06	5.28E-06	1.75E-07
2227	743220.83	4107587.62	3.78E-05	6.89E-05	3.78E-06	5.86E-06	1.13E-05	5.68E-07	5.70E-06	9.72E-06	7.21E-07	3.24E-06	5.36E-06	1.78E-07
2228	743241.01	4107601.27	3.84E-05	7.00E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.79E-06	9.87E-06	7.32E-07	3.29E-06	5.44E-06	1.80E-07
2229	743261.18	4107614.93	3.90E-05	7.11E-05	3.90E-06	6.05E-06	1.17E-05	5.85E-07	5.88E-06	1.00E-05	7.43E-07	3.34E-06	5.53E-06	1.83E-07
2230	743281.36	4107628.58	3.96E-05	7.22E-05	3.96E-06	6.14E-06	1.18E-05	5.95E-07	5.97E-06	1.02E-05	7.55E-07	3.39E-06	5.62E-06	1.86E-07
2231	743301.53	4107642.23	4.03E-05	7.34E-05	4.03E-06	6.24E-06	1.20E-05	6.04E-07	6.07E-06	1.03E-05	7.67E-07	3.45E-06	5.71E-06	1.89E-07
2232	743321.71	4107655.89	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
2233	743341.88	4107669.54	4.16E-05	7.57E-05	4.16E-06	6.44E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
2234	743362.05	4107683.2	4.22E-05	7.70E-05	4.23E-06	6.55E-06	1.26E-05	6.34E-07	6.37E-06	1.09E-05	8.05E-07	3.62E-06	5.99E-06	1.99E-07
2235	743382.23	4107696.85	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
2236	743402.4	4107710.51	4.38E-05	7.97E-05	4.38E-06	6.79E-06	1.31E-05	6.57E-07	6.60E-06	1.12E-05	8.34E-07	3.75E-06	6.20E-06	2.06E-07
2237	743422.58	4107724.16	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
2238	743442.75	4107737.82	4.54E-05	8.28E-05	4.54E-06	7.04E-06	1.36E-05	6.82E-07	6.85E-06	1.17E-05	8.65E-07	3.89E-06	6.44E-06	2.13E-07
2239	743462.93	4107751.47	4.63E-05	8.44E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
2240	743483.1	4107765.13	4.73E-05	8.61E-05	4.73E-06	7.33E-06	1.41E-05	7.09E-07	7.13E-06	1.21E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
2241	743503.27	4107778.78	4.83E-05	8.79E-05	4.83E-06	7.48E-06	1.44E-05	7.24E-07	7.28E-06	1.24E-05	9.20E-07	4.14E-06	6.84E-06	2.27E-07
2242	743523.45	4107792.43	4.93E-05	8.98E-05	4.93E-06	7.65E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
2243	743543.62	4107806.09	5.03E-05	9.17E-05	5.04E-06	7.81E-06	1.50E-05	7.55E-07	7.59E-06	1.29E-05	9.59E-07	4.31E-06	7.14E-06	2.37E-07
2244	743563.8	4107819.74	5.14E-05	9.36E-05	5.14E-06	7.97E-06	1.54E-05	7.71E-07	7.75E-06	1.32E-05	9.79E-07	4.40E-06	7.29E-06	2.41E-07
2245	743583.97	4107833.4	5.25E-05	9.56E-05	5.25E-06	8.13E-06	1.57E-05	7.87E-07	7.91E-06	1.35E-05	1.00E-06	4.49E-06	7.44E-06	2.46E-07
2246	743604.15	4107847.05	5.35E-05	9.75E-05	5.36E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.59E-06	7.59E-06	2.52E-07
2247	743624.32	4107860.71	5.46E-05	9.95E-05	5.46E-06	8.47E-06	1.63E-05	8.20E-07	8.24E-06	1.40E-05	1.04E-06	4.68E-06	7.74E-06	2.57E-07
2248	743644.49	4107874.36	5.57E-05	1.02E-04	5.57E-06	8.64E-06	1.66E-05	8.36E-07	8.40E-06	1.43E-05	1.06E-06	4.77E-06	7.90E-06	2.62E-07
2249	743664.67	4107888.02	5.68E-05	1.04E-04	5.68E-06	8.81E-06	1.70E-05	8.53E-07	8.57E-06	1.46E-05	1.08E-06	4.87E-06	8.05E-06	2.67E-07
2250	743684.84	4107901.67	5.79E-05	1.06E-04	5.80E-06	8.98E-06	1.73E-05	8.69E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.21E-06	2.72E-07
2251	743705.02	4107915.32	5.90E-05	1.08E-04	5.91E-06	9.15E-06	1.76E-05	8.86E-07	8.90E-06	1.52E-05	1.12E-06	5.06E-06	8.37E-06	2.77E-07
2252	743725.19	4107928.98	6.02E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
2253	743745.37	4107942.63	6.13E-05	1.12E-04	6.13E-06	9.51E-06	1.83E-05	9.20E-07	9.24E-06	1.58E-05	1.17E-06	5.25E-06	8.69E-06	2.88E-07
2254	743765.54	4107956.29	6.24E-05	1.14E-04	6.24E-06	9.68E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
2255	743785.71	4107969.94	6.35E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.53E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	9.00E-06	2.98E-07
2256	743805.89	4107983.6	6.45E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
2257	743826.06	4107997.25	6.55E-05	1.19E-04	6.56E-06	1.02E-05	1.96E-05	9.84E-07	9.88E-06	1.68E-05	1.25E-06	5.62E-06	9.29E-06	3.08E-07
2258	743846.24	4108010.91	6.64E-05	1.21E-04	6.65E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
2259	743866.41	4108024.56	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.76E-06	9.54E-06	3.16E-07

2260	743886.59	4108038.21	6.80E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.64E-06	3.20E-07
2261	743906.76	4108051.87	6.86E-05	1.25E-04	6.87E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.88E-06	9.73E-06	3.23E-07
2262	743926.93	4108065.52	6.91E-05	1.26E-04	6.92E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.92E-06	9.80E-06	3.25E-07
2263	743947.11	4108079.18	6.95E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.96E-06	9.86E-06	3.27E-07
2264	743967.28	4108092.83	6.98E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.98E-06	9.90E-06	3.28E-07
2265	743987.46	4108106.49	7.00E-05	1.28E-04	7.00E-06	1.09E-05	2.09E-05	1.05E-06	1.06E-05	1.80E-05	1.33E-06	6.00E-06	9.93E-06	3.29E-07
2266	744007.63	4108120.14	7.02E-05	1.28E-04	7.02E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.80E-05	1.34E-06	6.01E-06	9.95E-06	3.30E-07
2267	744027.81	4108133.8	7.03E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.97E-06	3.30E-07
2268	744047.98	4108147.45	7.05E-05	1.28E-04	7.05E-06	1.09E-05	2.11E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.04E-06	1.00E-05	3.31E-07
2269	744068.15	4108161.1	7.07E-05	1.29E-04	7.08E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.06E-06	1.00E-05	3.32E-07
2270	744088.33	4108174.76	7.10E-05	1.29E-04	7.11E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.35E-06	6.09E-06	1.01E-05	3.34E-07
2271	744108.5	4108188.41	7.14E-05	1.30E-04	7.15E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.12E-06	1.01E-05	3.36E-07
2272	744128.68	4108202.07	7.19E-05	1.31E-04	7.20E-06	1.12E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.16E-06	1.02E-05	3.38E-07
2273	744148.85	4108215.72	7.25E-05	1.32E-04	7.25E-06	1.12E-05	2.17E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
2274	744169.03	4108229.38	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
2275	744189.2	4108243.03	7.39E-05	1.35E-04	7.39E-06	1.15E-05	2.21E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.33E-06	1.05E-05	3.47E-07
2276	744209.37	4108256.69	7.46E-05	1.36E-04	7.47E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.39E-06	1.06E-05	3.51E-07
2277	744229.55	4108270.34	7.53E-05	1.37E-04	7.54E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.46E-06	1.07E-05	3.54E-07
2278	744249.72	4108283.99	7.61E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.57E-07
2279	744269.9	4108297.65	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
2280	744290.07	4108311.3	7.72E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.16E-05	1.99E-05	1.47E-06	6.62E-06	1.09E-05	3.63E-07
2281	744310.25	4108324.96	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
2282	740623.39	4107562.64	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.55E-06	3.29E-07	3.30E-06	5.63E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
2283	740602.75	4107575.89	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.61E-06	3.32E-07	3.34E-06	5.69E-06	4.21E-07	1.90E-06	3.14E-06	1.04E-07
2284	740582.11	4107589.15	2.24E-05	4.08E-05	2.24E-06	3.47E-06	6.68E-06	3.36E-07	3.37E-06	5.75E-06	4.26E-07	1.92E-06	3.17E-06	1.05E-07
2285	740561.47	4107602.41	2.27E-05	4.13E-05	2.27E-06	3.52E-06	6.77E-06	3.40E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.21E-06	1.07E-07
2286	740540.84	4107615.66	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
2287	740520.2	4107628.92	2.34E-05	4.27E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
2288	740499.56	4107642.18	2.38E-05	4.34E-05	2.38E-06	3.69E-06	7.12E-06	3.58E-07	3.59E-06	6.12E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
2289	740431.28	4107221.65	1.77E-05	3.23E-05	1.77E-06	2.75E-06	5.29E-06	2.66E-07	2.67E-06	4.55E-06	3.38E-07	1.52E-06	2.51E-06	8.33E-08
2290	740455.35	4107217.21	1.77E-05	3.23E-05	1.77E-06	2.75E-06	5.29E-06	2.66E-07	2.67E-06	4.55E-06	3.37E-07	1.52E-06	2.51E-06	8.32E-08
2291	740479.41	4107212.77	1.77E-05	3.23E-05	1.77E-06	2.75E-06	5.30E-06	2.66E-07	2.67E-06	4.56E-06	3.38E-07	1.52E-06	2.51E-06	8.33E-08
2292	740503.48	4107208.34	1.78E-05	3.24E-05	1.78E-06	2.76E-06	5.31E-06	2.67E-07	2.68E-06	4.57E-06	3.39E-07	1.52E-06	2.52E-06	8.36E-08
2293	740527.55	4107203.9	1.79E-05	3.26E-05	1.79E-06	2.77E-06	5.34E-06	2.68E-07	2.70E-06	4.59E-06	3.41E-07	1.53E-06	2.53E-06	8.40E-08
2294	740551.62	4107199.46	1.80E-05	3.28E-05	1.80E-06	2.79E-06	5.37E-06	2.70E-07	2.71E-06	4.62E-06	3.43E-07	1.54E-06	2.55E-06	8.45E-08
2295	740575.69	4107195.02	1.81E-05	3.30E-05	1.81E-06	2.81E-06	5.41E-06	2.72E-07	2.73E-06	4.66E-06	3.45E-07	1.55E-06	2.57E-06	8.51E-08
2296	740599.75	4107190.59	1.83E-05	3.33E-05	1.83E-06	2.83E-06	5.46E-06	2.74E-07	2.75E-06	4.70E-06	3.48E-07	1.57E-06	2.59E-06	8.58E-08
2297	740623.82	4107186.15	1.84E-05	3.36E-05	1.84E-06	2.86E-06	5.50E-06	2.76E-07	2.78E-06	4.74E-06	3.51E-07	1.58E-06	2.61E-06	8.66E-08
2298	740647.89	4107181.71	1.86E-05	3.38E-05	1.86E-06	2.88E-06	5.55E-06	2.79E-07	2.80E-06	4.77E-06	3.54E-07	1.59E-06	2.63E-06	8.72E-08
2299	740671.96	4107177.28	1.87E-05	3.41E-05	1.87E-06	2.90E-06	5.59E-06	2.81E-07	2.82E-06	4.81E-06	3.57E-07	1.60E-06	2.65E-06	8.80E-08
2300	740696.03	4107172.84	1.89E-05	3.44E-05	1.89E-06	2.92E-06	5.63E-06	2.83E-07	2.84E-06	4.85E-06	3.59E-07	1.62E-06	2.67E-06	8.86E-08
2301	740720.09	4107168.4	1.90E-05	3.46E-05	1.90E-06	2.94E-06	5.67E-06	2.85E-07	2.86E-06	4.88E-06	3.61E-07	1.63E-06	2.69E-06	8.91E-08
2302	740744.16	4107163.96	1.91E-05	3.47E-05	1.91E-06	2.96E-06	5.70E-06	2.86E-07	2.88E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.96E-08
2303	740768.23	4107159.53	1.91E-05	3.49E-05	1.92E-06	2.97E-06	5.72E-06	2.87E-07	2.89E-06	4.92E-06	3.65E-07	1.64E-06	2.71E-06	9.00E-08
2304	740792.3	4107155.09	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.72E-06	9.02E-08
2305	740816.37	4107150.65	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.73E-06	9.03E-08
2306	740840.43	4107146.22	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.73E-06	9.03E-08
2307	740864.5	4107141.78	1.92E-05	3.50E-05	1.92E-06	2.98E-06	5.74E-06	2.88E-07	2.90E-06	4.94E-06	3.66E-07	1.65E-06	2.72E-06	9.02E-08
2308	740888.57	4107137.34	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.73E-06	2.88E-07	2.89E-06	4.93E-06	3.65E-07	1.64E-06	2.72E-06	9.01E-08
2309	740912.64	4107132.91	1.91E-05	3.48E-05	1.91E-06	2.97E-06	5.71E-06	2.87E-07	2.88E-06	4.92E-06	3.64E-07	1.64E-06	2.71E-06	8.99E-08
2310	740936.71	4107128.47	1.91E-05	3.47E-05	1.91E-06	2.96E-06	5.70E-06	2.86E-07	2.88E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.96E-08
2311	740960.77	4107124.03	1.90E-05	3.46E-05	1.90E-06	2.95E-06	5.68E-06	2.85E-07	2.87E-06	4.89E-06	3.62E-07	1.63E-06	2.70E-06	8.93E-08
2312	740984.84	4107119.59	1.90E-05	3.46E-05	1.90E-06	2.94E-06	5.67E-06	2.85E-07	2.86E-06	4.88E-06	3.61E-07	1.63E-06	2.69E-06	8.91E-08
2313	741008.91	4107115.16	1.89E-05	3.45E-05	1.89E-06	2.94E-06	5.66E-06	2.84E-07	2.85E-06	4.87E-06	3.61E-07	1.62E-06	2.68E-06	8.90E-08
2314	741032.98	4107110.72	1.89E-05	3.45E-05	1.89E-06	2.93E-06	5.65E-06	2.84E-07	2.85E-06	4.86E-06	3.61E-07	1.62E-06	2.68E-06	8.89E-08
2315	741057.04	4107106.28	1.89E-05	3.45E-05	1.89E-06	2.94E-06	5.66E-06	2.84E-07	2.85E-06	4.87E-06	3.61E-07	1.62E-06	2.68E-06	8.90E-08
2316	741081.11	4107101.85	1.90E-05	3.46E-05	1.90E-06	2.94E-06	5.67E-06	2.85E-07	2.86E-06	4.88E-06	3.61E-07	1.63E-06	2.69E-06	8.91E-08
2317	741105.18	4107097.41	1.90E-05	3.47E-05	1.90E-06	2.95E-06	5.69E-06	2.86E-07	2.87E-06	4.89E-06	3.63E-07	1.63E-06	2.70E-06	8.94E-08
2318	741129.25	4107092.97	1.91E-05	3.48E-05	1.91E-06	2.97E-06	5.71E-06	2.87E-07	2.88E-06	4.92E-06	3.64E-07	1.64E-06	2.71E-06	8.99E-08
2319	741153.32	4107088.53	1.92E-05	3.51E-05	1.93E-06	2.98E-06	5.75E-06	2.89E-07	2.90E-06	4.95E-06	3.67E-07	1.65E-06	2.73E-06	9.04E-08
2320	741177.38	4107084.1	1.94E-05	3.53E-05	1.94E-06	3.01E-06	5.79E-06	2.91E-07	2.92E-06	4.98E-06	3.69E-07	1.66E-06	2.75E-06	9.11E-08
2321	741201.45	4107079.66	1.96E-05	3.56E-05	1.96E-06	3.03E-06	5.84E-06	2.94E-07	2.95E-06	5.03E-06	3.73E-07	1.68E-06	2.77E-06	9.19E-08
2322	741225.52	4107075.22	1.98E-05	3.60E-05	1.98E-06	3.06E-06	5.90E-06	2.97E-07	2.98E-06	5.08E-06	3.76E-07	1.69E-06	2.80E-06	9.28E-08
2323	741249.59	4107070.79	2.00E-05	3.64E-05	2.00E-06	3.09E-06	5.96E-06	3.00E-07	3.01E-06	5.13E-06	3.80E-07	1.71E-06	2.83E-06	9.38E-08
2324	741273.66	4107066.35	2.02E-05	3.68E-05	2.02E-06	3.13E-06	6.03E-06	3.03E-07	3.04E-06	5.19E-06	3.85E-07	1.73E-06	2.86E-06	9.48E-08
2325	741297.72	4107061.91	2.04E-05	3.72E-05	2.04E-06	3.16E-06	6.10E-06	3.06E-07	3.08E-06	5.24E-06	3.89E-07	1.75E-06	2.89E-06	9.59E-08
2326	741321.79	4107057.47	2.06E-05	3.76E-05	2.06E-06	3.20E-06	6.16E-06	3.10E-07	3.11E-06	5.30E-06	3.93E-07	1.77E-06	2.92E-06	9.69E-08
2327	741345.86	4107053.04	2.08E-05	3.80E-05	2.08E-06	3.23E-06	6.22E-06	3.13E-07	3.14E-06	5.36E-06	3.97E-07	1.79E-06	2.95E-06	9.79E-08
2328	741369.93	4107048.6	2.10E-05	3.83E-05	2.10E-06	3.26E-06	6.28E-06	3.16E-07	3.17E-06	5.41E-06	4.01E-07	1.80E-06	2.98E-06	9.89E-08
2329	741394	4107044.16	2.12E-05	3.87E-05	2.12E-06	3.29E-06	6.34E-06	3.18E-07	3.20E-06	5.45E-06	4.04E-07	1.82E-06	3.01E-06	9.97E-08
2330	741418.06	4107039.73	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.22E-06	5.50E-06	4.07E-07	1.83E-06	3.03E-06	1.00E-07
2331	741442.13	4107035.29	2.15E-05	3.92E-05	2.15E-06	3.33E-06	6.42E-06	3.23E-07	3.24E-06	5.53E-06	4.10E-07	1.84E-06	3.05E-06	1.01E-07
2332	741466.2	4107030.85	2.16E-05	3.94E-05	2.16E-06	3.35E-06	6.46E-06	3.24E-07	3.26E-06	5.56E-06	4.12E-07	1.85E-06	3.06E-06	1.02E-07

2333	741490.27	4107026.41	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.48E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
2334	741514.34	4107021.98	2.17E-05	3.96E-05	2.18E-06	3.37E-06	6.49E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2335	741538.4	4107017.54	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2336	741562.47	4107013.1	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2337	741586.54	4107008.67	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2338	741610.61	4107004.23	2.17E-05	3.96E-05	2.18E-06	3.37E-06	6.50E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2339	741634.68	4106999.79	2.17E-05	3.96E-05	2.18E-06	3.37E-06	6.49E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2340	741658.74	4106995.36	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.49E-06	3.26E-07	3.27E-06	5.58E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2341	741682.81	4106990.92	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.48E-06	3.26E-07	3.27E-06	5.58E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2342	741706.88	4106986.48	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.48E-06	3.26E-07	3.27E-06	5.58E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2343	741730.95	4106982.04	2.17E-05	3.96E-05	2.17E-06	3.37E-06	6.49E-06	3.26E-07	3.28E-06	5.59E-06	4.14E-07	1.86E-06	3.08E-06	1.02E-07
2344	741755.02	4106977.61	2.18E-05	3.97E-05	2.18E-06	3.38E-06	6.50E-06	3.27E-07	3.28E-06	5.60E-06	4.15E-07	1.87E-06	3.09E-06	1.02E-07
2345	741779.08	4106973.17	2.18E-05	3.98E-05	2.19E-06	3.39E-06	6.52E-06	3.28E-07	3.29E-06	5.61E-06	4.16E-07	1.87E-06	3.10E-06	1.03E-07
2346	741803.15	4106968.73	2.19E-05	3.99E-05	2.19E-06	3.40E-06	6.55E-06	3.29E-07	3.30E-06	5.63E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
2347	741827.22	4106964.3	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.58E-06	3.30E-07	3.32E-06	5.66E-06	4.20E-07	1.89E-06	3.12E-06	1.03E-07
2348	741851.29	4106959.86	2.22E-05	4.04E-05	2.22E-06	3.43E-06	6.62E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
2349	741875.36	4106955.42	2.23E-05	4.06E-05	2.23E-06	3.46E-06	6.66E-06	3.34E-07	3.36E-06	5.73E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
2350	741899.42	4106950.98	2.24E-05	4.09E-05	2.25E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.05E-07
2351	741923.49	4106946.55	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.75E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
2352	741947.56	4106942.11	2.28E-05	4.15E-05	2.28E-06	3.53E-06	6.80E-06	3.42E-07	3.43E-06	5.85E-06	4.34E-07	1.95E-06	3.23E-06	1.07E-07
2353	741971.63	4106937.67	2.29E-05	4.18E-05	2.29E-06	3.55E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
2354	741995.7	4106933.24	2.31E-05	4.20E-05	2.31E-06	3.58E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
2355	742019.76	4106928.8	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
2356	742043.83	4106924.36	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.10E-07
2357	742067.9	4106919.92	2.34E-05	4.26E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.01E-06	4.46E-07	2.00E-06	3.32E-06	1.10E-07
2358	742091.97	4106915.49	2.34E-05	4.27E-05	2.34E-06	3.63E-06	7.00E-06	3.52E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
2359	742116.03	4106911.05	2.34E-05	4.27E-05	2.35E-06	3.64E-06	7.00E-06	3.52E-07	3.54E-06	6.03E-06	4.47E-07	2.01E-06	3.32E-06	1.10E-07
2360	742140.1	4106906.61	2.34E-05	4.27E-05	2.34E-06	3.63E-06	7.00E-06	3.52E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
2361	742164.17	4106902.18	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
2362	742188.24	4106897.74	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
2363	742212.31	4106893.3	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
2364	742236.37	4106888.87	2.31E-05	4.20E-05	2.31E-06	3.58E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.39E-07	1.98E-06	3.27E-06	1.08E-07
2365	742260.44	4106884.43	2.29E-05	4.18E-05	2.29E-06	3.55E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
2366	742284.51	4106879.99	2.28E-05	4.15E-05	2.28E-06	3.53E-06	6.80E-06	3.42E-07	3.43E-06	5.85E-06	4.34E-07	1.95E-06	3.23E-06	1.07E-07
2367	742308.58	4106875.55	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.76E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
2368	742332.65	4106871.12	2.25E-05	4.09E-05	2.25E-06	3.48E-06	6.71E-06	3.37E-07	3.39E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.06E-07
2369	742356.71	4106866.68	2.23E-05	4.07E-05	2.23E-06	3.46E-06	6.67E-06	3.35E-07	3.37E-06	5.74E-06	4.25E-07	1.91E-06	3.17E-06	1.05E-07
2370	742380.78	4106862.24	2.22E-05	4.05E-05	2.22E-06	3.44E-06	6.63E-06	3.33E-07	3.35E-06	5.71E-06	4.23E-07	1.90E-06	3.15E-06	1.04E-07
2371	742404.85	4106857.81	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.60E-06	3.32E-07	3.33E-06	5.68E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
2372	742428.92	4106853.37	2.20E-05	4.02E-05	2.21E-06	3.42E-06	6.58E-06	3.31E-07	3.32E-06	5.67E-06	4.20E-07	1.89E-06	3.12E-06	1.04E-07
2373	742452.99	4106848.93	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.57E-06	3.30E-07	3.32E-06	5.65E-06	4.19E-07	1.88E-06	3.12E-06	1.03E-07
2374	742477.05	4106844.49	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.57E-06	3.30E-07	3.32E-06	5.65E-06	4.19E-07	1.88E-06	3.12E-06	1.03E-07
2375	742501.12	4106840.06	2.20E-05	4.02E-05	2.21E-06	3.42E-06	6.58E-06	3.31E-07	3.32E-06	5.67E-06	4.20E-07	1.89E-06	3.12E-06	1.04E-07
2376	742525.19	4106835.62	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.61E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
2377	742549.26	4106831.18	2.23E-05	4.06E-05	2.23E-06	3.45E-06	6.65E-06	3.34E-07	3.36E-06	5.72E-06	4.24E-07	1.91E-06	3.16E-06	1.05E-07
2378	742573.33	4106826.75	2.24E-05	4.09E-05	2.25E-06	3.48E-06	6.70E-06	3.37E-07	3.38E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.05E-07
2379	742597.39	4106822.31	2.27E-05	4.13E-05	2.27E-06	3.51E-06	6.77E-06	3.40E-07	3.42E-06	5.82E-06	4.32E-07	1.94E-06	3.21E-06	1.06E-07
2380	742621.46	4106817.87	2.29E-05	4.17E-05	2.29E-06	3.55E-06	6.84E-06	3.44E-07	3.45E-06	5.89E-06	4.36E-07	1.96E-06	3.25E-06	1.08E-07
2381	742645.53	4106813.43	2.32E-05	4.22E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
2382	742669.6	4106809	2.35E-05	4.28E-05	2.35E-06	3.65E-06	7.02E-06	3.53E-07	3.55E-06	6.04E-06	4.48E-07	2.01E-06	3.33E-06	1.10E-07
2383	742693.67	4106804.56	2.38E-05	4.34E-05	2.39E-06	3.70E-06	7.12E-06	3.58E-07	3.60E-06	6.13E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
2384	742738	4106813.84	2.48E-05	4.51E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.73E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
2385	742758.27	4106827.56	2.54E-05	4.62E-05	2.54E-06	3.93E-06	7.58E-06	3.81E-07	3.82E-06	6.52E-06	4.83E-07	2.17E-06	3.60E-06	1.19E-07
2386	742778.54	4106841.28	2.60E-05	4.73E-05	2.60E-06	4.03E-06	7.76E-06	3.90E-07	3.91E-06	6.67E-06	4.95E-07	2.22E-06	3.68E-06	1.22E-07
2387	742798.8	4106854.99	2.65E-05	4.84E-05	2.66E-06	4.12E-06	7.93E-06	3.98E-07	4.00E-06	6.82E-06	5.06E-07	2.27E-06	3.76E-06	1.25E-07
2388	742819.07	4106868.71	2.71E-05	4.94E-05	2.71E-06	4.21E-06	8.10E-06	4.07E-07	4.09E-06	6.97E-06	5.17E-07	2.32E-06	3.85E-06	1.27E-07
2389	742839.34	4106882.43	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.26E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
2390	742859.61	4106896.15	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
2391	742879.88	4106909.86	2.86E-05	5.22E-05	2.87E-06	4.44E-06	8.56E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
2392	742900.14	4106923.58	2.90E-05	5.29E-05	2.91E-06	4.50E-06	8.68E-06	4.36E-07	4.38E-06	7.47E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
2393	742920.41	4106937.3	2.94E-05	5.36E-05	2.94E-06	4.56E-06	8.78E-06	4.41E-07	4.43E-06	7.55E-06	5.60E-07	2.52E-06	4.17E-06	1.38E-07
2394	742940.68	4106951.02	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.86E-06	4.45E-07	4.47E-06	7.63E-06	5.65E-07	2.54E-06	4.21E-06	1.39E-07
2395	742960.95	4106964.74	2.99E-05	5.44E-05	2.99E-06	4.63E-06	8.93E-06	4.48E-07	4.51E-06	7.68E-06	5.69E-07	2.56E-06	4.24E-06	1.40E-07
2396	742981.21	4106978.45	3.00E-05	5.47E-05	3.00E-06	4.65E-06	8.97E-06	4.50E-07	4.53E-06	7.72E-06	5.72E-07	2.57E-06	4.26E-06	1.41E-07
2397	743001.48	4106992.17	3.01E-05	5.48E-05	3.01E-06	4.66E-06	8.98E-06	4.51E-07	4.53E-06	7.73E-06	5.73E-07	2.58E-06	4.26E-06	1.41E-07
2398	743021.75	4107005.89	3.00E-05	5.47E-05	3.01E-06	4.66E-06	8.98E-06	4.51E-07	4.53E-06	7.72E-06	5.73E-07	2.57E-06	4.26E-06	1.41E-07
2399	743042.02	4107019.61	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.95E-06	4.50E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
2400	743062.28	4107033.32	2.98E-05	5.44E-05	2.99E-06	4.63E-06	8.92E-06	4.48E-07	4.50E-06	7.67E-06	5.69E-07	2.56E-06	4.23E-06	1.40E-07
2401	743082.55	4107047.04	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.45E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.39E-07
2402	743102.82	4107060.76	2.95E-05	5.37E-05	2.95E-06	4.57E-06	8.81E-06	4.43E-07	4.45E-06	7.58E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
2403	743123.09	4107074.48	2.93E-05	5.34E-05	2.93E-06	4.54E-06	8.75E-06	4.40E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
2404	743143.36	4107088.19	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.70E-06	4.37E-07	4.39E-06	7.48E-06	5.55E-07	2.49E-06	4.13E-06	1.37E-07
2405	743163.62	4107101.91	2.90E-05	5.28E-05	2.90E-06	4.49E-06	8.65E-06	4.35E-07	4.37E-06	7.44E-06	5.52E-07	2.48E-06	4.11E-06	1.36E-07

2406	743183.89	4107115.63	2.88E-05	5.26E-05	2.89E-06	4.47E-06	8.62E-06	4.33E-07	4.35E-06	7.41E-06	5.50E-07	2.47E-06	4.09E-06	1.36E-07
2407	743204.16	4107129.35	2.88E-05	5.25E-05	2.88E-06	4.46E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.49E-07	2.47E-06	4.08E-06	1.35E-07
2408	743224.43	4107143.07	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.49E-07	2.47E-06	4.08E-06	1.35E-07
2409	743244.69	4107156.78	2.89E-05	5.26E-05	2.89E-06	4.48E-06	8.63E-06	4.34E-07	4.36E-06	7.43E-06	5.50E-07	2.48E-06	4.10E-06	1.36E-07
2410	743264.96	4107170.5	2.90E-05	5.29E-05	2.91E-06	4.50E-06	8.68E-06	4.36E-07	4.38E-06	7.47E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
2411	743285.23	4107184.22	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
2412	743305.5	4107197.94	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.60E-06	5.64E-07	2.53E-06	4.19E-06	1.39E-07
2413	743325.76	4107211.65	2.99E-05	5.46E-05	3.00E-06	4.64E-06	8.95E-06	4.49E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
2414	743346.03	4107225.37	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
2415	743366.3	4107239.09	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.21E-06	4.62E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
2416	743386.57	4107252.81	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.35E-06	4.70E-07	4.72E-06	8.04E-06	5.96E-07	2.68E-06	4.44E-06	1.47E-07
2417	743406.84	4107266.52	3.18E-05	5.79E-05	3.18E-06	4.93E-06	9.49E-06	4.77E-07	4.79E-06	8.17E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
2418	743427.1	4107280.24	3.23E-05	5.88E-05	3.23E-06	5.00E-06	9.64E-06	4.84E-07	4.87E-06	8.29E-06	6.15E-07	2.76E-06	4.57E-06	1.52E-07
2419	743447.37	4107293.96	3.27E-05	5.97E-05	3.28E-06	5.08E-06	9.78E-06	4.91E-07	4.94E-06	8.42E-06	6.24E-07	2.81E-06	4.64E-06	1.54E-07
2420	743467.64	4107307.68	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.92E-06	4.98E-07	5.01E-06	8.54E-06	6.33E-07	2.85E-06	4.71E-06	1.56E-07
2421	743487.91	4107321.4	3.37E-05	6.14E-05	3.37E-06	5.22E-06	1.01E-05	5.05E-07	5.08E-06	8.66E-06	6.42E-07	2.89E-06	4.77E-06	1.58E-07
2422	743508.17	4107335.11	3.41E-05	6.22E-05	3.42E-06	5.29E-06	1.02E-05	5.12E-07	5.15E-06	8.77E-06	6.50E-07	2.92E-06	4.84E-06	1.60E-07
2423	743528.44	4107348.83	3.46E-05	6.30E-05	3.46E-06	5.37E-06	1.03E-05	5.19E-07	5.22E-06	8.89E-06	6.59E-07	2.96E-06	4.91E-06	1.63E-07
2424	743548.71	4107362.55	3.51E-05	6.40E-05	3.51E-06	5.44E-06	1.05E-05	5.27E-07	5.29E-06	9.02E-06	6.69E-07	3.01E-06	4.98E-06	1.65E-07
2425	743568.98	4107376.27	3.56E-05	6.49E-05	3.56E-06	5.52E-06	1.06E-05	5.35E-07	5.37E-06	9.16E-06	6.79E-07	3.05E-06	5.05E-06	1.67E-07
2426	743589.24	4107389.98	3.61E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
2427	743609.51	4107403.7	3.67E-05	6.69E-05	3.67E-06	5.69E-06	1.10E-05	5.51E-07	5.54E-06	9.44E-06	7.00E-07	3.15E-06	5.21E-06	1.73E-07
2428	743629.78	4107417.42	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
2429	743650.05	4107431.14	3.80E-05	6.92E-05	3.80E-06	5.89E-06	1.13E-05	5.70E-07	5.73E-06	9.76E-06	7.24E-07	3.25E-06	5.39E-06	1.79E-07
2430	743670.32	4107444.85	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.80E-07	5.83E-06	9.94E-06	7.37E-07	3.31E-06	5.48E-06	1.82E-07
2431	743690.58	4107458.57	3.94E-05	7.17E-05	3.94E-06	6.10E-06	1.18E-05	5.91E-07	5.94E-06	1.01E-05	7.50E-07	3.37E-06	5.58E-06	1.85E-07
2432	743710.85	4107472.29	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.68E-06	1.88E-07
2433	743731.12	4107486.01	4.08E-05	7.44E-05	4.08E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
2434	743751.39	4107499.72	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.92E-07	3.56E-06	5.89E-06	1.95E-07
2435	743771.65	4107513.44	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.63E-06	6.00E-06	1.99E-07
2436	743791.92	4107527.16	4.31E-05	7.85E-05	4.31E-06	6.68E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.21E-07	3.69E-06	6.11E-06	2.02E-07
2437	743812.19	4107540.88	4.38E-05	7.98E-05	4.38E-06	6.79E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.75E-06	6.21E-06	2.06E-07
2438	743832.46	4107554.6	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
2439	743852.72	4107568.31	4.53E-05	8.26E-05	4.53E-06	7.03E-06	1.35E-05	6.80E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
2440	743872.99	4107582.03	4.61E-05	8.40E-05	4.61E-06	7.14E-06	1.38E-05	6.91E-07	6.95E-06	1.18E-05	8.78E-07	3.95E-06	6.53E-06	2.17E-07
2441	743893.26	4107595.75	4.68E-05	8.53E-05	4.68E-06	7.26E-06	1.40E-05	7.03E-07	7.06E-06	1.20E-05	8.92E-07	4.01E-06	6.64E-06	2.20E-07
2442	743913.53	4107609.47	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.18E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
2443	743933.79	4107623.18	4.84E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.26E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.86E-06	2.27E-07
2444	743954.06	4107636.9	4.91E-05	8.96E-05	4.92E-06	7.62E-06	1.47E-05	7.38E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.97E-06	2.31E-07
2445	743974.33	4107650.62	4.99E-05	9.10E-05	5.00E-06	7.74E-06	1.49E-05	7.49E-07	7.53E-06	1.28E-05	9.52E-07	4.28E-06	7.08E-06	2.35E-07
2446	743994.6	4107664.34	5.07E-05	9.25E-05	5.08E-06	7.87E-06	1.52E-05	7.62E-07	7.65E-06	1.30E-05	9.67E-07	4.35E-06	7.20E-06	2.38E-07
2447	744014.87	4107678.05	5.16E-05	9.40E-05	5.16E-06	8.00E-06	1.54E-05	7.74E-07	7.78E-06	1.33E-05	9.83E-07	4.42E-06	7.31E-06	2.42E-07
2448	744035.13	4107691.77	5.24E-05	9.54E-05	5.24E-06	8.12E-06	1.56E-05	7.86E-07	7.90E-06	1.35E-05	9.98E-07	4.49E-06	7.42E-06	2.46E-07
2449	744055.4	4107705.49	5.31E-05	9.68E-05	5.32E-06	8.24E-06	1.59E-05	7.98E-07	8.01E-06	1.37E-05	1.01E-06	4.55E-06	7.54E-06	2.50E-07
2450	744075.67	4107719.21	5.39E-05	9.82E-05	5.39E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
2451	744095.94	4107732.93	5.46E-05	9.95E-05	5.46E-06	8.47E-06	1.63E-05	8.19E-07	8.23E-06	1.40E-05	1.04E-06	4.68E-06	7.74E-06	2.57E-07
2452	744116.2	4107746.64	5.52E-05	1.01E-04	5.53E-06	8.57E-06	1.65E-05	8.29E-07	8.33E-06	1.42E-05	1.05E-06	4.73E-06	7.83E-06	2.60E-07
2453	744136.47	4107760.36	5.58E-05	1.02E-04	5.58E-06	8.66E-06	1.67E-05	8.38E-07	8.42E-06	1.43E-05	1.06E-06	4.78E-06	7.91E-06	2.62E-07
2454	744156.74	4107774.08	5.63E-05	1.03E-04	5.63E-06	8.73E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.82E-06	7.98E-06	2.65E-07
2455	744177.01	4107787.8	5.67E-05	1.03E-04	5.67E-06	8.79E-06	1.69E-05	8.50E-07	8.54E-06	1.46E-05	1.08E-06	4.86E-06	8.03E-06	2.66E-07
2456	744197.27	4107801.51	5.70E-05	1.04E-04	5.70E-06	8.84E-06	1.70E-05	8.55E-07	8.59E-06	1.46E-05	1.09E-06	4.88E-06	8.08E-06	2.68E-07
2457	744217.54	4107815.23	5.72E-05	1.04E-04	5.72E-06	8.87E-06	1.71E-05	8.58E-07	8.62E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
2458	744237.81	4107828.95	5.73E-05	1.04E-04	5.74E-06	8.89E-06	1.71E-05	8.60E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.69E-07
2459	744258.08	4107842.67	5.74E-05	1.05E-04	5.74E-06	8.90E-06	1.71E-05	8.61E-07	8.66E-06	1.48E-05	1.09E-06	4.92E-06	8.14E-06	2.70E-07
2460	744278.35	4107856.38	5.74E-05	1.05E-04	5.75E-06	8.91E-06	1.72E-05	8.62E-07	8.66E-06	1.48E-05	1.09E-06	4.92E-06	8.14E-06	2.70E-07
2461	744298.61	4107870.1	5.75E-05	1.05E-04	5.75E-06	8.91E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.15E-06	2.70E-07
2462	744318.88	4107883.82	5.75E-05	1.05E-04	5.76E-06	8.92E-06	1.72E-05	8.64E-07	8.68E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.70E-07
2463	744339.15	4107897.54	5.76E-05	1.05E-04	5.77E-06	8.94E-06	1.72E-05	8.65E-07	8.69E-06	1.48E-05	1.10E-06	4.94E-06	8.17E-06	2.71E-07
2464	744359.42	4107911.26	5.78E-05	1.05E-04	5.78E-06	8.96E-06	1.73E-05	8.67E-07	8.71E-06	1.48E-05	1.10E-06	4.95E-06	8.19E-06	2.71E-07
2465	744379.68	4107924.97	5.80E-05	1.06E-04	5.80E-06	8.99E-06	1.73E-05	8.70E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.22E-06	2.73E-07
2466	744399.95	4107938.69	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
2467	744420.22	4107952.41	5.87E-05	1.07E-04	5.87E-06	9.10E-06	1.75E-05	8.81E-07	8.85E-06	1.51E-05	1.12E-06	5.03E-06	8.32E-06	2.76E-07
2468	744440.49	4107966.13	5.92E-05	1.08E-04	5.92E-06	9.18E-06	1.77E-05	8.88E-07	8.93E-06	1.52E-05	1.13E-06	5.07E-06	8.39E-06	2.78E-07
2469	744460.75	4107979.84	5.97E-05	1.09E-04	5.98E-06	9.26E-06	1.78E-05	8.96E-07	9.01E-06	1.54E-05	1.14E-06	5.12E-06	8.47E-06	2.81E-07
2470	744481.02	4107993.56	6.03E-05	1.10E-04	6.03E-06	9.35E-06	1.80E-05	9.05E-07	9.10E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.83E-07
2471	744501.29	4108007.28	6.09E-05	1.11E-04	6.10E-06	9.45E-06	1.82E-05	9.14E-07	9.19E-06	1.57E-05	1.16E-06	5.22E-06	8.64E-06	2.86E-07
2472	744521.56	4108021	6.16E-05	1.12E-04	6.16E-06	9.55E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.28E-06	8.73E-06	2.89E-07
2473	744541.83	4108034.71	6.22E-05	1.13E-04	6.22E-06	9.64E-06	1.86E-05	9.33E-07	9.37E-06	1.60E-05	1.18E-06	5.33E-06	8.81E-06	2.92E-07
2474	744562.09	4108048.43	6.27E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.42E-07	9.46E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
2475	744582.36	4108062.15	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
2476	744602.63	4108075.87	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
2477	744622.9	4108089.59	6.41E-05	1.17E-04	6.41E-06	9.94E-06	1.91E-05	9.62E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
2478	744643.16	4108103.3	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.70E-06	1.65E-05	1.23E-06	5.51E-06	9.13E-06	3.02E-07

2479	740407.21	4107226.08	1.78E-05	3.24E-05	1.78E-06	2.76E-06	5.31E-06	2.67E-07	2.68E-06	4.57E-06	3.39E-07	1.52E-06	2.52E-06	8.35E-08
2480	740386.57	4107239.34	1.80E-05	3.27E-05	1.80E-06	2.78E-06	5.36E-06	2.69E-07	2.71E-06	4.61E-06	3.42E-07	1.54E-06	2.55E-06	8.44E-08
2481	740365.93	4107252.6	1.82E-05	3.31E-05	1.82E-06	2.82E-06	5.43E-06	2.73E-07	2.74E-06	4.67E-06	3.46E-07	1.56E-06	2.58E-06	8.54E-08
2482	740345.3	4107265.85	1.84E-05	3.36E-05	1.84E-06	2.86E-06	5.51E-06	2.77E-07	2.78E-06	4.74E-06	3.51E-07	1.58E-06	2.61E-06	8.66E-08
2483	740324.66	4107279.11	1.87E-05	3.41E-05	1.87E-06	2.90E-06	5.59E-06	2.81E-07	2.82E-06	4.81E-06	3.57E-07	1.60E-06	2.65E-06	8.80E-08
2484	740304.02	4107292.37	1.90E-05	3.47E-05	1.90E-06	2.95E-06	5.69E-06	2.86E-07	2.87E-06	4.89E-06	3.63E-07	1.63E-06	2.70E-06	8.94E-08
2485	740283.38	4107305.62	1.94E-05	3.53E-05	1.94E-06	3.00E-06	5.78E-06	2.90E-07	2.92E-06	4.98E-06	3.69E-07	1.66E-06	2.74E-06	9.10E-08
2486	741943.03	4109938.39	1.48E-02	2.70E-02	1.48E-03	2.30E-03	4.43E-03	2.23E-04	2.24E-03	3.81E-03	2.83E-04	1.27E-03	2.10E-03	6.97E-05
2487	741960.55	4109963.31	1.93E-02	3.52E-02	1.93E-03	2.99E-03	5.77E-03	2.90E-04	2.91E-03	4.96E-03	3.68E-04	1.65E-03	2.74E-03	9.08E-05
2488	741977.05	4109990.24	2.15E-02	3.93E-02	2.16E-03	3.34E-03	6.44E-03	3.23E-04	3.25E-03	5.54E-03	4.11E-04	1.85E-03	3.06E-03	1.01E-04
2489	741913.25	4109921.94	7.82E-03	1.43E-02	7.83E-04	1.21E-03	2.34E-03	1.17E-04	1.18E-03	2.01E-03	1.49E-04	6.70E-04	1.11E-03	3.68E-05
2490	741934.39	4109952.35	1.86E-02	3.40E-02	1.86E-03	2.89E-03	5.57E-03	2.80E-04	2.81E-03	4.79E-03	3.55E-04	1.60E-03	2.64E-03	8.76E-05
2491	741957.94	4109988.34	2.21E-02	4.02E-02	2.21E-03	3.42E-03	6.59E-03	3.31E-04	3.33E-03	5.67E-03	4.21E-04	1.89E-03	3.13E-03	1.04E-04
2492	741892.15	4109935.35	7.45E-03	1.36E-02	7.46E-04	1.16E-03	2.23E-03	1.12E-04	1.12E-03	1.92E-03	1.42E-04	6.39E-04	1.06E-03	3.50E-05
2493	741896.42	4109882.11	3.87E-03	7.05E-03	3.87E-04	6.00E-04	1.16E-03	5.81E-05	5.83E-04	9.94E-04	7.37E-05	3.31E-04	5.48E-04	1.82E-05
2494	741871.05	4109948.76	7.17E-03	1.31E-02	7.17E-04	1.11E-03	2.14E-03	1.08E-04	1.08E-03	1.84E-03	1.37E-04	6.14E-04	1.02E-03	3.37E-05
2495	741864.42	4109911.18	4.15E-03	7.57E-03	4.16E-04	6.44E-04	1.24E-03	6.23E-05	6.26E-04	1.07E-03	7.92E-05	3.56E-04	5.89E-04	1.95E-05
2496	741872	4109876.74	3.11E-03	5.68E-03	3.12E-04	4.83E-04	9.31E-04	4.68E-05	4.70E-04	8.01E-04	5.94E-05	2.67E-04	4.42E-04	1.46E-05
2497	741828.86	4109975.59	6.41E-03	1.17E-02	6.41E-04	9.93E-04	1.91E-03	9.61E-05	9.66E-04	1.65E-03	1.22E-04	5.49E-04	9.08E-04	3.01E-05
2498	741822.22	4109938.01	3.93E-03	7.17E-03	3.93E-04	6.10E-04	1.17E-03	5.90E-05	5.93E-04	1.01E-03	7.49E-05	3.37E-04	5.58E-04	1.85E-05
2499	741815.59	4109900.43	2.76E-03	5.02E-03	2.76E-04	4.28E-04	8.24E-04	4.14E-05	4.16E-04	7.09E-04	5.25E-05	2.36E-04	3.91E-04	1.30E-05
2500	741823.17	4109865.98	2.21E-03	4.02E-03	2.21E-04	3.42E-04	6.59E-04	3.31E-05	3.33E-04	5.67E-04	4.20E-05	1.89E-04	3.13E-04	1.04E-05
2501	741844.98	4109834.67	1.88E-03	3.42E-03	1.88E-04	2.91E-04	5.61E-04	2.82E-05	2.83E-04	4.82E-04	3.58E-05	1.61E-04	2.66E-04	8.82E-06
2502	741773.39	4109927.26	2.70E-03	4.92E-03	2.70E-04	4.19E-04	8.07E-04	4.05E-05	4.07E-04	6.94E-04	5.15E-05	2.31E-04	3.83E-04	1.27E-05
2503	741766.76	4109889.68	2.03E-03	3.70E-03	2.03E-04	3.15E-04	6.06E-04	3.04E-05	3.06E-04	5.21E-04	3.87E-05	1.74E-04	2.88E-04	9.53E-06
2504	741774.34	4109855.23	1.68E-03	3.07E-03	1.68E-04	2.61E-04	5.03E-04	2.53E-05	2.54E-04	4.33E-04	3.21E-05	1.44E-04	2.39E-04	7.91E-06
2505	741796.15	4109823.91	1.47E-03	2.68E-03	1.47E-04	2.28E-04	4.39E-04	2.21E-05	2.22E-04	3.78E-04	2.80E-05	1.26E-04	2.09E-04	6.91E-06
2506	741817.96	4109792.6	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.75E-04	1.88E-05	1.89E-04	3.23E-04	2.39E-05	1.08E-04	1.78E-04	5.90E-06
2507	741801.43	4110039.2	7.18E-03	1.31E-02	7.18E-04	1.11E-03	2.14E-03	1.08E-04	1.08E-03	1.84E-03	1.37E-04	6.15E-04	1.02E-03	3.37E-05
2508	741824.31	4110075.2	8.38E-03	1.53E-02	8.38E-04	1.30E-03	2.50E-03	1.26E-04	1.26E-03	2.15E-03	1.60E-04	7.18E-04	1.19E-03	3.94E-05
2509	741744.1	4110027.15	3.87E-03	7.06E-03	3.88E-04	6.01E-04	1.16E-03	5.81E-05	5.84E-04	9.96E-04	7.38E-05	3.32E-04	5.49E-04	1.82E-05
2510	741736.73	4109985.4	3.18E-03	5.80E-03	3.18E-04	4.93E-04	9.51E-04	4.78E-05	4.80E-04	8.18E-04	6.06E-05	2.73E-04	4.51E-04	1.50E-05
2511	741729.36	4109943.64	2.42E-03	4.40E-03	2.42E-04	3.75E-04	7.22E-04	3.63E-05	3.65E-04	6.21E-04	4.61E-05	2.07E-04	3.43E-04	1.14E-05
2512	741726.73	4109842.74	1.34E-03	2.44E-03	1.34E-04	2.08E-04	4.00E-04	2.01E-05	2.02E-04	3.44E-04	2.55E-05	1.15E-04	1.90E-04	6.29E-06
2513	741750.96	4109807.94	1.18E-03	2.14E-03	1.18E-04	1.82E-04	3.51E-04	1.76E-05	1.77E-04	3.02E-04	2.24E-05	1.01E-04	1.67E-04	5.53E-06
2514	741775.19	4109773.15	9.99E-04	1.82E-03	1.00E-04	1.55E-04	2.99E-04	1.50E-05	1.51E-04	2.57E-04	1.90E-05	8.56E-05	1.42E-04	4.70E-06
2515	741799.42	4109738.35	8.57E-04	1.56E-03	8.58E-05	1.33E-04	2.56E-04	1.29E-05	1.29E-04	2.20E-04	1.63E-05	7.35E-05	1.22E-04	4.03E-06
2516	741759.23	4110066.03	4.44E-03	8.09E-03	4.44E-04	6.89E-04	1.33E-03	6.66E-05	6.70E-04	1.14E-03	8.46E-05	3.81E-04	6.30E-04	2.09E-05
2517	741782.12	4110102.02	4.81E-03	8.76E-03	4.81E-04	7.45E-04	1.44E-03	7.21E-05	7.25E-04	1.24E-03	9.16E-05	4.12E-04	6.82E-04	2.26E-05
2518	741701.98	4110054.36	2.89E-03	5.27E-03	2.90E-04	4.49E-04	8.65E-04	4.34E-05	4.36E-04	7.44E-04	5.51E-05	2.48E-04	4.10E-04	1.36E-05
2519	741694.74	4110013.36	2.69E-03	4.89E-03	2.69E-04	4.16E-04	8.02E-04	4.03E-05	4.05E-04	6.90E-04	5.12E-05	2.30E-04	3.81E-04	1.26E-05
2520	741687.5	4109972.37	2.28E-03	4.15E-03	2.28E-04	3.53E-04	6.81E-04	3.42E-05	3.44E-04	5.86E-04	4.34E-05	1.95E-04	3.23E-04	1.07E-05
2521	741680.26	4109931.37	1.83E-03	3.33E-03	1.83E-04	2.84E-04	5.46E-04	2.75E-05	2.76E-04	4.70E-04	3.49E-05	1.57E-04	2.59E-04	8.60E-06
2522	741673.02	4109890.38	1.44E-03	2.62E-03	1.44E-04	2.23E-04	4.29E-04	2.15E-05	2.16E-04	3.69E-04	2.74E-05	1.23E-04	2.04E-04	6.75E-06
2523	741701.47	4109798.14	9.92E-04	1.81E-03	9.93E-05	1.54E-04	2.96E-04	1.49E-05	1.50E-04	2.55E-04	1.89E-05	8.50E-05	1.41E-04	4.66E-06
2524	741725.26	4109763.97	8.63E-04	1.57E-03	8.63E-05	1.34E-04	2.58E-04	1.30E-05	1.30E-04	2.22E-04	1.64E-05	7.39E-05	1.22E-04	4.06E-06
2525	741749.05	4109729.81	7.42E-04	1.35E-03	7.42E-05	1.15E-04	2.22E-04	1.11E-05	1.12E-04	1.91E-04	1.41E-05	6.36E-05	1.05E-04	3.49E-06
2526	741772.84	4109695.65	6.55E-04	1.19E-03	6.55E-05	1.02E-04	1.96E-04	9.82E-06	9.87E-05	1.68E-04	1.25E-05	5.61E-05	9.28E-05	3.08E-06
2527	741717.04	4110092.86	3.06E-03	5.57E-03	3.06E-04	4.74E-04	9.13E-04	4.59E-05	4.61E-04	7.86E-04	5.82E-05	2.62E-04	4.33E-04	1.44E-05
2528	741739.92	4110128.85	3.17E-03	5.77E-03	3.17E-04	4.91E-04	9.46E-04	4.75E-05	4.77E-04	8.14E-04	6.03E-05	2.71E-04	4.49E-04	1.49E-05
2529	741617.67	4110108.47	1.72E-03	3.13E-03	1.72E-04	2.67E-04	5.13E-04	2.58E-05	2.59E-04	4.42E-04	3.28E-05	1.47E-04	2.44E-04	8.08E-06
2530	741610.59	4110068.38	1.76E-03	3.21E-03	1.76E-04	2.73E-04	5.26E-04	2.64E-05	2.66E-04	4.53E-04	3.36E-05	1.51E-04	2.50E-04	8.28E-06
2531	741603.51	4110028.3	1.72E-03	3.14E-03	1.72E-04	2.67E-04	5.15E-04	2.59E-05	2.60E-04	4.43E-04	3.28E-05	1.48E-04	2.44E-04	8.09E-06
2532	741596.43	4109988.21	1.59E-03	2.89E-03	1.59E-04	2.46E-04	4.74E-04	2.38E-05	2.39E-04	4.08E-04	3.02E-05	1.36E-04	2.25E-04	7.46E-06
2533	741589.35	4109948.13	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.17E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.57E-06
2534	741582.28	4109908.04	1.19E-03	2.16E-03	1.19E-04	1.84E-04	3.54E-04	1.78E-05	1.79E-04	3.05E-04	2.26E-05	1.02E-04	1.68E-04	5.57E-06
2535	741575.2	4109867.96	9.86E-04	1.80E-03	9.87E-05	1.53E-04	2.95E-04	1.48E-05	1.49E-04	2.53E-04	1.88E-05	8.45E-05	1.40E-04	4.63E-06
2536	741579.75	4109811.17	7.93E-04	1.44E-03	7.93E-05	1.23E-04	2.37E-04	1.19E-05	1.20E-04	2.04E-04	1.51E-05	6.79E-05	1.12E-04	3.73E-06
2537	741603.01	4109777.77	7.29E-04	1.33E-03	7.29E-05	1.13E-04	2.18E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.25E-05	1.03E-04	3.43E-06
2538	741649.54	4109710.96	5.89E-04	1.07E-03	5.89E-05	9.14E-05	1.76E-04	8.84E-06	8.88E-05	1.51E-04	1.12E-05	5.05E-05	8.35E-05	2.77E-06
2539	741672.8	4109677.56	5.19E-04	9.46E-04	5.19E-05	8.05E-05	1.55E-04	7.79E-06	7.83E-05	1.33E-04	9.89E-06	4.45E-05	7.36E-05	2.44E-06
2540	741696.06	4109644.16	4.65E-04	8.48E-04	4.65E-05	7.21E-05	1.39E-04	6.98E-06	7.02E-05	1.20E-04	8.86E-06	3.99E-05	6.60E-05	2.19E-06
2541	741719.32	4109610.75	4.28E-04	7.80E-04	4.29E-05	6.64E-05	1.28E-04	6.43E-06	6.46E-05	1.10E-04	8.16E-06	3.67E-05	6.07E-05	2.01E-06
2542	741632.65	4110146.51	1.70E-03	3.09E-03	1.70E-04	2.63E-04	5.07E-04	2.55E-05	2.56E-04	4.36E-04	3.24E-05	1.45E-04	2.41E-04	7.98E-06
2543	741655.53	4110182.5	1.71E-03	3.11E-03	1.71E-04	2.65E-04	5.10E-04	2.56E-05	2.57E-04	4.38E-04	3.25E-05	1.46E-04	2.42E-04	8.02E-06
2544	741533.13	4110161.29	1.11E-03	2.03E-03	1.12E-04	1.73E-04	3.33E-04	1.67E-05	1.68E-04	2.87E-04	2.12E-05	9.55E-05	1.58E-04	5.24E-06
2545	741525.76	4110119.53	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.53E-04	1.77E-05	1.78E-04	3.04E-04	2.25E-05	1.01E-04	1.67E-04	5.55E-06
2546	741518.39	4110077.78	1.22E-03	2.23E-03	1.22E-04	1.90E-04	3.65E-04	1.84E-05	1.84E-04	3.14E-04	2.33E-05	1.05E-04	1.73E-04	5.75E-06
2547	741511.01	4110036.02	1.21E-03	2.21E-03	1.21E-04	1.88E-04	3.62E-04	1.82E-05	1.83E-04	3.11E-04	2.31E-05	1.04E-04	1.72E-04	5.69E-06
2548	741503.64	4109994.27	1.14E-03	2.08E-03	1.14E-04	1.77E-04	3.41E-04	1.71E-05	1.72E-04	2.93E-04	2.17E-05	9.78E-05	1.62E-04	5.36E-06
2549	741496.27	4109952.51	1.04E-03	1.89E-03	1.04E-04	1.61E-04	3.10E-04	1.56E-05	1.57E-04	2.67E-04	1.98E-05	8.89E-05	1.47E-04	4.88E-06
2550	741488.89	4109910.76	9.19E-04	1.67E-03	9.19E-05	1.42E-04	2.74E-04	1.38E-05	1.39E-04	2.36E-04	1.75E-05	7.87E-05	1.30E-04	4.32E-06
2551	741481.52	4109869	7.97E-04	1.45E-03	7.97E-05	1.24E-04	2.38E-04	1.20E-05	1.20E-04	2.05E-04	1.52E-05	6.83E-05	1.13E-04	3.74E-06

2552	741474.15	4109827.25	6.86E-04	1.25E-03	6.86E-05	1.06E-04	2.05E-04	1.03E-05	1.03E-04	1.76E-04	1.31E-05	5.88E-05	9.72E-05	3.22E-06
2553	741482.58	4109788.97	6.13E-04	1.12E-03	6.13E-05	9.50E-05	1.83E-04	9.19E-06	9.24E-05	1.57E-04	1.17E-05	5.25E-05	8.69E-05	2.88E-06
2554	741506.81	4109754.18	5.62E-04	1.02E-03	5.62E-05	8.71E-05	1.68E-04	8.43E-06	8.47E-05	1.44E-04	1.07E-05	4.81E-05	7.96E-05	2.64E-06
2555	741531.04	4109719.38	5.11E-04	9.30E-04	5.11E-05	7.92E-05	1.53E-04	7.66E-06	7.70E-05	1.31E-04	9.73E-06	4.38E-05	7.24E-05	2.40E-06
2556	741555.27	4109684.58	4.64E-04	8.45E-04	4.64E-05	7.19E-05	1.39E-04	6.96E-06	6.99E-05	1.19E-04	8.84E-06	3.97E-05	6.57E-05	2.18E-06
2557	741603.73	4109614.99	3.77E-04	6.86E-04	3.77E-05	5.84E-05	1.13E-04	5.65E-06	5.68E-05	9.68E-05	7.18E-06	3.23E-05	5.34E-05	1.77E-06
2558	741627.96	4109580.2	3.43E-04	6.25E-04	3.43E-05	5.32E-05	1.03E-04	5.15E-06	5.18E-05	8.82E-05	6.54E-06	2.94E-05	4.87E-05	1.61E-06
2559	741652.19	4109545.4	3.20E-04	5.83E-04	3.20E-05	4.96E-05	9.55E-05	4.80E-06	4.82E-05	8.22E-05	6.09E-06	2.74E-05	4.53E-05	1.50E-06
2560	741548.26	4110200.16	1.09E-03	1.98E-03	1.09E-04	1.69E-04	3.25E-04	1.63E-05	1.64E-04	2.80E-04	2.07E-05	9.32E-05	1.54E-04	5.11E-06
2561	741571.15	4110236.16	1.10E-03	2.01E-03	1.10E-04	1.71E-04	3.29E-04	1.65E-05	1.66E-04	2.83E-04	2.10E-05	9.43E-05	1.56E-04	5.17E-06
2562	741448.81	4110215.32	7.80E-04	1.42E-03	7.81E-05	1.21E-04	2.33E-04	1.17E-05	1.18E-04	2.01E-04	1.49E-05	6.69E-05	1.11E-04	3.67E-06
2563	741441.57	4110174.32	8.25E-04	1.50E-03	8.25E-05	1.28E-04	2.46E-04	1.24E-05	1.24E-04	2.12E-04	1.57E-05	7.07E-05	1.17E-04	3.88E-06
2564	741434.33	4110133.33	8.77E-04	1.60E-03	8.77E-05	1.36E-04	2.62E-04	1.32E-05	1.32E-04	2.25E-04	1.67E-05	7.51E-05	1.24E-04	4.12E-06
2565	741427.09	4110092.33	9.15E-04	1.67E-03	9.15E-05	1.42E-04	2.73E-04	1.37E-05	1.38E-04	2.35E-04	1.74E-05	7.84E-05	1.30E-04	4.30E-06
2566	741419.85	4110051.33	9.18E-04	1.67E-03	9.18E-05	1.42E-04	2.74E-04	1.38E-05	1.38E-04	2.36E-04	1.75E-05	7.86E-05	1.30E-04	4.31E-06
2567	741412.61	4110010.34	8.81E-04	1.61E-03	8.82E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.27E-04	1.68E-05	7.55E-05	1.25E-04	4.14E-06
2568	741405.38	4109969.34	8.21E-04	1.50E-03	8.22E-05	1.27E-04	2.45E-04	1.23E-05	1.24E-04	2.11E-04	1.56E-05	7.04E-05	1.16E-04	3.86E-06
2569	741398.14	4109928.35	7.53E-04	1.37E-03	7.53E-05	1.17E-04	2.25E-04	1.13E-05	1.13E-04	1.93E-04	1.43E-05	6.45E-05	1.07E-04	3.54E-06
2570	741390.9	4109887.35	6.81E-04	1.24E-03	6.82E-05	1.06E-04	2.04E-04	1.02E-05	1.03E-04	1.75E-04	1.30E-05	5.84E-05	9.66E-05	3.20E-06
2571	741383.66	4109846.36	6.10E-04	1.11E-03	6.11E-05	9.46E-05	1.82E-04	9.16E-06	9.20E-05	1.57E-04	1.16E-05	5.23E-05	8.65E-05	2.87E-06
2572	741376.42	4109805.36	5.43E-04	9.89E-04	5.43E-05	8.42E-05	1.62E-04	8.15E-06	8.19E-05	1.40E-04	1.03E-05	4.65E-05	7.70E-05	2.55E-06
2573	741384.7	4109767.78	4.96E-04	9.03E-04	4.96E-05	7.69E-05	1.48E-04	7.44E-06	7.47E-05	1.27E-04	9.44E-06	4.25E-05	7.03E-05	2.33E-06
2574	741408.49	4109733.62	4.59E-04	8.37E-04	4.59E-05	7.12E-05	1.37E-04	6.89E-06	6.92E-05	1.18E-04	8.75E-06	3.93E-05	6.51E-05	2.16E-06
2575	741432.28	4109699.45	4.18E-04	7.62E-04	4.18E-05	6.49E-05	1.25E-04	6.28E-06	6.31E-05	1.08E-04	7.97E-06	3.58E-05	5.93E-05	1.97E-06
2576	741456.07	4109665.29	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.73E-05	9.76E-05	7.24E-06	3.25E-05	5.39E-05	1.78E-06
2577	741479.86	4109631.13	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.95E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
2578	741503.65	4109596.97	3.21E-04	5.85E-04	3.21E-05	4.98E-05	9.58E-05	4.82E-06	4.84E-05	8.25E-05	6.11E-06	2.75E-05	4.55E-05	1.51E-06
2579	741551.23	4109528.64	2.74E-04	4.99E-04	2.74E-05	4.25E-05	8.19E-05	4.11E-06	4.13E-05	7.04E-05	5.22E-06	2.35E-05	3.88E-05	1.29E-06
2580	741575.02	4109494.48	2.57E-04	4.68E-04	2.57E-05	3.98E-05	7.68E-05	3.86E-06	3.87E-05	6.60E-05	4.90E-06	2.20E-05	3.64E-05	1.21E-06
2581	741598.81	4109460.32	2.43E-04	4.44E-04	2.44E-05	3.78E-05	7.27E-05	3.65E-06	3.67E-05	6.26E-05	4.64E-06	2.09E-05	3.45E-05	1.14E-06
2582	741463.87	4110253.81	7.70E-04	1.40E-03	7.71E-05	1.19E-04	2.30E-04	1.16E-05	1.16E-04	1.98E-04	1.47E-05	6.60E-05	1.09E-04	3.62E-06
2583	741486.76	4110289.81	7.85E-04	1.43E-03	7.85E-05	1.22E-04	2.34E-04	1.18E-05	1.18E-04	2.02E-04	1.50E-05	6.72E-05	1.11E-04	3.69E-06
2584	741364.47	4110269.23	5.86E-04	1.07E-03	5.87E-05	9.09E-05	1.75E-04	8.80E-06	8.84E-05	1.51E-04	1.12E-05	5.02E-05	8.31E-05	2.75E-06
2585	741357.32	4110228.76	6.09E-04	1.11E-03	6.10E-05	9.45E-05	1.82E-04	9.14E-06	9.19E-05	1.57E-04	1.16E-05	5.22E-05	8.64E-05	2.86E-06
2586	741350.18	4110188.29	6.45E-04	1.17E-03	6.45E-05	1.00E-04	1.93E-04	9.67E-06	9.72E-05	1.66E-04	1.23E-05	5.52E-05	9.14E-05	3.03E-06
2587	741343.03	4110147.82	6.86E-04	1.25E-03	6.86E-05	1.06E-04	2.05E-04	1.03E-05	1.03E-04	1.76E-04	1.31E-05	5.88E-05	9.73E-05	3.22E-06
2588	741335.88	4110107.35	7.19E-04	1.31E-03	7.19E-05	1.11E-04	2.15E-04	1.08E-05	1.08E-04	1.85E-04	1.37E-05	6.16E-05	1.02E-04	3.38E-06
2589	741328.74	4110066.88	7.27E-04	1.33E-03	7.28E-05	1.13E-04	2.17E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.23E-05	1.03E-04	3.42E-06
2590	741321.59	4110026.41	7.07E-04	1.29E-03	7.07E-05	1.10E-04	2.11E-04	1.06E-05	1.07E-04	1.82E-04	1.35E-05	6.06E-05	1.00E-04	3.32E-06
2591	741314.44	4109985.94	6.67E-04	1.21E-03	6.67E-05	1.03E-04	1.99E-04	1.00E-05	1.01E-04	1.71E-04	1.27E-05	5.71E-05	9.45E-05	3.13E-06
2592	741307.3	4109945.47	6.20E-04	1.13E-03	6.21E-05	9.62E-05	1.85E-04	9.31E-06	9.36E-05	1.59E-04	1.18E-05	5.32E-05	8.80E-05	2.92E-06
2593	741300.15	4109905	5.75E-04	1.05E-03	5.75E-05	8.92E-05	1.72E-04	8.63E-06	8.67E-05	1.48E-04	1.10E-05	4.93E-05	8.15E-05	2.70E-06
2594	741293.01	4109864.53	5.31E-04	9.67E-04	5.31E-05	8.23E-05	1.59E-04	7.97E-06	8.01E-05	1.36E-04	1.01E-05	4.55E-05	7.53E-05	2.49E-06
2595	741285.86	4109824.06	4.87E-04	8.87E-04	4.87E-05	7.55E-05	1.45E-04	7.31E-06	7.34E-05	1.25E-04	9.28E-06	4.17E-05	6.90E-05	2.29E-06
2596	741278.71	4109783.59	4.43E-04	8.08E-04	4.44E-05	6.88E-05	1.32E-04	6.66E-06	6.69E-05	1.14E-04	8.45E-06	3.80E-05	6.29E-05	2.08E-06
2597	741286.88	4109746.49	4.12E-04	7.50E-04	4.12E-05	6.38E-05	1.23E-04	6.18E-06	6.21E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.93E-06
2598	741310.37	4109712.77	3.86E-04	7.04E-04	3.87E-05	5.99E-05	1.15E-04	5.80E-06	5.83E-05	9.93E-05	7.36E-06	3.31E-05	5.48E-05	1.82E-06
2599	741333.85	4109679.04	3.55E-04	6.47E-04	3.55E-05	5.51E-05	1.06E-04	5.33E-06	5.36E-05	9.13E-05	6.77E-06	3.04E-05	5.04E-05	1.67E-06
2600	741357.34	4109645.32	3.23E-04	5.88E-04	3.23E-05	5.00E-05	9.64E-05	4.84E-06	4.87E-05	8.29E-05	6.15E-06	2.76E-05	4.57E-05	1.52E-06
2601	741380.82	4109611.59	2.94E-04	5.36E-04	2.94E-05	4.56E-05	8.78E-05	4.41E-06	4.43E-05	7.55E-05	5.60E-06	2.52E-05	4.17E-05	1.38E-06
2602	741404.31	4109577.87	2.71E-04	4.95E-04	2.72E-05	4.21E-05	8.11E-05	4.07E-06	4.09E-05	6.98E-05	5.17E-06	2.33E-05	3.85E-05	1.28E-06
2603	741427.79	4109544.14	2.54E-04	4.62E-04	2.54E-05	3.94E-05	7.58E-05	3.81E-06	3.83E-05	6.52E-05	4.84E-06	2.17E-05	3.60E-05	1.19E-06
2604	741451.28	4109510.42	2.38E-04	4.35E-04	2.39E-05	3.70E-05	7.12E-05	3.58E-06	3.60E-05	6.13E-05	4.54E-06	2.04E-05	3.38E-05	1.12E-06
2605	741498.25	4109442.97	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.20E-06	3.21E-05	5.47E-05	4.06E-06	1.82E-05	3.02E-05	1.00E-06
2606	741521.74	4109409.25	2.03E-04	3.70E-04	2.03E-05	3.15E-05	6.06E-05	3.04E-06	3.06E-05	5.21E-05	3.87E-06	1.74E-05	2.88E-05	9.53E-07
2607	741545.22	4109375.52	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.11E-07
2608	741379.48	4110307.47	5.85E-04	1.07E-03	5.85E-05	9.06E-05	1.75E-04	8.77E-06	8.81E-05	1.50E-04	1.11E-05	5.01E-05	8.29E-05	2.75E-06
2609	741402.37	4110343.46	5.97E-04	1.09E-03	5.97E-05	9.25E-05	1.78E-04	8.96E-06	9.00E-05	1.53E-04	1.14E-05	5.11E-05	8.46E-05	2.80E-06
2610	741195.65	4110376.28	3.78E-04	6.89E-04	3.78E-05	5.86E-05	1.13E-04	5.67E-06	5.70E-05	9.72E-05	7.20E-06	3.24E-05	5.36E-05	1.78E-06
2611	741188.41	4110335.28	3.85E-04	7.01E-04	3.85E-05	5.97E-05	1.15E-04	5.77E-06	5.80E-05	9.89E-05	7.33E-06	3.30E-05	5.45E-05	1.81E-06
2612	741181.17	4110294.28	3.96E-04	7.21E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.54E-06	3.39E-05	5.61E-05	1.86E-06
2613	741173.93	4110253.29	4.14E-04	7.54E-04	4.14E-05	6.41E-05	1.24E-04	6.21E-06	6.24E-05	1.06E-04	7.88E-06	3.54E-05	5.86E-05	1.94E-06
2614	741166.69	4110212.29	4.39E-04	8.00E-04	4.39E-05	6.81E-05	1.31E-04	6.59E-06	6.62E-05	1.13E-04	8.36E-06	3.76E-05	6.22E-05	2.06E-06
2615	741159.45	4110171.3	4.68E-04	8.52E-04	4.68E-05	7.25E-05	1.40E-04	7.02E-06	7.05E-05	1.20E-04	8.91E-06	4.01E-05	6.63E-05	2.20E-06
2616	741152.21	4110130.3	4.91E-04	8.95E-04	4.91E-05	7.62E-05	1.47E-04	7.37E-06	7.41E-05	1.26E-04	9.36E-06	4.21E-05	6.96E-05	2.31E-06
2617	741144.97	4110089.31	5.00E-04	9.11E-04	5.00E-05	7.75E-05	1.49E-04	7.50E-06	7.54E-05	1.28E-04	9.53E-06	4.28E-05	7.09E-05	2.35E-06
2618	741137.73	4110048.31	4.90E-04	8.93E-04	4.91E-05	7.60E-05	1.46E-04	7.36E-06	7.39E-05	1.26E-04	9.34E-06	4.20E-05	6.95E-05	2.30E-06
2619	741130.49	4110007.31	4.67E-04	8.50E-04	4.67E-05	7.24E-05	1.39E-04	7.00E-06	7.04E-05	1.20E-04	8.89E-06	4.00E-05	6.62E-05	2.19E-06
2620	741123.25	4109966.32	4.37E-04	7.97E-04	4.38E-05	6.78E-05	1.31E-04	6.57E-06	6.60E-05	1.12E-04	8.34E-06	3.75E-05	6.20E-05	2.06E-06
2621	741116.02	4109925.32	4.10E-04	7.47E-04	4.10E-05	6.36E-05	1.22E-04	6.15E-06	6.18E-05	1.05E-04	7.81E-06	3.51E-05	5.81E-05	1.93E-06
2622	741108.78	4109884.33	3.87E-04	7.05E-04	3.87E-05	6.00E-05	1.16E-04	5.81E-06	5.83E-05	9.94E-05	7.37E-06	3.31E-05	5.48E-05	1.82E-06
2623	741101.54	4109843.33	3.67E-04	6.69E-04	3.67E-05	5.69E-05	1.10E-04	5.51E-06	5.53E-05	9.43E-05	6.99E-06	3.14E-05	5.20E-05	1.72E-06
2624	741094.3	4109802.33	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.94E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06

2625	741087.06	4109761.34	3.28E-04	5.97E-04	3.28E-05	5.08E-05	9.79E-05	4.92E-06	4.94E-05	8.42E-05	6.24E-06	2.81E-05	4.65E-05	1.54E-06
2626	741091.72	4109703.26	3.00E-04	5.47E-04	3.00E-05	4.65E-05	8.97E-05	4.50E-06	4.53E-05	7.71E-05	5.72E-06	2.57E-05	4.25E-05	1.41E-06
2627	741115.51	4109669.1	2.86E-04	5.22E-04	2.87E-05	4.44E-05	8.56E-05	4.30E-06	4.32E-05	7.36E-05	5.46E-06	2.45E-05	4.06E-05	1.35E-06
2628	741139.3	4109634.94	2.69E-04	4.90E-04	2.69E-05	4.17E-05	8.03E-05	4.03E-06	4.05E-05	6.91E-05	5.12E-06	2.30E-05	3.81E-05	1.26E-06
2629	741163.09	4109600.77	2.48E-04	4.52E-04	2.48E-05	3.84E-05	7.40E-05	3.72E-06	3.74E-05	6.37E-05	4.72E-06	2.12E-05	3.51E-05	1.16E-06
2630	741186.88	4109566.61	2.26E-04	4.12E-04	2.26E-05	3.50E-05	6.75E-05	3.39E-06	3.41E-05	5.81E-05	4.31E-06	1.94E-05	3.20E-05	1.06E-06
2631	741210.67	4109532.45	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
2632	741234.46	4109498.29	1.90E-04	3.46E-04	1.90E-05	2.94E-05	5.67E-05	2.85E-06	2.86E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.92E-07
2633	741258.25	4109464.12	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.36E-07
2634	741282.04	4109429.96	1.69E-04	3.08E-04	1.69E-05	2.62E-05	5.05E-05	2.54E-06	2.55E-05	4.35E-05	3.22E-06	1.45E-05	2.40E-05	7.95E-07
2635	741305.83	4109395.8	1.63E-04	2.96E-04	1.63E-05	2.52E-05	4.86E-05	2.44E-06	2.45E-05	4.18E-05	3.10E-06	1.39E-05	2.30E-05	7.64E-07
2636	741329.62	4109361.63	1.57E-04	2.86E-04	1.57E-05	2.44E-05	4.69E-05	2.36E-06	2.37E-05	4.04E-05	2.99E-06	1.35E-05	2.23E-05	7.38E-07
2637	741353.41	4109327.47	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.91E-05	2.90E-06	1.30E-05	2.16E-05	7.16E-07
2638	741377.2	4109293.31	1.47E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.93E-07
2639	741400.99	4109259.15	1.42E-04	2.59E-04	1.42E-05	2.21E-05	4.25E-05	2.14E-06	2.15E-05	3.66E-05	2.71E-06	1.22E-05	2.02E-05	6.69E-07
2640	741424.78	4109224.98	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
2641	741448.57	4109190.82	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.92E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
2642	741210.71	4110414.77	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.72E-05	9.76E-05	7.23E-06	3.25E-05	5.38E-05	1.78E-06
2643	741233.59	4110450.77	3.88E-04	7.07E-04	3.88E-05	6.01E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
2644	741026.84	4110483.41	2.71E-04	4.94E-04	2.71E-05	4.20E-05	8.09E-05	4.07E-06	4.09E-05	6.97E-05	5.16E-06	2.32E-05	3.84E-05	1.27E-06
2645	741019.54	4110442.07	2.74E-04	4.99E-04	2.74E-05	4.24E-05	8.18E-05	4.11E-06	4.13E-05	7.04E-05	5.22E-06	2.35E-05	3.88E-05	1.29E-06
2646	741012.24	4110400.74	2.78E-04	5.06E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.14E-05	5.29E-06	2.38E-05	3.94E-05	1.31E-06
2647	741004.94	4110359.4	2.84E-04	5.17E-04	2.84E-05	4.40E-05	8.47E-05	4.26E-06	4.28E-05	7.29E-05	5.41E-06	2.43E-05	4.02E-05	1.33E-06
2648	740997.64	4110318.06	2.93E-04	5.34E-04	2.93E-05	4.54E-05	8.75E-05	4.40E-06	4.42E-05	7.53E-05	5.58E-06	2.51E-05	4.16E-05	1.38E-06
2649	740990.34	4110276.72	3.07E-04	5.60E-04	3.08E-05	4.77E-05	9.18E-05	4.61E-06	4.64E-05	7.90E-05	5.86E-06	2.63E-05	4.36E-05	1.44E-06
2650	740983.04	4110235.39	3.27E-04	5.95E-04	3.27E-05	5.07E-05	9.76E-05	4.90E-06	4.93E-05	8.40E-05	6.22E-06	2.80E-05	4.63E-05	1.53E-06
2651	740975.74	4110194.05	3.47E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
2652	740968.44	4110152.71	3.64E-04	6.64E-04	3.64E-05	5.65E-05	1.09E-04	5.47E-06	5.49E-05	9.36E-05	6.94E-06	3.12E-05	5.16E-05	1.71E-06
2653	740961.14	4110111.37	3.71E-04	6.76E-04	3.71E-05	5.76E-05	1.11E-04	5.57E-06	5.60E-05	9.54E-05	7.07E-06	3.18E-05	5.26E-05	1.74E-06
2654	740953.84	4110070.04	3.66E-04	6.67E-04	3.66E-05	5.68E-05	1.09E-04	5.50E-06	5.52E-05	9.41E-05	6.98E-06	3.14E-05	5.19E-05	1.72E-06
2655	740946.55	4110028.7	3.52E-04	6.40E-04	3.52E-05	5.45E-05	1.05E-04	5.28E-06	5.30E-05	9.04E-05	6.70E-06	3.01E-05	4.98E-05	1.65E-06
2656	740939.25	4109987.36	3.32E-04	6.04E-04	3.32E-05	5.14E-05	9.91E-05	4.98E-06	5.00E-05	8.52E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
2657	740931.95	4109946.02	3.11E-04	5.67E-04	3.11E-05	4.83E-05	9.30E-05	4.67E-06	4.69E-05	8.00E-05	5.93E-06	2.67E-05	4.41E-05	1.46E-06
2658	740924.65	4109904.69	2.94E-04	5.36E-04	2.94E-05	4.56E-05	8.78E-05	4.41E-06	4.43E-05	7.55E-05	5.60E-06	2.52E-05	4.17E-05	1.38E-06
2659	740917.35	4109863.35	2.80E-04	5.11E-04	2.81E-05	4.35E-05	8.38E-05	4.21E-06	4.23E-05	7.21E-05	5.34E-06	2.40E-05	3.98E-05	1.32E-06
2660	740910.05	4109822.01	2.70E-04	4.92E-04	2.70E-05	4.19E-05	8.07E-05	4.06E-06	4.08E-05	6.95E-05	5.15E-06	2.32E-05	3.83E-05	1.27E-06
2661	740902.75	4109780.67	2.61E-04	4.76E-04	2.61E-05	4.05E-05	7.81E-05	3.92E-06	3.94E-05	6.72E-05	4.98E-06	2.24E-05	3.71E-05	1.23E-06
2662	740895.45	4109739.34	2.52E-04	4.59E-04	2.52E-05	3.91E-05	7.52E-05	3.78E-06	3.80E-05	6.47E-05	4.80E-06	2.16E-05	3.57E-05	1.18E-06
2663	740888.15	4109698	2.41E-04	4.38E-04	2.41E-05	3.73E-05	7.19E-05	3.61E-06	3.63E-05	6.18E-05	4.58E-06	2.06E-05	3.41E-05	1.13E-06
2664	740896.49	4109660.11	2.31E-04	4.22E-04	2.32E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.95E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
2665	740920.48	4109625.66	2.23E-04	4.07E-04	2.24E-05	3.46E-05	6.67E-05	3.35E-06	3.37E-05	5.74E-05	4.26E-06	1.91E-05	3.17E-05	1.05E-06
2666	740944.47	4109591.21	2.12E-04	3.87E-04	2.12E-05	3.29E-05	6.34E-05	3.18E-06	3.20E-05	5.45E-05	4.04E-06	1.82E-05	3.01E-05	9.97E-07
2667	740968.46	4109556.76	1.99E-04	3.63E-04	1.99E-05	3.09E-05	5.94E-05	2.99E-06	3.00E-05	5.12E-05	3.79E-06	1.71E-05	2.82E-05	9.35E-07
2668	740992.45	4109522.32	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.51E-05	2.77E-06	2.78E-05	4.74E-05	3.52E-06	1.58E-05	2.62E-05	8.67E-07
2669	741016.44	4109487.87	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.41E-05	7.97E-07
2670	741040.43	4109453.42	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.31E-07
2671	741064.41	4109418.97	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.15E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
2672	741088.4	4109384.53	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.45E-05	2.55E-06	1.15E-05	1.90E-05	6.30E-07
2673	741112.39	4109350.08	1.27E-04	2.31E-04	1.27E-05	1.97E-05	3.79E-05	1.91E-06	1.92E-05	3.26E-05	2.42E-06	1.09E-05	1.80E-05	5.97E-07
2674	741136.38	4109315.63	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.14E-05	2.32E-06	1.05E-05	1.73E-05	5.73E-07
2675	741160.37	4109281.19	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
2676	741184.36	4109246.74	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.48E-05	1.75E-06	1.75E-05	2.99E-05	2.22E-06	9.97E-06	1.65E-05	5.47E-07
2677	741208.35	4109212.29	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.83E-06	1.63E-05	5.39E-07
2678	741232.33	4109177.84	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.15E-06	9.69E-06	1.60E-05	5.31E-07
2679	741256.32	4109143.4	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.49E-06	1.57E-05	5.21E-07
2680	741280.31	4109108.95	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.22E-05	1.62E-06	1.62E-05	2.77E-05	2.05E-06	9.23E-06	1.53E-05	5.06E-07
2681	741304.3	4109074.5	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
2682	741328.29	4109040.05	9.97E-05	1.82E-04	9.98E-06	1.55E-05	2.98E-05	1.50E-06	1.50E-05	2.56E-05	1.90E-06	8.54E-06	1.41E-05	4.69E-07
2683	741041.93	4110522.08	2.73E-04	4.97E-04	2.73E-05	4.23E-05	8.14E-05	4.09E-06	4.11E-05	7.01E-05	5.19E-06	2.34E-05	3.87E-05	1.28E-06
2684	741064.82	4110558.07	2.78E-04	5.06E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.14E-05	5.29E-06	2.38E-05	3.94E-05	1.31E-06
2685	740858.04	4110590.6	2.07E-04	3.77E-04	2.07E-05	3.21E-05	6.18E-05	3.10E-06	3.12E-05	5.31E-05	3.94E-06	1.77E-05	2.93E-05	9.72E-07
2686	740850.7	4110549.02	2.08E-04	3.79E-04	2.08E-05	3.22E-05	6.21E-05	3.12E-06	3.14E-05	5.35E-05	3.96E-06	1.78E-05	2.95E-05	9.77E-07
2687	740843.36	4110507.44	2.10E-04	3.83E-04	2.10E-05	3.26E-05	6.27E-05	3.15E-06	3.17E-05	5.40E-05	4.00E-06	1.80E-05	2.98E-05	9.87E-07
2688	740836.02	4110465.86	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.19E-06	3.21E-05	5.47E-05	4.06E-06	1.82E-05	3.02E-05	1.00E-06
2689	740828.67	4110424.29	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.27E-05	5.57E-05	4.13E-06	1.86E-05	3.07E-05	1.02E-06
2690	740821.33	4110382.71	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.70E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
2691	740813.99	4110341.13	2.30E-04	4.19E-04	2.30E-05	3.57E-05	6.87E-05	3.45E-06	3.47E-05	5.91E-05	4.38E-06	1.97E-05	3.26E-05	1.08E-06
2692	740806.65	4110299.55	2.42E-04	4.41E-04	2.42E-05	3.75E-05	7.23E-05	3.63E-06	3.65E-05	6.22E-05	4.61E-06	2.07E-05	3.43E-05	1.14E-06
2693	740799.31	4110257.98	2.57E-04	4.68E-04	2.57E-05	3.99E-05	7.68E-05	3.86E-06	3.88E-05	6.61E-05	4.90E-06	2.20E-05	3.65E-05	1.21E-06
2694	740791.96	4110216.4	2.73E-04	4.97E-04	2.73E-05	4.23E-05	8.15E-05	4.09E-06	4.11E-05	7.01E-05	5.20E-06	2.34E-05	3.87E-05	1.28E-06
2695	740784.62	4110174.82	2.85E-04	5.19E-04	2.85E-05	4.42E-05	8.51E-05	4.27E-06	4.29E-05	7.32E-05	5.43E-06	2.44E-05	4.04E-05	1.34E-06
2696	740777.28	4110133.24	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.46E-05	5.53E-06	2.49E-05	4.11E-05	1.36E-06
2697	740769.94	4110091.67	2.87E-04	5.24E-04	2.88E-05	4.46E-05	8.59E-05	4.31E-06	4.33E-05	7.39E-05	5.48E-06	2.46E-05	4.08E-05	1.35E-06

2698	740762.6	4110050.09	2.78E-04	5.07E-04	2.78E-05	4.31E-05	8.30E-05	4.17E-06	4.19E-05	7.15E-05	5.30E-06	2.38E-05	3.94E-05	1.31E-06
2699	740755.26	4110008.51	2.64E-04	4.81E-04	2.64E-05	4.10E-05	7.89E-05	3.97E-06	3.98E-05	6.79E-05	5.03E-06	2.26E-05	3.75E-05	1.24E-06
2700	740747.91	4109966.94	2.49E-04	4.54E-04	2.49E-05	3.86E-05	7.44E-05	3.74E-06	3.76E-05	6.40E-05	4.75E-06	2.13E-05	3.53E-05	1.17E-06
2701	740740.57	4109925.36	2.35E-04	4.28E-04	2.35E-05	3.64E-05	7.01E-05	3.52E-06	3.54E-05	6.04E-05	4.47E-06	2.01E-05	3.33E-05	1.10E-06
2702	740733.23	4109883.78	2.23E-04	4.06E-04	2.23E-05	3.46E-05	6.66E-05	3.35E-06	3.36E-05	5.73E-05	4.25E-06	1.91E-05	3.16E-05	1.05E-06
2703	740725.89	4109842.2	2.14E-04	3.91E-04	2.15E-05	3.32E-05	6.41E-05	3.22E-06	3.23E-05	5.51E-05	4.09E-06	1.84E-05	3.04E-05	1.01E-06
2704	740718.55	4109800.63	2.08E-04	3.80E-04	2.09E-05	3.23E-05	6.23E-05	3.13E-06	3.14E-05	5.36E-05	3.97E-06	1.79E-05	2.96E-05	9.80E-07
2705	740711.21	4109759.05	2.04E-04	3.72E-04	2.04E-05	3.16E-05	6.09E-05	3.06E-06	3.07E-05	5.24E-05	3.89E-06	1.75E-05	2.89E-05	9.58E-07
2706	740703.86	4109717.47	1.99E-04	3.63E-04	2.00E-05	3.09E-05	5.96E-05	2.99E-06	3.01E-05	5.13E-05	3.80E-06	1.71E-05	2.83E-05	9.37E-07
2707	740696.52	4109675.89	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.11E-07
2708	740701.24	4109616.99	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.53E-05	2.78E-06	2.79E-05	4.76E-05	3.53E-06	1.59E-05	2.62E-05	8.70E-07
2709	740725.37	4109582.35	1.80E-04	3.29E-04	1.80E-05	2.80E-05	5.39E-05	2.71E-06	2.72E-05	4.64E-05	3.44E-06	1.55E-05	2.56E-05	8.47E-07
2710	740749.5	4109547.7	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.45E-05	8.13E-07
2711	740773.63	4109513.05	1.64E-04	2.99E-04	1.64E-05	2.54E-05	4.90E-05	2.46E-06	2.47E-05	4.22E-05	3.13E-06	1.41E-05	2.33E-05	7.71E-07
2712	740797.75	4109478.4	1.54E-04	2.81E-04	1.54E-05	2.39E-05	4.60E-05	2.31E-06	2.32E-05	3.96E-05	2.94E-06	1.32E-05	2.18E-05	7.24E-07
2713	740821.88	4109443.76	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.16E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
2714	740846.01	4109409.11	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.98E-05	2.00E-06	2.01E-05	3.42E-05	2.54E-06	1.14E-05	1.89E-05	6.26E-07
2715	740870.14	4109374.46	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
2716	740894.27	4109339.82	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.72E-06	1.72E-05	2.94E-05	2.18E-06	9.79E-06	1.62E-05	5.37E-07
2717	740918.39	4109305.17	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.19E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.14E-06	1.51E-05	5.01E-07
2718	740942.52	4109270.52	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.58E-05	1.92E-06	8.61E-06	1.43E-05	4.72E-07
2719	740966.65	4109235.87	9.60E-05	1.75E-04	9.60E-06	1.49E-05	2.87E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.22E-06	1.36E-05	4.51E-07
2720	740990.78	4109201.23	9.28E-05	1.69E-04	9.28E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.95E-06	1.32E-05	4.36E-07
2721	741014.9	4109166.58	9.08E-05	1.65E-04	9.09E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.78E-06	1.29E-05	4.27E-07
2722	741039.03	4109131.93	8.98E-05	1.64E-04	8.99E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.22E-07
2723	741063.16	4109097.28	8.95E-05	1.63E-04	8.95E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.67E-06	1.27E-05	4.20E-07
2724	741087.29	4109062.64	8.92E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.19E-07
2725	741111.42	4109027.99	8.87E-05	1.62E-04	8.87E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
2726	741135.54	4108993.34	8.74E-05	1.59E-04	8.75E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
2727	741159.67	4108958.7	8.53E-05	1.56E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.19E-05	1.63E-06	7.31E-06	1.21E-05	4.01E-07
2728	741183.8	4108924.05	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
2729	741207.93	4108889.4	7.93E-05	1.44E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.79E-06	1.12E-05	3.73E-07
2730	741232.05	4108854.75	7.58E-05	1.38E-04	7.59E-06	1.18E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.50E-06	1.07E-05	3.56E-07
2731	740873.15	4110629.38	2.08E-04	3.79E-04	2.08E-05	3.23E-05	6.22E-05	3.13E-06	3.14E-05	5.35E-05	3.97E-06	1.78E-05	2.95E-05	9.79E-07
2732	740896.04	4110665.38	2.12E-04	3.86E-04	2.12E-05	3.28E-05	6.32E-05	3.18E-06	3.19E-05	5.44E-05	4.03E-06	1.81E-05	3.00E-05	9.95E-07
2733	740689.25	4110697.81	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.75E-07
2734	740681.88	4110656.06	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.48E-06	2.50E-05	4.26E-05	3.15E-06	1.42E-05	2.35E-05	7.78E-07
2735	740674.5	4110614.3	1.67E-04	3.04E-04	1.67E-05	2.58E-05	4.98E-05	2.50E-06	2.51E-05	4.28E-05	3.17E-06	1.43E-05	2.36E-05	7.83E-07
2736	740667.13	4110572.55	1.68E-04	3.06E-04	1.68E-05	2.61E-05	5.02E-05	2.52E-06	2.54E-05	4.32E-05	3.21E-06	1.44E-05	2.38E-05	7.90E-07
2737	740659.76	4110530.79	1.70E-04	3.10E-04	1.70E-05	2.64E-05	5.09E-05	2.56E-06	2.57E-05	4.38E-05	3.25E-06	1.46E-05	2.41E-05	8.00E-07
2738	740652.38	4110489.04	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.16E-05	2.59E-06	2.61E-05	4.44E-05	3.29E-06	1.48E-05	2.45E-05	8.12E-07
2739	740645.01	4110447.28	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.26E-05	2.64E-06	2.65E-05	4.53E-05	3.35E-06	1.51E-05	2.50E-05	8.27E-07
2740	740637.64	4110405.53	1.81E-04	3.29E-04	1.81E-05	2.80E-05	5.40E-05	2.71E-06	2.73E-05	4.65E-05	3.44E-06	1.55E-05	2.56E-05	8.50E-07
2741	740630.26	4110363.77	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.62E-05	2.82E-06	2.84E-05	4.84E-05	3.58E-06	1.61E-05	2.67E-05	8.84E-07
2742	740622.89	4110322.02	1.98E-04	3.61E-04	1.98E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.10E-05	3.78E-06	1.70E-05	2.81E-05	9.32E-07
2743	740615.52	4110280.26	2.11E-04	3.84E-04	2.11E-05	3.26E-05	6.29E-05	3.16E-06	3.17E-05	5.41E-05	4.01E-06	1.80E-05	2.98E-05	9.89E-07
2744	740608.14	4110238.51	2.22E-04	4.05E-04	2.22E-05	3.45E-05	6.64E-05	3.34E-06	3.35E-05	5.72E-05	4.24E-06	1.91E-05	3.15E-05	1.04E-06
2745	740600.77	4110196.75	2.31E-04	4.21E-04	2.31E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.94E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
2746	740593.4	4110155	2.35E-04	4.29E-04	2.35E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.48E-06	2.02E-05	3.33E-05	1.11E-06
2747	740586.02	4110113.24	2.34E-04	4.26E-04	2.34E-05	3.62E-05	6.98E-05	3.51E-06	3.52E-05	6.01E-05	4.45E-06	2.00E-05	3.31E-05	1.10E-06
2748	740578.65	4110071.49	2.27E-04	4.14E-04	2.27E-05	3.52E-05	6.78E-05	3.41E-06	3.42E-05	5.83E-05	4.33E-06	1.94E-05	3.22E-05	1.07E-06
2749	740571.28	4110029.73	2.17E-04	3.96E-04	2.17E-05	3.37E-05	6.49E-05	3.26E-06	3.28E-05	5.58E-05	4.14E-06	1.86E-05	3.08E-05	1.02E-06
2750	740563.9	4109987.98	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.11E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
2751	740556.53	4109946.22	1.95E-04	3.55E-04	1.95E-05	3.02E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.71E-06	1.67E-05	2.76E-05	9.15E-07
2752	740549.16	4109904.47	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.52E-05	2.77E-06	2.78E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.68E-07
2753	740541.79	4109862.71	1.77E-04	3.22E-04	1.77E-05	2.74E-05	5.27E-05	2.65E-06	2.66E-05	4.54E-05	3.36E-06	1.51E-05	2.50E-05	8.30E-07
2754	740534.41	4109820.96	1.71E-04	3.11E-04	1.71E-05	2.65E-05	5.10E-05	2.56E-06	2.57E-05	4.39E-05	3.25E-06	1.46E-05	2.42E-05	8.02E-07
2755	740527.04	4109779.2	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.98E-05	2.50E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.84E-07
2756	740519.67	4109737.45	1.64E-04	2.99E-04	1.64E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.22E-05	3.13E-06	1.41E-05	2.33E-05	7.72E-07
2757	740512.29	4109695.69	1.62E-04	2.95E-04	1.62E-05	2.51E-05	4.84E-05	2.43E-06	2.45E-05	4.17E-05	3.09E-06	1.39E-05	2.30E-05	7.62E-07
2758	740504.92	4109653.94	1.60E-04	2.91E-04	1.60E-05	2.47E-05	4.77E-05	2.39E-06	2.41E-05	4.10E-05	3.04E-06	1.37E-05	2.26E-05	7.50E-07
2759	740497.55	4109612.18	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.32E-07
2760	740505.98	4109573.91	1.53E-04	2.78E-04	1.53E-05	2.37E-05	4.56E-05	2.29E-06	2.30E-05	3.92E-05	2.91E-06	1.31E-05	2.16E-05	7.17E-07
2761	740530.21	4109539.11	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.47E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.03E-07
2762	740554.44	4109504.32	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
2763	740578.67	4109469.52	1.38E-04	2.52E-04	1.38E-05	2.15E-05	4.13E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.50E-07
2764	740602.9	4109434.73	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
2765	740627.13	4109399.93	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
2766	740651.36	4109365.13	1.15E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.90E-06	1.64E-05	5.43E-07
2767	740675.59	4109330.34	1.08E-04	1.97E-04	1.08E-05	1.67E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.25E-06	1.53E-05	5.07E-07
2768	740699.82	4109295.54	1.01E-04	1.84E-04	1.01E-05	1.56E-05	3.01E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.64E-06	1.43E-05	4.74E-07
2769	740724.05	4109260.75	9.41E-05	1.72E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.07E-06	1.33E-05	4.42E-07
2770	740748.28	4109225.95	8.81E-05	1.61E-04	8.82E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07

2771	740772.51	4109191.16	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
2772	740796.75	4109156.36	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
2773	740820.98	4109121.57	7.55E-05	1.38E-04	7.55E-06	1.17E-05	2.26E-05	1.13E-06	1.14E-05	1.94E-05	1.44E-06	6.47E-06	1.07E-05	3.55E-07
2774	740845.21	4109086.77	7.33E-05	1.34E-04	7.34E-06	1.14E-05	2.19E-05	1.10E-06	1.11E-05	1.89E-05	1.40E-06	6.28E-06	1.04E-05	3.45E-07
2775	740869.44	4109051.98	7.21E-05	1.31E-04	7.22E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
2776	740893.67	4109017.18	7.17E-05	1.31E-04	7.17E-06	1.11E-05	2.14E-05	1.08E-06	1.08E-05	1.84E-05	1.37E-06	6.14E-06	1.02E-05	3.37E-07
2777	740917.9	4108982.39	7.18E-05	1.31E-04	7.19E-06	1.11E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.15E-06	1.02E-05	3.38E-07
2778	740942.13	4108947.59	7.22E-05	1.32E-04	7.22E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.18E-06	1.02E-05	3.39E-07
2779	740966.36	4108912.8	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
2780	740990.59	4108878	7.22E-05	1.32E-04	7.22E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.18E-06	1.02E-05	3.39E-07
2781	741014.82	4108843.21	7.14E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.12E-06	1.01E-05	3.35E-07
2782	741039.05	4108808.41	6.99E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.28E-07
2783	741063.28	4108773.61	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
2784	741087.52	4108738.82	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.78E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
2785	741111.75	4108704.02	6.24E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
2786	740704.38	4110736.69	1.66E-04	3.03E-04	1.66E-05	2.58E-05	4.96E-05	2.49E-06	2.50E-05	4.27E-05	3.16E-06	1.42E-05	2.35E-05	7.80E-07
2787	740727.26	4110772.68	1.68E-04	3.07E-04	1.68E-05	2.61E-05	5.03E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.91E-07
2788	740351.67	4110912.3	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.82E-06	1.63E-05	5.39E-07
2789	740344.26	4110870.3	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.84E-06	1.63E-05	5.40E-07
2790	740336.84	4110828.3	1.15E-04	2.10E-04	1.15E-05	1.78E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.86E-06	1.63E-05	5.41E-07
2791	740329.42	4110786.3	1.16E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.90E-06	1.64E-05	5.43E-07
2792	740322.01	4110744.3	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.99E-05	2.22E-06	9.96E-06	1.65E-05	5.46E-07
2793	740314.59	4110702.3	1.17E-04	2.14E-04	1.17E-05	1.82E-05	3.51E-05	1.76E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.66E-05	5.52E-07
2794	740307.17	4110660.3	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
2795	740299.76	4110618.3	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.64E-07
2796	740292.34	4110576.29	1.21E-04	2.21E-04	1.22E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.71E-07
2797	740284.92	4110534.29	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.68E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.79E-07
2798	740277.51	4110492.29	1.26E-04	2.30E-04	1.26E-05	1.95E-05	3.77E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.92E-07
2799	740270.09	4110450.29	1.30E-04	2.38E-04	1.31E-05	2.02E-05	3.90E-05	1.96E-06	1.97E-05	3.35E-05	2.49E-06	1.12E-05	1.85E-05	6.13E-07
2800	740262.68	4110408.29	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.94E-05	6.42E-07
2801	740255.26	4110366.29	1.44E-04	2.63E-04	1.44E-05	2.24E-05	4.31E-05	2.16E-06	2.17E-05	3.71E-05	2.75E-06	1.24E-05	2.04E-05	6.77E-07
2802	740247.84	4110324.29	1.52E-04	2.77E-04	1.52E-05	2.36E-05	4.55E-05	2.28E-06	2.29E-05	3.91E-05	2.90E-06	1.30E-05	2.16E-05	7.15E-07
2803	740240.43	4110282.29	1.59E-04	2.90E-04	1.59E-05	2.47E-05	4.76E-05	2.39E-06	2.40E-05	4.09E-05	3.04E-06	1.36E-05	2.26E-05	7.49E-07
2804	740233.01	4110240.29	1.64E-04	3.00E-04	1.64E-05	2.55E-05	4.91E-05	2.47E-06	2.48E-05	4.23E-05	3.13E-06	1.41E-05	2.33E-05	7.73E-07
2805	740225.59	4110198.29	1.67E-04	3.04E-04	1.67E-05	2.58E-05	4.98E-05	2.50E-06	2.51E-05	4.28E-05	3.18E-06	1.43E-05	2.36E-05	7.83E-07
2806	740218.18	4110156.29	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
2807	740210.76	4110114.29	1.62E-04	2.96E-04	1.63E-05	2.52E-05	4.85E-05	2.44E-06	2.45E-05	4.18E-05	3.10E-06	1.39E-05	2.30E-05	7.63E-07
2808	740203.34	4110072.29	1.57E-04	2.86E-04	1.57E-05	2.44E-05	4.69E-05	2.36E-06	2.37E-05	4.04E-05	2.99E-06	1.35E-05	2.23E-05	7.38E-07
2809	740195.93	4110030.29	1.51E-04	2.74E-04	1.51E-05	2.34E-05	4.50E-05	2.26E-06	2.27E-05	3.87E-05	2.87E-06	1.29E-05	2.14E-05	7.08E-07
2810	740188.51	4109988.29	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.29E-05	2.15E-06	2.17E-05	3.69E-05	2.74E-06	1.23E-05	2.04E-05	6.75E-07
2811	740181.09	4109946.29	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.94E-05	6.42E-07
2812	740173.68	4109904.28	1.30E-04	2.37E-04	1.30E-05	2.02E-05	3.89E-05	1.95E-06	1.96E-05	3.35E-05	2.48E-06	1.12E-05	1.85E-05	6.12E-07
2813	740166.26	4109862.28	1.25E-04	2.27E-04	1.25E-05	1.93E-05	3.72E-05	1.87E-06	1.88E-05	3.20E-05	2.37E-06	1.07E-05	1.77E-05	5.86E-07
2814	740158.84	4109820.28	1.20E-04	2.19E-04	1.20E-05	1.86E-05	3.59E-05	1.80E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.70E-05	5.65E-07
2815	740151.43	4109778.28	1.17E-04	2.13E-04	1.17E-05	1.82E-05	3.50E-05	1.76E-06	1.77E-05	3.01E-05	2.23E-06	1.00E-05	1.66E-05	5.50E-07
2816	740144.01	4109736.28	1.15E-04	2.10E-04	1.15E-05	1.79E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.87E-06	1.63E-05	5.41E-07
2817	740136.59	4109694.28	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.93E-05	2.17E-06	9.78E-06	1.62E-05	5.36E-07
2818	740129.18	4109652.28	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.40E-05	1.71E-06	1.71E-05	2.92E-05	2.17E-06	9.74E-06	1.61E-05	5.34E-07
2819	740121.76	4109610.28	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.70E-06	1.61E-05	5.32E-07
2820	740114.34	4109568.28	1.12E-04	2.05E-04	1.13E-05	1.74E-05	3.36E-05	1.69E-06	1.70E-05	2.89E-05	2.14E-06	9.64E-06	1.59E-05	5.29E-07
2821	740106.93	4109526.28	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.67E-05	2.85E-05	2.11E-06	9.51E-06	1.57E-05	5.22E-07
2822	740115.41	4109487.78	1.10E-04	2.00E-04	1.10E-05	1.70E-05	3.28E-05	1.65E-06	1.66E-05	2.82E-05	2.09E-06	9.42E-06	1.56E-05	5.16E-07
2823	740139.78	4109452.78	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.25E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.34E-06	1.54E-05	5.12E-07
2824	740164.15	4109417.78	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.19E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.15E-06	1.51E-05	5.02E-07
2825	740188.53	4109382.78	1.03E-04	1.89E-04	1.04E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.87E-06	1.47E-05	4.86E-07
2826	740212.9	4109347.78	9.93E-05	1.81E-04	9.93E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.51E-06	1.41E-05	4.67E-07
2827	740237.27	4109312.78	9.46E-05	1.72E-04	9.46E-06	1.47E-05	2.83E-05	1.42E-06	1.43E-05	2.43E-05	1.80E-06	8.10E-06	1.34E-05	4.44E-07
2828	740261.65	4109277.78	8.97E-05	1.63E-04	8.97E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.68E-06	1.27E-05	4.21E-07
2829	740286.02	4109242.78	8.49E-05	1.55E-04	8.49E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
2830	740310.39	4109207.78	8.03E-05	1.46E-04	8.04E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.07E-05	1.53E-06	6.88E-06	1.14E-05	3.78E-07
2831	740334.77	4109172.78	7.61E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
2832	740359.14	4109137.78	7.20E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.17E-06	1.02E-05	3.39E-07
2833	740383.51	4109102.78	6.82E-05	1.24E-04	6.82E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.84E-06	9.67E-06	3.20E-07
2834	740407.89	4109067.78	6.45E-05	1.17E-04	6.45E-06	1.00E-05	1.93E-05	9.68E-07	9.72E-06	1.66E-05	1.23E-06	5.53E-06	9.14E-06	3.03E-07
2835	740432.26	4109032.78	6.10E-05	1.11E-04	6.11E-06	9.47E-06	1.82E-05	9.16E-07	9.20E-06	1.57E-05	1.16E-06	5.23E-06	8.65E-06	2.87E-07
2836	740456.63	4108997.78	5.78E-05	1.05E-04	5.78E-06	8.96E-06	1.73E-05	8.67E-07	8.72E-06	1.49E-05	1.10E-06	4.95E-06	8.20E-06	2.72E-07
2837	740481.01	4108962.78	5.49E-05	1.00E-04	5.50E-06	8.52E-06	1.64E-05	8.25E-07	8.28E-06	1.41E-05	1.05E-06	4.71E-06	7.79E-06	2.58E-07
2838	740505.38	4108927.78	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
2839	740529.75	4108892.78	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
2840	740554.13	4108857.78	4.97E-05	9.05E-05	4.97E-06	7.71E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.05E-06	2.34E-07
2841	740578.5	4108822.78	4.92E-05	8.97E-05	4.93E-06	7.63E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
2842	740602.87	4108787.78	4.92E-05	8.97E-05	4.93E-06	7.64E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
2843	740627.25	4108752.78	4.96E-05	9.04E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.48E-06	1.28E-05	9.46E-07	4.25E-06	7.04E-06	2.33E-07

2844	740651.62	4108717.78	5.02E-05	9.15E-05	5.02E-06	7.78E-06	1.50E-05	7.53E-07	7.57E-06	1.29E-05	9.56E-07	4.30E-06	7.12E-06	2.36E-07
2845	740675.99	4108682.78	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.63E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.21E-06	2.39E-07
2846	740700.37	4108647.78	5.13E-05	9.34E-05	5.13E-06	7.95E-06	1.53E-05	7.70E-07	7.73E-06	1.32E-05	9.77E-07	4.39E-06	7.27E-06	2.41E-07
2847	740724.74	4108612.78	5.15E-05	9.38E-05	5.15E-06	7.98E-06	1.54E-05	7.72E-07	7.76E-06	1.32E-05	9.81E-07	4.41E-06	7.30E-06	2.42E-07
2848	740749.11	4108577.78	5.13E-05	9.35E-05	5.13E-06	7.96E-06	1.53E-05	7.70E-07	7.74E-06	1.32E-05	9.78E-07	4.40E-06	7.27E-06	2.41E-07
2849	740773.49	4108542.78	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
2850	740797.86	4108507.78	4.99E-05	9.09E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.52E-06	1.28E-05	9.50E-07	4.27E-06	7.07E-06	2.34E-07
2851	740822.23	4108472.78	4.86E-05	8.85E-05	4.86E-06	7.53E-06	1.45E-05	7.29E-07	7.33E-06	1.25E-05	9.26E-07	4.16E-06	6.89E-06	2.28E-07
2852	740846.61	4108437.78	4.70E-05	8.56E-05	4.70E-06	7.29E-06	1.40E-05	7.05E-07	7.09E-06	1.21E-05	8.96E-07	4.03E-06	6.66E-06	2.21E-07
2853	740870.98	4108402.78	4.52E-05	8.24E-05	4.52E-06	7.01E-06	1.35E-05	6.78E-07	6.82E-06	1.16E-05	8.61E-07	3.87E-06	6.41E-06	2.12E-07
2854	740895.35	4108367.78	4.33E-05	7.90E-05	4.34E-06	6.72E-06	1.29E-05	6.51E-07	6.54E-06	1.11E-05	8.26E-07	3.71E-06	6.15E-06	2.04E-07
2855	740366.82	4110951.3	1.15E-04	2.10E-04	1.15E-05	1.79E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.87E-06	1.63E-05	5.41E-07
2856	740389.71	4110987.29	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.48E-05	1.75E-06	1.75E-05	2.99E-05	2.22E-06	9.97E-06	1.65E-05	5.47E-07
2857	740014.15	4111127.08	8.59E-05	1.56E-04	8.59E-06	1.33E-05	2.57E-05	1.29E-06	1.29E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
2858	740006.8	4111085.43	8.61E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.38E-06	1.22E-05	4.05E-07
2859	739999.44	4111043.77	8.62E-05	1.57E-04	8.63E-06	1.34E-05	2.58E-05	1.29E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.05E-07
2860	739992.08	4111002.12	8.63E-05	1.57E-04	8.63E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.06E-07
2861	739984.73	4110960.47	8.65E-05	1.58E-04	8.65E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.65E-06	7.41E-06	1.23E-05	4.06E-07
2862	739977.37	4110918.81	8.68E-05	1.58E-04	8.68E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
2863	739970.02	4110877.16	8.74E-05	1.59E-04	8.74E-06	1.35E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.66E-06	7.49E-06	1.24E-05	4.11E-07
2864	739962.66	4110835.5	8.82E-05	1.61E-04	8.82E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.27E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
2865	739955.31	4110793.85	8.91E-05	1.62E-04	8.91E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.63E-06	1.26E-05	4.19E-07
2866	739947.95	4110752.19	8.99E-05	1.64E-04	9.00E-06	1.39E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.70E-06	1.27E-05	4.23E-07
2867	739940.6	4110710.54	9.07E-05	1.65E-04	9.07E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.77E-06	1.29E-05	4.26E-07
2868	739933.24	4110668.89	9.15E-05	1.67E-04	9.15E-06	1.42E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.84E-06	1.30E-05	4.30E-07
2869	739925.89	4110627.23	9.25E-05	1.69E-04	9.26E-06	1.43E-05	2.76E-05	1.39E-06	1.40E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
2870	739918.53	4110585.58	9.42E-05	1.72E-04	9.43E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.80E-06	8.07E-06	1.34E-05	4.43E-07
2871	739911.18	4110543.92	9.69E-05	1.77E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
2872	739903.82	4110502.27	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.01E-05	1.51E-06	1.52E-05	2.59E-05	1.92E-06	8.62E-06	1.43E-05	4.73E-07
2873	739896.46	4110460.61	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.03E-06	1.49E-05	4.95E-07
2874	739889.11	4110418.96	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.49E-06	1.57E-05	5.21E-07
2875	739881.75	4110377.3	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.98E-05	2.21E-06	9.95E-06	1.65E-05	5.46E-07
2876	739874.4	4110335.65	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.11E-05	2.30E-06	1.04E-05	1.71E-05	5.68E-07
2877	739867.04	4110294	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
2878	739859.69	4110252.34	1.26E-04	2.30E-04	1.26E-05	1.96E-05	3.77E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.93E-07
2879	739852.33	4110210.69	1.26E-04	2.30E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.24E-05	2.40E-06	1.08E-05	1.79E-05	5.92E-07
2880	739844.98	4110169.03	1.24E-04	2.26E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
2881	739837.62	4110127.38	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
2882	739830.27	4110085.72	1.18E-04	2.14E-04	1.18E-05	1.82E-05	3.51E-05	1.76E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.67E-05	5.52E-07
2883	739822.91	4110044.07	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.70E-06	1.61E-05	5.32E-07
2884	739815.56	4110002.41	1.09E-04	1.98E-04	1.09E-05	1.68E-05	3.25E-05	1.63E-06	1.64E-05	2.79E-05	2.07E-06	9.31E-06	1.54E-05	5.11E-07
2885	739808.2	4109960.76	1.04E-04	1.90E-04	1.04E-05	1.61E-05	3.11E-05	1.56E-06	1.57E-05	2.68E-05	1.98E-06	8.92E-06	1.48E-05	4.89E-07
2886	739800.84	4109919.11	9.97E-05	1.82E-04	9.98E-06	1.55E-05	2.98E-05	1.50E-06	1.50E-05	2.56E-05	1.90E-06	8.54E-06	1.41E-05	4.69E-07
2887	739793.49	4109877.45	9.57E-05	1.74E-04	9.57E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
2888	739786.13	4109835.8	9.22E-05	1.68E-04	9.22E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.76E-06	7.90E-06	1.31E-05	4.33E-07
2889	739778.78	4109794.14	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.19E-07
2890	739771.42	4109752.49	8.71E-05	1.59E-04	8.71E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.46E-06	1.23E-05	4.09E-07
2891	739764.07	4109710.83	8.56E-05	1.56E-04	8.57E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.20E-05	1.63E-06	7.34E-06	1.21E-05	4.02E-07
2892	739756.71	4109669.18	8.49E-05	1.55E-04	8.49E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
2893	739749.36	4109627.52	8.46E-05	1.54E-04	8.47E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.17E-05	1.61E-06	7.25E-06	1.20E-05	3.98E-07
2894	739742	4109585.87	8.47E-05	1.54E-04	8.47E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.25E-06	1.20E-05	3.98E-07
2895	739734.65	4109544.22	8.48E-05	1.55E-04	8.48E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.98E-07
2896	739727.29	4109502.56	8.47E-05	1.54E-04	8.48E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.26E-06	1.20E-05	3.98E-07
2897	739719.94	4109460.91	8.43E-05	1.54E-04	8.44E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.23E-06	1.20E-05	3.96E-07
2898	739724.67	4109401.9	8.36E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.19E-05	3.93E-07
2899	739748.84	4109367.19	8.34E-05	1.52E-04	8.35E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.15E-06	1.18E-05	3.92E-07
2900	739773.01	4109332.47	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
2901	739797.18	4109297.76	8.09E-05	1.47E-04	8.10E-06	1.25E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.93E-06	1.15E-05	3.80E-07
2902	739821.36	4109263.05	7.86E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
2903	739845.53	4109228.34	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
2904	739869.7	4109193.63	7.26E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.09E-05	1.87E-05	1.38E-06	6.22E-06	1.03E-05	3.41E-07
2905	739893.87	4109158.92	6.93E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.94E-06	9.82E-06	3.26E-07
2906	739918.05	4109124.21	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
2907	739942.22	4109089.49	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.42E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
2908	739966.39	4109054.78	5.99E-05	1.09E-04	5.99E-06	9.29E-06	1.79E-05	8.99E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.81E-07
2909	739990.56	4109020.07	5.72E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
2910	740014.74	4108985.36	5.48E-05	9.99E-05	5.48E-06	8.50E-06	1.64E-05	8.23E-07	8.27E-06	1.41E-05	1.04E-06	4.70E-06	7.77E-06	2.58E-07
2911	740038.91	4108950.65	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
2912	740063.08	4108915.94	5.04E-05	9.18E-05	5.04E-06	7.81E-06	1.50E-05	7.56E-07	7.59E-06	1.29E-05	9.60E-07	4.32E-06	7.14E-06	2.37E-07
2913	740087.25	4108881.23	4.82E-05	8.78E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.27E-06	1.24E-05	9.18E-07	4.13E-06	6.83E-06	2.26E-07
2914	740111.43	4108846.51	4.60E-05	8.38E-05	4.60E-06	7.14E-06	1.37E-05	6.91E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
2915	740135.6	4108811.8	4.39E-05	7.99E-05	4.39E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.36E-07	3.76E-06	6.22E-06	2.06E-07
2916	740159.77	4108777.09	4.18E-05	7.62E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.96E-07	3.58E-06	5.93E-06	1.96E-07

2917	740183.94	4108742.38	3.99E-05	7.28E-05	4.00E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
2918	740208.12	4108707.67	3.84E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.79E-06	9.87E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07
2919	740232.29	4108672.96	3.72E-05	6.78E-05	3.73E-06	5.77E-06	1.11E-05	5.59E-07	5.61E-06	9.57E-06	7.09E-07	3.19E-06	5.28E-06	1.75E-07
2920	740256.46	4108638.25	3.65E-05	6.65E-05	3.65E-06	5.66E-06	1.09E-05	5.48E-07	5.51E-06	9.39E-06	6.96E-07	3.13E-06	5.18E-06	1.72E-07
2921	740280.63	4108603.53	3.62E-05	6.60E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.46E-06	9.31E-06	6.90E-07	3.10E-06	5.13E-06	1.70E-07
2922	740304.8	4108568.82	3.63E-05	6.61E-05	3.63E-06	5.62E-06	1.08E-05	5.44E-07	5.47E-06	9.32E-06	6.91E-07	3.11E-06	5.14E-06	1.70E-07
2923	740328.98	4108534.11	3.66E-05	6.67E-05	3.66E-06	5.67E-06	1.09E-05	5.49E-07	5.52E-06	9.40E-06	6.97E-07	3.13E-06	5.19E-06	1.72E-07
2924	740353.15	4108499.4	3.71E-05	6.75E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.53E-06	7.06E-07	3.18E-06	5.25E-06	1.74E-07
2925	740377.32	4108464.69	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.65E-07	5.67E-06	9.67E-06	7.17E-07	3.22E-06	5.33E-06	1.77E-07
2926	740401.49	4108429.98	3.82E-05	6.95E-05	3.82E-06	5.92E-06	1.14E-05	5.73E-07	5.75E-06	9.81E-06	7.27E-07	3.27E-06	5.41E-06	1.79E-07
2927	740425.67	4108395.27	3.86E-05	7.03E-05	3.86E-06	5.99E-06	1.15E-05	5.79E-07	5.82E-06	9.92E-06	7.36E-07	3.31E-06	5.47E-06	1.81E-07
2928	740449.84	4108360.55	3.89E-05	7.08E-05	3.89E-06	6.03E-06	1.16E-05	5.83E-07	5.86E-06	9.99E-06	7.41E-07	3.33E-06	5.51E-06	1.83E-07
2929	740474.01	4108325.84	3.90E-05	7.10E-05	3.90E-06	6.04E-06	1.16E-05	5.85E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
2930	740498.18	4108291.13	3.88E-05	7.08E-05	3.89E-06	6.02E-06	1.16E-05	5.83E-07	5.86E-06	9.99E-06	7.40E-07	3.33E-06	5.51E-06	1.83E-07
2931	740522.36	4108256.42	3.85E-05	7.02E-05	3.86E-06	5.98E-06	1.15E-05	5.78E-07	5.81E-06	9.91E-06	7.34E-07	3.30E-06	5.46E-06	1.81E-07
2932	740546.53	4108221.71	3.80E-05	6.93E-05	3.81E-06	5.90E-06	1.14E-05	5.71E-07	5.73E-06	9.78E-06	7.25E-07	3.26E-06	5.39E-06	1.79E-07
2933	740570.7	4108187	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.11E-07	3.20E-06	5.29E-06	1.75E-07
2934	740594.87	4108152.28	3.64E-05	6.64E-05	3.64E-06	5.65E-06	1.09E-05	5.47E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
2935	740619.05	4108117.57	3.54E-05	6.44E-05	3.54E-06	5.48E-06	1.06E-05	5.31E-07	5.33E-06	9.09E-06	6.74E-07	3.03E-06	5.01E-06	1.66E-07
2936	740643.22	4108082.86	3.42E-05	6.22E-05	3.42E-06	5.30E-06	1.02E-05	5.13E-07	5.15E-06	8.78E-06	6.51E-07	2.93E-06	4.84E-06	1.61E-07
2937	740667.39	4108048.15	3.29E-05	5.99E-05	3.29E-06	5.10E-06	9.82E-06	4.93E-07	4.96E-06	8.45E-06	6.26E-07	2.82E-06	4.66E-06	1.54E-07
2938	740691.56	4108013.44	3.16E-05	5.76E-05	3.16E-06	4.90E-06	9.44E-06	4.74E-07	4.76E-06	8.12E-06	6.02E-07	2.71E-06	4.48E-06	1.48E-07
2939	740029.27	4111165.91	8.61E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.38E-06	1.22E-05	4.05E-07
2940	740052.16	4111201.9	8.68E-05	1.58E-04	8.68E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.08E-07
2941	739676.58	4111341.6	6.76E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.58E-06	3.18E-07
2942	739669.19	4111299.76	6.78E-05	1.24E-04	6.78E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.61E-06	3.19E-07
2943	739661.8	4111257.92	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
2944	739654.42	4111216.08	6.80E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.64E-06	3.20E-07
2945	739647.03	4111174.24	6.80E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
2946	739639.64	4111132.4	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
2947	739632.25	4111090.55	6.82E-05	1.24E-04	6.83E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.85E-06	9.68E-06	3.21E-07
2948	739624.86	4111048.71	6.86E-05	1.25E-04	6.86E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.87E-06	9.72E-06	3.22E-07
2949	739617.47	4111006.87	6.90E-05	1.26E-04	6.91E-06	1.07E-05	2.06E-05	1.04E-06	1.04E-05	1.77E-05	1.32E-06	5.92E-06	9.79E-06	3.24E-07
2950	739610.09	4110965.03	6.96E-05	1.27E-04	6.97E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.97E-06	9.87E-06	3.27E-07
2951	739602.7	4110923.19	7.03E-05	1.28E-04	7.03E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.81E-05	1.34E-06	6.02E-06	9.97E-06	3.30E-07
2952	739595.31	4110881.35	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.01E-05	3.33E-07
2953	739587.92	4110839.51	7.14E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.12E-06	1.01E-05	3.35E-07
2954	739580.53	4110797.67	7.18E-05	1.31E-04	7.18E-06	1.11E-05	2.14E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.15E-06	1.02E-05	3.37E-07
2955	739573.14	4110755.83	7.23E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
2956	739565.76	4110713.98	7.30E-05	1.33E-04	7.30E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.43E-07
2957	739558.37	4110672.14	7.42E-05	1.35E-04	7.43E-06	1.15E-05	2.22E-05	1.11E-06	1.12E-05	1.91E-05	1.41E-06	6.36E-06	1.05E-05	3.49E-07
2958	739550.98	4110630.3	7.61E-05	1.39E-04	7.61E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
2959	739543.59	4110588.46	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
2960	739536.2	4110546.62	8.20E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
2961	739528.81	4110504.78	8.57E-05	1.56E-04	8.58E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.20E-05	1.63E-06	7.34E-06	1.22E-05	4.03E-07
2962	739521.43	4110462.94	8.97E-05	1.63E-04	8.97E-06	1.39E-05	2.68E-05	1.35E-06	1.35E-05	2.31E-05	1.71E-06	7.68E-06	1.27E-05	4.21E-07
2963	739514.04	4110421.1	9.35E-05	1.70E-04	9.35E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	8.01E-06	1.33E-05	4.39E-07
2964	739506.65	4110379.26	9.66E-05	1.76E-04	9.67E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.48E-05	1.84E-06	8.28E-06	1.37E-05	4.54E-07
2965	739499.26	4110337.41	9.89E-05	1.80E-04	9.89E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.47E-06	1.40E-05	4.65E-07
2966	739491.87	4110295.57	9.99E-05	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.70E-07
2967	739484.48	4110253.73	9.99E-05	1.82E-04	9.99E-06	1.55E-05	2.98E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.69E-07
2968	739477.1	4110211.89	9.87E-05	1.80E-04	9.88E-06	1.53E-05	2.95E-05	1.48E-06	1.49E-05	2.54E-05	1.88E-06	8.46E-06	1.40E-05	4.64E-07
2969	739469.71	4110170.05	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.54E-07
2970	739462.32	4110128.21	9.41E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
2971	739454.93	4110086.37	9.11E-05	1.66E-04	9.11E-06	1.41E-05	2.72E-05	1.37E-06	1.37E-05	2.34E-05	1.74E-06	7.81E-06	1.29E-05	4.28E-07
2972	739447.54	4110044.53	8.80E-05	1.60E-04	8.80E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
2973	739440.15	4110002.69	8.48E-05	1.55E-04	8.49E-06	1.32E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
2974	739432.77	4109960.84	8.16E-05	1.49E-04	8.17E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.00E-06	1.16E-05	3.84E-07
2975	739425.38	4109919	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
2976	739417.99	4109877.16	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
2977	739410.6	4109835.32	7.31E-05	1.33E-04	7.31E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.44E-07
2978	739403.21	4109793.48	7.08E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
2979	739395.82	4109751.64	6.89E-05	1.26E-04	6.90E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.91E-06	9.77E-06	3.24E-07
2980	739388.44	4109709.8	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
2981	739381.05	4109667.96	6.65E-05	1.21E-04	6.65E-06	1.03E-05	1.99E-05	9.98E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.12E-07
2982	739373.66	4109626.12	6.59E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.89E-07	9.94E-06	1.69E-05	1.26E-06	5.65E-06	9.35E-06	3.10E-07
2983	739366.27	4109584.27	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
2984	739358.88	4109542.43	6.59E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
2985	739351.49	4109500.59	6.61E-05	1.20E-04	6.61E-06	1.03E-05	1.97E-05	9.92E-07	9.97E-06	1.70E-05	1.26E-06	5.66E-06	9.37E-06	3.11E-07
2986	739344.11	4109458.75	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.69E-06	9.41E-06	3.12E-07
2987	739336.72	4109416.91	6.65E-05	1.21E-04	6.65E-06	1.03E-05	1.99E-05	9.98E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
2988	739329.33	4109375.07	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.41E-06	3.12E-07
2989	739334.08	4109315.79	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07

2990	739358.36	4109280.93	6.62E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.67E-06	9.39E-06	3.11E-07
2991	739382.64	4109246.06	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
2992	739406.92	4109211.19	6.49E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.79E-06	1.67E-05	1.24E-06	5.57E-06	9.21E-06	3.05E-07
2993	739431.2	4109176.33	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
2994	739455.48	4109141.46	6.20E-05	1.13E-04	6.20E-06	9.61E-06	1.85E-05	9.30E-07	9.34E-06	1.59E-05	1.18E-06	5.31E-06	8.78E-06	2.91E-07
2995	739479.77	4109106.59	5.99E-05	1.09E-04	6.00E-06	9.29E-06	1.79E-05	9.00E-07	9.04E-06	1.54E-05	1.14E-06	5.14E-06	8.50E-06	2.82E-07
2996	739504.05	4109071.72	5.77E-05	1.05E-04	5.77E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.94E-06	8.18E-06	2.71E-07
2997	739528.33	4109036.86	5.53E-05	1.01E-04	5.53E-06	8.58E-06	1.65E-05	8.30E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.84E-06	2.60E-07
2998	739552.61	4109001.99	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
2999	739576.89	4108967.12	5.06E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
3000	739601.17	4108932.26	4.84E-05	8.82E-05	4.84E-06	7.50E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
3001	739625.45	4108897.39	4.64E-05	8.46E-05	4.65E-06	7.20E-06	1.39E-05	6.97E-07	7.00E-06	1.19E-05	8.85E-07	3.98E-06	6.58E-06	2.18E-07
3002	739649.73	4108862.52	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
3003	739674.01	4108827.66	4.31E-05	7.86E-05	4.31E-06	6.69E-06	1.29E-05	6.47E-07	6.50E-06	1.11E-05	8.22E-07	3.69E-06	6.11E-06	2.03E-07
3004	739698.29	4108792.79	4.17E-05	7.60E-05	4.17E-06	6.46E-06	1.25E-05	6.26E-07	6.29E-06	1.07E-05	7.94E-07	3.57E-06	5.91E-06	1.96E-07
3005	739722.57	4108757.92	4.03E-05	7.34E-05	4.03E-06	6.25E-06	1.20E-05	6.05E-07	6.08E-06	1.04E-05	7.68E-07	3.45E-06	5.71E-06	1.89E-07
3006	739746.85	4108723.05	3.89E-05	7.09E-05	3.89E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
3007	739771.13	4108688.19	3.75E-05	6.83E-05	3.75E-06	5.81E-06	1.12E-05	5.63E-07	5.65E-06	9.64E-06	7.15E-07	3.21E-06	5.32E-06	1.76E-07
3008	739795.42	4108653.32	3.60E-05	6.56E-05	3.60E-06	5.59E-06	1.08E-05	5.41E-07	5.43E-06	9.26E-06	6.86E-07	3.09E-06	5.11E-06	1.69E-07
3009	739819.7	4108618.45	3.45E-05	6.28E-05	3.45E-06	5.35E-06	1.03E-05	5.17E-07	5.20E-06	8.86E-06	6.57E-07	2.95E-06	4.89E-06	1.62E-07
3010	739843.98	4108583.59	3.30E-05	6.01E-05	3.30E-06	5.11E-06	9.85E-06	4.95E-07	4.97E-06	8.47E-06	6.28E-07	2.82E-06	4.67E-06	1.55E-07
3011	739868.26	4108548.72	3.15E-05	5.75E-05	3.16E-06	4.89E-06	9.42E-06	4.73E-07	4.76E-06	8.11E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
3012	739892.54	4108513.85	3.03E-05	5.52E-05	3.03E-06	4.69E-06	9.04E-06	4.54E-07	4.56E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
3013	739916.82	4108478.98	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.74E-06	4.39E-07	4.41E-06	7.52E-06	5.57E-07	2.51E-06	4.15E-06	1.37E-07
3014	739941.1	4108444.12	2.85E-05	5.20E-05	2.85E-06	4.42E-06	8.52E-06	4.28E-07	4.30E-06	7.33E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
3015	739965.38	4108409.25	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
3016	739989.66	4108374.38	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.35E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.96E-06	1.31E-07
3017	740013.94	4108339.52	2.81E-05	5.12E-05	2.81E-06	4.36E-06	8.39E-06	4.22E-07	4.24E-06	7.22E-06	5.35E-07	2.41E-06	3.98E-06	1.32E-07
3018	740038.22	4108304.65	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.48E-06	4.26E-07	4.28E-06	7.30E-06	5.41E-07	2.43E-06	4.02E-06	1.33E-07
3019	740062.5	4108269.78	2.88E-05	5.25E-05	2.88E-06	4.47E-06	8.61E-06	4.32E-07	4.34E-06	7.41E-06	5.49E-07	2.47E-06	4.08E-06	1.35E-07
3020	740086.78	4108234.92	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
3021	740111.07	4108200.05	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.89E-06	4.46E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
3022	740135.35	4108165.18	3.02E-05	5.50E-05	3.02E-06	4.68E-06	9.01E-06	4.53E-07	4.55E-06	7.75E-06	5.75E-07	2.58E-06	4.28E-06	1.42E-07
3023	740159.63	4108130.31	3.05E-05	5.55E-05	3.05E-06	4.73E-06	9.10E-06	4.57E-07	4.59E-06	7.83E-06	5.81E-07	2.61E-06	4.32E-06	1.43E-07
3024	740183.91	4108095.45	3.07E-05	5.59E-05	3.07E-06	4.75E-06	9.16E-06	4.60E-07	4.62E-06	7.88E-06	5.84E-07	2.63E-06	4.35E-06	1.44E-07
3025	740208.19	4108060.58	3.07E-05	5.60E-05	3.08E-06	4.77E-06	9.19E-06	4.61E-07	4.64E-06	7.90E-06	5.86E-07	2.63E-06	4.36E-06	1.44E-07
3026	740232.47	4108025.71	3.07E-05	5.60E-05	3.07E-06	4.76E-06	9.18E-06	4.61E-07	4.63E-06	7.90E-06	5.85E-07	2.63E-06	4.35E-06	1.44E-07
3027	740256.75	4107990.85	3.06E-05	5.57E-05	3.06E-06	4.74E-06	9.14E-06	4.59E-07	4.61E-06	7.86E-06	5.83E-07	2.62E-06	4.34E-06	1.44E-07
3028	740281.03	4107955.98	3.03E-05	5.53E-05	3.04E-06	4.70E-06	9.06E-06	4.55E-07	4.57E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
3029	740305.31	4107921.11	3.00E-05	5.46E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
3030	740329.59	4107886.25	2.95E-05	5.38E-05	2.96E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3031	740353.87	4107851.38	2.90E-05	5.28E-05	2.90E-06	4.49E-06	8.65E-06	4.35E-07	4.37E-06	7.45E-06	5.52E-07	2.48E-06	4.11E-06	1.36E-07
3032	740378.15	4107816.51	2.83E-05	5.15E-05	2.83E-06	4.39E-06	8.45E-06	4.25E-07	4.27E-06	7.27E-06	5.39E-07	2.42E-06	4.01E-06	1.33E-07
3033	740402.44	4107781.64	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.13E-07	4.15E-06	7.07E-06	5.24E-07	2.36E-06	3.90E-06	1.29E-07
3034	740426.72	4107746.78	2.66E-05	4.85E-05	2.66E-06	4.13E-06	7.95E-06	3.99E-07	4.01E-06	6.84E-06	5.07E-07	2.28E-06	3.77E-06	1.25E-07
3035	740451	4107711.91	2.57E-05	4.68E-05	2.57E-06	3.99E-06	7.68E-06	3.86E-07	3.88E-06	6.61E-06	4.90E-07	2.20E-06	3.64E-06	1.21E-07
3036	740475.28	4107677.04	2.47E-05	4.51E-05	2.48E-06	3.84E-06	7.39E-06	3.71E-07	3.73E-06	6.36E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3037	739691.72	4111380.52	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.59E-06	3.18E-07
3038	739714.6	4111416.51	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
3039	739339.01	4111556.14	5.50E-05	1.00E-04	5.51E-06	8.53E-06	1.64E-05	8.26E-07	8.30E-06	1.41E-05	1.05E-06	4.71E-06	7.80E-06	2.59E-07
3040	739331.6	4111514.16	5.53E-05	1.01E-04	5.53E-06	8.57E-06	1.65E-05	8.29E-07	8.33E-06	1.42E-05	1.05E-06	4.74E-06	7.83E-06	2.60E-07
3041	739324.19	4111472.18	5.54E-05	1.01E-04	5.55E-06	8.60E-06	1.66E-05	8.32E-07	8.36E-06	1.43E-05	1.06E-06	4.75E-06	7.86E-06	2.61E-07
3042	739316.78	4111430.2	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.34E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3043	739309.36	4111388.22	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3044	739301.95	4111346.24	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.35E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3045	739294.54	4111304.26	5.56E-05	1.01E-04	5.56E-06	8.62E-06	1.66E-05	8.34E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3046	739287.12	4111262.28	5.56E-05	1.01E-04	5.57E-06	8.63E-06	1.66E-05	8.35E-07	8.39E-06	1.43E-05	1.06E-06	4.77E-06	7.89E-06	2.62E-07
3047	739279.71	4111220.3	5.58E-05	1.02E-04	5.58E-06	8.65E-06	1.67E-05	8.38E-07	8.42E-06	1.43E-05	1.06E-06	4.78E-06	7.91E-06	2.62E-07
3048	739272.3	4111178.32	5.61E-05	1.02E-04	5.61E-06	8.70E-06	1.68E-05	8.42E-07	8.46E-06	1.44E-05	1.07E-06	4.81E-06	7.95E-06	2.64E-07
3049	739264.88	4111136.33	5.65E-05	1.03E-04	5.65E-06	8.76E-06	1.69E-05	8.48E-07	8.52E-06	1.45E-05	1.08E-06	4.84E-06	8.01E-06	2.66E-07
3050	739257.47	4111094.35	5.70E-05	1.04E-04	5.70E-06	8.84E-06	1.70E-05	8.55E-07	8.59E-06	1.46E-05	1.09E-06	4.88E-06	8.08E-06	2.68E-07
3051	739250.06	4111052.37	5.75E-05	1.05E-04	5.75E-06	8.91E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.92E-06	8.15E-06	2.70E-07
3052	739242.65	4111010.39	5.79E-05	1.06E-04	5.80E-06	8.98E-06	1.73E-05	8.69E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.21E-06	2.72E-07
3053	739235.23	4110968.41	5.83E-05	1.06E-04	5.83E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	4.99E-06	8.26E-06	2.74E-07
3054	739227.82	4110926.43	5.85E-05	1.07E-04	5.86E-06	9.08E-06	1.75E-05	8.78E-07	8.82E-06	1.50E-05	1.12E-06	5.01E-06	8.30E-06	2.75E-07
3055	739220.41	4110884.45	5.87E-05	1.07E-04	5.88E-06	9.11E-06	1.75E-05	8.82E-07	8.86E-06	1.51E-05	1.12E-06	5.03E-06	8.33E-06	2.76E-07
3056	739212.99	4110842.47	5.91E-05	1.08E-04	5.91E-06	9.16E-06	1.76E-05	8.87E-07	8.91E-06	1.52E-05	1.13E-06	5.06E-06	8.37E-06	2.78E-07
3057	739205.58	4110800.49	5.96E-05	1.09E-04	5.96E-06	9.24E-06	1.78E-05	8.95E-07	8.99E-06	1.53E-05	1.14E-06	5.11E-06	8.45E-06	2.80E-07
3058	739198.17	4110758.51	6.05E-05	1.10E-04	6.06E-06	9.38E-06	1.81E-05	9.08E-07	9.13E-06	1.56E-05	1.15E-06	5.19E-06	8.58E-06	2.84E-07
3059	739190.75	4110716.53	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.78E-06	2.91E-07
3060	739183.34	4110674.55	6.38E-05	1.16E-04	6.38E-06	9.89E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
3061	739175.93	4110632.57	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
3062	739168.52	4110590.59	6.89E-05	1.26E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.77E-06	3.24E-07

3063	739161.1	4110548.6	7.18E-05	1.31E-04	7.19E-06	1.11E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.15E-06	1.02E-05	3.38E-07
3064	739153.69	4110506.62	7.48E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.41E-06	1.06E-05	3.51E-07
3065	739146.28	4110464.64	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
3066	739138.86	4110422.66	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.74E-07
3067	739131.45	4110380.68	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.81E-07
3068	739124.04	4110338.7	8.19E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
3069	739116.62	4110296.72	8.18E-05	1.49E-04	8.18E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.01E-06	1.16E-05	3.84E-07
3070	739109.21	4110254.74	8.09E-05	1.47E-04	8.09E-06	1.25E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.93E-06	1.15E-05	3.80E-07
3071	739101.8	4110212.76	7.94E-05	1.45E-04	7.95E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
3072	739094.39	4110170.78	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
3073	739086.97	4110128.8	7.53E-05	1.37E-04	7.53E-06	1.17E-05	2.25E-05	1.13E-06	1.14E-05	1.94E-05	1.43E-06	6.45E-06	1.07E-05	3.54E-07
3074	739079.56	4110086.82	7.30E-05	1.33E-04	7.31E-06	1.13E-05	2.18E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.26E-06	1.04E-05	3.43E-07
3075	739072.15	4110044.84	7.07E-05	1.29E-04	7.08E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.06E-06	1.00E-05	3.32E-07
3076	739064.73	4110002.85	6.84E-05	1.25E-04	6.85E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.86E-06	9.70E-06	3.22E-07
3077	739057.32	4109960.87	6.62E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.98E-06	1.70E-05	1.26E-06	5.67E-06	9.39E-06	3.11E-07
3078	739049.91	4109918.89	6.40E-05	1.17E-04	6.40E-06	9.93E-06	1.91E-05	9.61E-07	9.65E-06	1.65E-05	1.22E-06	5.48E-06	9.07E-06	3.01E-07
3079	739042.5	4109876.91	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
3080	739035.08	4109834.93	5.99E-05	1.09E-04	5.99E-06	9.29E-06	1.79E-05	8.99E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.82E-07
3081	739027.67	4109792.95	5.81E-05	1.06E-04	5.82E-06	9.01E-06	1.74E-05	8.72E-07	8.77E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
3082	739020.26	4109750.97	5.66E-05	1.03E-04	5.66E-06	8.77E-06	1.69E-05	8.49E-07	8.53E-06	1.45E-05	1.08E-06	4.85E-06	8.02E-06	2.66E-07
3083	739012.84	4109708.99	5.53E-05	1.01E-04	5.53E-06	8.57E-06	1.65E-05	8.30E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.84E-06	2.60E-07
3084	739005.43	4109667.01	5.43E-05	9.89E-05	5.43E-06	8.42E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.03E-06	4.65E-06	7.70E-06	2.55E-07
3085	738998.02	4109625.03	5.36E-05	9.77E-05	5.36E-06	8.31E-06	1.60E-05	8.05E-07	8.08E-06	1.38E-05	1.02E-06	4.59E-06	7.60E-06	2.52E-07
3086	738990.6	4109583.05	5.32E-05	9.70E-05	5.32E-06	8.25E-06	1.59E-05	7.99E-07	8.02E-06	1.37E-05	1.01E-06	4.56E-06	7.54E-06	2.50E-07
3087	738983.19	4109541.07	5.31E-05	9.67E-05	5.31E-06	8.23E-06	1.58E-05	7.96E-07	8.00E-06	1.36E-05	1.01E-06	4.55E-06	7.52E-06	2.49E-07
3088	738975.78	4109499.09	5.31E-05	9.68E-05	5.32E-06	8.24E-06	1.59E-05	7.98E-07	8.01E-06	1.37E-05	1.01E-06	4.55E-06	7.54E-06	2.50E-07
3089	738968.37	4109457.11	5.34E-05	9.73E-05	5.34E-06	8.28E-06	1.59E-05	8.01E-07	8.05E-06	1.37E-05	1.02E-06	4.57E-06	7.57E-06	2.51E-07
3090	738960.95	4109415.12	5.37E-05	9.79E-05	5.37E-06	8.33E-06	1.60E-05	8.06E-07	8.10E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
3091	738953.54	4109373.14	5.40E-05	9.84E-05	5.40E-06	8.37E-06	1.61E-05	8.10E-07	8.14E-06	1.39E-05	1.03E-06	4.63E-06	7.66E-06	2.54E-07
3092	738946.13	4109331.16	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
3093	738938.71	4109289.18	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
3094	738943.48	4109229.71	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
3095	738967.84	4109194.73	5.43E-05	9.89E-05	5.43E-06	8.42E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.03E-06	4.65E-06	7.70E-06	2.55E-07
3096	738992.2	4109159.74	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
3097	739016.57	4109124.76	5.37E-05	9.78E-05	5.37E-06	8.33E-06	1.60E-05	8.06E-07	8.10E-06	1.38E-05	1.02E-06	4.60E-06	7.61E-06	2.52E-07
3098	739040.93	4109089.78	5.29E-05	9.64E-05	5.29E-06	8.20E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.49E-07
3099	739065.29	4109054.79	5.19E-05	9.45E-05	5.19E-06	8.04E-06	1.55E-05	7.78E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.35E-06	2.44E-07
3100	739089.65	4109019.81	5.05E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
3101	739114.01	4108984.83	4.90E-05	8.93E-05	4.91E-06	7.60E-06	1.46E-05	7.36E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
3102	739138.38	4108949.84	4.74E-05	8.63E-05	4.74E-06	7.34E-06	1.41E-05	7.11E-07	7.14E-06	1.22E-05	9.03E-07	4.06E-06	6.72E-06	2.23E-07
3103	739162.74	4108914.86	4.56E-05	8.31E-05	4.56E-06	7.07E-06	1.36E-05	6.84E-07	6.87E-06	1.17E-05	8.69E-07	3.91E-06	6.46E-06	2.14E-07
3104	739187.1	4108879.88	4.38E-05	7.98E-05	4.38E-06	6.79E-06	1.31E-05	6.57E-07	6.60E-06	1.13E-05	8.34E-07	3.75E-06	6.21E-06	2.06E-07
3105	739211.46	4108844.89	4.20E-05	7.65E-05	4.20E-06	6.51E-06	1.25E-05	6.30E-07	6.33E-06	1.08E-05	8.00E-07	3.60E-06	5.95E-06	1.97E-07
3106	739235.82	4108809.91	4.03E-05	7.34E-05	4.03E-06	6.24E-06	1.20E-05	6.04E-07	6.07E-06	1.04E-05	7.67E-07	3.45E-06	5.71E-06	1.89E-07
3107	739260.18	4108774.93	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.81E-07	5.83E-06	9.95E-06	7.37E-07	3.32E-06	5.49E-06	1.82E-07
3108	739284.55	4108739.94	3.73E-05	6.79E-05	3.73E-06	5.78E-06	1.11E-05	5.60E-07	5.62E-06	9.58E-06	7.10E-07	3.19E-06	5.29E-06	1.75E-07
3109	739308.91	4108704.96	3.60E-05	6.57E-05	3.61E-06	5.59E-06	1.08E-05	5.41E-07	5.44E-06	9.27E-06	6.87E-07	3.09E-06	5.11E-06	1.69E-07
3110	739333.27	4108669.98	3.50E-05	6.37E-05	3.50E-06	5.42E-06	1.05E-05	5.25E-07	5.27E-06	8.99E-06	6.67E-07	3.00E-06	4.96E-06	1.64E-07
3111	739357.63	4108634.99	3.40E-05	6.20E-05	3.40E-06	5.28E-06	1.02E-05	5.11E-07	5.13E-06	8.75E-06	6.48E-07	2.92E-06	4.82E-06	1.60E-07
3112	739381.99	4108600.01	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.89E-06	4.97E-07	4.99E-06	8.51E-06	6.31E-07	2.84E-06	4.69E-06	1.56E-07
3113	739406.36	4108565.03	3.22E-05	5.87E-05	3.22E-06	4.99E-06	9.62E-06	4.83E-07	4.86E-06	8.28E-06	6.14E-07	2.76E-06	4.57E-06	1.51E-07
3114	739430.72	4108530.04	3.13E-05	5.70E-05	3.13E-06	4.85E-06	9.34E-06	4.69E-07	4.71E-06	8.04E-06	5.96E-07	2.68E-06	4.43E-06	1.47E-07
3115	739455.08	4108495.06	3.03E-05	5.52E-05	3.03E-06	4.69E-06	9.04E-06	4.54E-07	4.56E-06	7.78E-06	5.77E-07	2.59E-06	4.29E-06	1.42E-07
3116	739479.44	4108460.08	2.92E-05	5.32E-05	2.92E-06	4.53E-06	8.72E-06	4.38E-07	4.40E-06	7.50E-06	5.56E-07	2.50E-06	4.14E-06	1.37E-07
3117	739503.8	4108425.09	2.81E-05	5.11E-05	2.81E-06	4.35E-06	8.38E-06	4.21E-07	4.23E-06	7.21E-06	5.35E-07	2.40E-06	3.98E-06	1.32E-07
3118	739528.16	4108390.11	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.81E-06	1.26E-07
3119	739552.53	4108355.13	2.58E-05	4.70E-05	2.58E-06	4.00E-06	7.70E-06	3.87E-07	3.89E-06	6.63E-06	4.91E-07	2.21E-06	3.66E-06	1.21E-07
3120	739576.89	4108320.14	2.48E-05	4.51E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.73E-06	6.36E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3121	739601.25	4108285.16	2.39E-05	4.35E-05	2.39E-06	3.70E-06	7.13E-06	3.58E-07	3.60E-06	6.14E-06	4.55E-07	2.05E-06	3.39E-06	1.12E-07
3122	739625.61	4108250.18	2.32E-05	4.22E-05	2.32E-06	3.60E-06	6.93E-06	3.48E-07	3.50E-06	5.96E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
3123	739649.97	4108215.19	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.78E-06	3.41E-07	3.42E-06	5.84E-06	4.33E-07	1.95E-06	3.22E-06	1.07E-07
3124	739674.34	4108180.21	2.25E-05	4.09E-05	2.25E-06	3.48E-06	6.71E-06	3.37E-07	3.39E-06	5.77E-06	4.28E-07	1.92E-06	3.18E-06	1.06E-07
3125	739698.7	4108145.23	2.24E-05	4.08E-05	2.24E-06	3.47E-06	6.69E-06	3.36E-07	3.38E-06	5.76E-06	4.27E-07	1.92E-06	3.18E-06	1.05E-07
3126	739723.06	4108110.24	2.25E-05	4.11E-05	2.26E-06	3.50E-06	6.73E-06	3.38E-07	3.40E-06	5.79E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
3127	739747.42	4108075.26	2.28E-05	4.16E-05	2.28E-06	3.54E-06	6.81E-06	3.42E-07	3.44E-06	5.86E-06	4.35E-07	1.95E-06	3.23E-06	1.07E-07
3128	739771.78	4108040.28	2.32E-05	4.22E-05	2.32E-06	3.59E-06	6.92E-06	3.48E-07	3.49E-06	5.95E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
3129	739796.14	4108005.29	2.36E-05	4.29E-05	2.36E-06	3.65E-06	7.04E-06	3.54E-07	3.55E-06	6.06E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
3130	739820.51	4107970.31	2.40E-05	4.37E-05	2.40E-06	3.72E-06	7.16E-06	3.60E-07	3.61E-06	6.16E-06	4.57E-07	2.05E-06	3.40E-06	1.13E-07
3131	739844.87	4107935.32	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.26E-06	3.65E-07	3.67E-06	6.25E-06	4.63E-07	2.08E-06	3.45E-06	1.14E-07
3132	739869.23	4107900.34	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.35E-06	3.69E-07	3.71E-06	6.32E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
3133	739893.59	4107865.36	2.48E-05	4.52E-05	2.48E-06	3.85E-06	7.41E-06	3.72E-07	3.74E-06	6.38E-06	4.73E-07	2.13E-06	3.52E-06	1.17E-07
3134	739917.95	4107830.37	2.49E-05	4.55E-05	2.50E-06	3.87E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.54E-06	1.17E-07
3135	739942.32	4107795.39	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.43E-06	4.76E-07	2.14E-06	3.54E-06	1.17E-07

3136	739966.68	4107760.41	2.50E-05	4.55E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.42E-06	4.76E-07	2.14E-06	3.54E-06	1.17E-07
3137	739991.04	4107725.42	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.44E-06	3.74E-07	3.76E-06	6.40E-06	4.75E-07	2.13E-06	3.53E-06	1.17E-07
3138	740015.4	4107690.44	2.48E-05	4.52E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.74E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3139	740039.76	4107655.46	2.46E-05	4.48E-05	2.46E-06	3.81E-06	7.35E-06	3.69E-07	3.71E-06	6.32E-06	4.69E-07	2.11E-06	3.49E-06	1.16E-07
3140	740064.12	4107620.47	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.15E-07
3141	740088.49	4107585.49	2.41E-05	4.39E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.19E-06	4.59E-07	2.06E-06	3.41E-06	1.13E-07
3142	740112.85	4107550.51	2.37E-05	4.32E-05	2.37E-06	3.67E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
3143	740137.21	4107515.52	2.32E-05	4.24E-05	2.33E-06	3.60E-06	6.94E-06	3.49E-07	3.50E-06	5.97E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
3144	740161.57	4107480.54	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.79E-06	3.41E-07	3.43E-06	5.84E-06	4.33E-07	1.95E-06	3.22E-06	1.07E-07
3145	740185.93	4107445.56	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.61E-06	3.32E-07	3.34E-06	5.69E-06	4.22E-07	1.90E-06	3.14E-06	1.04E-07
3146	740210.29	4107410.57	2.15E-05	3.91E-05	2.15E-06	3.33E-06	6.42E-06	3.22E-07	3.24E-06	5.52E-06	4.09E-07	1.84E-06	3.05E-06	1.01E-07
3147	740234.66	4107375.59	2.08E-05	3.79E-05	2.08E-06	3.22E-06	6.21E-06	3.12E-07	3.13E-06	5.34E-06	3.96E-07	1.78E-06	2.95E-06	9.77E-08
3148	740259.02	4107340.61	2.01E-05	3.66E-05	2.01E-06	3.11E-06	6.00E-06	3.01E-07	3.03E-06	5.16E-06	3.82E-07	1.72E-06	2.85E-06	9.43E-08
3149	739354.16	4111595.13	5.50E-05	1.00E-04	5.51E-06	8.54E-06	1.64E-05	8.26E-07	8.30E-06	1.42E-05	1.05E-06	4.72E-06	7.81E-06	2.59E-07
3150	739377.05	4111631.12	5.53E-05	1.01E-04	5.54E-06	8.58E-06	1.65E-05	8.31E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.85E-06	2.60E-07
3151	741983.3	4109969.55	2.02E-02	3.68E-02	2.02E-03	3.13E-03	6.03E-03	3.03E-04	3.04E-03	5.18E-03	3.84E-04	1.73E-03	2.86E-03	9.48E-05
3152	741969.79	4109948.52	1.81E-02	3.29E-02	1.81E-03	2.80E-03	5.40E-03	2.71E-04	2.73E-03	4.65E-03	3.45E-04	1.55E-03	2.56E-03	8.50E-05
3153	741956.96	4109930.17	1.44E-02	2.63E-02	1.44E-03	2.24E-03	4.31E-03	2.17E-04	2.18E-03	3.71E-03	2.75E-04	1.24E-03	2.05E-03	6.79E-05
3154	741881.9	4109826.95	2.03E-03	3.71E-03	2.03E-04	3.15E-04	6.08E-04	3.05E-05	3.07E-04	5.23E-04	3.88E-05	1.74E-04	2.88E-04	9.56E-06
3155	741854.89	4109784.88	1.32E-03	2.41E-03	1.32E-04	2.05E-04	3.95E-04	1.98E-05	1.99E-04	3.40E-04	2.52E-05	1.13E-04	1.88E-04	6.21E-06
3156	741827.87	4109742.8	9.40E-04	1.71E-03	9.40E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.42E-04	1.79E-05	8.05E-05	1.33E-04	4.42E-06
3157	741798.74	4109761.51	9.79E-04	1.78E-03	9.79E-05	1.52E-04	2.92E-04	1.47E-05	1.48E-04	2.52E-04	1.87E-05	8.39E-05	1.39E-04	4.60E-06
3158	741773.84	4109658.66	5.60E-04	1.02E-03	5.60E-05	8.68E-05	1.67E-04	8.40E-06	8.44E-05	1.44E-04	1.07E-05	4.80E-05	7.94E-05	2.63E-06
3159	741744.71	4109677.36	5.73E-04	1.04E-03	5.74E-05	8.89E-05	1.71E-04	8.61E-06	8.65E-05	1.47E-04	1.09E-05	4.91E-05	8.13E-05	2.69E-06
3160	741719.81	4109574.51	3.81E-04	6.95E-04	3.82E-05	5.92E-05	1.14E-04	5.72E-06	5.75E-05	9.81E-05	7.27E-06	3.27E-05	5.41E-05	1.79E-06
3161	741690.68	4109593.22	3.87E-04	7.06E-04	3.87E-05	6.00E-05	1.16E-04	5.81E-06	5.84E-05	9.95E-05	7.38E-06	3.32E-05	5.49E-05	1.82E-06
3162	741665.78	4109490.36	2.81E-04	5.13E-04	2.82E-05	4.36E-05	8.40E-05	4.22E-06	4.24E-05	7.23E-05	5.36E-06	2.41E-05	3.99E-05	1.32E-06
3163	741636.64	4109509.07	2.85E-04	5.20E-04	2.85E-05	4.42E-05	8.52E-05	4.28E-06	4.30E-05	7.33E-05	5.43E-06	2.44E-05	4.04E-05	1.34E-06
3164	741611.75	4109406.22	2.19E-04	3.98E-04	2.19E-05	3.39E-05	6.53E-05	3.28E-06	3.30E-05	5.62E-05	4.17E-06	1.87E-05	3.10E-05	1.03E-06
3165	741582.61	4109424.92	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.33E-06	3.34E-05	5.70E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
3166	741518.25	4109228.57	1.45E-04	2.63E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
3167	741489.12	4109247.28	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.92E-07
3168	741410.19	4109060.28	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.13E-05	1.57E-06	1.58E-05	2.69E-05	2.00E-06	8.98E-06	1.49E-05	4.93E-07
3169	741381.06	4109078.98	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.03E-07
3170	741302.13	4108891.98	8.02E-05	1.46E-04	8.02E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
3171	741272.99	4108910.69	8.21E-05	1.50E-04	8.22E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.04E-06	1.16E-05	3.86E-07
3172	741194.07	4108723.69	6.37E-05	1.16E-04	6.37E-06	9.88E-06	1.90E-05	9.56E-07	9.60E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
3173	741164.93	4108742.4	6.53E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.80E-07	9.85E-06	1.68E-05	1.24E-06	5.60E-06	9.26E-06	3.07E-07
3174	740977.94	4108387.1	4.36E-05	7.94E-05	4.36E-06	6.76E-06	1.30E-05	6.54E-07	6.57E-06	1.12E-05	8.30E-07	3.73E-06	6.18E-06	2.05E-07
3175	740948.81	4108405.81	4.47E-05	8.15E-05	4.47E-06	6.94E-06	1.34E-05	6.71E-07	6.74E-06	1.15E-05	8.52E-07	3.83E-06	6.34E-06	2.10E-07
3176	740761.82	4108050.52	3.21E-05	5.86E-05	3.22E-06	4.98E-06	9.60E-06	4.82E-07	4.85E-06	8.26E-06	6.12E-07	2.75E-06	4.56E-06	1.51E-07
3177	740732.68	4108069.22	3.30E-05	6.01E-05	3.30E-06	5.12E-06	9.86E-06	4.95E-07	4.98E-06	8.48E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
3178	740545.69	4107713.93	2.50E-05	4.56E-05	2.50E-06	3.88E-06	7.47E-06	3.75E-07	3.77E-06	6.43E-06	4.77E-07	2.14E-06	3.55E-06	1.18E-07
3179	740516.56	4107732.64	2.57E-05	4.68E-05	2.57E-06	3.98E-06	7.67E-06	3.85E-07	3.87E-06	6.60E-06	4.89E-07	2.20E-06	3.64E-06	1.21E-07
3180	740329.57	4107377.34	2.02E-05	3.68E-05	2.02E-06	3.13E-06	6.03E-06	3.03E-07	3.04E-06	5.19E-06	3.85E-07	1.73E-06	2.86E-06	9.49E-08
3181	740300.44	4107396.05	2.07E-05	3.77E-05	2.07E-06	3.21E-06	6.18E-06	3.11E-07	3.12E-06	5.32E-06	3.94E-07	1.77E-06	2.93E-06	9.72E-08
3182	741990.48	4109983.24	2.09E-02	3.81E-02	2.09E-03	3.24E-03	6.25E-03	3.14E-04	3.15E-03	5.37E-03	3.98E-04	1.79E-03	2.96E-03	9.83E-05
3183	743559.57	4108987.29	1.60E-04	2.92E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.12E-05	3.05E-06	1.37E-05	2.27E-05	7.52E-07
3184	743536.45	4108951.29	1.58E-04	2.88E-04	1.58E-05	2.46E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.24E-05	7.44E-07
3185	743513.34	4108915.3	1.55E-04	2.83E-04	1.55E-05	2.41E-05	4.64E-05	2.33E-06	2.34E-05	3.99E-05	2.96E-06	1.33E-05	2.20E-05	7.30E-07
3186	743896.14	4108771.15	1.16E-04	2.11E-04	1.16E-05	1.79E-05	3.45E-05	1.74E-06	1.74E-05	2.97E-05	2.20E-06	9.91E-06	1.64E-05	5.43E-07
3187	743873.03	4108735.15	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.43E-05	1.72E-06	1.73E-05	2.95E-05	2.19E-06	9.84E-06	1.63E-05	5.39E-07
3188	743849.91	4108699.16	1.13E-04	2.06E-04	1.13E-05	1.76E-05	3.38E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.71E-06	1.61E-05	5.32E-07
3189	744232.72	4108555.01	8.93E-05	1.63E-04	8.94E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
3190	744209.6	4108519.01	8.88E-05	1.62E-04	8.89E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.61E-06	1.26E-05	4.17E-07
3191	744186.49	4108483.02	8.80E-05	1.60E-04	8.81E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
3192	744569.3	4108338.87	7.23E-05	1.32E-04	7.23E-06	1.12E-05	2.16E-05	1.08E-06	1.09E-05	1.86E-05	1.38E-06	6.19E-06	1.02E-05	3.40E-07
3193	744546.18	4108302.87	7.20E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.17E-06	1.02E-05	3.39E-07
3194	744523.07	4108266.88	7.15E-05	1.30E-04	7.16E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.13E-06	1.01E-05	3.36E-07
3195	741844.75	4109956.74	5.92E-03	1.08E-02	5.92E-04	9.18E-04	1.77E-03	8.88E-05	8.92E-04	1.52E-03	1.13E-04	5.07E-04	8.39E-04	2.78E-05
3196	741799.11	4109926.51	3.08E-03	5.61E-03	3.08E-04	4.78E-04	9.21E-04	4.62E-05	4.65E-04	7.92E-04	5.87E-05	2.64E-04	4.37E-04	1.45E-05
3197	741879.74	4109854.25	2.60E-03	4.74E-03	2.60E-04	4.04E-04	7.77E-04	3.91E-05	3.92E-04	6.69E-04	4.96E-05	2.23E-04	3.69E-04	1.22E-05
3198	741785.7	4109905.41	2.45E-03	4.47E-03	2.46E-04	3.81E-04	7.33E-04	3.68E-05	3.70E-04	6.31E-04	4.68E-05	2.10E-04	3.48E-04	1.15E-05
3199	741852.92	4109812.06	1.61E-03	2.94E-03	1.61E-04	2.50E-04	4.81E-04	2.42E-05	2.43E-04	4.14E-04	3.07E-05	1.38E-04	2.28E-04	7.57E-06
3200	741740.06	4109875.17	1.67E-03	3.05E-03	1.67E-04	2.59E-04	5.00E-04	2.51E-05	2.52E-04	4.30E-04	3.19E-05	1.43E-04	2.37E-04	7.86E-06
3201	741828.78	4109769.39	1.11E-03	2.02E-03	1.11E-04	1.72E-04	3.31E-04	1.66E-05	1.67E-04	2.85E-04	2.11E-05	9.49E-05	1.57E-04	5.20E-06
3202	741871.73	4109761.81	1.18E-03	2.16E-03	1.18E-04	1.84E-04	3.54E-04	1.78E-05	1.78E-04	3.04E-04	2.26E-05	1.01E-04	1.68E-04	5.56E-06
3203	741843.12	4109719.93	8.58E-04	1.56E-03	8.58E-05	1.33E-04	2.56E-04	1.29E-05	1.29E-04	2.20E-04	1.63E-05	7.35E-05	1.22E-04	4.03E-06
3204	742020.58	4109734.17	1.51E-03	2.74E-03	1.51E-04	2.34E-04	4.50E-04	2.26E-05	2.27E-04	3.87E-04	2.87E-05	1.29E-04	2.13E-04	7.08E-06
3205	741815.15	4109677.93	6.57E-04	1.20E-03	6.58E-05	1.02E-04	1.96E-04	9.86E-06	9.91E-05	1.69E-04	1.25E-05	5.63E-05	9.32E-05	3.09E-06
3206	741958.65	4109652.6	7.73E-04	1.41E-03	7.73E-05	1.20E-04	2.31E-04	1.16E-05	1.17E-04	1.99E-04	1.47E-05	6.62E-05	1.10E-04	3.63E-06
3207	741734.84	4109700.75	6.26E-04	1.14E-03	6.27E-05	9.72E-05	1.87E-04	9.40E-06	9.45E-05	1.61E-04	1.19E-05	5.37E-05	8.88E-05	2.94E-06
3208	741697.22	4109724.67	6.69E-04	1.22E-03	6.70E-05	1.04E-04	2.00E-04	1.00E-05	1.01E-04	1.72E-04	1.28E-05	5.74E-05	9.49E-05	3.15E-06

3209	741659.59	4109748.59	7.15E-04	1.30E-03	7.15E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.84E-04	1.36E-05	6.12E-05	1.01E-04	3.36E-06
3210	741764.43	4109593.02	4.32E-04	7.88E-04	4.32E-05	6.70E-05	1.29E-04	6.49E-06	6.52E-05	1.11E-04	8.24E-06	3.70E-05	6.13E-05	2.03E-06
3211	741807.38	4109585.44	4.46E-04	8.12E-04	4.46E-05	6.91E-05	1.33E-04	6.69E-06	6.72E-05	1.15E-04	8.49E-06	3.82E-05	6.32E-05	2.09E-06
3212	741850.33	4109577.86	4.59E-04	8.37E-04	4.59E-05	7.12E-05	1.37E-04	6.89E-06	6.92E-05	1.18E-04	8.75E-06	3.93E-05	6.51E-05	2.16E-06
3213	741893.28	4109570.28	4.77E-04	8.69E-04	4.77E-05	7.39E-05	1.42E-04	7.16E-06	7.19E-05	1.23E-04	9.09E-06	4.09E-05	6.76E-05	2.24E-06
3214	742108.02	4109626.11	9.11E-04	1.66E-03	9.12E-05	1.41E-04	2.72E-04	1.37E-05	1.37E-04	2.34E-04	1.74E-05	7.81E-05	1.29E-04	4.28E-06
3215	741681.2	4109616.35	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.86E-06	3.53E-05	5.85E-05	1.94E-06
3216	741643.57	4109640.27	4.31E-04	7.85E-04	4.31E-05	6.68E-05	1.29E-04	6.46E-06	6.49E-05	1.11E-04	8.21E-06	3.69E-05	6.11E-05	2.02E-06
3217	741605.94	4109664.19	4.56E-04	8.32E-04	4.57E-05	7.08E-05	1.36E-04	6.85E-06	6.88E-05	1.17E-04	8.70E-06	3.91E-05	6.47E-05	2.15E-06
3218	741667.24	4109516.32	3.02E-04	5.50E-04	3.02E-05	4.68E-05	9.01E-05	4.53E-06	4.55E-05	7.75E-05	5.75E-06	2.58E-05	4.28E-05	1.42E-06
3219	741709	4109508.95	3.10E-04	5.65E-04	3.10E-05	4.81E-05	9.26E-05	4.65E-06	4.67E-05	7.97E-05	5.91E-06	2.66E-05	4.40E-05	1.46E-06
3220	741750.75	4109501.58	3.16E-04	5.77E-04	3.17E-05	4.91E-05	9.45E-05	4.75E-06	4.77E-05	8.13E-05	6.03E-06	2.71E-05	4.49E-05	1.49E-06
3221	741792.51	4109494.21	3.23E-04	5.89E-04	3.23E-05	5.01E-05	9.65E-05	4.85E-06	4.87E-05	8.30E-05	6.16E-06	2.77E-05	4.58E-05	1.52E-06
3222	741834.27	4109486.84	3.32E-04	6.05E-04	3.32E-05	5.15E-05	9.91E-05	4.98E-06	5.00E-05	8.53E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
3223	742074.37	4109490.02	4.67E-04	8.51E-04	4.67E-05	7.24E-05	1.40E-04	7.01E-06	7.04E-05	1.20E-04	8.90E-06	4.00E-05	6.62E-05	2.19E-06
3224	742109.16	4109514.26	5.36E-04	9.77E-04	5.36E-05	8.31E-05	1.60E-04	8.05E-06	8.09E-05	1.38E-04	1.02E-05	4.59E-05	7.60E-05	2.52E-06
3225	742143.95	4109538.49	6.21E-04	1.13E-03	6.21E-05	9.63E-05	1.86E-04	9.32E-06	9.37E-05	1.60E-04	1.18E-05	5.32E-05	8.81E-05	2.92E-06
3226	741627.55	4109531.96	2.99E-04	5.45E-04	2.99E-05	4.64E-05	8.94E-05	4.49E-06	4.51E-05	7.69E-05	5.70E-06	2.56E-05	4.24E-05	1.41E-06
3227	741589.92	4109555.88	3.07E-04	5.59E-04	3.07E-05	4.76E-05	9.16E-05	4.60E-06	4.62E-05	7.88E-05	5.84E-06	2.63E-05	4.35E-05	1.44E-06
3228	741552.29	4109579.8	3.19E-04	5.81E-04	3.19E-05	4.95E-05	9.53E-05	4.79E-06	4.81E-05	8.20E-05	6.08E-06	2.73E-05	4.52E-05	1.50E-06
3229	741614.19	4109431.82	2.32E-04	4.23E-04	2.32E-05	3.60E-05	6.93E-05	3.48E-06	3.50E-05	5.96E-05	4.42E-06	1.99E-05	3.29E-05	1.09E-06
3230	741657.14	4109424.24	2.37E-04	4.31E-04	2.37E-05	3.67E-05	7.07E-05	3.55E-06	3.57E-05	6.08E-05	4.51E-06	2.03E-05	3.36E-05	1.11E-06
3231	741700.09	4109416.66	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.17E-05	3.60E-06	3.62E-05	6.17E-05	4.57E-06	2.06E-05	3.40E-05	1.13E-06
3232	741743.04	4109409.08	2.44E-04	4.44E-04	2.44E-05	3.78E-05	7.28E-05	3.65E-06	3.67E-05	6.26E-05	4.64E-06	2.09E-05	3.45E-05	1.14E-06
3233	741785.99	4109401.5	2.48E-04	4.53E-04	2.49E-05	3.85E-05	7.42E-05	3.73E-06	3.75E-05	6.39E-05	4.73E-06	2.13E-05	3.52E-05	1.17E-06
3234	742097.37	4109393.4	3.48E-04	6.33E-04	3.48E-05	5.39E-05	1.04E-04	5.22E-06	5.24E-05	8.93E-05	6.62E-06	2.98E-05	4.93E-05	1.63E-06
3235	742133.16	4109418.33	3.90E-04	7.11E-04	3.91E-05	6.05E-05	1.17E-04	5.86E-06	5.89E-05	1.00E-04	7.44E-06	3.34E-05	5.53E-05	1.83E-06
3236	741573.9	4109447.57	2.31E-04	4.20E-04	2.31E-05	3.58E-05	6.89E-05	3.46E-06	3.48E-05	5.93E-05	4.39E-06	1.98E-05	3.27E-05	1.08E-06
3237	741536.27	4109471.49	2.34E-04	4.27E-04	2.35E-05	3.64E-05	7.00E-05	3.52E-06	3.53E-05	6.03E-05	4.47E-06	2.01E-05	3.32E-05	1.10E-06
3238	741498.65	4109495.41	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.17E-05	3.60E-06	3.62E-05	6.17E-05	4.57E-06	2.06E-05	3.40E-05	1.13E-06
3239	741560.99	4109347.35	1.86E-04	3.38E-04	1.86E-05	2.88E-05	5.55E-05	2.79E-06	2.80E-05	4.77E-05	3.54E-06	1.59E-05	2.63E-05	8.73E-07
3240	741604.83	4109339.61	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.63E-05	2.83E-06	2.84E-05	4.84E-05	3.59E-06	1.61E-05	2.67E-05	8.85E-07
3241	741648.68	4109331.87	1.90E-04	3.46E-04	1.90E-05	2.94E-05	5.67E-05	2.85E-06	2.86E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.92E-07
3242	741692.52	4109324.13	1.91E-04	3.49E-04	1.92E-05	2.97E-05	5.72E-05	2.87E-06	2.89E-05	4.92E-05	3.65E-06	1.64E-05	2.71E-05	9.00E-07
3243	741736.37	4109316.39	1.94E-04	3.54E-04	1.95E-05	3.01E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.70E-06	1.67E-05	2.76E-05	9.14E-07
3244	742120	4109296.52	2.70E-04	4.93E-04	2.71E-05	4.19E-05	8.08E-05	4.06E-06	4.08E-05	6.95E-05	5.15E-06	2.32E-05	3.83E-05	1.27E-06
3245	742156.54	4109321.97	2.99E-04	5.45E-04	3.00E-05	4.64E-05	8.94E-05	4.49E-06	4.51E-05	7.69E-05	5.70E-06	2.56E-05	4.24E-05	1.41E-06
3246	741520.25	4109363.18	1.85E-04	3.38E-04	1.86E-05	2.88E-05	5.54E-05	2.78E-06	2.80E-05	4.77E-05	3.53E-06	1.59E-05	2.63E-05	8.71E-07
3247	741482.63	4109387.1	1.88E-04	3.43E-04	1.88E-05	2.92E-05	5.62E-05	2.82E-06	2.84E-05	4.83E-05	3.58E-06	1.61E-05	2.67E-05	8.84E-07
3248	741445	4109411.02	1.91E-04	3.48E-04	1.91E-05	2.96E-05	5.70E-05	2.86E-06	2.88E-05	4.90E-05	3.63E-06	1.63E-05	2.70E-05	8.96E-07
3249	741497.24	4109170.88	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
3250	741540.88	4109163.18	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
3251	741584.52	4109155.47	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.94E-06	1.94E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.06E-07
3252	741628.16	4109147.77	1.29E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.08E-07
3253	741671.81	4109140.07	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.97E-06	1.98E-05	3.37E-05	2.50E-06	1.12E-05	1.86E-05	6.16E-07
3254	741715.45	4109132.37	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.42E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
3255	741759.09	4109124.66	1.35E-04	2.46E-04	1.35E-05	2.09E-05	4.03E-05	2.02E-06	2.03E-05	3.47E-05	2.57E-06	1.16E-05	1.91E-05	6.34E-07
3256	741802.74	4109116.96	1.38E-04	2.51E-04	1.38E-05	2.13E-05	4.11E-05	2.06E-06	2.07E-05	3.54E-05	2.62E-06	1.18E-05	1.95E-05	6.47E-07
3257	741846.38	4109109.26	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.21E-05	2.12E-06	2.13E-05	3.62E-05	2.69E-06	1.21E-05	2.00E-05	6.63E-07
3258	741890.02	4109101.55	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
3259	741933.66	4109093.85	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.42E-05	2.22E-06	2.23E-05	3.80E-05	2.82E-06	1.27E-05	2.10E-05	6.95E-07
3260	741977.31	4109086.15	1.51E-04	2.74E-04	1.51E-05	2.33E-05	4.50E-05	2.26E-06	2.27E-05	3.87E-05	2.87E-06	1.29E-05	2.13E-05	7.07E-07
3261	742020.95	4109078.44	1.53E-04	2.79E-04	1.53E-05	2.38E-05	4.58E-05	2.30E-06	2.31E-05	3.94E-05	2.92E-06	1.31E-05	2.17E-05	7.20E-07
3262	742064.59	4109070.74	1.56E-04	2.84E-04	1.56E-05	2.42E-05	4.66E-05	2.34E-06	2.35E-05	4.01E-05	2.97E-06	1.34E-05	2.21E-05	7.33E-07
3263	742126.42	4109075.7	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.76E-07
3264	742162.78	4109101.03	1.79E-04	3.26E-04	1.79E-05	2.77E-05	5.34E-05	2.68E-06	2.70E-05	4.60E-05	3.41E-06	1.53E-05	2.54E-05	8.40E-07
3265	742199.15	4109126.36	1.94E-04	3.54E-04	1.94E-05	3.01E-05	5.80E-05	2.91E-06	2.93E-05	4.99E-05	3.70E-06	1.66E-05	2.75E-05	9.12E-07
3266	741412.96	4109194.4	1.30E-04	2.36E-04	1.30E-05	2.01E-05	3.87E-05	1.95E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.84E-05	6.09E-07
3267	741375.33	4109218.32	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
3268	741337.7	4109242.24	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	2.00E-06	2.01E-05	3.42E-05	2.53E-06	1.14E-05	1.89E-05	6.25E-07
3269	741346.24	4109009.81	9.57E-05	1.74E-04	9.58E-06	1.48E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.82E-06	8.20E-06	1.36E-05	4.50E-07
3270	741389.75	4109002.13	9.53E-05	1.74E-04	9.54E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.17E-06	1.35E-05	4.48E-07
3271	741433.27	4108994.45	9.48E-05	1.73E-04	9.49E-06	1.47E-05	2.83E-05	1.42E-06	1.43E-05	2.44E-05	1.81E-06	8.13E-06	1.34E-05	4.46E-07
3272	741476.78	4108986.77	9.43E-05	1.72E-04	9.43E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.42E-05	1.80E-06	8.08E-06	1.34E-05	4.43E-07
3273	741520.3	4108979.09	9.40E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
3274	741563.81	4108971.41	9.44E-05	1.72E-04	9.45E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.43E-05	1.80E-06	8.09E-06	1.34E-05	4.44E-07
3275	741607.33	4108963.73	9.54E-05	1.74E-04	9.54E-06	1.48E-05	2.85E-05	1.43E-06	1.44E-05	2.45E-05	1.82E-06	8.17E-06	1.35E-05	4.48E-07
3276	741650.84	4108956.05	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
3277	741694.36	4108948.37	9.83E-05	1.79E-04	9.83E-06	1.52E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.87E-06	8.42E-06	1.39E-05	4.62E-07
3278	741737.87	4108940.69	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.57E-06	1.42E-05	4.70E-07
3279	741781.39	4108933.01	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.74E-06	1.45E-05	4.79E-07
3280	741824.9	4108925.33	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
3281	741868.42	4108917.64	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07

3282	741911.93	4108909.96	1.09E-04	1.98E-04	1.09E-05	1.68E-05	3.24E-05	1.63E-06	1.64E-05	2.79E-05	2.07E-06	9.30E-06	1.54E-05	5.10E-07
3283	741955.45	4108902.28	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.66E-05	2.84E-05	2.10E-06	9.46E-06	1.57E-05	5.19E-07
3284	741998.96	4108894.6	1.12E-04	2.04E-04	1.12E-05	1.74E-05	3.35E-05	1.68E-06	1.69E-05	2.88E-05	2.13E-06	9.60E-06	1.59E-05	5.26E-07
3285	742042.48	4108886.92	1.13E-04	2.07E-04	1.13E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.91E-05	2.16E-06	9.71E-06	1.61E-05	5.33E-07
3286	742085.99	4108879.24	1.14E-04	2.09E-04	1.15E-05	1.77E-05	3.42E-05	1.72E-06	1.73E-05	2.94E-05	2.18E-06	9.81E-06	1.62E-05	5.38E-07
3287	742129.51	4108871.56	1.16E-04	2.11E-04	1.16E-05	1.79E-05	3.46E-05	1.74E-06	1.74E-05	2.97E-05	2.20E-06	9.91E-06	1.64E-05	5.44E-07
3288	742169.39	4108880.35	1.20E-04	2.19E-04	1.20E-05	1.87E-05	3.59E-05	1.81E-06	1.81E-05	3.09E-05	2.29E-06	1.03E-05	1.71E-05	5.65E-07
3289	742205.65	4108905.6	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.94E-06	1.94E-05	3.31E-05	2.46E-06	1.10E-05	1.83E-05	6.06E-07
3290	742241.91	4108930.86	1.38E-04	2.52E-04	1.38E-05	2.15E-05	4.14E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.50E-07
3291	741305.66	4109025.61	9.71E-05	1.77E-04	9.71E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
3292	741268.04	4109049.53	9.92E-05	1.81E-04	9.92E-06	1.54E-05	2.96E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.50E-06	1.41E-05	4.66E-07
3293	741230.41	4109073.45	1.00E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.61E-06	1.42E-05	4.72E-07
3294	741282.32	4108833.37	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
3295	741325.75	4108825.71	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
3296	741369.18	4108818.04	7.27E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.38E-06	6.23E-06	1.03E-05	3.42E-07
3297	741412.6	4108810.38	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
3298	741456.03	4108802.71	7.24E-05	1.32E-04	7.24E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
3299	741499.46	4108795.05	7.27E-05	1.33E-04	7.28E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.23E-06	1.03E-05	3.42E-07
3300	741542.89	4108787.38	7.35E-05	1.34E-04	7.35E-06	1.14E-05	2.19E-05	1.10E-06	1.11E-05	1.89E-05	1.40E-06	6.29E-06	1.04E-05	3.45E-07
3301	741586.31	4108779.72	7.45E-05	1.36E-04	7.45E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
3302	741629.74	4108772.05	7.56E-05	1.38E-04	7.57E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.94E-05	1.44E-06	6.48E-06	1.07E-05	3.55E-07
3303	741673.17	4108764.39	7.69E-05	1.40E-04	7.70E-06	1.19E-05	2.30E-05	1.15E-06	1.16E-05	1.98E-05	1.47E-06	6.59E-06	1.09E-05	3.62E-07
3304	741716.6	4108756.72	7.83E-05	1.43E-04	7.83E-06	1.21E-05	2.34E-05	1.18E-06	1.18E-05	2.01E-05	1.49E-06	6.71E-06	1.11E-05	3.68E-07
3305	741760.02	4108749.06	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.74E-07
3306	741803.45	4108741.39	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
3307	741846.88	4108733.73	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
3308	741890.3	4108726.06	8.40E-05	1.53E-04	8.41E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.20E-06	1.19E-05	3.95E-07
3309	741933.73	4108718.39	8.54E-05	1.56E-04	8.55E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.20E-05	1.63E-06	7.32E-06	1.21E-05	4.01E-07
3310	741977.16	4108710.73	8.66E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.42E-06	1.23E-05	4.07E-07
3311	742020.59	4108703.06	8.75E-05	1.59E-04	8.76E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.50E-06	1.24E-05	4.11E-07
3312	742064.01	4108695.4	8.80E-05	1.60E-04	8.81E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
3313	742107.44	4108687.73	8.84E-05	1.61E-04	8.84E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
3314	742150.87	4108680.07	8.89E-05	1.62E-04	8.89E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.61E-06	1.26E-05	4.18E-07
3315	742212.39	4108685.01	9.25E-05	1.69E-04	9.26E-06	1.43E-05	2.76E-05	1.39E-06	1.40E-05	2.38E-05	1.76E-06	7.93E-06	1.31E-05	4.35E-07
3316	742248.57	4108710.21	9.84E-05	1.79E-04	9.84E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.87E-06	8.43E-06	1.39E-05	4.62E-07
3317	742284.76	4108735.42	1.05E-04	1.91E-04	1.05E-05	1.62E-05	3.13E-05	1.57E-06	1.58E-05	2.69E-05	2.00E-06	8.98E-06	1.49E-05	4.92E-07
3318	741198.37	4108856.83	7.59E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.45E-06	6.50E-06	1.08E-05	3.57E-07
3319	741160.74	4108880.75	7.79E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.68E-06	1.10E-05	3.66E-07
3320	741123.11	4108904.67	7.94E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
3321	741131.57	4108672.26	5.99E-05	1.09E-04	5.99E-06	9.28E-06	1.79E-05	8.98E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.81E-07
3322	741174.93	4108664.6	5.91E-05	1.08E-04	5.91E-06	9.17E-06	1.77E-05	8.87E-07	8.91E-06	1.52E-05	1.13E-06	5.07E-06	8.38E-06	2.78E-07
3323	741218.29	4108656.95	5.85E-05	1.07E-04	5.86E-06	9.08E-06	1.75E-05	8.78E-07	8.82E-06	1.50E-05	1.12E-06	5.01E-06	8.30E-06	2.75E-07
3324	741261.66	4108649.3	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
3325	741305.02	4108641.64	5.79E-05	1.05E-04	5.79E-06	8.98E-06	1.73E-05	8.69E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.21E-06	2.72E-07
3326	741348.38	4108633.99	5.78E-05	1.05E-04	5.79E-06	8.97E-06	1.73E-05	8.68E-07	8.72E-06	1.49E-05	1.10E-06	4.95E-06	8.20E-06	2.72E-07
3327	741391.75	4108626.34	5.80E-05	1.06E-04	5.80E-06	8.99E-06	1.73E-05	8.70E-07	8.74E-06	1.49E-05	1.10E-06	4.97E-06	8.22E-06	2.72E-07
3328	741435.11	4108618.68	5.83E-05	1.06E-04	5.84E-06	9.04E-06	1.74E-05	8.75E-07	8.79E-06	1.50E-05	1.11E-06	5.00E-06	8.27E-06	2.74E-07
3329	741478.47	4108611.03	5.89E-05	1.07E-04	5.89E-06	9.13E-06	1.76E-05	8.84E-07	8.88E-06	1.51E-05	1.12E-06	5.04E-06	8.35E-06	2.77E-07
3330	741521.84	4108603.37	5.96E-05	1.09E-04	5.96E-06	9.24E-06	1.78E-05	8.95E-07	8.99E-06	1.53E-05	1.14E-06	5.11E-06	8.45E-06	2.80E-07
3331	741565.2	4108595.72	6.05E-05	1.10E-04	6.06E-06	9.38E-06	1.81E-05	9.08E-07	9.13E-06	1.56E-05	1.15E-06	5.19E-06	8.58E-06	2.84E-07
3332	741608.56	4108588.07	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.23E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
3333	741651.92	4108580.41	6.26E-05	1.14E-04	6.26E-06	9.70E-06	1.87E-05	9.39E-07	9.43E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
3334	741695.29	4108572.76	6.35E-05	1.16E-04	6.36E-06	9.85E-06	1.90E-05	9.54E-07	9.58E-06	1.63E-05	1.21E-06	5.44E-06	9.01E-06	2.99E-07
3335	741738.65	4108565.11	6.45E-05	1.18E-04	6.45E-06	1.00E-05	1.93E-05	9.68E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.14E-06	3.03E-07
3336	741782.01	4108557.45	6.54E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.82E-07	9.86E-06	1.68E-05	1.25E-06	5.60E-06	9.27E-06	3.07E-07
3337	741825.38	4108549.8	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
3338	741868.74	4108542.15	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.73E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
3339	741912.1	4108534.49	6.86E-05	1.25E-04	6.86E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.88E-06	9.72E-06	3.22E-07
3340	741955.46	4108526.84	6.96E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.33E-06	5.96E-06	9.87E-06	3.27E-07
3341	741998.83	4108519.18	7.04E-05	1.28E-04	7.04E-06	1.09E-05	2.10E-05	1.06E-06	1.06E-05	1.81E-05	1.34E-06	6.03E-06	9.98E-06	3.31E-07
3342	742042.19	4108511.53	7.08E-05	1.29E-04	7.08E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
3343	742085.55	4108503.88	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.01E-05	3.33E-07
3344	742128.92	4108496.22	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.01E-05	3.33E-07
3345	742172.28	4108488.57	7.10E-05	1.29E-04	7.11E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.35E-06	6.09E-06	1.01E-05	3.34E-07
3346	742215.64	4108480.92	7.16E-05	1.30E-04	7.16E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.13E-06	1.01E-05	3.36E-07
3347	742255.39	4108489.67	7.39E-05	1.35E-04	7.39E-06	1.15E-05	2.21E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.33E-06	1.05E-05	3.47E-07
3348	742291.52	4108514.84	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
3349	742327.65	4108540.01	8.28E-05	1.51E-04	8.28E-06	1.28E-05	2.47E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.09E-06	1.17E-05	3.89E-07
3350	741091.07	4108688.05	6.13E-05	1.12E-04	6.13E-06	9.50E-06	1.83E-05	9.19E-07	9.24E-06	1.57E-05	1.17E-06	5.25E-06	8.68E-06	2.88E-07
3351	741053.45	4108711.97	6.31E-05	1.15E-04	6.31E-06	9.79E-06	1.89E-05	9.47E-07	9.52E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.97E-07
3352	741015.82	4108735.89	6.45E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.68E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
3353	740916.94	4108334.7	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
3354	740960.21	4108327.06	4.09E-05	7.46E-05	4.10E-06	6.35E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.80E-07	3.51E-06	5.80E-06	1.92E-07

3355	741003.49	4108319.42	4.04E-05	7.36E-05	4.04E-06	6.26E-06	1.21E-05	6.06E-07	6.09E-06	1.04E-05	7.69E-07	3.46E-06	5.73E-06	1.90E-07
3356	741046.76	4108311.79	4.00E-05	7.30E-05	4.01E-06	6.21E-06	1.20E-05	6.01E-07	6.04E-06	1.03E-05	7.63E-07	3.43E-06	5.68E-06	1.88E-07
3357	741090.04	4108304.15	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.60E-07	3.42E-06	5.66E-06	1.88E-07
3358	741133.31	4108296.51	3.99E-05	7.28E-05	4.00E-06	6.19E-06	1.19E-05	6.00E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
3359	741176.59	4108288.87	4.01E-05	7.31E-05	4.01E-06	6.22E-06	1.20E-05	6.02E-07	6.05E-06	1.03E-05	7.64E-07	3.44E-06	5.69E-06	1.88E-07
3360	741219.86	4108281.23	4.03E-05	7.35E-05	4.04E-06	6.26E-06	1.21E-05	6.05E-07	6.08E-06	1.04E-05	7.69E-07	3.46E-06	5.72E-06	1.90E-07
3361	741263.14	4108273.59	4.06E-05	7.39E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.73E-07	3.48E-06	5.75E-06	1.91E-07
3362	741306.41	4108265.96	4.08E-05	7.44E-05	4.08E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
3363	741349.69	4108258.32	4.11E-05	7.49E-05	4.11E-06	6.38E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.83E-07	3.52E-06	5.83E-06	1.93E-07
3364	741392.96	4108250.68	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
3365	741436.24	4108243.04	4.19E-05	7.64E-05	4.20E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.99E-07	3.59E-06	5.95E-06	1.97E-07
3366	741479.51	4108235.4	4.25E-05	7.75E-05	4.25E-06	6.59E-06	1.27E-05	6.38E-07	6.41E-06	1.09E-05	8.10E-07	3.64E-06	6.03E-06	2.00E-07
3367	741522.79	4108227.76	4.31E-05	7.86E-05	4.32E-06	6.69E-06	1.29E-05	6.48E-07	6.51E-06	1.11E-05	8.22E-07	3.70E-06	6.12E-06	2.03E-07
3368	741566.07	4108220.13	4.38E-05	7.99E-05	4.38E-06	6.80E-06	1.31E-05	6.58E-07	6.61E-06	1.13E-05	8.35E-07	3.76E-06	6.21E-06	2.06E-07
3369	741609.34	4108212.49	4.45E-05	8.10E-05	4.45E-06	6.90E-06	1.33E-05	6.67E-07	6.71E-06	1.14E-05	8.47E-07	3.81E-06	6.30E-06	2.09E-07
3370	741652.62	4108204.85	4.51E-05	8.21E-05	4.51E-06	6.99E-06	1.35E-05	6.76E-07	6.79E-06	1.16E-05	8.59E-07	3.86E-06	6.39E-06	2.12E-07
3371	741695.89	4108197.21	4.56E-05	8.31E-05	4.56E-06	7.07E-06	1.36E-05	6.84E-07	6.87E-06	1.17E-05	8.69E-07	3.91E-06	6.46E-06	2.14E-07
3372	741739.17	4108189.57	4.61E-05	8.39E-05	4.61E-06	7.14E-06	1.38E-05	6.91E-07	6.95E-06	1.18E-05	8.78E-07	3.95E-06	6.53E-06	2.16E-07
3373	741782.44	4108181.93	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
3374	741825.72	4108174.3	4.71E-05	8.59E-05	4.72E-06	7.31E-06	1.41E-05	7.07E-07	7.11E-06	1.21E-05	8.98E-07	4.04E-06	6.68E-06	2.21E-07
3375	741868.99	4108166.66	4.78E-05	8.70E-05	4.78E-06	7.41E-06	1.43E-05	7.17E-07	7.20E-06	1.23E-05	9.10E-07	4.09E-06	6.77E-06	2.24E-07
3376	741912.27	4108159.02	4.84E-05	8.82E-05	4.84E-06	7.51E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
3377	741955.54	4108151.38	4.90E-05	8.93E-05	4.90E-06	7.60E-06	1.46E-05	7.35E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
3378	741998.82	4108143.74	4.95E-05	9.02E-05	4.95E-06	7.67E-06	1.48E-05	7.43E-07	7.46E-06	1.27E-05	9.43E-07	4.24E-06	7.02E-06	2.33E-07
3379	742042.09	4108136.1	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
3380	742085.37	4108128.47	4.98E-05	9.08E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
3381	742128.64	4108120.83	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.46E-07	7.49E-06	1.28E-05	9.47E-07	4.26E-06	7.04E-06	2.33E-07
3382	742171.92	4108113.19	4.94E-05	9.01E-05	4.95E-06	7.67E-06	1.48E-05	7.42E-07	7.46E-06	1.27E-05	9.42E-07	4.24E-06	7.01E-06	2.32E-07
3383	742215.19	4108105.55	4.93E-05	8.98E-05	4.93E-06	7.64E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
3384	742258.47	4108097.91	4.93E-05	8.98E-05	4.93E-06	7.65E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
3385	742301.75	4108090.27	4.96E-05	9.04E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.48E-06	1.28E-05	9.46E-07	4.25E-06	7.04E-06	2.33E-07
3386	742341.41	4108099.01	5.10E-05	9.29E-05	5.10E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
3387	742377.47	4108124.13	5.35E-05	9.75E-05	5.35E-06	8.29E-06	1.60E-05	8.03E-07	8.07E-06	1.37E-05	1.02E-06	4.58E-06	7.58E-06	2.51E-07
3388	742413.53	4108149.25	5.63E-05	1.03E-04	5.64E-06	8.74E-06	1.68E-05	8.46E-07	8.50E-06	1.45E-05	1.07E-06	4.83E-06	7.99E-06	2.65E-07
3389	742449.59	4108174.36	5.94E-05	1.08E-04	5.94E-06	9.20E-06	1.77E-05	8.91E-07	8.95E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
3390	742485.65	4108199.48	6.23E-05	1.13E-04	6.23E-06	9.66E-06	1.86E-05	9.35E-07	9.39E-06	1.60E-05	1.19E-06	5.34E-06	8.83E-06	2.93E-07
3391	742521.71	4108224.6	6.48E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.77E-06	1.67E-05	1.24E-06	5.55E-06	9.19E-06	3.05E-07
3392	742557.77	4108249.71	6.68E-05	1.22E-04	6.68E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.72E-06	9.47E-06	3.14E-07
3393	742593.83	4108274.83	6.81E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.84E-06	9.66E-06	3.20E-07
3394	742629.89	4108299.94	6.89E-05	1.26E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.77E-06	3.24E-07
3395	742665.95	4108325.06	6.94E-05	1.26E-04	6.94E-06	1.08E-05	2.07E-05	1.04E-06	1.05E-05	1.78E-05	1.32E-06	5.94E-06	9.83E-06	3.26E-07
3396	742702	4108350.18	6.99E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.28E-07
3397	742738.06	4108375.29	7.06E-05	1.29E-04	7.07E-06	1.10E-05	2.11E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.05E-06	1.00E-05	3.32E-07
3398	742774.12	4108400.41	7.19E-05	1.31E-04	7.19E-06	1.11E-05	2.15E-05	1.08E-06	1.08E-05	1.85E-05	1.37E-06	6.16E-06	1.02E-05	3.38E-07
3399	742810.18	4108425.53	7.37E-05	1.34E-04	7.37E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.89E-05	1.40E-06	6.32E-06	1.05E-05	3.46E-07
3400	742846.24	4108450.64	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
3401	742882.3	4108475.76	7.93E-05	1.45E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.12E-05	3.73E-07
3402	742918.36	4108500.88	8.32E-05	1.52E-04	8.33E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.13E-06	1.18E-05	3.91E-07
3403	742954.42	4108525.99	8.79E-05	1.60E-04	8.80E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.53E-06	1.25E-05	4.13E-07
3404	742990.48	4108551.11	9.33E-05	1.70E-04	9.33E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	7.99E-06	1.32E-05	4.38E-07
3405	743026.54	4108576.22	9.92E-05	1.81E-04	9.93E-06	1.54E-05	2.96E-05	1.49E-06	1.50E-05	2.55E-05	1.89E-06	8.50E-06	1.41E-05	4.66E-07
3406	743062.6	4108601.34	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.59E-05	2.72E-05	2.01E-06	9.05E-06	1.50E-05	4.96E-07
3407	743098.66	4108626.46	1.12E-04	2.05E-04	1.12E-05	1.74E-05	3.36E-05	1.69E-06	1.69E-05	2.89E-05	2.14E-06	9.63E-06	1.59E-05	5.28E-07
3408	743134.72	4108651.57	1.19E-04	2.17E-04	1.19E-05	1.85E-05	3.56E-05	1.79E-06	1.80E-05	3.06E-05	2.27E-06	1.02E-05	1.69E-05	5.60E-07
3409	743170.77	4108676.69	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.75E-05	1.88E-06	1.89E-05	3.23E-05	2.39E-06	1.08E-05	1.78E-05	5.90E-07
3410	743206.83	4108701.81	1.31E-04	2.39E-04	1.31E-05	2.04E-05	3.92E-05	1.97E-06	1.98E-05	3.38E-05	2.50E-06	1.13E-05	1.86E-05	6.17E-07
3411	743242.89	4108726.92	1.36E-04	2.48E-04	1.36E-05	2.11E-05	4.06E-05	2.04E-06	2.05E-05	3.50E-05	2.59E-06	1.17E-05	1.93E-05	6.39E-07
3412	743278.95	4108752.04	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.59E-05	2.66E-06	1.20E-05	1.98E-05	6.57E-07
3413	743315.01	4108777.16	1.43E-04	2.60E-04	1.43E-05	2.21E-05	4.26E-05	2.14E-06	2.15E-05	3.67E-05	2.72E-06	1.22E-05	2.02E-05	6.70E-07
3414	743351.07	4108802.27	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.81E-07
3415	743387.13	4108827.39	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.92E-07
3416	743423.19	4108852.5	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.48E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.04E-07
3417	743459.25	4108877.62	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
3418	740876.48	4108350.48	4.27E-05	7.78E-05	4.27E-06	6.62E-06	1.28E-05	6.41E-07	6.44E-06	1.10E-05	8.14E-07	3.66E-06	6.05E-06	2.01E-07
3419	740838.86	4108374.4	4.41E-05	8.03E-05	4.41E-06	6.84E-06	1.32E-05	6.62E-07	6.65E-06	1.13E-05	8.40E-07	3.78E-06	6.25E-06	2.07E-07
3420	740801.23	4108398.32	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.82E-06	1.16E-05	8.62E-07	3.88E-06	6.42E-06	2.13E-07
3421	740746.36	4107989.37	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.57E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
3422	740790.12	4107981.64	2.99E-05	5.46E-05	3.00E-06	4.64E-06	8.95E-06	4.49E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
3423	740833.89	4107973.92	2.96E-05	5.40E-05	2.96E-06	4.59E-06	8.85E-06	4.45E-07	4.47E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
3424	740877.65	4107966.19	2.95E-05	5.37E-05	2.95E-06	4.57E-06	8.81E-06	4.43E-07	4.45E-06	7.58E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
3425	740921.42	4107958.47	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3426	740965.18	4107950.74	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
3427	741008.95	4107943.02	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07

3428	741052.71	4107935.29	3.02E-05	5.51E-05	3.02E-06	4.69E-06	9.03E-06	4.53E-07	4.56E-06	7.77E-06	5.76E-07	2.59E-06	4.28E-06	1.42E-07
3429	741096.48	4107927.57	3.04E-05	5.55E-05	3.05E-06	4.72E-06	9.10E-06	4.57E-07	4.59E-06	7.83E-06	5.80E-07	2.61E-06	4.32E-06	1.43E-07
3430	741140.24	4107919.84	3.06E-05	5.58E-05	3.07E-06	4.75E-06	9.15E-06	4.60E-07	4.62E-06	7.88E-06	5.84E-07	2.63E-06	4.34E-06	1.44E-07
3431	741184.01	4107912.12	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.20E-06	4.62E-07	4.64E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
3432	741227.78	4107904.39	3.09E-05	5.63E-05	3.09E-06	4.79E-06	9.23E-06	4.64E-07	4.66E-06	7.94E-06	5.89E-07	2.65E-06	4.38E-06	1.45E-07
3433	741271.54	4107896.67	3.10E-05	5.66E-05	3.11E-06	4.81E-06	9.27E-06	4.66E-07	4.68E-06	7.98E-06	5.91E-07	2.66E-06	4.40E-06	1.46E-07
3434	741315.31	4107888.94	3.12E-05	5.69E-05	3.13E-06	4.84E-06	9.33E-06	4.69E-07	4.71E-06	8.03E-06	5.95E-07	2.68E-06	4.43E-06	1.47E-07
3435	741359.07	4107881.22	3.15E-05	5.75E-05	3.16E-06	4.89E-06	9.42E-06	4.73E-07	4.76E-06	8.11E-06	6.01E-07	2.70E-06	4.47E-06	1.48E-07
3436	741402.84	4107873.49	3.20E-05	5.82E-05	3.20E-06	4.96E-06	9.55E-06	4.80E-07	4.82E-06	8.22E-06	6.09E-07	2.74E-06	4.53E-06	1.50E-07
3437	741446.6	4107865.77	3.25E-05	5.92E-05	3.25E-06	5.04E-06	9.70E-06	4.87E-07	4.90E-06	8.35E-06	6.19E-07	2.78E-06	4.60E-06	1.53E-07
3438	741490.37	4107858.04	3.30E-05	6.02E-05	3.30E-06	5.12E-06	9.86E-06	4.96E-07	4.98E-06	8.49E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
3439	741534.13	4107850.32	3.35E-05	6.11E-05	3.36E-06	5.20E-06	1.00E-05	5.03E-07	5.06E-06	8.62E-06	6.39E-07	2.87E-06	4.76E-06	1.58E-07
3440	741577.9	4107842.59	3.40E-05	6.20E-05	3.40E-06	5.27E-06	1.02E-05	5.10E-07	5.13E-06	8.74E-06	6.48E-07	2.91E-06	4.82E-06	1.60E-07
3441	741621.66	4107834.87	3.44E-05	6.27E-05	3.44E-06	5.33E-06	1.03E-05	5.16E-07	5.19E-06	8.84E-06	6.55E-07	2.95E-06	4.88E-06	1.62E-07
3442	741665.43	4107827.14	3.47E-05	6.32E-05	3.47E-06	5.38E-06	1.04E-05	5.21E-07	5.23E-06	8.92E-06	6.61E-07	2.97E-06	4.92E-06	1.63E-07
3443	741709.2	4107819.42	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
3444	741752.96	4107811.7	3.52E-05	6.41E-05	3.52E-06	5.45E-06	1.05E-05	5.28E-07	5.30E-06	9.04E-06	6.70E-07	3.01E-06	4.98E-06	1.65E-07
3445	741796.73	4107803.97	3.54E-05	6.46E-05	3.54E-06	5.49E-06	1.06E-05	5.32E-07	5.34E-06	9.11E-06	6.75E-07	3.04E-06	5.02E-06	1.66E-07
3446	741840.49	4107796.25	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.39E-06	9.19E-06	6.81E-07	3.06E-06	5.07E-06	1.68E-07
3447	741884.26	4107788.52	3.62E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.46E-06	9.30E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
3448	741928.02	4107780.8	3.66E-05	6.68E-05	3.67E-06	5.68E-06	1.09E-05	5.50E-07	5.53E-06	9.42E-06	6.98E-07	3.14E-06	5.19E-06	1.72E-07
3449	741971.79	4107773.07	3.71E-05	6.76E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.53E-06	7.06E-07	3.18E-06	5.26E-06	1.74E-07
3450	742015.55	4107765.35	3.74E-05	6.82E-05	3.74E-06	5.80E-06	1.12E-05	5.62E-07	5.64E-06	9.62E-06	7.13E-07	3.21E-06	5.31E-06	1.76E-07
3451	742059.32	4107757.62	3.76E-05	6.85E-05	3.76E-06	5.83E-06	1.12E-05	5.65E-07	5.67E-06	9.67E-06	7.17E-07	3.22E-06	5.33E-06	1.77E-07
3452	742103.08	4107749.9	3.76E-05	6.86E-05	3.77E-06	5.84E-06	1.12E-05	5.65E-07	5.68E-06	9.68E-06	7.17E-07	3.23E-06	5.34E-06	1.77E-07
3453	742146.85	4107742.17	3.75E-05	6.83E-05	3.75E-06	5.81E-06	1.12E-05	5.63E-07	5.65E-06	9.64E-06	7.15E-07	3.21E-06	5.32E-06	1.76E-07
3454	742190.62	4107734.45	3.72E-05	6.78E-05	3.72E-06	5.77E-06	1.11E-05	5.59E-07	5.61E-06	9.57E-06	7.09E-07	3.19E-06	5.28E-06	1.75E-07
3455	742234.38	4107726.72	3.69E-05	6.72E-05	3.69E-06	5.72E-06	1.10E-05	5.54E-07	5.57E-06	9.49E-06	7.03E-07	3.16E-06	5.23E-06	1.73E-07
3456	742278.15	4107719	3.67E-05	6.68E-05	3.67E-06	5.69E-06	1.10E-05	5.50E-07	5.53E-06	9.42E-06	6.99E-07	3.14E-06	5.20E-06	1.72E-07
3457	742321.91	4107711.27	3.66E-05	6.66E-05	3.66E-06	5.67E-06	1.09E-05	5.49E-07	5.51E-06	9.40E-06	6.97E-07	3.13E-06	5.19E-06	1.72E-07
3458	742365.68	4107703.55	3.67E-05	6.69E-05	3.67E-06	5.69E-06	1.10E-05	5.51E-07	5.54E-06	9.44E-06	7.00E-07	3.15E-06	5.21E-06	1.73E-07
3459	742427.68	4107708.52	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.74E-06	7.22E-07	3.25E-06	5.37E-06	1.78E-07
3460	742464.14	4107733.92	3.96E-05	7.22E-05	3.97E-06	6.15E-06	1.18E-05	5.95E-07	5.98E-06	1.02E-05	7.55E-07	3.40E-06	5.62E-06	1.86E-07
3461	742500.61	4107759.33	4.16E-05	7.59E-05	4.17E-06	6.46E-06	1.24E-05	6.25E-07	6.28E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
3462	742537.08	4107784.73	4.38E-05	7.97E-05	4.38E-06	6.79E-06	1.31E-05	6.57E-07	6.60E-06	1.12E-05	8.34E-07	3.75E-06	6.20E-06	2.06E-07
3463	742573.55	4107810.13	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.74E-07	3.93E-06	6.51E-06	2.16E-07
3464	742610.01	4107835.53	4.78E-05	8.71E-05	4.78E-06	7.41E-06	1.43E-05	7.17E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
3465	742646.48	4107860.93	4.93E-05	8.99E-05	4.94E-06	7.65E-06	1.47E-05	7.41E-07	7.44E-06	1.27E-05	9.40E-07	4.23E-06	7.00E-06	2.32E-07
3466	742682.95	4107886.33	5.04E-05	9.19E-05	5.04E-06	7.82E-06	1.51E-05	7.57E-07	7.60E-06	1.30E-05	9.61E-07	4.32E-06	7.15E-06	2.37E-07
3467	742719.42	4107911.73	5.10E-05	9.29E-05	5.10E-06	7.91E-06	1.52E-05	7.65E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
3468	742755.89	4107937.13	5.12E-05	9.32E-05	5.12E-06	7.93E-06	1.53E-05	7.68E-07	7.71E-06	1.32E-05	9.75E-07	4.38E-06	7.25E-06	2.40E-07
3469	742792.35	4107962.53	5.11E-05	9.31E-05	5.11E-06	7.92E-06	1.53E-05	7.67E-07	7.70E-06	1.31E-05	9.74E-07	4.38E-06	7.24E-06	2.40E-07
3470	742828.82	4107987.93	5.10E-05	9.30E-05	5.11E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
3471	742865.29	4108013.33	5.12E-05	9.33E-05	5.12E-06	7.94E-06	1.53E-05	7.68E-07	7.72E-06	1.32E-05	9.75E-07	4.39E-06	7.26E-06	2.41E-07
3472	742901.76	4108038.73	5.17E-05	9.42E-05	5.17E-06	8.02E-06	1.54E-05	7.76E-07	7.80E-06	1.33E-05	9.85E-07	4.43E-06	7.33E-06	2.43E-07
3473	742938.22	4108064.13	5.26E-05	9.59E-05	5.26E-06	8.16E-06	1.57E-05	7.90E-07	7.93E-06	1.35E-05	1.00E-06	4.51E-06	7.46E-06	2.47E-07
3474	742974.69	4108089.54	5.39E-05	9.83E-05	5.40E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.65E-06	2.53E-07
3475	743011.16	4108114.94	5.55E-05	1.01E-04	5.56E-06	8.61E-06	1.66E-05	8.34E-07	8.38E-06	1.43E-05	1.06E-06	4.76E-06	7.88E-06	2.61E-07
3476	743047.63	4108140.34	5.75E-05	1.05E-04	5.75E-06	8.92E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.15E-06	2.70E-07
3477	743084.09	4108165.74	5.97E-05	1.09E-04	5.98E-06	9.26E-06	1.78E-05	8.97E-07	9.01E-06	1.54E-05	1.14E-06	5.12E-06	8.47E-06	2.81E-07
3478	743120.56	4108191.14	6.23E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.40E-06	1.60E-05	1.19E-06	5.34E-06	8.84E-06	2.93E-07
3479	743157.03	4108216.54	6.52E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.79E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.25E-06	3.07E-07
3480	743193.5	4108241.94	6.85E-05	1.25E-04	6.85E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.87E-06	9.71E-06	3.22E-07
3481	743229.96	4108267.34	7.20E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.17E-06	1.02E-05	3.38E-07
3482	743266.43	4108292.74	7.58E-05	1.38E-04	7.58E-06	1.18E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
3483	743302.9	4108318.14	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
3484	743339.37	4108343.54	8.37E-05	1.53E-04	8.38E-06	1.30E-05	2.50E-05	1.26E-06	1.26E-05	2.15E-05	1.60E-06	7.17E-06	1.19E-05	3.93E-07
3485	743375.83	4108368.94	8.77E-05	1.60E-04	8.78E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.26E-05	1.67E-06	7.52E-06	1.24E-05	4.12E-07
3486	743412.3	4108394.35	9.16E-05	1.67E-04	9.17E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.85E-06	1.30E-05	4.31E-07
3487	743448.77	4108419.75	9.51E-05	1.73E-04	9.52E-06	1.48E-05	2.84E-05	1.43E-06	1.43E-05	2.45E-05	1.81E-06	8.15E-06	1.35E-05	4.47E-07
3488	743485.24	4108445.15	9.81E-05	1.79E-04	9.82E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.41E-06	1.39E-05	4.61E-07
3489	743521.7	4108470.55	1.00E-04	1.83E-04	1.00E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.60E-06	1.42E-05	4.72E-07
3490	743558.17	4108495.95	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.74E-06	1.45E-05	4.80E-07
3491	743594.64	4108521.35	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
3492	743631.11	4108546.75	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
3493	743667.57	4108572.15	1.06E-04	1.92E-04	1.06E-05	1.64E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.05E-06	1.50E-05	4.96E-07
3494	743704.04	4108597.55	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.03E-07
3495	743740.51	4108622.95	1.09E-04	1.99E-04	1.09E-05	1.69E-05	3.26E-05	1.64E-06	1.64E-05	2.80E-05	2.08E-06	9.34E-06	1.55E-05	5.12E-07
3496	743776.98	4108648.35	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.85E-05	2.11E-06	9.50E-06	1.57E-05	5.21E-07
3497	743813.45	4108673.75	1.12E-04	2.05E-04	1.12E-05	1.74E-05	3.36E-05	1.69E-06	1.69E-05	2.89E-05	2.14E-06	9.63E-06	1.59E-05	5.28E-07
3498	740661.89	4108012.91	3.18E-05	5.80E-05	3.19E-06	4.94E-06	9.51E-06	4.78E-07	4.80E-06	8.18E-06	6.07E-07	2.73E-06	4.51E-06	1.50E-07
3499	740624.27	4108036.83	3.29E-05	5.99E-05	3.29E-06	5.09E-06	9.81E-06	4.93E-07	4.95E-06	8.45E-06	6.26E-07	2.82E-06	4.66E-06	1.54E-07
3500	740586.64	4108060.75	3.38E-05	6.15E-05	3.38E-06	5.23E-06	1.01E-05	5.07E-07	5.09E-06	8.68E-06	6.43E-07	2.89E-06	4.79E-06	1.59E-07

3501	740531.58	4107651.83	2.38E-05	4.33E-05	2.38E-06	3.69E-06	7.11E-06	3.57E-07	3.59E-06	6.11E-06	4.53E-07	2.04E-06	3.37E-06	1.12E-07
3502	740575.22	4107644.13	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
3503	740618.87	4107636.43	2.31E-05	4.20E-05	2.31E-06	3.58E-06	6.89E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
3504	740662.51	4107628.72	2.29E-05	4.18E-05	2.29E-06	3.55E-06	6.85E-06	3.44E-07	3.46E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
3505	740706.15	4107621.02	2.29E-05	4.17E-05	2.29E-06	3.55E-06	6.84E-06	3.44E-07	3.45E-06	5.89E-06	4.37E-07	1.96E-06	3.25E-06	1.08E-07
3506	740749.8	4107613.32	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
3507	740793.44	4107605.61	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
3508	740837.08	4107597.91	2.36E-05	4.29E-05	2.36E-06	3.65E-06	7.04E-06	3.54E-07	3.55E-06	6.05E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
3509	740880.72	4107590.21	2.38E-05	4.34E-05	2.38E-06	3.70E-06	7.12E-06	3.58E-07	3.59E-06	6.13E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
3510	740924.37	4107582.5	2.41E-05	4.39E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.19E-06	4.59E-07	2.06E-06	3.41E-06	1.13E-07
3511	740968.01	4107574.8	2.42E-05	4.42E-05	2.43E-06	3.76E-06	7.24E-06	3.64E-07	3.66E-06	6.23E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
3512	741011.65	4107567.1	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3513	741055.29	4107559.39	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3514	741098.94	4107551.69	2.43E-05	4.44E-05	2.44E-06	3.78E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3515	741142.58	4107543.99	2.43E-05	4.43E-05	2.43E-06	3.77E-06	7.27E-06	3.65E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.14E-07
3516	741186.22	4107536.28	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.29E-06	3.66E-07	3.68E-06	6.27E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
3517	741229.86	4107528.58	2.45E-05	4.47E-05	2.45E-06	3.80E-06	7.33E-06	3.68E-07	3.70E-06	6.30E-06	4.67E-07	2.10E-06	3.48E-06	1.15E-07
3518	741273.51	4107520.88	2.48E-05	4.51E-05	2.48E-06	3.84E-06	7.40E-06	3.72E-07	3.73E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.16E-07
3519	741317.15	4107513.18	2.51E-05	4.58E-05	2.51E-06	3.89E-06	7.50E-06	3.77E-07	3.79E-06	6.46E-06	4.79E-07	2.15E-06	3.56E-06	1.18E-07
3520	741360.79	4107505.47	2.55E-05	4.66E-05	2.56E-06	3.96E-06	7.63E-06	3.83E-07	3.85E-06	6.57E-06	4.87E-07	2.19E-06	3.62E-06	1.20E-07
3521	741404.44	4107497.77	2.60E-05	4.74E-05	2.60E-06	4.04E-06	7.78E-06	3.91E-07	3.92E-06	6.69E-06	4.96E-07	2.23E-06	3.69E-06	1.22E-07
3522	741448.08	4107490.07	2.65E-05	4.83E-05	2.65E-06	4.11E-06	7.91E-06	3.98E-07	4.00E-06	6.81E-06	5.05E-07	2.27E-06	3.76E-06	1.25E-07
3523	741491.72	4107482.36	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.03E-06	4.04E-07	4.06E-06	6.91E-06	5.12E-07	2.30E-06	3.81E-06	1.26E-07
3524	741535.36	4107474.66	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.13E-06	4.08E-07	4.10E-06	7.00E-06	5.19E-07	2.33E-06	3.86E-06	1.28E-07
3525	741579.01	4107466.96	2.74E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.05E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
3526	741622.65	4107459.25	2.76E-05	5.02E-05	2.76E-06	4.28E-06	8.24E-06	4.14E-07	4.16E-06	7.09E-06	5.25E-07	2.36E-06	3.91E-06	1.30E-07
3527	741666.29	4107451.55	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.26E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
3528	741709.93	4107443.85	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.28E-06	4.16E-07	4.18E-06	7.13E-06	5.28E-07	2.38E-06	3.93E-06	1.30E-07
3529	741753.58	4107436.14	2.78E-05	5.07E-05	2.78E-06	4.31E-06	8.31E-06	4.18E-07	4.20E-06	7.15E-06	5.30E-07	2.38E-06	3.94E-06	1.31E-07
3530	741797.22	4107428.44	2.80E-05	5.10E-05	2.80E-06	4.34E-06	8.36E-06	4.20E-07	4.22E-06	7.19E-06	5.33E-07	2.40E-06	3.97E-06	1.31E-07
3531	741840.86	4107420.74	2.82E-05	5.14E-05	2.82E-06	4.38E-06	8.43E-06	4.24E-07	4.26E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
3532	741884.5	4107413.03	2.85E-05	5.20E-05	2.86E-06	4.43E-06	8.53E-06	4.28E-07	4.30E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
3533	741928.15	4107405.33	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
3534	741971.79	4107397.63	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.74E-06	4.39E-07	4.41E-06	7.52E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
3535	742015.43	4107389.93	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.83E-06	4.44E-07	4.46E-06	7.60E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3536	742059.08	4107382.22	2.98E-05	5.42E-05	2.98E-06	4.62E-06	8.89E-06	4.47E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
3537	742102.72	4107374.52	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.91E-06	4.48E-07	4.50E-06	7.67E-06	5.68E-07	2.56E-06	4.23E-06	1.40E-07
3538	742146.36	4107366.82	2.97E-05	5.42E-05	2.98E-06	4.61E-06	8.89E-06	4.46E-07	4.49E-06	7.65E-06	5.67E-07	2.55E-06	4.22E-06	1.40E-07
3539	742190	4107359.11	2.95E-05	5.38E-05	2.96E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
3540	742233.65	4107351.41	2.92E-05	5.33E-05	2.93E-06	4.53E-06	8.73E-06	4.39E-07	4.41E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
3541	742277.29	4107343.71	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.64E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
3542	742320.93	4107336	2.86E-05	5.22E-05	2.86E-06	4.44E-06	8.55E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
3543	742364.57	4107328.3	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.27E-07	4.29E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
3544	742408.22	4107320.6	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.28E-07	4.30E-06	7.33E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
3545	742451.86	4107312.89	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
3546	742513.69	4107317.86	2.97E-05	5.42E-05	2.97E-06	4.61E-06	8.88E-06	4.46E-07	4.48E-06	7.64E-06	5.66E-07	2.55E-06	4.21E-06	1.40E-07
3547	742550.05	4107343.19	3.10E-05	5.65E-05	3.10E-06	4.81E-06	9.26E-06	4.65E-07	4.68E-06	7.97E-06	5.91E-07	2.66E-06	4.40E-06	1.46E-07
3548	742586.42	4107368.51	3.25E-05	5.91E-05	3.25E-06	5.03E-06	9.69E-06	4.87E-07	4.89E-06	8.34E-06	6.18E-07	2.78E-06	4.60E-06	1.53E-07
3549	742622.78	4107393.84	3.40E-05	6.20E-05	3.40E-06	5.28E-06	1.02E-05	5.11E-07	5.13E-06	8.75E-06	6.48E-07	2.92E-06	4.82E-06	1.60E-07
3550	742659.15	4107419.17	3.56E-05	6.49E-05	3.56E-06	5.52E-06	1.06E-05	5.34E-07	5.37E-06	9.15E-06	6.78E-07	3.05E-06	5.05E-06	1.67E-07
3551	742695.51	4107444.5	3.71E-05	6.76E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.53E-06	7.06E-07	3.18E-06	5.26E-06	1.74E-07
3552	742731.88	4107469.83	3.83E-05	6.99E-05	3.84E-06	5.95E-06	1.15E-05	5.75E-07	5.78E-06	9.86E-06	7.31E-07	3.29E-06	5.44E-06	1.80E-07
3553	742768.24	4107495.16	3.93E-05	7.17E-05	3.93E-06	6.10E-06	1.17E-05	5.90E-07	5.93E-06	1.01E-05	7.49E-07	3.37E-06	5.58E-06	1.85E-07
3554	742804.61	4107520.49	3.99E-05	7.28E-05	4.00E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
3555	742840.97	4107545.82	4.02E-05	7.33E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
3556	742877.34	4107571.15	4.02E-05	7.32E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.65E-07	3.44E-06	5.69E-06	1.89E-07
3557	742913.7	4107596.48	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
3558	742950.07	4107621.81	3.97E-05	7.23E-05	3.97E-06	6.15E-06	1.19E-05	5.95E-07	5.98E-06	1.02E-05	7.56E-07	3.40E-06	5.62E-06	1.86E-07
3559	742986.43	4107647.14	3.95E-05	7.20E-05	3.96E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.39E-06	5.61E-06	1.86E-07
3560	743022.8	4107672.47	3.96E-05	7.22E-05	3.97E-06	6.15E-06	1.18E-05	5.95E-07	5.98E-06	1.02E-05	7.55E-07	3.40E-06	5.62E-06	1.86E-07
3561	743059.16	4107697.8	4.01E-05	7.30E-05	4.01E-06	6.21E-06	1.20E-05	6.01E-07	6.04E-06	1.03E-05	7.64E-07	3.43E-06	5.68E-06	1.88E-07
3562	743095.53	4107723.13	4.08E-05	7.44E-05	4.08E-06	6.33E-06	1.22E-05	6.13E-07	6.16E-06	1.05E-05	7.78E-07	3.50E-06	5.79E-06	1.92E-07
3563	743131.9	4107748.46	4.18E-05	7.62E-05	4.19E-06	6.49E-06	1.25E-05	6.28E-07	6.31E-06	1.08E-05	7.97E-07	3.59E-06	5.93E-06	1.97E-07
3564	743168.26	4107773.79	4.30E-05	7.84E-05	4.30E-06	6.67E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.20E-07	3.69E-06	6.10E-06	2.02E-07
3565	743204.63	4107799.12	4.43E-05	8.08E-05	4.43E-06	6.87E-06	1.32E-05	6.65E-07	6.68E-06	1.14E-05	8.45E-07	3.80E-06	6.28E-06	2.08E-07
3566	743240.99	4107824.45	4.57E-05	8.33E-05	4.58E-06	7.09E-06	1.37E-05	6.86E-07	6.90E-06	1.18E-05	8.72E-07	3.92E-06	6.48E-06	2.15E-07
3567	743277.36	4107849.78	4.73E-05	8.61E-05	4.73E-06	7.33E-06	1.41E-05	7.10E-07	7.13E-06	1.22E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
3568	743313.72	4107875.11	4.90E-05	8.92E-05	4.90E-06	7.59E-06	1.46E-05	7.35E-07	7.38E-06	1.26E-05	9.33E-07	4.20E-06	6.94E-06	2.30E-07
3569	743350.09	4107900.44	5.08E-05	9.26E-05	5.09E-06	7.88E-06	1.52E-05	7.63E-07	7.67E-06	1.31E-05	9.69E-07	4.36E-06	7.21E-06	2.39E-07
3570	743386.45	4107925.76	5.29E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.94E-07	7.98E-06	1.36E-05	1.01E-06	4.54E-06	7.50E-06	2.49E-07
3571	743422.82	4107951.09	5.52E-05	1.01E-04	5.52E-06	8.56E-06	1.65E-05	8.28E-07	8.32E-06	1.42E-05	1.05E-06	4.73E-06	7.82E-06	2.59E-07
3572	743459.18	4107976.42	5.75E-05	1.05E-04	5.75E-06	8.92E-06	1.72E-05	8.63E-07	8.67E-06	1.48E-05	1.10E-06	4.93E-06	8.15E-06	2.70E-07
3573	743495.55	4108001.75	5.99E-05	1.09E-04	6.00E-06	9.29E-06	1.79E-05	9.00E-07	9.04E-06	1.54E-05	1.14E-06	5.14E-06	8.50E-06	2.82E-07

3574	743531.91	4108027.08	6.24E-05	1.14E-04	6.25E-06	9.68E-06	1.86E-05	9.37E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
3575	743568.28	4108052.41	6.50E-05	1.18E-04	6.50E-06	1.01E-05	1.94E-05	9.75E-07	9.80E-06	1.67E-05	1.24E-06	5.57E-06	9.21E-06	3.05E-07
3576	743604.64	4108077.74	6.75E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.57E-06	3.17E-07
3577	743641.01	4108103.07	7.00E-05	1.28E-04	7.01E-06	1.09E-05	2.09E-05	1.05E-06	1.06E-05	1.80E-05	1.33E-06	6.00E-06	9.93E-06	3.29E-07
3578	743677.37	4108128.4	7.25E-05	1.32E-04	7.25E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
3579	743713.74	4108153.73	7.46E-05	1.36E-04	7.47E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.39E-06	1.06E-05	3.51E-07
3580	743750.11	4108179.06	7.64E-05	1.39E-04	7.65E-06	1.18E-05	2.28E-05	1.15E-06	1.15E-05	1.96E-05	1.46E-06	6.55E-06	1.08E-05	3.59E-07
3581	743786.47	4108204.39	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
3582	743822.84	4108229.72	7.85E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.18E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
3583	743859.2	4108255.05	7.91E-05	1.44E-04	7.92E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
3584	743895.57	4108280.38	7.96E-05	1.45E-04	7.96E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
3585	743931.93	4108305.71	8.02E-05	1.46E-04	8.03E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
3586	743968.3	4108331.04	8.11E-05	1.48E-04	8.12E-06	1.26E-05	2.42E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.95E-06	1.15E-05	3.81E-07
3587	744004.66	4108356.37	8.24E-05	1.50E-04	8.24E-06	1.28E-05	2.46E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.06E-06	1.17E-05	3.87E-07
3588	744041.03	4108381.7	8.39E-05	1.53E-04	8.39E-06	1.30E-05	2.51E-05	1.26E-06	1.26E-05	2.16E-05	1.60E-06	7.19E-06	1.19E-05	3.94E-07
3589	744077.39	4108407.03	8.54E-05	1.56E-04	8.54E-06	1.32E-05	2.55E-05	1.28E-06	1.29E-05	2.20E-05	1.63E-06	7.32E-06	1.21E-05	4.01E-07
3590	744113.76	4108432.36	8.67E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.07E-07
3591	744150.12	4108457.69	8.76E-05	1.60E-04	8.76E-06	1.36E-05	2.62E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.50E-06	1.24E-05	4.11E-07
3592	740447.3	4107675.35	2.49E-05	4.54E-05	2.49E-06	3.86E-06	7.45E-06	3.74E-07	3.76E-06	6.41E-06	4.75E-07	2.14E-06	3.53E-06	1.17E-07
3593	740409.68	4107699.27	2.57E-05	4.68E-05	2.57E-06	3.99E-06	7.68E-06	3.86E-07	3.88E-06	6.61E-06	4.90E-07	2.20E-06	3.64E-06	1.21E-07
3594	740372.05	4107723.19	2.64E-05	4.81E-05	2.64E-06	4.09E-06	7.88E-06	3.96E-07	3.98E-06	6.78E-06	5.03E-07	2.26E-06	3.74E-06	1.24E-07
3595	740316.86	4107314.29	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.96E-06	3.67E-07	1.65E-06	2.73E-06	9.06E-08
3596	740360.41	4107306.6	1.89E-05	3.45E-05	1.89E-06	2.93E-06	5.65E-06	2.84E-07	2.85E-06	4.86E-06	3.61E-07	1.62E-06	2.68E-06	8.89E-08
3597	740403.96	4107298.91	1.86E-05	3.40E-05	1.87E-06	2.89E-06	5.57E-06	2.80E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.76E-08
3598	740447.51	4107291.23	1.85E-05	3.36E-05	1.85E-06	2.86E-06	5.52E-06	2.77E-07	2.78E-06	4.75E-06	3.52E-07	1.58E-06	2.62E-06	8.68E-08
3599	740491.06	4107283.54	1.84E-05	3.35E-05	1.84E-06	2.85E-06	5.50E-06	2.76E-07	2.78E-06	4.73E-06	3.51E-07	1.58E-06	2.61E-06	8.65E-08
3600	740534.62	4107275.85	1.85E-05	3.37E-05	1.85E-06	2.87E-06	5.52E-06	2.77E-07	2.79E-06	4.75E-06	3.52E-07	1.58E-06	2.62E-06	8.68E-08
3601	740578.17	4107268.17	1.86E-05	3.40E-05	1.87E-06	2.89E-06	5.57E-06	2.80E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.76E-08
3602	740621.72	4107260.48	1.89E-05	3.44E-05	1.89E-06	2.93E-06	5.64E-06	2.83E-07	2.85E-06	4.85E-06	3.60E-07	1.62E-06	2.68E-06	8.87E-08
3603	740665.27	4107252.79	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.72E-06	2.87E-07	2.89E-06	4.92E-06	3.65E-07	1.64E-06	2.72E-06	9.00E-08
3604	740708.82	4107245.1	1.94E-05	3.54E-05	1.95E-06	3.02E-06	5.81E-06	2.92E-07	2.93E-06	5.00E-06	3.71E-07	1.67E-06	2.76E-06	9.14E-08
3605	740752.38	4107237.42	1.97E-05	3.59E-05	1.97E-06	3.05E-06	5.88E-06	2.95E-07	2.97E-06	5.06E-06	3.75E-07	1.69E-06	2.79E-06	9.25E-08
3606	740795.93	4107229.73	1.98E-05	3.62E-05	1.99E-06	3.08E-06	5.93E-06	2.98E-07	2.99E-06	5.10E-06	3.78E-07	1.70E-06	2.81E-06	9.33E-08
3607	740839.48	4107222.04	1.99E-05	3.63E-05	1.99E-06	3.09E-06	5.95E-06	2.99E-07	3.00E-06	5.12E-06	3.80E-07	1.71E-06	2.82E-06	9.36E-08
3608	740883.03	4107214.36	1.99E-05	3.63E-05	1.99E-06	3.09E-06	5.96E-06	2.99E-07	3.01E-06	5.12E-06	3.80E-07	1.71E-06	2.83E-06	9.37E-08
3609	740926.58	4107206.67	1.99E-05	3.62E-05	1.99E-06	3.08E-06	5.94E-06	2.98E-07	3.00E-06	5.11E-06	3.79E-07	1.70E-06	2.82E-06	9.34E-08
3610	740970.14	4107198.98	1.98E-05	3.61E-05	1.98E-06	3.07E-06	5.92E-06	2.97E-07	2.99E-06	5.09E-06	3.78E-07	1.70E-06	2.81E-06	9.31E-08
3611	741013.69	4107191.29	1.97E-05	3.60E-05	1.97E-06	3.06E-06	5.90E-06	2.96E-07	2.98E-06	5.07E-06	3.76E-07	1.69E-06	2.80E-06	9.27E-08
3612	741057.24	4107183.61	1.97E-05	3.59E-05	1.97E-06	3.06E-06	5.89E-06	2.96E-07	2.97E-06	5.06E-06	3.75E-07	1.69E-06	2.79E-06	9.26E-08
3613	741100.79	4107175.92	1.97E-05	3.60E-05	1.98E-06	3.06E-06	5.90E-06	2.96E-07	2.98E-06	5.08E-06	3.76E-07	1.69E-06	2.80E-06	9.28E-08
3614	741144.34	4107168.23	1.99E-05	3.62E-05	1.99E-06	3.08E-06	5.94E-06	2.98E-07	3.00E-06	5.11E-06	3.79E-07	1.70E-06	2.82E-06	9.34E-08
3615	741187.9	4107160.55	2.01E-05	3.66E-05	2.01E-06	3.12E-06	6.01E-06	3.02E-07	3.03E-06	5.17E-06	3.83E-07	1.72E-06	2.85E-06	9.45E-08
3616	741231.45	4107152.86	2.04E-05	3.72E-05	2.04E-06	3.17E-06	6.11E-06	3.07E-07	3.08E-06	5.25E-06	3.89E-07	1.75E-06	2.90E-06	9.60E-08
3617	741275	4107145.17	2.08E-05	3.79E-05	2.08E-06	3.23E-06	6.22E-06	3.13E-07	3.14E-06	5.35E-06	3.97E-07	1.78E-06	2.95E-06	9.79E-08
3618	741318.55	4107137.48	2.12E-05	3.87E-05	2.13E-06	3.30E-06	6.35E-06	3.19E-07	3.20E-06	5.46E-06	4.05E-07	1.82E-06	3.01E-06	9.99E-08
3619	741362.1	4107129.8	2.16E-05	3.94E-05	2.17E-06	3.36E-06	6.47E-06	3.25E-07	3.26E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
3620	741405.66	4107122.11	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.58E-06	3.30E-07	3.32E-06	5.66E-06	4.20E-07	1.89E-06	3.12E-06	1.03E-07
3621	741449.21	4107114.42	2.23E-05	4.06E-05	2.23E-06	3.46E-06	6.66E-06	3.35E-07	3.36E-06	5.73E-06	4.25E-07	1.91E-06	3.16E-06	1.05E-07
3622	741492.76	4107106.74	2.25E-05	4.10E-05	2.25E-06	3.49E-06	6.72E-06	3.38E-07	3.39E-06	5.78E-06	4.29E-07	1.93E-06	3.19E-06	1.06E-07
3623	741536.31	4107099.05	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.75E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3624	741579.87	4107091.36	2.26E-05	4.13E-05	2.27E-06	3.51E-06	6.76E-06	3.40E-07	3.41E-06	5.82E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3625	741623.42	4107083.68	2.26E-05	4.13E-05	2.27E-06	3.51E-06	6.76E-06	3.40E-07	3.41E-06	5.82E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3626	741666.97	4107075.99	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.76E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3627	741710.52	4107068.3	2.26E-05	4.12E-05	2.26E-06	3.51E-06	6.76E-06	3.39E-07	3.41E-06	5.81E-06	4.31E-07	1.94E-06	3.21E-06	1.06E-07
3628	741754.07	4107060.61	2.27E-05	4.13E-05	2.27E-06	3.52E-06	6.78E-06	3.40E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.22E-06	1.07E-07
3629	741797.63	4107052.93	2.28E-05	4.16E-05	2.28E-06	3.54E-06	6.82E-06	3.42E-07	3.44E-06	5.87E-06	4.35E-07	1.96E-06	3.24E-06	1.07E-07
3630	741841.18	4107045.24	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
3631	741884.73	4107037.55	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
3632	741928.28	4107029.87	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
3633	741971.83	4107022.18	2.39E-05	4.36E-05	2.39E-06	3.71E-06	7.14E-06	3.59E-07	3.61E-06	6.15E-06	4.56E-07	2.05E-06	3.39E-06	1.12E-07
3634	742015.39	4107014.49	2.42E-05	4.41E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.65E-06	6.22E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
3635	742058.94	4107006.8	2.44E-05	4.44E-05	2.44E-06	3.78E-06	7.28E-06	3.66E-07	3.67E-06	6.26E-06	4.64E-07	2.09E-06	3.45E-06	1.15E-07
3636	742102.49	4106999.12	2.44E-05	4.45E-05	2.45E-06	3.79E-06	7.30E-06	3.67E-07	3.69E-06	6.28E-06	4.66E-07	2.09E-06	3.47E-06	1.15E-07
3637	742146.04	4106991.43	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.29E-06	3.66E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
3638	742189.59	4106983.74	2.43E-05	4.42E-05	2.43E-06	3.76E-06	7.25E-06	3.64E-07	3.66E-06	6.24E-06	4.63E-07	2.08E-06	3.44E-06	1.14E-07
3639	742233.15	4106976.06	2.41E-05	4.38E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.18E-06	4.58E-07	2.06E-06	3.41E-06	1.13E-07
3640	742276.7	4106968.37	2.38E-05	4.34E-05	2.38E-06	3.69E-06	7.11E-06	3.57E-07	3.59E-06	6.12E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
3641	742320.25	4106960.68	2.35E-05	4.29E-05	2.35E-06	3.65E-06	7.03E-06	3.53E-07	3.55E-06	6.05E-06	4.48E-07	2.02E-06	3.34E-06	1.11E-07
3642	742363.8	4106952.99	2.33E-05	4.24E-05	2.33E-06	3.61E-06	6.95E-06	3.49E-07	3.51E-06	5.98E-06	4.43E-07	1.99E-06	3.30E-06	1.09E-07
3643	742407.35	4106945.31	2.31E-05	4.21E-05	2.31E-06	3.58E-06	6.90E-06	3.46E-07	3.48E-06	5.93E-06	4.40E-07	1.98E-06	3.27E-06	1.08E-07
3644	742450.91	4106937.62	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
3645	742494.46	4106929.93	2.31E-05	4.21E-05	2.31E-06	3.58E-06	6.90E-06	3.47E-07	3.48E-06	5.94E-06	4.40E-07	1.98E-06	3.28E-06	1.09E-07
3646	742538.01	4106922.25	2.33E-05	4.25E-05	2.34E-06	3.62E-06	6.97E-06	3.50E-07	3.52E-06	6.00E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07

3647	742599.71	4106927.2	2.42E-05	4.40E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.64E-06	6.21E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
3648	742636	4106952.47	2.52E-05	4.58E-05	2.52E-06	3.90E-06	7.52E-06	3.78E-07	3.79E-06	6.47E-06	4.79E-07	2.16E-06	3.57E-06	1.18E-07
3649	742672.29	4106977.75	2.63E-05	4.79E-05	2.63E-06	4.07E-06	7.85E-06	3.94E-07	3.96E-06	6.75E-06	5.00E-07	2.25E-06	3.72E-06	1.23E-07
3650	742708.58	4107003.03	2.74E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.05E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
3651	742744.87	4107028.3	2.86E-05	5.22E-05	2.87E-06	4.44E-06	8.56E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
3652	742781.16	4107053.58	2.98E-05	5.43E-05	2.98E-06	4.62E-06	8.90E-06	4.47E-07	4.49E-06	7.66E-06	5.68E-07	2.55E-06	4.23E-06	1.40E-07
3653	742817.45	4107078.86	3.09E-05	5.62E-05	3.09E-06	4.79E-06	9.22E-06	4.63E-07	4.65E-06	7.93E-06	5.88E-07	2.64E-06	4.38E-06	1.45E-07
3654	742853.74	4107104.14	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.48E-06	4.76E-07	4.78E-06	8.16E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
3655	742890.03	4107129.41	3.24E-05	5.90E-05	3.24E-06	5.02E-06	9.66E-06	4.86E-07	4.88E-06	8.32E-06	6.16E-07	2.77E-06	4.59E-06	1.52E-07
3656	742926.32	4107154.69	3.27E-05	5.96E-05	3.27E-06	5.07E-06	9.77E-06	4.91E-07	4.93E-06	8.41E-06	6.23E-07	2.80E-06	4.64E-06	1.54E-07
3657	742962.6	4107179.97	3.28E-05	5.98E-05	3.28E-06	5.09E-06	9.80E-06	4.92E-07	4.95E-06	8.43E-06	6.25E-07	2.81E-06	4.65E-06	1.54E-07
3658	742998.89	4107205.24	3.27E-05	5.95E-05	3.27E-06	5.06E-06	9.75E-06	4.90E-07	4.92E-06	8.39E-06	6.22E-07	2.80E-06	4.63E-06	1.53E-07
3659	743035.18	4107230.52	3.24E-05	5.90E-05	3.24E-06	5.02E-06	9.67E-06	4.86E-07	4.88E-06	8.32E-06	6.17E-07	2.77E-06	4.59E-06	1.52E-07
3660	743071.47	4107255.8	3.20E-05	5.84E-05	3.20E-06	4.97E-06	9.57E-06	4.81E-07	4.83E-06	8.23E-06	6.10E-07	2.74E-06	4.54E-06	1.51E-07
3661	743107.76	4107281.07	3.18E-05	5.79E-05	3.18E-06	4.93E-06	9.49E-06	4.77E-07	4.79E-06	8.17E-06	6.05E-07	2.72E-06	4.50E-06	1.49E-07
3662	743144.05	4107306.35	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.47E-06	4.76E-07	4.78E-06	8.15E-06	6.04E-07	2.72E-06	4.49E-06	1.49E-07
3663	743180.34	4107331.63	3.19E-05	5.81E-05	3.19E-06	4.94E-06	9.52E-06	4.78E-07	4.80E-06	8.19E-06	6.07E-07	2.73E-06	4.52E-06	1.50E-07
3664	743216.63	4107356.9	3.23E-05	5.89E-05	3.23E-06	5.01E-06	9.65E-06	4.85E-07	4.87E-06	8.30E-06	6.16E-07	2.77E-06	4.58E-06	1.52E-07
3665	743252.92	4107382.18	3.30E-05	6.01E-05	3.30E-06	5.12E-06	9.86E-06	4.95E-07	4.98E-06	8.48E-06	6.29E-07	2.83E-06	4.68E-06	1.55E-07
3666	743289.21	4107407.46	3.38E-05	6.17E-05	3.39E-06	5.25E-06	1.01E-05	5.08E-07	5.10E-06	8.70E-06	6.45E-07	2.90E-06	4.80E-06	1.59E-07
3667	743325.5	4107432.74	3.48E-05	6.34E-05	3.48E-06	5.40E-06	1.04E-05	5.22E-07	5.25E-06	8.94E-06	6.63E-07	2.98E-06	4.93E-06	1.63E-07
3668	743361.79	4107458.01	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.40E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
3669	743398.08	4107483.29	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.55E-06	9.45E-06	7.01E-07	3.15E-06	5.21E-06	1.73E-07
3670	743434.37	4107508.57	3.78E-05	6.89E-05	3.78E-06	5.86E-06	1.13E-05	5.67E-07	5.70E-06	9.71E-06	7.20E-07	3.24E-06	5.36E-06	1.78E-07
3671	743470.66	4107533.84	3.89E-05	7.08E-05	3.89E-06	6.03E-06	1.16E-05	5.83E-07	5.86E-06	9.99E-06	7.41E-07	3.33E-06	5.51E-06	1.83E-07
3672	743506.95	4107559.12	4.01E-05	7.30E-05	4.01E-06	6.21E-06	1.20E-05	6.01E-07	6.04E-06	1.03E-05	7.64E-07	3.43E-06	5.68E-06	1.88E-07
3673	743543.24	4107584.4	4.14E-05	7.54E-05	4.14E-06	6.42E-06	1.24E-05	6.21E-07	6.24E-06	1.06E-05	7.89E-07	3.55E-06	5.87E-06	1.94E-07
3674	743579.53	4107609.67	4.28E-05	7.80E-05	4.28E-06	6.64E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.16E-07	3.67E-06	6.07E-06	2.01E-07
3675	743615.82	4107634.95	4.44E-05	8.08E-05	4.44E-06	6.88E-06	1.33E-05	6.66E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
3676	743652.11	4107660.23	4.60E-05	8.37E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.93E-06	1.18E-05	8.76E-07	3.94E-06	6.52E-06	2.16E-07
3677	743688.4	4107685.51	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.17E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
3678	743724.69	4107710.78	4.92E-05	8.97E-05	4.92E-06	7.63E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
3679	743760.98	4107736.06	5.09E-05	9.27E-05	5.09E-06	7.89E-06	1.52E-05	7.63E-07	7.67E-06	1.31E-05	9.69E-07	4.36E-06	7.21E-06	2.39E-07
3680	743797.27	4107761.34	5.25E-05	9.57E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
3681	743833.56	4107786.61	5.43E-05	9.89E-05	5.43E-06	8.41E-06	1.62E-05	8.14E-07	8.18E-06	1.39E-05	1.03E-06	4.65E-06	7.69E-06	2.55E-07
3682	743869.85	4107811.89	5.60E-05	1.02E-04	5.60E-06	8.68E-06	1.67E-05	8.40E-07	8.44E-06	1.44E-05	1.07E-06	4.80E-06	7.94E-06	2.63E-07
3683	743906.14	4107837.17	5.77E-05	1.05E-04	5.78E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.95E-06	8.18E-06	2.71E-07
3684	743942.43	4107862.44	5.94E-05	1.08E-04	5.94E-06	9.21E-06	1.77E-05	8.91E-07	8.95E-06	1.53E-05	1.13E-06	5.09E-06	8.42E-06	2.79E-07
3685	743978.72	4107887.72	6.08E-05	1.11E-04	6.09E-06	9.43E-06	1.82E-05	9.13E-07	9.17E-06	1.56E-05	1.16E-06	5.21E-06	8.62E-06	2.86E-07
3686	744015.01	4107913	6.20E-05	1.13E-04	6.20E-06	9.61E-06	1.85E-05	9.30E-07	9.35E-06	1.59E-05	1.18E-06	5.31E-06	8.79E-06	2.91E-07
3687	744051.3	4107938.27	6.28E-05	1.14E-04	6.29E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
3688	744087.59	4107963.55	6.33E-05	1.15E-04	6.34E-06	9.82E-06	1.89E-05	9.51E-07	9.55E-06	1.63E-05	1.21E-06	5.43E-06	8.98E-06	2.98E-07
3689	744123.88	4107988.83	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.02E-06	2.99E-07
3690	744160.17	4108014.11	6.38E-05	1.16E-04	6.38E-06	9.89E-06	1.90E-05	9.57E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.04E-06	3.00E-07
3691	744196.46	4108039.38	6.40E-05	1.17E-04	6.41E-06	9.93E-06	1.91E-05	9.61E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
3692	744232.75	4108064.66	6.45E-05	1.18E-04	6.46E-06	1.00E-05	1.93E-05	9.69E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
3693	744269.04	4108089.94	6.53E-05	1.19E-04	6.54E-06	1.01E-05	1.95E-05	9.81E-07	9.85E-06	1.68E-05	1.25E-06	5.60E-06	9.26E-06	3.07E-07
3694	744305.33	4108115.21	6.64E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.97E-07	1.00E-05	1.71E-05	1.27E-06	5.69E-06	9.42E-06	3.12E-07
3695	744341.62	4108140.49	6.76E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.59E-06	3.18E-07
3696	744377.91	4108165.77	6.89E-05	1.26E-04	6.89E-06	1.07E-05	2.06E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.90E-06	9.77E-06	3.24E-07
3697	744414.2	4108191.04	7.00E-05	1.27E-04	7.00E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.92E-06	3.29E-07
3698	744450.49	4108216.32	7.08E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
3699	744486.78	4108241.6	7.13E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
3700	740232.71	4107337.78	2.02E-05	3.68E-05	2.02E-06	3.13E-06	6.03E-06	3.03E-07	3.04E-06	5.19E-06	3.85E-07	1.73E-06	2.86E-06	9.49E-08
3701	740195.09	4107361.7	2.08E-05	3.79E-05	2.08E-06	3.22E-06	6.21E-06	3.12E-07	3.14E-06	5.34E-06	3.96E-07	1.78E-06	2.95E-06	9.77E-08
3702	740157.46	4107385.62	2.13E-05	3.89E-05	2.13E-06	3.31E-06	6.37E-06	3.20E-07	3.22E-06	5.48E-06	4.06E-07	1.83E-06	3.02E-06	1.00E-07
3703	741778.38	4110028.65	5.36E-03	9.76E-03	5.36E-04	8.31E-04	1.60E-03	8.04E-05	8.08E-04	1.38E-03	1.02E-04	4.59E-04	7.60E-04	2.52E-05
3704	741802.6	4110066.63	6.80E-03	1.24E-02	6.81E-04	1.06E-03	2.03E-03	1.02E-04	1.03E-03	1.75E-03	1.30E-04	5.83E-04	9.65E-04	3.20E-05
3705	741826.83	4110104.6	7.11E-03	1.30E-02	7.11E-04	1.10E-03	2.12E-03	1.07E-04	1.07E-03	1.83E-03	1.35E-04	6.09E-04	1.01E-03	3.34E-05
3706	741838.94	4110123.59	6.89E-03	1.25E-02	6.89E-04	1.07E-03	2.06E-03	1.03E-04	1.04E-03	1.77E-03	1.31E-04	5.90E-04	9.76E-04	3.24E-05
3707	741851.06	4110142.58	6.40E-03	1.17E-02	6.40E-04	9.92E-04	1.91E-03	9.60E-05	9.65E-04	1.65E-03	1.22E-04	5.48E-04	9.07E-04	3.01E-05
3708	741863.17	4110161.57	5.65E-03	1.03E-02	5.65E-04	8.76E-04	1.69E-03	8.48E-05	8.52E-04	1.45E-03	1.08E-04	4.84E-04	8.01E-04	2.65E-05
3709	741875.28	4110180.55	4.70E-03	8.57E-03	4.70E-04	7.29E-04	1.40E-03	7.06E-05	7.09E-04	1.21E-03	8.96E-05	4.03E-04	6.67E-04	2.21E-05
3710	741887.4	4110199.54	3.72E-03	6.78E-03	3.73E-04	5.77E-04	1.11E-03	5.59E-05	5.61E-04	9.57E-04	7.10E-05	3.19E-04	5.28E-04	1.75E-05
3711	741750.64	4110004.38	3.83E-03	6.98E-03	3.83E-04	5.94E-04	1.14E-03	5.75E-05	5.78E-04	9.85E-04	7.30E-05	3.28E-04	5.43E-04	1.80E-05
3712	741805.75	4110118.05	5.34E-03	9.74E-03	5.35E-04	8.29E-04	1.60E-03	8.02E-05	8.06E-04	1.37E-03	1.02E-04	4.58E-04	7.58E-04	2.51E-05
3713	741817.87	4110137.04	5.15E-03	9.39E-03	5.15E-04	7.99E-04	1.54E-03	7.73E-05	7.77E-04	1.32E-03	9.82E-05	4.41E-04	7.30E-04	2.42E-05
3714	741829.98	4110156.02	4.80E-03	8.75E-03	4.80E-04	7.44E-04	1.43E-03	7.21E-05	7.24E-04	1.23E-03	9.15E-05	4.11E-04	6.81E-04	2.26E-05
3715	741842.09	4110175.01	4.32E-03	7.87E-03	4.32E-04	6.70E-04	1.29E-03	6.48E-05	6.51E-04	1.11E-03	8.23E-05	3.70E-04	6.12E-04	2.03E-05
3716	741854.21	4110194	3.73E-03	6.79E-03	3.73E-04	5.78E-04	1.11E-03	5.59E-05	5.62E-04	9.58E-04	7.10E-05	3.19E-04	5.28E-04	1.75E-05
3717	741866.32	4110212.99	3.09E-03	5.64E-03	3.10E-04	4.80E-04	9.24E-04	4.64E-05	4.67E-04	7.95E-04	5.90E-05	2.65E-04	4.39E-04	1.45E-05
3718	741736.22	4110055.54	3.69E-03	6.73E-03	3.70E-04	5.73E-04	1.10E-03	5.54E-05	5.57E-04	9.50E-04	7.04E-05	3.17E-04	5.24E-04	1.74E-05
3719	741760.45	4110093.52	4.19E-03	7.63E-03	4.19E-04	6.49E-04	1.25E-03	6.28E-05	6.31E-04	1.08E-03	7.97E-05	3.59E-04	5.93E-04	1.97E-05

3720	741784.68	4110131.49	4.19E-03	7.63E-03	4.19E-04	6.49E-04	1.25E-03	6.28E-05	6.31E-04	1.08E-03	7.98E-05	3.59E-04	5.94E-04	1.97E-05
3721	741796.79	4110150.48	4.03E-03	7.34E-03	4.03E-04	6.24E-04	1.20E-03	6.04E-05	6.07E-04	1.04E-03	7.67E-05	3.45E-04	5.71E-04	1.89E-05
3722	741808.9	4110169.47	3.78E-03	6.89E-03	3.78E-04	5.86E-04	1.13E-03	5.67E-05	5.70E-04	9.72E-04	7.20E-05	3.24E-04	5.36E-04	1.78E-05
3723	741821.02	4110188.46	3.46E-03	6.30E-03	3.46E-04	5.36E-04	1.03E-03	5.19E-05	5.21E-04	8.89E-04	6.59E-05	2.96E-04	4.90E-04	1.62E-05
3724	741833.13	4110207.45	3.06E-03	5.57E-03	3.06E-04	4.74E-04	9.13E-04	4.59E-05	4.61E-04	7.86E-04	5.83E-05	2.62E-04	4.33E-04	1.44E-05
3725	741845.24	4110226.43	2.62E-03	4.77E-03	2.62E-04	4.06E-04	7.83E-04	3.93E-05	3.95E-04	6.73E-04	4.99E-05	2.24E-04	3.71E-04	1.23E-05
3726	741707.08	4109922.22	1.93E-03	3.52E-03	1.94E-04	3.00E-04	5.78E-04	2.90E-05	2.92E-04	4.97E-04	3.69E-05	1.66E-04	2.74E-04	9.09E-06
3727	741694.07	4110082.43	2.68E-03	4.88E-03	2.68E-04	4.16E-04	8.01E-04	4.02E-05	4.04E-04	6.89E-04	5.11E-05	2.30E-04	3.80E-04	1.26E-05
3728	741718.3	4110120.41	2.86E-03	5.21E-03	2.86E-04	4.44E-04	8.55E-04	4.29E-05	4.31E-04	7.36E-04	5.45E-05	2.45E-04	4.06E-04	1.34E-05
3729	741742.53	4110158.39	2.81E-03	5.12E-03	2.81E-04	4.35E-04	8.39E-04	4.21E-05	4.23E-04	7.22E-04	5.35E-05	2.41E-04	3.98E-04	1.32E-05
3730	741766.75	4110196.36	2.58E-03	4.70E-03	2.58E-04	4.00E-04	7.71E-04	3.87E-05	3.89E-04	6.63E-04	4.91E-05	2.21E-04	3.66E-04	1.21E-05
3731	741778.87	4110215.35	2.41E-03	4.39E-03	2.41E-04	3.74E-04	7.20E-04	3.62E-05	3.63E-04	6.19E-04	4.59E-05	2.06E-04	3.42E-04	1.13E-05
3732	741790.98	4110234.34	2.20E-03	4.00E-03	2.20E-04	3.41E-04	6.56E-04	3.30E-05	3.31E-04	5.65E-04	4.19E-05	1.88E-04	3.11E-04	1.03E-05
3733	741803.09	4110253.32	1.95E-03	3.56E-03	1.96E-04	3.03E-04	5.84E-04	2.93E-05	2.95E-04	5.02E-04	3.72E-05	1.67E-04	2.77E-04	9.18E-06
3734	741648.11	4110087.77	2.06E-03	3.75E-03	2.06E-04	3.19E-04	6.14E-04	3.09E-05	3.10E-04	5.29E-04	3.92E-05	1.76E-04	2.92E-04	9.66E-06
3735	741640.5	4110044.66	2.05E-03	3.74E-03	2.05E-04	3.18E-04	6.13E-04	3.08E-05	3.09E-04	5.27E-04	3.91E-05	1.76E-04	2.91E-04	9.64E-06
3736	741632.89	4110001.55	1.90E-03	3.47E-03	1.90E-04	2.95E-04	5.69E-04	2.86E-05	2.87E-04	4.89E-04	3.63E-05	1.63E-04	2.70E-04	8.95E-06
3737	741637.84	4109940.51	1.62E-03	2.96E-03	1.62E-04	2.52E-04	4.85E-04	2.44E-05	2.45E-04	4.17E-04	3.09E-05	1.39E-04	2.30E-04	7.63E-06
3738	741688.1	4109868.82	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.03E-05	2.04E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.34E-06
3739	741664.03	4110128.31	2.07E-03	3.77E-03	2.07E-04	3.20E-04	6.17E-04	3.10E-05	3.12E-04	5.31E-04	3.94E-05	1.77E-04	2.93E-04	9.71E-06
3740	741676.15	4110147.3	2.09E-03	3.80E-03	2.09E-04	3.23E-04	6.23E-04	3.13E-05	3.14E-04	5.36E-04	3.97E-05	1.79E-04	2.96E-04	9.80E-06
3741	741688.26	4110166.29	2.07E-03	3.78E-03	2.08E-04	3.22E-04	6.20E-04	3.11E-05	3.13E-04	5.33E-04	3.95E-05	1.78E-04	2.94E-04	9.75E-06
3742	741700.37	4110185.28	2.04E-03	3.72E-03	2.04E-04	3.17E-04	6.10E-04	3.07E-05	3.08E-04	5.25E-04	3.89E-05	1.75E-04	2.90E-04	9.60E-06
3743	741712.49	4110204.26	1.99E-03	3.63E-03	1.99E-04	3.09E-04	5.94E-04	2.99E-05	3.00E-04	5.11E-04	3.79E-05	1.70E-04	2.82E-04	9.35E-06
3744	741724.6	4110223.25	1.91E-03	3.49E-03	1.91E-04	2.97E-04	5.72E-04	2.87E-05	2.89E-04	4.92E-04	3.65E-05	1.64E-04	2.71E-04	8.99E-06
3745	741736.71	4110242.24	1.81E-03	3.30E-03	1.81E-04	2.81E-04	5.41E-04	2.72E-05	2.73E-04	4.65E-04	3.45E-05	1.55E-04	2.57E-04	8.51E-06
3746	741748.83	4110261.23	1.68E-03	3.06E-03	1.68E-04	2.60E-04	5.02E-04	2.52E-05	2.53E-04	4.32E-04	3.20E-05	1.44E-04	2.38E-04	7.89E-06
3747	741760.94	4110280.22	1.53E-03	2.79E-03	1.53E-04	2.37E-04	4.57E-04	2.29E-05	2.30E-04	3.93E-04	2.91E-05	1.31E-04	2.17E-04	7.18E-06
3748	741587.57	4110010.48	1.59E-03	2.89E-03	1.59E-04	2.46E-04	4.74E-04	2.38E-05	2.39E-04	4.08E-04	3.02E-05	1.36E-04	2.25E-04	7.45E-06
3749	741613.11	4109895.33	1.23E-03	2.24E-03	1.23E-04	1.90E-04	3.67E-04	1.84E-05	1.85E-04	3.16E-04	2.34E-05	1.05E-04	1.74E-04	5.77E-06
3750	741637.55	4109860.48	1.12E-03	2.04E-03	1.12E-04	1.73E-04	3.34E-04	1.68E-05	1.68E-04	2.87E-04	2.13E-05	9.57E-05	1.58E-04	5.25E-06
3751	741609.77	4110136.22	1.57E-03	2.86E-03	1.57E-04	2.43E-04	4.69E-04	2.36E-05	2.37E-04	4.04E-04	2.99E-05	1.35E-04	2.23E-04	7.38E-06
3752	741633.99	4110174.19	1.59E-03	2.90E-03	1.60E-04	2.47E-04	4.76E-04	2.39E-05	2.40E-04	4.10E-04	3.04E-05	1.37E-04	2.26E-04	7.49E-06
3753	741658.22	4110212.17	1.58E-03	2.87E-03	1.58E-04	2.45E-04	4.71E-04	2.37E-05	2.38E-04	4.05E-04	3.01E-05	1.35E-04	2.24E-04	7.41E-06
3754	741670.33	4110231.16	1.55E-03	2.82E-03	1.55E-04	2.40E-04	4.62E-04	2.32E-05	2.33E-04	3.98E-04	2.95E-05	1.33E-04	2.19E-04	7.27E-06
3755	741682.45	4110250.14	1.50E-03	2.73E-03	1.50E-04	2.33E-04	4.48E-04	2.25E-05	2.26E-04	3.86E-04	2.86E-05	1.29E-04	2.13E-04	7.05E-06
3756	741694.56	4110269.13	1.43E-03	2.61E-03	1.43E-04	2.22E-04	4.28E-04	2.15E-05	2.16E-04	3.68E-04	2.73E-05	1.23E-04	2.03E-04	6.73E-06
3757	741718.79	4110307.11	1.24E-03	2.26E-03	1.24E-04	1.92E-04	3.70E-04	1.86E-05	1.87E-04	3.18E-04	2.36E-05	1.06E-04	1.76E-04	5.82E-06
3758	741563.98	4110142.53	1.29E-03	2.35E-03	1.29E-04	2.00E-04	3.86E-04	1.94E-05	1.95E-04	3.32E-04	2.46E-05	1.11E-04	1.83E-04	6.07E-06
3759	741556.72	4110101.38	1.36E-03	2.47E-03	1.36E-04	2.10E-04	4.05E-04	2.04E-05	2.05E-04	3.49E-04	2.59E-05	1.16E-04	1.92E-04	6.38E-06
3760	741549.45	4110060.23	1.38E-03	2.52E-03	1.38E-04	2.14E-04	4.13E-04	2.08E-05	2.09E-04	3.55E-04	2.64E-05	1.18E-04	1.96E-04	6.50E-06
3761	741542.18	4110019.08	1.34E-03	2.44E-03	1.34E-04	2.08E-04	4.00E-04	2.01E-05	2.02E-04	3.44E-04	2.55E-05	1.15E-04	1.90E-04	6.30E-06
3762	741534.92	4109977.93	1.24E-03	2.25E-03	1.24E-04	1.92E-04	3.69E-04	1.86E-05	1.86E-04	3.18E-04	2.36E-05	1.06E-04	1.75E-04	5.81E-06
3763	741539.65	4109919.67	1.09E-03	1.98E-03	1.09E-04	1.69E-04	3.25E-04	1.63E-05	1.64E-04	2.80E-04	2.07E-05	9.32E-05	1.54E-04	5.11E-06
3764	741599.62	4109834.13	9.07E-04	1.65E-03	9.08E-05	1.41E-04	2.71E-04	1.36E-05	1.37E-04	2.33E-04	1.73E-05	7.77E-05	1.29E-04	4.26E-06
3765	741623.61	4109799.91	8.34E-04	1.52E-03	8.34E-05	1.29E-04	2.49E-04	1.25E-05	1.26E-04	2.14E-04	1.59E-05	7.15E-05	1.18E-04	3.92E-06
3766	741579.73	4110182.1	1.26E-03	2.30E-03	1.26E-04	1.96E-04	3.77E-04	1.89E-05	1.90E-04	3.24E-04	2.40E-05	1.08E-04	1.79E-04	5.93E-06
3767	741591.84	4110201.08	1.27E-03	2.31E-03	1.27E-04	1.97E-04	3.79E-04	1.90E-05	1.91E-04	3.26E-04	2.42E-05	1.09E-04	1.80E-04	5.96E-06
3768	741603.95	4110220.07	1.27E-03	2.32E-03	1.27E-04	1.97E-04	3.80E-04	1.91E-05	1.92E-04	3.27E-04	2.42E-05	1.09E-04	1.80E-04	5.98E-06
3769	741616.07	4110239.06	1.27E-03	2.31E-03	1.27E-04	1.96E-04	3.78E-04	1.90E-05	1.91E-04	3.26E-04	2.41E-05	1.09E-04	1.80E-04	5.95E-06
3770	741628.18	4110258.05	1.25E-03	2.28E-03	1.25E-04	1.94E-04	3.73E-04	1.88E-05	1.88E-04	3.21E-04	2.38E-05	1.07E-04	1.77E-04	5.87E-06
3771	741640.29	4110277.04	1.22E-03	2.22E-03	1.22E-04	1.89E-04	3.64E-04	1.83E-05	1.84E-04	3.13E-04	2.32E-05	1.04E-04	1.73E-04	5.73E-06
3772	741652.41	4110296.02	1.17E-03	2.13E-03	1.17E-04	1.82E-04	3.50E-04	1.76E-05	1.77E-04	3.01E-04	2.23E-05	1.00E-04	1.66E-04	5.51E-06
3773	741664.52	4110315.01	1.11E-03	2.02E-03	1.11E-04	1.72E-04	3.31E-04	1.66E-05	1.67E-04	2.85E-04	2.11E-05	9.50E-05	1.57E-04	5.21E-06
3774	741676.63	4110334	1.03E-03	1.88E-03	1.03E-04	1.60E-04	3.09E-04	1.55E-05	1.56E-04	2.66E-04	1.97E-05	8.85E-05	1.46E-04	4.85E-06
3775	741479.5	4110195.34	8.80E-04	1.60E-03	8.81E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.54E-05	1.25E-04	4.14E-06
3776	741471.89	4110152.23	9.37E-04	1.71E-03	9.38E-05	1.45E-04	2.80E-04	1.41E-05	1.41E-04	2.41E-04	1.79E-05	8.03E-05	1.33E-04	4.40E-06
3777	741464.28	4110109.11	9.93E-04	1.81E-03	9.94E-05	1.54E-04	2.97E-04	1.49E-05	1.50E-04	2.55E-04	1.89E-05	8.51E-05	1.41E-04	4.67E-06
3778	741456.67	4110066	1.02E-03	1.85E-03	1.02E-04	1.57E-04	3.03E-04	1.52E-05	1.53E-04	2.61E-04	1.94E-05	8.70E-05	1.44E-04	4.77E-06
3779	741449.06	4110022.89	9.88E-04	1.80E-03	9.89E-05	1.53E-04	2.95E-04	1.48E-05	1.49E-04	2.54E-04	1.88E-05	8.47E-05	1.40E-04	4.64E-06
3780	741441.44	4109979.78	9.22E-04	1.68E-03	9.23E-05	1.43E-04	2.76E-04	1.38E-05	1.39E-04	2.37E-04	1.76E-05	7.90E-05	1.31E-04	4.33E-06
3781	741433.83	4109936.67	8.40E-04	1.53E-03	8.41E-05	1.30E-04	2.51E-04	1.26E-05	1.27E-04	2.16E-04	1.60E-05	7.20E-05	1.19E-04	3.95E-06
3782	741442.59	4109897.19	7.88E-04	1.44E-03	7.88E-05	1.22E-04	2.35E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.75E-05	1.12E-04	3.70E-06
3783	741505.42	4109807.58	6.79E-04	1.24E-03	6.79E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.82E-05	9.62E-05	3.19E-06
3784	741530.55	4109771.73	6.22E-04	1.13E-03	6.22E-05	9.65E-05	1.86E-04	9.33E-06	9.38E-05	1.60E-04	1.19E-05	5.33E-05	8.82E-05	2.92E-06
3785	741555.68	4109735.89	5.66E-04	1.03E-03	5.66E-05	8.78E-05	1.69E-04	8.49E-06	8.53E-05	1.45E-04	1.08E-05	4.85E-05	8.02E-05	2.66E-06
3786	741580.81	4109700.04	5.11E-04	9.32E-04	5.12E-05	7.93E-05	1.53E-04	7.67E-06	7.71E-05	1.31E-04	9.74E-06	4.38E-05	7.25E-05	2.40E-06
3787	741495.42	4110235.88	8.65E-04	1.58E-03	8.65E-05	1.34E-04	2.58E-04	1.30E-05	1.30E-04	2.22E-04	1.65E-05	7.41E-05	1.23E-04	4.06E-06
3788	741519.65	4110273.86	8.80E-04	1.60E-03	8.80E-05	1.36E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.54E-05	1.25E-04	4.14E-06
3789	741531.76	4110292.84	8.82E-04	1.61E-03	8.82E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.27E-04	1.68E-05	7.55E-05	1.25E-04	4.14E-06
3790	741543.88	4110311.83	8.77E-04	1.60E-03	8.77E-05	1.36E-04	2.62E-04	1.32E-05	1.32E-04	2.25E-04	1.67E-05	7.51E-05	1.24E-04	4.12E-06
3791	741555.99	4110330.82	8.63E-04	1.57E-03	8.63E-05	1.34E-04	2.58E-04	1.29E-05	1.30E-04	2.22E-04	1.64E-05	7.39E-05	1.22E-04	4.05E-06
3792	741568.1	4110349.81	8.39E-04	1.53E-03	8.40E-05	1.30E-04	2.51E-04	1.26E-05	1.27E-04	2.16E-04	1.60E-05	7.19E-05	1.19E-04	3.94E-06

3793	741580.22	4110368.79	8.05E-04	1.47E-03	8.06E-05	1.25E-04	2.41E-04	1.21E-05	1.21E-04	2.07E-04	1.53E-05	6.90E-05	1.14E-04	3.78E-06
3794	741592.33	4110387.78	7.63E-04	1.39E-03	7.63E-05	1.18E-04	2.28E-04	1.14E-05	1.15E-04	1.96E-04	1.45E-05	6.54E-05	1.08E-04	3.59E-06
3795	741395.3	4110249.72	6.46E-04	1.18E-03	6.47E-05	1.00E-04	1.93E-04	9.70E-06	9.74E-05	1.66E-04	1.23E-05	5.54E-05	9.16E-05	3.04E-06
3796	741387.9	4110207.8	6.77E-04	1.23E-03	6.77E-05	1.05E-04	2.02E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.80E-05	9.60E-05	3.18E-06
3797	741380.5	4110165.89	7.21E-04	1.31E-03	7.22E-05	1.12E-04	2.15E-04	1.08E-05	1.09E-04	1.85E-04	1.37E-05	6.18E-05	1.02E-04	3.39E-06
3798	741373.1	4110123.98	7.65E-04	1.39E-03	7.66E-05	1.19E-04	2.29E-04	1.15E-05	1.15E-04	1.97E-04	1.46E-05	6.56E-05	1.09E-04	3.60E-06
3799	741365.7	4110082.06	7.89E-04	1.44E-03	7.90E-05	1.22E-04	2.36E-04	1.18E-05	1.19E-04	2.03E-04	1.50E-05	6.76E-05	1.12E-04	3.71E-06
3800	741358.3	4110040.15	7.80E-04	1.42E-03	7.80E-05	1.21E-04	2.33E-04	1.17E-05	1.18E-04	2.00E-04	1.49E-05	6.68E-05	1.11E-04	3.66E-06
3801	741350.9	4109998.24	7.40E-04	1.35E-03	7.41E-05	1.15E-04	2.21E-04	1.11E-05	1.12E-04	1.90E-04	1.41E-05	6.34E-05	1.05E-04	3.48E-06
3802	741343.5	4109956.32	6.87E-04	1.25E-03	6.88E-05	1.07E-04	2.05E-04	1.03E-05	1.04E-04	1.77E-04	1.31E-05	5.89E-05	9.74E-05	3.23E-06
3803	741336.1	4109914.41	6.32E-04	1.15E-03	6.33E-05	9.81E-05	1.89E-04	9.49E-06	9.54E-05	1.63E-04	1.21E-05	5.42E-05	8.97E-05	2.97E-06
3804	741344.62	4109876.03	6.02E-04	1.10E-03	6.02E-05	9.34E-05	1.80E-04	9.03E-06	9.08E-05	1.55E-04	1.15E-05	5.16E-05	8.54E-05	2.83E-06
3805	741405.7	4109788.9	5.43E-04	9.90E-04	5.43E-05	8.42E-05	1.62E-04	8.15E-06	8.19E-05	1.40E-04	1.03E-05	4.65E-05	7.70E-05	2.55E-06
3806	741430.13	4109754.05	5.05E-04	9.19E-04	5.05E-05	7.82E-05	1.51E-04	7.57E-06	7.61E-05	1.30E-04	9.61E-06	4.32E-05	7.15E-05	2.37E-06
3807	741454.56	4109719.2	4.61E-04	8.39E-04	4.61E-05	7.14E-05	1.38E-04	6.91E-06	6.95E-05	1.18E-04	8.78E-06	3.95E-05	6.53E-05	2.16E-06
3808	741479	4109684.35	4.18E-04	7.61E-04	4.18E-05	6.48E-05	1.25E-04	6.27E-06	6.30E-05	1.07E-04	7.96E-06	3.58E-05	5.92E-05	1.96E-06
3809	741503.43	4109649.5	3.81E-04	6.95E-04	3.82E-05	5.91E-05	1.14E-04	5.72E-06	5.75E-05	9.80E-05	7.27E-06	3.27E-05	5.41E-05	1.79E-06
3810	741527.86	4109614.65	3.49E-04	6.36E-04	3.49E-05	5.41E-05	1.04E-04	5.24E-06	5.26E-05	8.97E-05	6.65E-06	2.99E-05	4.95E-05	1.64E-06
3811	741411.12	4110289.66	6.43E-04	1.17E-03	6.43E-05	9.97E-05	1.92E-04	9.65E-06	9.69E-05	1.65E-04	1.22E-05	5.51E-05	9.11E-05	3.02E-06
3812	741423.23	4110308.65	6.50E-04	1.18E-03	6.50E-05	1.01E-04	1.94E-04	9.76E-06	9.80E-05	1.67E-04	1.24E-05	5.57E-05	9.22E-05	3.06E-06
3813	741435.34	4110327.64	6.56E-04	1.20E-03	6.57E-05	1.02E-04	1.96E-04	9.85E-06	9.90E-05	1.69E-04	1.25E-05	5.62E-05	9.31E-05	3.08E-06
3814	741447.46	4110346.63	6.60E-04	1.20E-03	6.60E-05	1.02E-04	1.97E-04	9.90E-06	9.95E-05	1.70E-04	1.26E-05	5.65E-05	9.35E-05	3.10E-06
3815	741471.68	4110384.6	6.51E-04	1.19E-03	6.52E-05	1.01E-04	1.95E-04	9.78E-06	9.82E-05	1.67E-04	1.24E-05	5.58E-05	9.24E-05	3.06E-06
3816	741483.8	4110403.59	6.38E-04	1.16E-03	6.38E-05	9.89E-05	1.91E-04	9.57E-06	9.62E-05	1.64E-04	1.22E-05	5.47E-05	9.04E-05	3.00E-06
3817	741495.91	4110422.58	6.18E-04	1.13E-03	6.19E-05	9.59E-05	1.85E-04	9.28E-06	9.32E-05	1.59E-04	1.18E-05	5.30E-05	8.77E-05	2.91E-06
3818	741508.02	4110441.56	5.93E-04	1.08E-03	5.94E-05	9.20E-05	1.77E-04	8.91E-06	8.95E-05	1.53E-04	1.13E-05	5.08E-05	8.41E-05	2.79E-06
3819	741310.89	4110302.9	5.02E-04	9.15E-04	5.02E-05	7.79E-05	1.50E-04	7.54E-06	7.57E-05	1.29E-04	9.57E-06	4.30E-05	7.12E-05	2.36E-06
3820	741303.28	4110259.79	5.18E-04	9.44E-04	5.18E-05	8.03E-05	1.55E-04	7.77E-06	7.81E-05	1.33E-04	9.87E-06	4.44E-05	7.34E-05	2.43E-06
3821	741295.67	4110216.68	5.46E-04	9.94E-04	5.46E-05	8.46E-05	1.63E-04	8.19E-06	8.23E-05	1.40E-04	1.04E-05	4.68E-05	7.74E-05	2.56E-06
3822	741288.06	4110173.57	5.83E-04	1.06E-03	5.84E-05	9.05E-05	1.74E-04	8.76E-06	8.80E-05	1.50E-04	1.11E-05	5.00E-05	8.27E-05	2.74E-06
3823	741280.45	4110130.46	6.20E-04	1.13E-03	6.20E-05	9.61E-05	1.85E-04	9.30E-06	9.34E-05	1.59E-04	1.18E-05	5.31E-05	8.79E-05	2.91E-06
3824	741272.83	4110087.35	6.38E-04	1.16E-03	6.39E-05	9.90E-05	1.91E-04	9.58E-06	9.62E-05	1.64E-04	1.22E-05	5.47E-05	9.05E-05	3.00E-06
3825	741265.22	4110044.24	6.29E-04	1.15E-03	6.30E-05	9.76E-05	1.88E-04	9.44E-06	9.49E-05	1.62E-04	1.20E-05	5.39E-05	8.92E-05	2.96E-06
3826	741257.61	4110001.13	5.97E-04	1.09E-03	5.98E-05	9.26E-05	1.78E-04	8.96E-06	9.01E-05	1.54E-04	1.14E-05	5.12E-05	8.47E-05	2.81E-06
3827	741250	4109958.02	5.56E-04	1.01E-03	5.56E-05	8.62E-05	1.66E-04	8.35E-06	8.39E-05	1.43E-04	1.06E-05	4.77E-05	7.88E-05	2.61E-06
3828	741242.39	4109914.9	5.16E-04	9.41E-04	5.17E-05	8.01E-05	1.54E-04	7.75E-06	7.79E-05	1.33E-04	9.84E-06	4.42E-05	7.32E-05	2.43E-06
3829	741247.34	4109853.87	4.79E-04	8.73E-04	4.79E-05	7.43E-05	1.43E-04	7.19E-06	7.22E-05	1.23E-04	9.12E-06	4.10E-05	6.79E-05	2.25E-06
3830	741310.17	4109764.26	4.43E-04	8.08E-04	4.43E-05	6.87E-05	1.32E-04	6.65E-06	6.68E-05	1.14E-04	8.45E-06	3.80E-05	6.28E-05	2.08E-06
3831	741335.3	4109728.41	4.15E-04	7.57E-04	4.15E-05	6.44E-05	1.24E-04	6.23E-06	6.26E-05	1.07E-04	7.91E-06	3.56E-05	5.89E-05	1.95E-06
3832	741360.43	4109692.56	3.80E-04	6.93E-04	3.81E-05	5.90E-05	1.14E-04	5.71E-06	5.74E-05	9.78E-05	7.25E-06	3.26E-05	5.39E-05	1.79E-06
3833	741385.56	4109656.72	3.43E-04	6.26E-04	3.44E-05	5.32E-05	1.03E-04	5.15E-06	5.18E-05	8.83E-05	6.54E-06	2.94E-05	4.87E-05	1.61E-06
3834	741410.69	4109620.87	3.11E-04	5.67E-04	3.12E-05	4.83E-05	9.30E-05	4.67E-06	4.70E-05	8.00E-05	5.93E-06	2.67E-05	4.41E-05	1.46E-06
3835	741435.82	4109585.03	2.87E-04	5.23E-04	2.87E-05	4.45E-05	8.57E-05	4.30E-06	4.33E-05	7.37E-05	5.47E-06	2.46E-05	4.07E-05	1.35E-06
3836	741460.95	4109549.18	2.66E-04	4.85E-04	2.67E-05	4.13E-05	7.96E-05	4.00E-06	4.02E-05	6.85E-05	5.08E-06	2.28E-05	3.78E-05	1.25E-06
3837	741326.81	4110343.45	5.03E-04	9.16E-04	5.03E-05	7.80E-05	1.50E-04	7.55E-06	7.58E-05	1.29E-04	9.58E-06	4.31E-05	7.13E-05	2.36E-06
3838	741338.92	4110362.43	5.09E-04	9.27E-04	5.09E-05	7.89E-05	1.52E-04	7.63E-06	7.67E-05	1.31E-04	9.69E-06	4.36E-05	7.21E-05	2.39E-06
3839	741351.04	4110381.42	5.14E-04	9.36E-04	5.14E-05	7.97E-05	1.54E-04	7.71E-06	7.75E-05	1.32E-04	9.79E-06	4.40E-05	7.29E-05	2.41E-06
3840	741363.15	4110400.41	5.17E-04	9.43E-04	5.18E-05	8.02E-05	1.55E-04	7.76E-06	7.80E-05	1.33E-04	9.86E-06	4.43E-05	7.33E-05	2.43E-06
3841	741375.26	4110419.4	5.18E-04	9.43E-04	5.18E-05	8.03E-05	1.55E-04	7.77E-06	7.81E-05	1.33E-04	9.87E-06	4.44E-05	7.34E-05	2.43E-06
3842	741387.38	4110438.38	5.14E-04	9.37E-04	5.15E-05	7.98E-05	1.54E-04	7.72E-06	7.76E-05	1.32E-04	9.80E-06	4.41E-05	7.29E-05	2.42E-06
3843	741411.6	4110476.36	4.94E-04	9.00E-04	4.94E-05	7.66E-05	1.48E-04	7.42E-06	7.45E-05	1.27E-04	9.42E-06	4.23E-05	7.01E-05	2.32E-06
3844	741423.72	4110495.35	4.78E-04	8.70E-04	4.78E-05	7.41E-05	1.43E-04	7.17E-06	7.20E-05	1.23E-04	9.10E-06	4.09E-05	6.77E-05	2.24E-06
3845	741226.51	4110356.24	4.06E-04	7.39E-04	4.06E-05	6.29E-05	1.21E-04	6.09E-06	6.12E-05	1.04E-04	7.73E-06	3.48E-05	5.75E-05	1.91E-06
3846	741218.74	4110312.23	4.15E-04	7.56E-04	4.15E-05	6.43E-05	1.24E-04	6.22E-06	6.25E-05	1.07E-04	7.90E-06	3.55E-05	5.88E-05	1.95E-06
3847	741210.97	4110268.22	4.30E-04	7.84E-04	4.31E-05	6.67E-05	1.29E-04	6.46E-06	6.49E-05	1.11E-04	8.20E-06	3.69E-05	6.10E-05	2.02E-06
3848	741203.2	4110224.21	4.56E-04	8.30E-04	4.56E-05	7.07E-05	1.36E-04	6.84E-06	6.87E-05	1.17E-04	8.68E-06	3.90E-05	6.46E-05	2.14E-06
3849	741195.43	4110180.2	4.88E-04	8.89E-04	4.88E-05	7.57E-05	1.46E-04	7.33E-06	7.36E-05	1.25E-04	9.30E-06	4.18E-05	6.92E-05	2.29E-06
3850	741187.66	4110136.19	5.18E-04	9.43E-04	5.18E-05	8.03E-05	1.55E-04	7.77E-06	7.81E-05	1.33E-04	9.87E-06	4.44E-05	7.34E-05	2.43E-06
3851	741179.89	4110092.18	5.32E-04	9.69E-04	5.32E-05	8.24E-05	1.59E-04	7.98E-06	8.02E-05	1.37E-04	1.01E-05	4.55E-05	7.54E-05	2.50E-06
3852	741172.12	4110048.17	5.23E-04	9.52E-04	5.23E-05	8.11E-05	1.56E-04	7.84E-06	7.88E-05	1.34E-04	9.96E-06	4.48E-05	7.41E-05	2.46E-06
3853	741164.35	4110004.16	4.96E-04	9.03E-04	4.96E-05	7.69E-05	1.48E-04	7.44E-06	7.48E-05	1.27E-04	9.45E-06	4.25E-05	7.03E-05	2.33E-06
3854	741156.57	4109960.16	4.62E-04	8.42E-04	4.62E-05	7.16E-05	1.38E-04	6.93E-06	6.96E-05	1.19E-04	8.80E-06	3.96E-05	6.55E-05	2.17E-06
3855	741148.8	4109916.15	4.30E-04	7.84E-04	4.31E-05	6.67E-05	1.29E-04	6.46E-06	6.49E-05	1.11E-04	8.20E-06	3.69E-05	6.10E-05	2.02E-06
3856	741141.03	4109872.14	4.04E-04	7.36E-04	4.04E-05	6.27E-05	1.21E-04	6.06E-06	6.09E-05	1.04E-04	7.70E-06	3.46E-05	5.73E-05	1.90E-06
3857	741149.98	4109831.84	3.92E-04	7.15E-04	3.93E-05	6.08E-05	1.17E-04	5.89E-06	5.92E-05	1.01E-04	7.48E-06	3.36E-05	5.56E-05	1.84E-06
3858	741175.63	4109795.24	3.89E-04	7.09E-04	3.89E-05	6.03E-05	1.16E-04	5.84E-06	5.86E-05	1.00E-04	7.41E-06	3.33E-05	5.51E-05	1.83E-06
3859	741201.28	4109758.65	3.79E-04	6.90E-04	3.79E-05	5.87E-05	1.13E-04	5.68E-06	5.71E-05	9.73E-05	7.21E-06	3.24E-05	5.37E-05	1.78E-06
3860	741214.11	4109740.35	3.71E-04	6.76E-04	3.71E-05	5.75E-05	1.11E-04	5.57E-06	5.59E-05	9.54E-05	7.07E-06	3.18E-05	5.26E-05	1.74E-06
3861	741239.77	4109703.76	3.51E-04	6.39E-04	3.51E-05	5.44E-05	1.05E-04	5.26E-06	5.29E-05	9.01E-05	6.68E-06	3.00E-05	4.97E-05	1.65E-06
3862	741265.42	4109667.17	3.24E-04	5.90E-04	3.24E-05	5.02E-05	9.67E-05	4.86E-06	4.88E-05	8.32E-05	6.17E-06	2.77E-05	4.59E-05	1.52E-06
3863	741278.25	4109648.87	3.09E-04	5.62E-04	3.09E-05	4.78E-05	9.22E-05	4.63E-06	4.65E-05	7.93E-05	5.88E-06	2.64E-05	4.37E-05	1.45E-06
3864	741303.9	4109612.28	2.78E-04	5.07E-04	2.78E-05	4.31E-05	8.31E-05	4.17E-06	4.19E-05	7.15E-05	5.30E-06	2.38E-05	3.94E-05	1.31E-06
3865	741329.55	4109575.69	2.52E-04	4.59E-04	2.52E-05	3.91E-05	7.53E-05	3.78E-06	3.80E-05	6.48E-05	4.80E-06	2.16E-05	3.57E-05	1.18E-06

3866	741355.21	4109539.09	2.33E-04	4.24E-04	2.33E-05	3.61E-05	6.95E-05	3.49E-06	3.51E-05	5.98E-05	4.43E-06	1.99E-05	3.30E-05	1.09E-06
3867	741380.86	4109502.5	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.51E-05	3.27E-06	3.29E-05	5.60E-05	4.15E-06	1.87E-05	3.09E-05	1.02E-06
3868	741406.52	4109465.91	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.11E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
3869	741419.34	4109447.61	2.01E-04	3.66E-04	2.01E-05	3.11E-05	5.99E-05	3.01E-06	3.03E-05	5.16E-05	3.82E-06	1.72E-05	2.84E-05	9.43E-07
3870	741242.51	4110397.23	4.07E-04	7.42E-04	4.07E-05	6.31E-05	1.22E-04	6.11E-06	6.14E-05	1.05E-04	7.76E-06	3.49E-05	5.77E-05	1.91E-06
3871	741254.62	4110416.22	4.12E-04	7.51E-04	4.12E-05	6.39E-05	1.23E-04	6.19E-06	6.22E-05	1.06E-04	7.85E-06	3.53E-05	5.84E-05	1.94E-06
3872	741266.73	4110435.2	4.16E-04	7.59E-04	4.17E-05	6.46E-05	1.24E-04	6.25E-06	6.28E-05	1.07E-04	7.94E-06	3.57E-05	5.91E-05	1.96E-06
3873	741278.85	4110454.19	4.20E-04	7.64E-04	4.20E-05	6.51E-05	1.25E-04	6.30E-06	6.33E-05	1.08E-04	7.99E-06	3.59E-05	5.95E-05	1.97E-06
3874	741290.96	4110473.18	4.21E-04	7.67E-04	4.21E-05	6.52E-05	1.26E-04	6.31E-06	6.34E-05	1.08E-04	8.02E-06	3.60E-05	5.96E-05	1.98E-06
3875	741303.07	4110492.17	4.19E-04	7.64E-04	4.19E-05	6.50E-05	1.25E-04	6.29E-06	6.32E-05	1.08E-04	7.99E-06	3.59E-05	5.94E-05	1.97E-06
3876	741315.19	4110511.16	4.15E-04	7.56E-04	4.15E-05	6.43E-05	1.24E-04	6.22E-06	6.25E-05	1.07E-04	7.90E-06	3.55E-05	5.88E-05	1.95E-06
3877	741327.3	4110530.14	4.07E-04	7.41E-04	4.07E-05	6.31E-05	1.22E-04	6.11E-06	6.13E-05	1.05E-04	7.75E-06	3.49E-05	5.77E-05	1.91E-06
3878	741339.41	4110549.13	3.96E-04	7.21E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.54E-06	3.39E-05	5.61E-05	1.86E-06
3879	741057.91	4110463.9	2.86E-04	5.22E-04	2.87E-05	4.44E-05	8.56E-05	4.30E-06	4.32E-05	7.36E-05	5.46E-06	2.45E-05	4.06E-05	1.35E-06
3880	741050.18	4110420.1	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.45E-05	5.52E-06	2.48E-05	4.11E-05	1.36E-06
3881	741042.45	4110376.29	2.95E-04	5.38E-04	2.95E-05	4.58E-05	8.82E-05	4.43E-06	4.45E-05	7.59E-05	5.62E-06	2.53E-05	4.18E-05	1.39E-06
3882	741034.71	4110332.49	3.03E-04	5.52E-04	3.03E-05	4.70E-05	9.06E-05	4.55E-06	4.57E-05	7.79E-05	5.78E-06	2.60E-05	4.30E-05	1.42E-06
3883	741026.98	4110288.68	3.16E-04	5.77E-04	3.17E-05	4.91E-05	9.45E-05	4.75E-06	4.77E-05	8.13E-05	6.03E-06	2.71E-05	4.49E-05	1.49E-06
3884	741019.24	4110244.87	3.36E-04	6.12E-04	3.36E-05	5.21E-05	1.00E-04	5.04E-06	5.07E-05	8.64E-05	6.40E-06	2.88E-05	4.76E-05	1.58E-06
3885	741011.51	4110201.07	3.59E-04	6.55E-04	3.60E-05	5.57E-05	1.07E-04	5.39E-06	5.42E-05	9.24E-05	6.85E-06	3.08E-05	5.10E-05	1.69E-06
3886	741003.77	4110157.26	3.80E-04	6.92E-04	3.80E-05	5.89E-05	1.13E-04	5.70E-06	5.73E-05	9.77E-05	7.24E-06	3.26E-05	5.39E-05	1.79E-06
3887	740996.04	4110113.45	3.90E-04	7.11E-04	3.90E-05	6.05E-05	1.16E-04	5.85E-06	5.88E-05	1.00E-04	7.43E-06	3.34E-05	5.53E-05	1.83E-06
3888	740988.3	4110069.65	3.86E-04	7.03E-04	3.86E-05	5.98E-05	1.15E-04	5.79E-06	5.82E-05	9.92E-05	7.35E-06	3.31E-05	5.47E-05	1.81E-06
3889	740980.57	4110025.84	3.69E-04	6.73E-04	3.70E-05	5.73E-05	1.10E-04	5.54E-06	5.57E-05	9.50E-05	7.04E-06	3.17E-05	5.24E-05	1.74E-06
3890	740972.84	4109982.04	3.47E-04	6.32E-04	3.47E-05	5.38E-05	1.04E-04	5.20E-06	5.23E-05	8.91E-05	6.61E-06	2.97E-05	4.92E-05	1.63E-06
3891	740965.1	4109938.23	3.24E-04	5.90E-04	3.24E-05	5.03E-05	9.68E-05	4.86E-06	4.89E-05	8.33E-05	6.17E-06	2.78E-05	4.59E-05	1.52E-06
3892	740957.37	4109894.42	3.05E-04	5.56E-04	3.06E-05	4.74E-05	9.12E-05	4.58E-06	4.61E-05	7.85E-05	5.82E-06	2.62E-05	4.33E-05	1.44E-06
3893	740949.63	4109850.62	2.91E-04	5.31E-04	2.91E-05	4.52E-05	8.70E-05	4.37E-06	4.39E-05	7.49E-05	5.55E-06	2.50E-05	4.13E-05	1.37E-06
3894	740954.67	4109788.6	2.82E-04	5.13E-04	2.82E-05	4.37E-05	8.41E-05	4.23E-06	4.25E-05	7.24E-05	5.37E-06	2.41E-05	3.99E-05	1.32E-06
3895	740980.2	4109752.17	2.83E-04	5.15E-04	2.83E-05	4.38E-05	8.44E-05	4.24E-06	4.26E-05	7.26E-05	5.38E-06	2.42E-05	4.01E-05	1.33E-06
3896	741005.74	4109715.75	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.34E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
3897	741031.27	4109679.33	2.70E-04	4.93E-04	2.71E-05	4.19E-05	8.08E-05	4.06E-06	4.08E-05	6.95E-05	5.15E-06	2.32E-05	3.84E-05	1.27E-06
3898	741056.81	4109642.9	2.57E-04	4.69E-04	2.57E-05	3.99E-05	7.69E-05	3.86E-06	3.88E-05	6.61E-05	4.90E-06	2.20E-05	3.65E-05	1.21E-06
3899	741082.34	4109606.48	2.40E-04	4.38E-04	2.40E-05	3.73E-05	7.18E-05	3.61E-06	3.62E-05	6.18E-05	4.58E-06	2.06E-05	3.41E-05	1.13E-06
3900	741107.88	4109570.05	2.21E-04	4.02E-04	2.21E-05	3.42E-05	6.59E-05	3.31E-06	3.33E-05	5.67E-05	4.20E-06	1.89E-05	3.13E-05	1.04E-06
3901	741133.42	4109533.63	2.00E-04	3.65E-04	2.00E-05	3.11E-05	5.98E-05	3.01E-06	3.02E-05	5.15E-05	3.82E-06	1.72E-05	2.84E-05	9.41E-07
3902	741158.95	4109497.21	1.82E-04	3.32E-04	1.82E-05	2.82E-05	5.44E-05	2.73E-06	2.75E-05	4.68E-05	3.47E-06	1.56E-05	2.58E-05	8.56E-07
3903	741184.49	4109460.78	1.68E-04	3.05E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.19E-06	1.44E-05	2.38E-05	7.88E-07
3904	741210.02	4109424.36	1.57E-04	2.86E-04	1.57E-05	2.44E-05	4.70E-05	2.36E-06	2.37E-05	4.04E-05	3.00E-06	1.35E-05	2.23E-05	7.39E-07
3905	741235.56	4109387.93	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.48E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.04E-07
3906	741261.1	4109351.51	1.44E-04	2.63E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.71E-05	2.75E-06	1.24E-05	2.05E-05	6.79E-07
3907	741286.63	4109315.08	1.40E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.61E-05	2.68E-06	1.20E-05	1.99E-05	6.60E-07
3908	741312.17	4109278.66	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
3909	741073.9	4110504.79	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.61E-05	4.33E-06	4.35E-05	7.41E-05	5.49E-06	2.47E-05	4.09E-05	1.35E-06
3910	741086.01	4110523.78	2.91E-04	5.31E-04	2.91E-05	4.52E-05	8.70E-05	4.37E-06	4.39E-05	7.49E-05	5.55E-06	2.50E-05	4.13E-05	1.37E-06
3911	741098.12	4110542.77	2.94E-04	5.36E-04	2.94E-05	4.56E-05	8.78E-05	4.41E-06	4.43E-05	7.56E-05	5.60E-06	2.52E-05	4.17E-05	1.38E-06
3912	741110.24	4110561.76	2.96E-04	5.40E-04	2.96E-05	4.59E-05	8.85E-05	4.45E-06	4.47E-05	7.61E-05	5.64E-06	2.54E-05	4.20E-05	1.39E-06
3913	741122.35	4110580.75	2.97E-04	5.42E-04	2.98E-05	4.61E-05	8.88E-05	4.46E-06	4.48E-05	7.65E-05	5.67E-06	2.55E-05	4.22E-05	1.40E-06
3914	741134.46	4110599.73	2.97E-04	5.42E-04	2.98E-05	4.61E-05	8.89E-05	4.46E-06	4.48E-05	7.65E-05	5.67E-06	2.55E-05	4.22E-05	1.40E-06
3915	741146.58	4110618.72	2.96E-04	5.39E-04	2.96E-05	4.59E-05	8.84E-05	4.44E-06	4.46E-05	7.61E-05	5.64E-06	2.54E-05	4.20E-05	1.39E-06
3916	741158.69	4110637.71	2.93E-04	5.34E-04	2.93E-05	4.54E-05	8.75E-05	4.40E-06	4.42E-05	7.53E-05	5.58E-06	2.51E-05	4.15E-05	1.38E-06
3917	741170.8	4110656.7	2.88E-04	5.25E-04	2.88E-05	4.47E-05	8.60E-05	4.32E-06	4.34E-05	7.40E-05	5.49E-06	2.47E-05	4.08E-05	1.35E-06
3918	740889.32	4110571.53	2.17E-04	3.95E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.27E-05	5.57E-05	4.13E-06	1.86E-05	3.07E-05	1.02E-06
3919	740881.6	4110527.86	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.51E-05	3.27E-06	3.29E-05	5.61E-05	4.16E-06	1.87E-05	3.09E-05	1.02E-06
3920	740873.89	4110484.18	2.21E-04	4.02E-04	2.21E-05	3.42E-05	6.59E-05	3.31E-06	3.33E-05	5.67E-05	4.20E-06	1.89E-05	3.13E-05	1.04E-06
3921	740866.18	4110440.5	2.24E-04	4.08E-04	2.24E-05	3.47E-05	6.69E-05	3.36E-06	3.38E-05	5.76E-05	4.27E-06	1.92E-05	3.17E-05	1.05E-06
3922	740858.47	4110396.82	2.29E-04	4.17E-04	2.29E-05	3.55E-05	6.83E-05	3.43E-06	3.45E-05	5.88E-05	4.36E-06	1.96E-05	3.24E-05	1.07E-06
3923	740850.76	4110353.14	2.36E-04	4.30E-04	2.36E-05	3.66E-05	7.05E-05	3.54E-06	3.56E-05	6.07E-05	4.50E-06	2.02E-05	3.35E-05	1.11E-06
3924	740843.04	4110309.47	2.47E-04	4.51E-04	2.47E-05	3.84E-05	7.39E-05	3.71E-06	3.73E-05	6.36E-05	4.71E-06	2.12E-05	3.51E-05	1.16E-06
3925	740835.33	4110265.79	2.63E-04	4.79E-04	2.63E-05	4.08E-05	7.86E-05	3.95E-06	3.97E-05	6.76E-05	5.01E-06	2.25E-05	3.73E-05	1.24E-06
3926	740827.62	4110222.11	2.80E-04	5.11E-04	2.81E-05	4.35E-05	8.38E-05	4.21E-06	4.23E-05	7.21E-05	5.34E-06	2.40E-05	3.98E-05	1.32E-06
3927	740819.91	4110178.43	2.95E-04	5.38E-04	2.95E-05	4.58E-05	8.81E-05	4.43E-06	4.45E-05	7.58E-05	5.62E-06	2.53E-05	4.18E-05	1.39E-06
3928	740812.2	4110134.75	3.02E-04	5.51E-04	3.02E-05	4.69E-05	9.03E-05	4.54E-06	4.56E-05	7.77E-05	5.76E-06	2.59E-05	4.29E-05	1.42E-06
3929	740804.48	4110091.07	3.00E-04	5.47E-04	3.00E-05	4.66E-05	8.97E-05	4.51E-06	4.53E-05	7.72E-05	5.72E-06	2.57E-05	4.26E-05	1.41E-06
3930	740796.77	4110047.4	2.90E-04	5.28E-04	2.90E-05	4.50E-05	8.66E-05	4.35E-06	4.37E-05	7.45E-05	5.52E-06	2.48E-05	4.11E-05	1.36E-06
3931	740789.06	4110003.72	2.74E-04	5.00E-04	2.75E-05	4.26E-05	8.20E-05	4.12E-06	4.14E-05	7.05E-05	5.23E-06	2.35E-05	3.89E-05	1.29E-06
3932	740781.35	4109960.04	2.58E-04	4.69E-04	2.58E-05	3.99E-05	7.70E-05	3.87E-06	3.88E-05	6.62E-05	4.91E-06	2.21E-05	3.65E-05	1.21E-06
3933	740773.64	4109916.36	2.42E-04	4.42E-04	2.42E-05	3.76E-05	7.24E-05	3.64E-06	3.65E-05	6.23E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
3934	740765.93	4109872.68	2.30E-04	4.20E-04	2.30E-05	3.57E-05	6.88E-05	3.46E-06	3.47E-05	5.92E-05	4.39E-06	1.97E-05	3.27E-05	1.08E-06
3935	740758.21	4109829.01	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.62E-05	3.33E-06	3.34E-05	5.70E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
3936	740750.5	4109785.33	2.16E-04	3.93E-04	2.16E-05	3.34E-05	6.44E-05	3.23E-06	3.25E-05	5.54E-05	4.11E-06	1.85E-05	3.06E-05	1.01E-06
3937	740759.38	4109745.33	2.15E-04	3.91E-04	2.15E-05	3.33E-05	6.42E-05	3.22E-06	3.24E-05	5.52E-05	4.09E-06	1.84E-05	3.05E-05	1.01E-06
3938	740784.84	4109709.01	2.17E-04	3.96E-04	2.17E-05	3.37E-05	6.49E-05	3.26E-06	3.28E-05	5.58E-05	4.14E-06	1.86E-05	3.08E-05	1.02E-06

3939	740810.3	4109672.69	2.16E-04	3.94E-04	2.17E-05	3.36E-05	6.47E-05	3.25E-06	3.26E-05	5.57E-05	4.13E-06	1.85E-05	3.07E-05	1.02E-06
3940	740835.76	4109636.38	2.12E-04	3.86E-04	2.12E-05	3.29E-05	6.33E-05	3.18E-06	3.20E-05	5.45E-05	4.04E-06	1.82E-05	3.01E-05	9.96E-07
3941	740861.22	4109600.06	2.04E-04	3.72E-04	2.04E-05	3.16E-05	6.10E-05	3.06E-06	3.08E-05	5.24E-05	3.89E-06	1.75E-05	2.89E-05	9.59E-07
3942	740886.68	4109563.74	1.93E-04	3.52E-04	1.93E-05	3.00E-05	5.77E-05	2.90E-06	2.91E-05	4.97E-05	3.68E-06	1.66E-05	2.74E-05	9.08E-07
3943	740912.14	4109527.42	1.81E-04	3.29E-04	1.81E-05	2.80E-05	5.40E-05	2.71E-06	2.72E-05	4.64E-05	3.44E-06	1.55E-05	2.56E-05	8.49E-07
3944	740937.6	4109491.11	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
3945	740963.07	4109454.79	1.53E-04	2.79E-04	1.53E-05	2.38E-05	4.58E-05	2.30E-06	2.31E-05	3.94E-05	2.92E-06	1.31E-05	2.17E-05	7.20E-07
3946	740988.53	4109418.47	1.40E-04	2.56E-04	1.40E-05	2.18E-05	4.19E-05	2.11E-06	2.12E-05	3.61E-05	2.67E-06	1.20E-05	1.99E-05	6.60E-07
3947	741013.99	4109382.15	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.87E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
3948	741039.45	4109345.84	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.61E-05	1.81E-06	1.82E-05	3.11E-05	2.30E-06	1.04E-05	1.71E-05	5.68E-07
3949	741064.91	4109309.52	1.15E-04	2.09E-04	1.15E-05	1.78E-05	3.42E-05	1.72E-06	1.73E-05	2.95E-05	2.18E-06	9.82E-06	1.62E-05	5.39E-07
3950	741090.37	4109273.2	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.66E-05	2.84E-05	2.10E-06	9.45E-06	1.56E-05	5.18E-07
3951	741115.83	4109236.88	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.21E-05	1.61E-06	1.62E-05	2.76E-05	2.05E-06	9.21E-06	1.52E-05	5.05E-07
3952	741141.29	4109200.56	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.08E-06	1.50E-05	4.98E-07
3953	741166.75	4109164.25	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.13E-05	1.57E-06	1.58E-05	2.70E-05	2.00E-06	8.99E-06	1.49E-05	4.93E-07
3954	741192.22	4109127.93	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.56E-05	2.67E-05	1.98E-06	8.89E-06	1.47E-05	4.87E-07
3955	740905.28	4110612.36	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.52E-05	3.27E-06	3.29E-05	5.61E-05	4.16E-06	1.87E-05	3.09E-05	1.03E-06
3956	740917.4	4110631.35	2.20E-04	4.01E-04	2.20E-05	3.41E-05	6.58E-05	3.30E-06	3.32E-05	5.66E-05	4.19E-06	1.89E-05	3.12E-05	1.03E-06
3957	740929.51	4110650.34	2.22E-04	4.04E-04	2.22E-05	3.44E-05	6.63E-05	3.33E-06	3.35E-05	5.71E-05	4.23E-06	1.90E-05	3.15E-05	1.04E-06
3958	740941.62	4110669.32	2.23E-04	4.07E-04	2.24E-05	3.47E-05	6.68E-05	3.35E-06	3.37E-05	5.74E-05	4.26E-06	1.91E-05	3.17E-05	1.05E-06
3959	740953.74	4110688.31	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
3960	740965.85	4110707.3	2.25E-04	4.10E-04	2.25E-05	3.49E-05	6.72E-05	3.38E-06	3.39E-05	5.78E-05	4.29E-06	1.93E-05	3.19E-05	1.06E-06
3961	740977.96	4110726.29	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.77E-05	4.28E-06	1.92E-05	3.18E-05	1.06E-06
3962	740990.08	4110745.27	2.23E-04	4.07E-04	2.23E-05	3.46E-05	6.67E-05	3.35E-06	3.37E-05	5.74E-05	4.26E-06	1.91E-05	3.17E-05	1.05E-06
3963	741002.19	4110764.26	2.21E-04	4.03E-04	2.21E-05	3.43E-05	6.60E-05	3.32E-06	3.33E-05	5.68E-05	4.21E-06	1.89E-05	3.13E-05	1.04E-06
3964	740720.71	4110679.14	1.72E-04	3.13E-04	1.72E-05	2.66E-05	5.13E-05	2.57E-06	2.59E-05	4.41E-05	3.27E-06	1.47E-05	2.43E-05	8.06E-07
3965	740713.02	4110635.55	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.15E-05	2.58E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.09E-07
3966	740705.32	4110591.96	1.73E-04	3.16E-04	1.74E-05	2.69E-05	5.18E-05	2.60E-06	2.62E-05	4.46E-05	3.31E-06	1.49E-05	2.46E-05	8.15E-07
3967	740697.62	4110548.37	1.75E-04	3.20E-04	1.76E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.49E-05	8.24E-07
3968	740689.93	4110504.78	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.36E-07
3969	740682.23	4110461.19	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.50E-07
3970	740674.53	4110417.6	1.85E-04	3.37E-04	1.85E-05	2.87E-05	5.53E-05	2.78E-06	2.79E-05	4.76E-05	3.53E-06	1.59E-05	2.63E-05	8.70E-07
3971	740666.84	4110374.01	1.92E-04	3.50E-04	1.92E-05	2.97E-05	5.73E-05	2.88E-06	2.89E-05	4.93E-05	3.66E-06	1.64E-05	2.72E-05	9.01E-07
3972	740659.14	4110330.42	2.02E-04	3.68E-04	2.02E-05	3.13E-05	6.03E-05	3.03E-06	3.04E-05	5.19E-05	3.85E-06	1.73E-05	2.86E-05	9.48E-07
3973	740651.45	4110286.83	2.15E-04	3.91E-04	2.15E-05	3.33E-05	6.41E-05	3.22E-06	3.24E-05	5.52E-05	4.09E-06	1.84E-05	3.04E-05	1.01E-06
3974	740643.75	4110243.25	2.28E-04	4.15E-04	2.28E-05	3.53E-05	6.81E-05	3.42E-06	3.44E-05	5.86E-05	4.34E-06	1.95E-05	3.23E-05	1.07E-06
3975	740636.05	4110199.66	2.39E-04	4.35E-04	2.39E-05	3.70E-05	7.13E-05	3.58E-06	3.60E-05	6.13E-05	4.55E-06	2.04E-05	3.38E-05	1.12E-06
3976	740628.36	4110156.07	2.44E-04	4.44E-04	2.44E-05	3.78E-05	7.28E-05	3.66E-06	3.68E-05	6.27E-05	4.64E-06	2.09E-05	3.46E-05	1.15E-06
3977	740620.66	4110112.48	2.43E-04	4.42E-04	2.43E-05	3.76E-05	7.25E-05	3.64E-06	3.66E-05	6.24E-05	4.62E-06	2.08E-05	3.44E-05	1.14E-06
3978	740612.96	4110068.89	2.35E-04	4.29E-04	2.36E-05	3.65E-05	7.03E-05	3.53E-06	3.55E-05	6.05E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
3979	740605.27	4110025.3	2.25E-04	4.09E-04	2.25E-05	3.48E-05	6.71E-05	3.37E-06	3.39E-05	5.78E-05	4.28E-06	1.92E-05	3.19E-05	1.06E-06
3980	740597.57	4109981.71	2.12E-04	3.87E-04	2.12E-05	3.29E-05	6.34E-05	3.18E-06	3.20E-05	5.45E-05	4.04E-06	1.82E-05	3.01E-05	9.97E-07
3981	740589.88	4109938.12	2.00E-04	3.64E-04	2.00E-05	3.10E-05	5.97E-05	3.00E-06	3.01E-05	5.14E-05	3.81E-06	1.71E-05	2.83E-05	9.39E-07
3982	740582.18	4109894.53	1.89E-04	3.45E-04	1.89E-05	2.93E-05	5.65E-05	2.84E-06	2.85E-05	4.86E-05	3.61E-06	1.62E-05	2.68E-05	8.89E-07
3983	740574.48	4109850.94	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.51E-07
3984	740566.79	4109807.35	1.76E-04	3.20E-04	1.76E-05	2.72E-05	5.25E-05	2.64E-06	2.65E-05	4.52E-05	3.35E-06	1.51E-05	2.49E-05	8.25E-07
3985	740559.09	4109763.76	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.59E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.09E-07
3986	740564.1	4109702.04	1.71E-04	3.12E-04	1.71E-05	2.65E-05	5.11E-05	2.57E-06	2.58E-05	4.40E-05	3.26E-06	1.47E-05	2.43E-05	8.04E-07
3987	740589.51	4109665.8	1.74E-04	3.16E-04	1.74E-05	2.69E-05	5.18E-05	2.60E-06	2.62E-05	4.46E-05	3.31E-06	1.49E-05	2.46E-05	8.16E-07
3988	740614.92	4109629.56	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
3989	740640.33	4109593.31	1.72E-04	3.13E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.59E-05	4.42E-05	3.28E-06	1.47E-05	2.44E-05	8.08E-07
3990	740665.74	4109557.07	1.67E-04	3.04E-04	1.67E-05	2.59E-05	4.99E-05	2.51E-06	2.52E-05	4.29E-05	3.18E-06	1.43E-05	2.37E-05	7.85E-07
3991	740691.15	4109520.82	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.77E-05	2.40E-06	2.41E-05	4.11E-05	3.05E-06	1.37E-05	2.27E-05	7.51E-07
3992	740716.56	4109484.58	1.51E-04	2.75E-04	1.51E-05	2.34E-05	4.51E-05	2.27E-06	2.28E-05	3.88E-05	2.88E-06	1.29E-05	2.14E-05	7.10E-07
3993	740741.97	4109448.33	1.41E-04	2.58E-04	1.42E-05	2.19E-05	4.23E-05	2.12E-06	2.13E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.65E-07
3994	740767.38	4109412.09	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.97E-06	1.98E-05	3.38E-05	2.51E-06	1.13E-05	1.87E-05	6.18E-07
3995	740792.79	4109375.85	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.73E-07
3996	740818.2	4109339.6	1.13E-04	2.05E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.66E-06	1.60E-05	5.30E-07
3997	740843.61	4109303.36	1.05E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
3998	740869.02	4109267.11	9.76E-05	1.78E-04	9.76E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.51E-05	1.86E-06	8.36E-06	1.38E-05	4.58E-07
3999	740894.43	4109230.87	9.20E-05	1.68E-04	9.21E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.75E-06	7.89E-06	1.30E-05	4.32E-07
4000	740919.84	4109194.62	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
4001	740945.24	4109158.38	8.51E-05	1.55E-04	8.52E-06	1.32E-05	2.54E-05	1.28E-06	1.28E-05	2.19E-05	1.62E-06	7.29E-06	1.21E-05	4.00E-07
4002	740970.65	4109122.14	8.35E-05	1.52E-04	8.36E-06	1.30E-05	2.50E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.93E-07
4003	740996.06	4109085.89	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4004	741021.47	4109049.65	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4005	741046.88	4109013.4	8.29E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.24E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4006	741072.29	4108977.16	8.26E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
4007	741097.7	4108940.91	8.14E-05	1.48E-04	8.14E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.97E-06	1.15E-05	3.82E-07
4008	740736.67	4110719.93	1.73E-04	3.15E-04	1.73E-05	2.68E-05	5.16E-05	2.59E-06	2.60E-05	4.44E-05	3.29E-06	1.48E-05	2.45E-05	8.12E-07
4009	740748.79	4110738.91	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.63E-05	4.48E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
4010	740760.9	4110757.9	1.75E-04	3.19E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.49E-05	8.24E-07
4011	740773.01	4110776.89	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.27E-05	2.65E-06	2.66E-05	4.53E-05	3.36E-06	1.51E-05	2.50E-05	8.29E-07

4012	740785.13	4110795.88	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.29E-05	2.66E-06	2.67E-05	4.55E-05	3.38E-06	1.52E-05	2.51E-05	8.32E-07
4013	740809.35	4110833.85	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.35E-07
4014	740821.47	4110852.84	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.29E-05	2.66E-06	2.67E-05	4.56E-05	3.38E-06	1.52E-05	2.51E-05	8.33E-07
4015	740833.58	4110871.83	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.26E-05	2.64E-06	2.66E-05	4.53E-05	3.36E-06	1.51E-05	2.50E-05	8.28E-07
4016	740552.11	4110786.74	1.41E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.62E-05	2.68E-06	1.21E-05	1.99E-05	6.61E-07
4017	740544.42	4110743.22	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.21E-05	2.12E-06	2.13E-05	3.62E-05	2.69E-06	1.21E-05	2.00E-05	6.62E-07
4018	740536.74	4110699.69	1.42E-04	2.58E-04	1.42E-05	2.19E-05	4.23E-05	2.12E-06	2.13E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.65E-07
4019	740529.05	4110656.17	1.43E-04	2.60E-04	1.43E-05	2.21E-05	4.26E-05	2.14E-06	2.15E-05	3.67E-05	2.72E-06	1.22E-05	2.02E-05	6.70E-07
4020	740521.37	4110612.64	1.44E-04	2.63E-04	1.44E-05	2.24E-05	4.31E-05	2.16E-06	2.17E-05	3.71E-05	2.75E-06	1.24E-05	2.04E-05	6.77E-07
4021	740513.68	4110569.11	1.46E-04	2.66E-04	1.46E-05	2.26E-05	4.36E-05	2.19E-06	2.20E-05	3.75E-05	2.78E-06	1.25E-05	2.07E-05	6.86E-07
4022	740506	4110525.59	1.48E-04	2.70E-04	1.48E-05	2.30E-05	4.42E-05	2.22E-06	2.23E-05	3.81E-05	2.82E-06	1.27E-05	2.10E-05	6.96E-07
4023	740498.31	4110482.06	1.51E-04	2.75E-04	1.51E-05	2.34E-05	4.50E-05	2.26E-06	2.27E-05	3.87E-05	2.87E-06	1.29E-05	2.14E-05	7.08E-07
4024	740490.63	4110438.54	1.55E-04	2.82E-04	1.55E-05	2.40E-05	4.62E-05	2.32E-06	2.33E-05	3.98E-05	2.95E-06	1.33E-05	2.19E-05	7.27E-07
4025	740482.94	4110395.01	1.61E-04	2.93E-04	1.61E-05	2.50E-05	4.81E-05	2.42E-06	2.43E-05	4.14E-05	3.07E-06	1.38E-05	2.28E-05	7.56E-07
4026	740475.26	4110351.49	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.41E-05	7.98E-07
4027	740467.57	4110307.96	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.38E-05	2.70E-06	2.72E-05	4.63E-05	3.43E-06	1.54E-05	2.55E-05	8.47E-07
4028	740459.89	4110264.44	1.90E-04	3.47E-04	1.91E-05	2.95E-05	5.69E-05	2.86E-06	2.87E-05	4.90E-05	3.63E-06	1.63E-05	2.70E-05	8.95E-07
4029	740452.2	4110220.91	1.98E-04	3.61E-04	1.98E-05	3.08E-05	5.93E-05	2.98E-06	2.99E-05	5.10E-05	3.78E-06	1.70E-05	2.81E-05	9.32E-07
4030	740444.52	4110177.39	2.02E-04	3.68E-04	2.02E-05	3.14E-05	6.04E-05	3.03E-06	3.05E-05	5.20E-05	3.85E-06	1.73E-05	2.87E-05	9.50E-07
4031	740436.83	4110133.86	2.01E-04	3.67E-04	2.02E-05	3.12E-05	6.02E-05	3.02E-06	3.04E-05	5.18E-05	3.84E-06	1.73E-05	2.86E-05	9.47E-07
4032	740429.15	4110090.34	1.97E-04	3.58E-04	1.97E-05	3.05E-05	5.87E-05	2.95E-06	2.96E-05	5.05E-05	3.75E-06	1.68E-05	2.79E-05	9.24E-07
4033	740421.46	4110046.81	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
4034	740413.78	4110003.29	1.79E-04	3.27E-04	1.80E-05	2.78E-05	5.36E-05	2.69E-06	2.71E-05	4.61E-05	3.42E-06	1.54E-05	2.54E-05	8.43E-07
4035	740406.09	4109959.76	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.41E-05	7.98E-07
4036	740398.41	4109916.23	1.61E-04	2.93E-04	1.61E-05	2.49E-05	4.80E-05	2.41E-06	2.42E-05	4.13E-05	3.06E-06	1.38E-05	2.28E-05	7.55E-07
4037	740390.72	4109872.71	1.53E-04	2.79E-04	1.53E-05	2.37E-05	4.57E-05	2.30E-06	2.31E-05	3.93E-05	2.92E-06	1.31E-05	2.17E-05	7.19E-07
4038	740383.04	4109829.18	1.47E-04	2.68E-04	1.47E-05	2.28E-05	4.40E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.92E-07
4039	740375.35	4109785.66	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.69E-05	2.73E-06	1.23E-05	2.03E-05	6.74E-07
4040	740367.67	4109742.13	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.21E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.63E-07
4041	740359.99	4109698.61	1.40E-04	2.54E-04	1.40E-05	2.17E-05	4.17E-05	2.10E-06	2.11E-05	3.59E-05	2.66E-06	1.20E-05	1.98E-05	6.56E-07
4042	740368.83	4109658.75	1.41E-04	2.56E-04	1.41E-05	2.18E-05	4.20E-05	2.11E-06	2.12E-05	3.61E-05	2.68E-06	1.20E-05	1.99E-05	6.61E-07
4043	740394.2	4109622.56	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.72E-06	1.23E-05	2.03E-05	6.72E-07
4044	740419.57	4109586.37	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.30E-05	2.16E-06	2.17E-05	3.70E-05	2.74E-06	1.23E-05	2.04E-05	6.77E-07
4045	740444.95	4109550.18	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.72E-07
4046	740470.32	4109513.99	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.60E-05	2.67E-06	1.20E-05	1.99E-05	6.58E-07
4047	740495.69	4109477.8	1.35E-04	2.46E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.47E-05	2.57E-06	1.16E-05	1.92E-05	6.35E-07
4048	740521.06	4109441.61	1.29E-04	2.35E-04	1.29E-05	2.00E-05	3.85E-05	1.93E-06	1.94E-05	3.31E-05	2.45E-06	1.10E-05	1.83E-05	6.05E-07
4049	740546.43	4109405.41	1.22E-04	2.21E-04	1.22E-05	1.88E-05	3.63E-05	1.82E-06	1.83E-05	3.12E-05	2.32E-06	1.04E-05	1.72E-05	5.71E-07
4050	740571.81	4109369.22	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.94E-05	2.18E-06	9.78E-06	1.62E-05	5.37E-07
4051	740597.18	4109333.03	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.19E-05	1.60E-06	1.61E-05	2.75E-05	2.04E-06	9.15E-06	1.51E-05	5.02E-07
4052	740622.55	4109296.84	9.99E-05	1.82E-04	9.99E-06	1.55E-05	2.98E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.69E-07
4053	740647.92	4109260.65	9.32E-05	1.70E-04	9.33E-06	1.45E-05	2.79E-05	1.40E-06	1.41E-05	2.40E-05	1.78E-06	7.99E-06	1.32E-05	4.38E-07
4054	740673.29	4109224.46	8.71E-05	1.59E-04	8.71E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.46E-06	1.23E-05	4.09E-07
4055	740698.67	4109188.27	8.15E-05	1.49E-04	8.15E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.98E-06	1.16E-05	3.83E-07
4056	740724.04	4109152.08	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
4057	740749.41	4109115.89	7.28E-05	1.33E-04	7.28E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.24E-06	1.03E-05	3.42E-07
4058	740774.78	4109079.7	6.99E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.99E-06	9.91E-06	3.28E-07
4059	740800.15	4109043.51	6.80E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
4060	740825.53	4109007.32	6.71E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.75E-06	9.51E-06	3.15E-07
4061	740850.9	4108971.13	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
4062	740876.27	4108934.93	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.77E-06	9.54E-06	3.16E-07
4063	740901.64	4108898.74	6.78E-05	1.23E-04	6.78E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.61E-06	3.18E-07
4064	740927.02	4108862.55	6.80E-05	1.24E-04	6.81E-06	1.06E-05	2.03E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.83E-06	9.65E-06	3.20E-07
4065	740952.39	4108826.36	6.78E-05	1.24E-04	6.79E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.81E-06	9.62E-06	3.19E-07
4066	740977.76	4108790.17	6.70E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
4067	740568.06	4110827.49	1.41E-04	2.58E-04	1.42E-05	2.19E-05	4.23E-05	2.12E-06	2.13E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.65E-07
4068	740580.18	4110846.48	1.42E-04	2.60E-04	1.42E-05	2.21E-05	4.25E-05	2.14E-06	2.15E-05	3.66E-05	2.71E-06	1.22E-05	2.02E-05	6.69E-07
4069	740592.29	4110865.47	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.73E-07
4070	740604.4	4110884.46	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.30E-05	2.16E-06	2.17E-05	3.70E-05	2.74E-06	1.23E-05	2.04E-05	6.77E-07
4071	740616.52	4110903.44	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
4072	740628.63	4110922.43	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.81E-07
4073	740640.74	4110941.42	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.73E-05	2.77E-06	1.24E-05	2.06E-05	6.82E-07
4074	740652.86	4110960.41	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.18E-06	2.19E-05	3.73E-05	2.76E-06	1.24E-05	2.06E-05	6.81E-07
4075	740664.97	4110979.39	1.44E-04	2.63E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.71E-05	2.75E-06	1.24E-05	2.05E-05	6.79E-07
4076	740214.83	4111001.58	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.67E-06	1.43E-05	4.76E-07
4077	740207.05	4110957.48	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.77E-07
4078	740199.26	4110913.37	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.94E-06	8.70E-06	1.44E-05	4.77E-07
4079	740191.47	4110869.27	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
4080	740183.69	4110825.16	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.06E-05	1.54E-06	1.54E-05	2.63E-05	1.95E-06	8.77E-06	1.45E-05	4.81E-07
4081	740179.79	4110803.11	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.07E-05	1.54E-06	1.55E-05	2.64E-05	1.96E-06	8.80E-06	1.46E-05	4.83E-07
4082	740172	4110759	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.56E-05	2.66E-05	1.98E-06	8.88E-06	1.47E-05	4.87E-07
4083	740164.22	4110714.9	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.13E-05	1.57E-06	1.58E-05	2.69E-05	2.00E-06	8.98E-06	1.49E-05	4.93E-07
4084	740160.32	4110692.84	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.15E-05	1.58E-06	1.59E-05	2.71E-05	2.01E-06	9.03E-06	1.49E-05	4.95E-07

4085	740152.54	4110648.74	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
4086	740144.75	4110604.63	1.08E-04	1.96E-04	1.08E-05	1.67E-05	3.22E-05	1.62E-06	1.63E-05	2.77E-05	2.05E-06	9.23E-06	1.53E-05	5.06E-07
4087	740140.85	4110582.58	1.09E-04	1.98E-04	1.09E-05	1.68E-05	3.24E-05	1.63E-06	1.64E-05	2.79E-05	2.07E-06	9.30E-06	1.54E-05	5.10E-07
4088	740133.07	4110538.47	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.31E-05	1.66E-06	1.67E-05	2.84E-05	2.11E-06	9.48E-06	1.57E-05	5.20E-07
4089	740125.28	4110494.37	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.93E-05	2.17E-06	9.78E-06	1.62E-05	5.36E-07
4090	740117.49	4110450.26	1.19E-04	2.17E-04	1.19E-05	1.85E-05	3.56E-05	1.79E-06	1.80E-05	3.06E-05	2.27E-06	1.02E-05	1.69E-05	5.60E-07
4091	740109.71	4110406.16	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.23E-05	2.40E-06	1.08E-05	1.78E-05	5.91E-07
4092	740105.81	4110384.1	1.29E-04	2.36E-04	1.29E-05	2.00E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.07E-07
4093	740098.02	4110340	1.36E-04	2.48E-04	1.36E-05	2.11E-05	4.07E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.93E-05	6.41E-07
4094	740090.24	4110295.89	1.42E-04	2.60E-04	1.43E-05	2.21E-05	4.26E-05	2.14E-06	2.15E-05	3.66E-05	2.71E-06	1.22E-05	2.02E-05	6.69E-07
4095	740086.34	4110273.84	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
4096	740078.56	4110229.73	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.22E-06	2.23E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.94E-07
4097	740070.77	4110185.63	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.22E-06	2.23E-05	3.80E-05	2.81E-06	1.27E-05	2.09E-05	6.94E-07
4098	740066.87	4110163.58	1.47E-04	2.67E-04	1.47E-05	2.28E-05	4.39E-05	2.20E-06	2.21E-05	3.77E-05	2.80E-06	1.26E-05	2.08E-05	6.90E-07
4099	740059.09	4110119.47	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.69E-05	2.73E-06	1.23E-05	2.03E-05	6.74E-07
4100	740051.3	4110075.36	1.38E-04	2.52E-04	1.39E-05	2.15E-05	4.14E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.51E-07
4101	740043.51	4110031.26	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.96E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.23E-07
4102	740035.73	4109987.15	1.27E-04	2.31E-04	1.27E-05	1.96E-05	3.78E-05	1.90E-06	1.91E-05	3.25E-05	2.41E-06	1.08E-05	1.79E-05	5.94E-07
4103	740031.83	4109965.1	1.23E-04	2.25E-04	1.23E-05	1.91E-05	3.69E-05	1.85E-06	1.86E-05	3.17E-05	2.35E-06	1.06E-05	1.75E-05	5.80E-07
4104	740024.04	4109920.99	1.17E-04	2.14E-04	1.18E-05	1.82E-05	3.51E-05	1.76E-06	1.77E-05	3.02E-05	2.24E-06	1.01E-05	1.67E-05	5.52E-07
4105	740016.26	4109876.89	1.12E-04	2.04E-04	1.12E-05	1.74E-05	3.35E-05	1.68E-06	1.69E-05	2.88E-05	2.14E-06	9.61E-06	1.59E-05	5.27E-07
4106	740012.36	4109854.84	1.10E-04	2.00E-04	1.10E-05	1.70E-05	3.28E-05	1.65E-06	1.66E-05	2.82E-05	2.09E-06	9.41E-06	1.56E-05	5.16E-07
4107	740004.58	4109810.73	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.07E-06	1.50E-05	4.97E-07
4108	739996.79	4109766.62	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.55E-05	2.65E-05	1.96E-06	8.83E-06	1.46E-05	4.84E-07
4109	739989	4109722.52	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.68E-06	1.44E-05	4.76E-07
4110	739981.21	4109678.41	1.01E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.52E-05	2.58E-05	1.92E-06	8.61E-06	1.43E-05	4.72E-07
4111	739977.32	4109656.36	1.00E-04	1.83E-04	1.00E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.60E-06	1.42E-05	4.72E-07
4112	739969.53	4109612.25	1.00E-04	1.83E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.58E-05	1.91E-06	8.58E-06	1.42E-05	4.71E-07
4113	739978.49	4109571.86	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.60E-05	1.93E-06	8.68E-06	1.44E-05	4.76E-07
4114	740004.2	4109535.19	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
4115	740017.06	4109516.85	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4116	740042.77	4109480.18	1.04E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.95E-06	1.48E-05	4.91E-07
4117	740055.63	4109461.84	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
4118	740081.34	4109425.17	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
4119	740094.19	4109406.83	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
4120	740119.9	4109370.16	9.91E-05	1.81E-04	9.92E-06	1.54E-05	2.96E-05	1.49E-06	1.49E-05	2.55E-05	1.89E-06	8.49E-06	1.41E-05	4.66E-07
4121	740132.76	4109351.82	9.73E-05	1.77E-04	9.73E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.50E-05	1.85E-06	8.33E-06	1.38E-05	4.57E-07
4122	740158.47	4109315.15	9.30E-05	1.69E-04	9.30E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.97E-06	1.32E-05	4.37E-07
4123	740171.32	4109296.81	9.07E-05	1.65E-04	9.07E-06	1.41E-05	2.71E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.77E-06	1.29E-05	4.26E-07
4124	740197.03	4109260.14	8.59E-05	1.57E-04	8.59E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.04E-07
4125	740209.89	4109241.8	8.35E-05	1.52E-04	8.35E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.15E-05	1.59E-06	7.16E-06	1.18E-05	3.92E-07
4126	740235.6	4109205.13	7.89E-05	1.44E-04	7.90E-06	1.22E-05	2.36E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.76E-06	1.12E-05	3.71E-07
4127	740248.45	4109186.79	7.67E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.61E-07
4128	740274.16	4109150.12	7.26E-05	1.32E-04	7.26E-06	1.13E-05	2.17E-05	1.09E-06	1.09E-05	1.87E-05	1.38E-06	6.22E-06	1.03E-05	3.41E-07
4129	740299.87	4109113.45	6.87E-05	1.25E-04	6.88E-06	1.07E-05	2.05E-05	1.03E-06	1.04E-05	1.77E-05	1.31E-06	5.89E-06	9.74E-06	3.23E-07
4130	740312.73	4109095.11	6.69E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
4131	740338.44	4109058.44	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.50E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4132	740351.3	4109040.1	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.73E-06	2.89E-07
4133	740377.01	4109003.43	5.82E-05	1.06E-04	5.82E-06	9.02E-06	1.74E-05	8.73E-07	8.77E-06	1.50E-05	1.11E-06	4.99E-06	8.25E-06	2.73E-07
4134	740389.86	4108985.09	5.66E-05	1.03E-04	5.66E-06	8.77E-06	1.69E-05	8.49E-07	8.53E-06	1.45E-05	1.08E-06	4.85E-06	8.02E-06	2.66E-07
4135	740415.57	4108948.42	5.35E-05	9.75E-05	5.36E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.59E-06	7.59E-06	2.52E-07
4136	740428.43	4108930.08	5.21E-05	9.50E-05	5.22E-06	8.09E-06	1.56E-05	7.83E-07	7.86E-06	1.34E-05	9.94E-07	4.47E-06	7.39E-06	2.45E-07
4137	740454.14	4108893.41	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
4138	740466.99	4108875.07	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
4139	740492.7	4108838.4	4.74E-05	8.64E-05	4.75E-06	7.36E-06	1.42E-05	7.12E-07	7.15E-06	1.22E-05	9.04E-07	4.06E-06	6.72E-06	2.23E-07
4140	740505.56	4108820.06	4.70E-05	8.56E-05	4.70E-06	7.29E-06	1.40E-05	7.05E-07	7.09E-06	1.21E-05	8.95E-07	4.03E-06	6.66E-06	2.21E-07
4141	740531.27	4108783.39	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
4142	740544.12	4108765.05	4.66E-05	8.48E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.87E-07	3.99E-06	6.60E-06	2.19E-07
4143	740569.83	4108728.38	4.69E-05	8.54E-05	4.69E-06	7.27E-06	1.40E-05	7.03E-07	7.07E-06	1.20E-05	8.93E-07	4.01E-06	6.64E-06	2.20E-07
4144	740582.69	4108710.04	4.71E-05	8.58E-05	4.71E-06	7.31E-06	1.41E-05	7.07E-07	7.10E-06	1.21E-05	8.98E-07	4.04E-06	6.68E-06	2.21E-07
4145	740608.4	4108673.37	4.77E-05	8.70E-05	4.78E-06	7.40E-06	1.43E-05	7.16E-07	7.20E-06	1.23E-05	9.10E-07	4.09E-06	6.77E-06	2.24E-07
4146	740634.11	4108636.7	4.83E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.26E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.85E-06	2.27E-07
4147	740646.97	4108618.36	4.86E-05	8.86E-05	4.86E-06	7.54E-06	1.45E-05	7.30E-07	7.33E-06	1.25E-05	9.27E-07	4.17E-06	6.89E-06	2.28E-07
4148	740672.68	4108581.69	4.90E-05	8.92E-05	4.90E-06	7.59E-06	1.46E-05	7.35E-07	7.38E-06	1.26E-05	9.33E-07	4.19E-06	6.94E-06	2.30E-07
4149	740685.53	4108563.35	4.90E-05	8.93E-05	4.90E-06	7.60E-06	1.46E-05	7.35E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
4150	740711.24	4108526.68	4.88E-05	8.90E-05	4.89E-06	7.57E-06	1.46E-05	7.33E-07	7.36E-06	1.26E-05	9.31E-07	4.18E-06	6.92E-06	2.29E-07
4151	740724.1	4108508.34	4.86E-05	8.86E-05	4.86E-06	7.54E-06	1.45E-05	7.29E-07	7.33E-06	1.25E-05	9.26E-07	4.16E-06	6.89E-06	2.28E-07
4152	740749.81	4108471.67	4.78E-05	8.72E-05	4.79E-06	7.42E-06	1.43E-05	7.18E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
4153	740762.66	4108453.33	4.73E-05	8.62E-05	4.73E-06	7.34E-06	1.41E-05	7.10E-07	7.14E-06	1.22E-05	9.02E-07	4.05E-06	6.71E-06	2.22E-07
4154	740788.37	4108416.66	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
4155	740218.73	4111023.64	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
4156	740242.95	4111061.61	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.75E-06	1.45E-05	4.80E-07
4157	740255.07	4111080.6	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.06E-05	1.54E-06	1.55E-05	2.64E-05	1.95E-06	8.79E-06	1.45E-05	4.82E-07

4158	740267.18	4111099.59	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.55E-05	2.65E-05	1.96E-06	8.82E-06	1.46E-05	4.84E-07
4159	740279.29	4111118.58	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
4160	740291.41	4111137.56	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.56E-05	2.66E-05	1.98E-06	8.88E-06	1.47E-05	4.87E-07
4161	740303.52	4111156.55	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4162	740315.63	4111175.54	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4163	740327.75	4111194.53	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4164	739877.63	4111216.8	7.75E-05	1.41E-04	7.75E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.64E-06	1.10E-05	3.64E-07
4165	739869.87	4111172.87	7.77E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
4166	739862.12	4111128.94	7.79E-05	1.42E-04	7.79E-06	1.21E-05	2.33E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.67E-06	1.10E-05	3.66E-07
4167	739854.36	4111085.02	7.79E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.66E-07
4168	739846.6	4111041.09	7.80E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
4169	739838.85	4110997.16	7.83E-05	1.43E-04	7.83E-06	1.21E-05	2.34E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.71E-06	1.11E-05	3.68E-07
4170	739831.09	4110953.23	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
4171	739823.34	4110909.3	7.93E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.12E-05	3.73E-07
4172	739815.58	4110865.37	8.01E-05	1.46E-04	8.02E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
4173	739807.82	4110821.44	8.10E-05	1.48E-04	8.10E-06	1.26E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.94E-06	1.15E-05	3.80E-07
4174	739800.07	4110777.51	8.17E-05	1.49E-04	8.17E-06	1.27E-05	2.44E-05	1.23E-06	1.23E-05	2.10E-05	1.56E-06	7.00E-06	1.16E-05	3.84E-07
4175	739792.31	4110733.58	8.23E-05	1.50E-04	8.23E-06	1.28E-05	2.46E-05	1.23E-06	1.24E-05	2.12E-05	1.57E-06	7.05E-06	1.17E-05	3.87E-07
4176	739784.55	4110689.65	8.30E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.25E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
4177	739776.8	4110645.72	8.41E-05	1.53E-04	8.42E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
4178	739769.04	4110601.79	8.60E-05	1.57E-04	8.61E-06	1.33E-05	2.57E-05	1.29E-06	1.30E-05	2.21E-05	1.64E-06	7.37E-06	1.22E-05	4.04E-07
4179	739761.29	4110557.86	8.89E-05	1.62E-04	8.90E-06	1.38E-05	2.66E-05	1.33E-06	1.34E-05	2.29E-05	1.69E-06	7.62E-06	1.26E-05	4.18E-07
4180	739753.53	4110513.93	9.28E-05	1.69E-04	9.28E-06	1.44E-05	2.77E-05	1.39E-06	1.40E-05	2.39E-05	1.77E-06	7.95E-06	1.32E-05	4.36E-07
4181	739745.77	4110470	9.74E-05	1.78E-04	9.75E-06	1.51E-05	2.91E-05	1.46E-06	1.47E-05	2.50E-05	1.86E-06	8.35E-06	1.38E-05	4.58E-07
4182	739738.02	4110426.07	1.02E-04	1.87E-04	1.03E-05	1.59E-05	3.06E-05	1.54E-06	1.55E-05	2.63E-05	1.95E-06	8.78E-06	1.45E-05	4.82E-07
4183	739730.26	4110382.14	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.76E-05	2.04E-06	9.19E-06	1.52E-05	5.04E-07
4184	739722.5	4110338.22	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.67E-05	2.85E-05	2.12E-06	9.52E-06	1.57E-05	5.22E-07
4185	739714.75	4110294.29	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.92E-05	2.16E-06	9.73E-06	1.61E-05	5.34E-07
4186	739706.99	4110250.36	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.42E-05	1.72E-06	1.72E-05	2.94E-05	2.18E-06	9.80E-06	1.62E-05	5.38E-07
4187	739699.24	4110206.43	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.39E-05	1.70E-06	1.71E-05	2.92E-05	2.16E-06	9.73E-06	1.61E-05	5.34E-07
4188	739691.48	4110162.5	1.11E-04	2.03E-04	1.11E-05	1.73E-05	3.33E-05	1.67E-06	1.68E-05	2.86E-05	2.12E-06	9.54E-06	1.58E-05	5.23E-07
4189	739683.72	4110118.57	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.27E-06	1.53E-05	5.09E-07
4190	739675.97	4110074.64	1.04E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.95E-06	1.48E-05	4.91E-07
4191	739668.21	4110030.71	1.00E-04	1.83E-04	1.01E-05	1.56E-05	3.00E-05	1.51E-06	1.51E-05	2.58E-05	1.91E-06	8.61E-06	1.42E-05	4.72E-07
4192	739660.45	4109986.78	9.63E-05	1.75E-04	9.63E-06	1.49E-05	2.88E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.25E-06	1.37E-05	4.52E-07
4193	739652.7	4109942.85	9.22E-05	1.68E-04	9.23E-06	1.43E-05	2.76E-05	1.38E-06	1.39E-05	2.37E-05	1.76E-06	7.90E-06	1.31E-05	4.33E-07
4194	739644.94	4109898.92	8.84E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
4195	739637.19	4109854.99	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
4196	739629.43	4109811.06	8.19E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
4197	739621.67	4109767.13	7.95E-05	1.45E-04	7.95E-06	1.23E-05	2.38E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.81E-06	1.13E-05	3.74E-07
4198	739613.92	4109723.2	7.78E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
4199	739606.16	4109679.27	7.66E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.56E-06	1.09E-05	3.60E-07
4200	739598.4	4109635.35	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
4201	739590.65	4109591.42	7.60E-05	1.39E-04	7.60E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.95E-05	1.45E-06	6.51E-06	1.08E-05	3.57E-07
4202	739582.89	4109547.49	7.62E-05	1.39E-04	7.62E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.53E-06	1.08E-05	3.58E-07
4203	739587.94	4109485.29	7.73E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.16E-05	1.99E-05	1.47E-06	6.62E-06	1.10E-05	3.63E-07
4204	739613.55	4109448.77	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
4205	739639.16	4109412.24	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
4206	739664.76	4109375.71	8.01E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.86E-06	1.14E-05	3.76E-07
4207	739690.37	4109339.19	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
4208	739715.98	4109302.66	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.70E-07
4209	739741.59	4109266.13	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
4210	739754.39	4109247.87	7.56E-05	1.38E-04	7.57E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.94E-05	1.44E-06	6.48E-06	1.07E-05	3.55E-07
4211	739780	4109211.34	7.29E-05	1.33E-04	7.29E-06	1.13E-05	2.18E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.25E-06	1.03E-05	3.43E-07
4212	739805.6	4109174.82	6.98E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.98E-06	9.89E-06	3.28E-07
4213	739831.21	4109138.29	6.65E-05	1.21E-04	6.65E-06	1.03E-05	1.99E-05	9.98E-07	1.00E-05	1.71E-05	1.27E-06	5.70E-06	9.43E-06	3.13E-07
4214	739856.82	4109101.76	6.32E-05	1.15E-04	6.32E-06	9.80E-06	1.89E-05	9.49E-07	9.53E-06	1.62E-05	1.20E-06	5.42E-06	8.96E-06	2.97E-07
4215	739882.43	4109065.24	6.01E-05	1.10E-04	6.01E-06	9.32E-06	1.80E-05	9.02E-07	9.06E-06	1.54E-05	1.15E-06	5.15E-06	8.52E-06	2.82E-07
4216	739908.04	4109028.71	5.72E-05	1.04E-04	5.73E-06	8.88E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
4217	739933.64	4108992.18	5.46E-05	9.96E-05	5.47E-06	8.47E-06	1.63E-05	8.20E-07	8.24E-06	1.40E-05	1.04E-06	4.68E-06	7.75E-06	2.57E-07
4218	739959.25	4108955.66	5.23E-05	9.53E-05	5.23E-06	8.11E-06	1.56E-05	7.85E-07	7.89E-06	1.34E-05	9.97E-07	4.48E-06	7.42E-06	2.46E-07
4219	739984.86	4108919.13	5.01E-05	9.13E-05	5.01E-06	7.77E-06	1.50E-05	7.52E-07	7.56E-06	1.29E-05	9.55E-07	4.29E-06	7.11E-06	2.36E-07
4220	739997.66	4108900.87	4.91E-05	8.94E-05	4.91E-06	7.61E-06	1.47E-05	7.36E-07	7.40E-06	1.26E-05	9.35E-07	4.20E-06	6.96E-06	2.31E-07
4221	740023.27	4108864.34	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.02E-06	6.66E-06	2.21E-07
4222	740048.88	4108827.81	4.48E-05	8.17E-05	4.49E-06	6.95E-06	1.34E-05	6.73E-07	6.76E-06	1.15E-05	8.54E-07	3.84E-06	6.36E-06	2.11E-07
4223	740074.49	4108791.29	4.27E-05	7.78E-05	4.27E-06	6.62E-06	1.28E-05	6.41E-07	6.44E-06	1.10E-05	8.13E-07	3.66E-06	6.05E-06	2.01E-07
4224	740100.09	4108754.76	4.06E-05	7.40E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.74E-07	3.48E-06	5.76E-06	1.91E-07
4225	740125.7	4108718.23	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.80E-07	5.83E-06	9.94E-06	7.37E-07	3.31E-06	5.48E-06	1.82E-07
4226	740151.31	4108681.71	3.70E-05	6.75E-05	3.70E-06	5.74E-06	1.11E-05	5.56E-07	5.58E-06	9.52E-06	7.05E-07	3.17E-06	5.25E-06	1.74E-07
4227	740176.92	4108645.18	3.58E-05	6.52E-05	3.58E-06	5.55E-06	1.07E-05	5.37E-07	5.40E-06	9.20E-06	6.82E-07	3.07E-06	5.07E-06	1.68E-07
4228	740202.52	4108608.65	3.50E-05	6.37E-05	3.50E-06	5.42E-06	1.05E-05	5.25E-07	5.27E-06	8.99E-06	6.67E-07	3.00E-06	4.96E-06	1.64E-07
4229	740228.13	4108572.13	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.20E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
4230	740240.93	4108553.86	3.46E-05	6.30E-05	3.46E-06	5.36E-06	1.03E-05	5.19E-07	5.22E-06	8.89E-06	6.59E-07	2.96E-06	4.90E-06	1.63E-07

4231	740266.54	4108517.34	3.48E-05	6.34E-05	3.48E-06	5.39E-06	1.04E-05	5.22E-07	5.24E-06	8.94E-06	6.63E-07	2.98E-06	4.93E-06	1.63E-07
4232	740292.15	4108480.81	3.52E-05	6.41E-05	3.52E-06	5.46E-06	1.05E-05	5.28E-07	5.31E-06	9.05E-06	6.71E-07	3.02E-06	4.99E-06	1.65E-07
4233	740317.76	4108444.28	3.57E-05	6.51E-05	3.58E-06	5.54E-06	1.07E-05	5.36E-07	5.39E-06	9.19E-06	6.81E-07	3.06E-06	5.07E-06	1.68E-07
4234	740343.37	4108407.76	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
4235	740368.97	4108371.23	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.53E-07	5.55E-06	9.46E-06	7.02E-07	3.15E-06	5.22E-06	1.73E-07
4236	740394.58	4108334.7	3.72E-05	6.77E-05	3.72E-06	5.76E-06	1.11E-05	5.58E-07	5.61E-06	9.56E-06	7.08E-07	3.19E-06	5.27E-06	1.75E-07
4237	740420.19	4108298.18	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.12E-07	3.20E-06	5.30E-06	1.76E-07
4238	740445.8	4108261.65	3.74E-05	6.81E-05	3.74E-06	5.80E-06	1.12E-05	5.61E-07	5.64E-06	9.61E-06	7.12E-07	3.20E-06	5.30E-06	1.76E-07
4239	740471.4	4108225.12	3.72E-05	6.77E-05	3.72E-06	5.76E-06	1.11E-05	5.58E-07	5.60E-06	9.55E-06	7.08E-07	3.18E-06	5.27E-06	1.75E-07
4240	740497.01	4108188.6	3.68E-05	6.70E-05	3.68E-06	5.70E-06	1.10E-05	5.52E-07	5.54E-06	9.45E-06	7.00E-07	3.15E-06	5.21E-06	1.73E-07
4241	740522.62	4108152.07	3.61E-05	6.58E-05	3.62E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.89E-07	3.10E-06	5.12E-06	1.70E-07
4242	740548.23	4108115.54	3.53E-05	6.44E-05	3.53E-06	5.48E-06	1.06E-05	5.30E-07	5.33E-06	9.08E-06	6.73E-07	3.03E-06	5.01E-06	1.66E-07
4243	739893.62	4111257.76	7.77E-05	1.42E-04	7.77E-06	1.20E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
4244	739905.73	4111276.74	7.80E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.66E-07
4245	739917.85	4111295.73	7.82E-05	1.43E-04	7.83E-06	1.21E-05	2.34E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.68E-07
4246	739929.96	4111314.72	7.85E-05	1.43E-04	7.86E-06	1.22E-05	2.35E-05	1.18E-06	1.18E-05	2.02E-05	1.50E-06	6.73E-06	1.11E-05	3.69E-07
4247	739942.07	4111333.71	7.88E-05	1.44E-04	7.88E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.03E-05	1.50E-06	6.75E-06	1.12E-05	3.70E-07
4248	739954.19	4111352.69	7.90E-05	1.44E-04	7.91E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.77E-06	1.12E-05	3.71E-07
4249	739966.3	4111371.68	7.92E-05	1.44E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.19E-05	2.04E-05	1.51E-06	6.79E-06	1.12E-05	3.72E-07
4250	739978.41	4111390.67	7.93E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.12E-05	3.73E-07
4251	739990.53	4111409.66	7.93E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
4252	739540.38	4111431.76	6.19E-05	1.13E-04	6.20E-06	9.61E-06	1.85E-05	9.30E-07	9.34E-06	1.59E-05	1.18E-06	5.31E-06	8.78E-06	2.91E-07
4253	739536.47	4111409.62	6.21E-05	1.13E-04	6.21E-06	9.62E-06	1.85E-05	9.31E-07	9.36E-06	1.60E-05	1.18E-06	5.32E-06	8.80E-06	2.92E-07
4254	739528.65	4111365.34	6.23E-05	1.13E-04	6.23E-06	9.66E-06	1.86E-05	9.34E-07	9.39E-06	1.60E-05	1.19E-06	5.34E-06	8.83E-06	2.93E-07
4255	739520.83	4111321.05	6.24E-05	1.14E-04	6.24E-06	9.68E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
4256	739513.01	4111276.77	6.25E-05	1.14E-04	6.25E-06	9.69E-06	1.87E-05	9.37E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.86E-06	2.94E-07
4257	739505.19	4111232.49	6.25E-05	1.14E-04	6.25E-06	9.69E-06	1.87E-05	9.38E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.86E-06	2.94E-07
4258	739501.28	4111210.35	6.25E-05	1.14E-04	6.25E-06	9.69E-06	1.87E-05	9.38E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.86E-06	2.94E-07
4259	739493.46	4111166.06	6.26E-05	1.14E-04	6.26E-06	9.70E-06	1.87E-05	9.39E-07	9.43E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
4260	739485.65	4111121.78	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
4261	739477.83	4111077.5	6.32E-05	1.15E-04	6.32E-06	9.80E-06	1.89E-05	9.49E-07	9.53E-06	1.62E-05	1.20E-06	5.42E-06	8.96E-06	2.97E-07
4262	739473.92	4111055.36	6.35E-05	1.16E-04	6.35E-06	9.84E-06	1.90E-05	9.53E-07	9.57E-06	1.63E-05	1.21E-06	5.44E-06	9.00E-06	2.98E-07
4263	739466.1	4111011.08	6.41E-05	1.17E-04	6.41E-06	9.93E-06	1.91E-05	9.61E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
4264	739458.28	4110966.79	6.47E-05	1.18E-04	6.47E-06	1.00E-05	1.93E-05	9.71E-07	9.75E-06	1.66E-05	1.23E-06	5.54E-06	9.17E-06	3.04E-07
4265	739450.46	4110922.51	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.79E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
4266	739446.55	4110900.37	6.54E-05	1.19E-04	6.55E-06	1.01E-05	1.95E-05	9.82E-07	9.87E-06	1.68E-05	1.25E-06	5.61E-06	9.28E-06	3.07E-07
4267	739438.74	4110856.09	6.58E-05	1.20E-04	6.58E-06	1.02E-05	1.97E-05	9.87E-07	9.92E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
4268	739430.92	4110811.81	6.61E-05	1.21E-04	6.62E-06	1.03E-05	1.98E-05	9.93E-07	9.97E-06	1.70E-05	1.26E-06	5.67E-06	9.38E-06	3.11E-07
4269	739423.1	4110767.52	6.67E-05	1.21E-04	6.67E-06	1.03E-05	1.99E-05	1.00E-06	1.01E-05	1.71E-05	1.27E-06	5.71E-06	9.45E-06	3.13E-07
4270	739415.28	4110723.24	6.76E-05	1.23E-04	6.76E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.79E-06	9.59E-06	3.18E-07
4271	739411.37	4110701.1	6.83E-05	1.24E-04	6.83E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.76E-05	1.30E-06	5.85E-06	9.68E-06	3.21E-07
4272	739403.55	4110656.82	7.01E-05	1.28E-04	7.02E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.80E-05	1.34E-06	6.01E-06	9.94E-06	3.30E-07
4273	739395.73	4110612.54	7.27E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.23E-06	1.03E-05	3.42E-07
4274	739387.91	4110568.25	7.59E-05	1.38E-04	7.59E-06	1.18E-05	2.27E-05	1.14E-06	1.14E-05	1.95E-05	1.45E-06	6.50E-06	1.08E-05	3.56E-07
4275	739384.01	4110546.11	7.76E-05	1.41E-04	7.77E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	2.00E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
4276	739376.19	4110501.83	8.13E-05	1.48E-04	8.13E-06	1.26E-05	2.43E-05	1.22E-06	1.23E-05	2.09E-05	1.55E-06	6.97E-06	1.15E-05	3.82E-07
4277	739368.37	4110457.55	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
4278	739360.55	4110413.27	8.81E-05	1.61E-04	8.81E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
4279	739356.64	4110391.12	8.94E-05	1.63E-04	8.94E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.66E-06	1.27E-05	4.20E-07
4280	739348.82	4110346.84	9.12E-05	1.66E-04	9.13E-06	1.41E-05	2.73E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.82E-06	1.29E-05	4.29E-07
4281	739341	4110302.56	9.20E-05	1.68E-04	9.20E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.88E-06	1.30E-05	4.32E-07
4282	739333.18	4110258.28	9.16E-05	1.67E-04	9.16E-06	1.42E-05	2.74E-05	1.37E-06	1.38E-05	2.35E-05	1.74E-06	7.85E-06	1.30E-05	4.30E-07
4283	739325.37	4110213.99	9.02E-05	1.64E-04	9.03E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.32E-05	1.72E-06	7.73E-06	1.28E-05	4.24E-07
4284	739321.46	4110191.85	8.92E-05	1.63E-04	8.93E-06	1.38E-05	2.66E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.64E-06	1.26E-05	4.19E-07
4285	739313.64	4110147.57	8.68E-05	1.58E-04	8.69E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
4286	739305.82	4110103.29	8.41E-05	1.53E-04	8.42E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.21E-06	1.19E-05	3.95E-07
4287	739298	4110059.01	8.12E-05	1.48E-04	8.12E-06	1.26E-05	2.43E-05	1.22E-06	1.22E-05	2.09E-05	1.55E-06	6.96E-06	1.15E-05	3.82E-07
4288	739294.09	4110036.87	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
4289	739286.27	4109992.58	7.68E-05	1.40E-04	7.68E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.58E-06	1.09E-05	3.61E-07
4290	739278.46	4109948.3	7.39E-05	1.35E-04	7.39E-06	1.15E-05	2.21E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.33E-06	1.05E-05	3.47E-07
4291	739270.64	4109904.02	7.11E-05	1.30E-04	7.12E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.36E-06	6.09E-06	1.01E-05	3.34E-07
4292	739262.82	4109859.74	6.85E-05	1.25E-04	6.86E-06	1.06E-05	2.05E-05	1.03E-06	1.03E-05	1.76E-05	1.31E-06	5.87E-06	9.72E-06	3.22E-07
4293	739258.91	4109837.6	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.77E-06	9.54E-06	3.16E-07
4294	739251.09	4109793.31	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.77E-07	9.82E-06	1.67E-05	1.24E-06	5.58E-06	9.23E-06	3.06E-07
4295	739243.27	4109749.03	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4296	739235.45	4109704.75	6.18E-05	1.13E-04	6.19E-06	9.59E-06	1.85E-05	9.28E-07	9.32E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
4297	739231.54	4109682.61	6.13E-05	1.12E-04	6.13E-06	9.50E-06	1.83E-05	9.20E-07	9.24E-06	1.58E-05	1.17E-06	5.25E-06	8.69E-06	2.88E-07
4298	739223.73	4109638.32	6.05E-05	1.10E-04	6.05E-06	9.38E-06	1.81E-05	9.08E-07	9.12E-06	1.56E-05	1.15E-06	5.18E-06	8.58E-06	2.84E-07
4299	739215.91	4109594.04	6.01E-05	1.10E-04	6.02E-06	9.32E-06	1.80E-05	9.02E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
4300	739208.09	4109549.76	6.01E-05	1.09E-04	6.01E-06	9.32E-06	1.79E-05	9.02E-07	9.06E-06	1.54E-05	1.14E-06	5.15E-06	8.52E-06	2.82E-07
4301	739204.18	4109527.62	6.01E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.07E-06	1.55E-05	1.15E-06	5.15E-06	8.53E-06	2.83E-07
4302	739196.36	4109483.34	6.04E-05	1.10E-04	6.04E-06	9.37E-06	1.80E-05	9.07E-07	9.11E-06	1.55E-05	1.15E-06	5.18E-06	8.56E-06	2.84E-07
4303	739188.54	4109439.05	6.07E-05	1.11E-04	6.08E-06	9.42E-06	1.81E-05	9.11E-07	9.16E-06	1.56E-05	1.16E-06	5.20E-06	8.61E-06	2.85E-07

4304	739197.54	4109398.5	6.15E-05	1.12E-04	6.15E-06	9.54E-06	1.84E-05	9.23E-07	9.27E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
4305	739210.45	4109380.09	6.21E-05	1.13E-04	6.21E-06	9.63E-06	1.85E-05	9.32E-07	9.36E-06	1.60E-05	1.18E-06	5.32E-06	8.80E-06	2.92E-07
4306	739236.26	4109343.27	6.31E-05	1.15E-04	6.31E-06	9.78E-06	1.88E-05	9.47E-07	9.51E-06	1.62E-05	1.20E-06	5.40E-06	8.94E-06	2.96E-07
4307	739249.17	4109324.86	6.34E-05	1.16E-04	6.35E-06	9.84E-06	1.89E-05	9.52E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.99E-06	2.98E-07
4308	739274.98	4109288.04	6.38E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
4309	739300.79	4109251.22	6.38E-05	1.16E-04	6.38E-06	9.89E-06	1.91E-05	9.57E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.04E-06	3.00E-07
4310	739313.7	4109232.81	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.54E-07	9.59E-06	1.63E-05	1.21E-06	5.45E-06	9.01E-06	2.99E-07
4311	739339.51	4109195.99	6.28E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.42E-07	9.46E-06	1.61E-05	1.20E-06	5.38E-06	8.90E-06	2.95E-07
4312	739352.42	4109177.58	6.22E-05	1.13E-04	6.22E-06	9.64E-06	1.86E-05	9.33E-07	9.37E-06	1.60E-05	1.18E-06	5.33E-06	8.81E-06	2.92E-07
4313	739378.23	4109140.76	6.07E-05	1.11E-04	6.07E-06	9.41E-06	1.81E-05	9.11E-07	9.15E-06	1.56E-05	1.16E-06	5.20E-06	8.60E-06	2.85E-07
4314	739391.14	4109122.35	5.98E-05	1.09E-04	5.98E-06	9.27E-06	1.79E-05	8.97E-07	9.01E-06	1.54E-05	1.14E-06	5.12E-06	8.48E-06	2.81E-07
4315	739416.95	4109085.53	5.78E-05	1.05E-04	5.78E-06	8.96E-06	1.73E-05	8.67E-07	8.71E-06	1.48E-05	1.10E-06	4.95E-06	8.19E-06	2.71E-07
4316	739429.86	4109067.12	5.67E-05	1.03E-04	5.67E-06	8.79E-06	1.69E-05	8.50E-07	8.54E-06	1.46E-05	1.08E-06	4.85E-06	8.03E-06	2.66E-07
4317	739455.67	4109030.3	5.43E-05	9.90E-05	5.44E-06	8.43E-06	1.62E-05	8.15E-07	8.19E-06	1.40E-05	1.04E-06	4.66E-06	7.70E-06	2.55E-07
4318	739481.49	4108993.48	5.19E-05	9.46E-05	5.19E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.89E-07	4.45E-06	7.36E-06	2.44E-07
4319	739494.39	4108975.07	5.07E-05	9.24E-05	5.07E-06	7.86E-06	1.52E-05	7.61E-07	7.65E-06	1.30E-05	9.66E-07	4.35E-06	7.19E-06	2.38E-07
4320	739520.21	4108938.25	4.84E-05	8.82E-05	4.84E-06	7.50E-06	1.45E-05	7.26E-07	7.30E-06	1.24E-05	9.22E-07	4.15E-06	6.86E-06	2.27E-07
4321	739533.11	4108919.84	4.73E-05	8.62E-05	4.73E-06	7.33E-06	1.41E-05	7.10E-07	7.13E-06	1.22E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
4322	739558.93	4108883.02	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
4323	739571.83	4108864.61	4.43E-05	8.08E-05	4.44E-06	6.88E-06	1.32E-05	6.65E-07	6.69E-06	1.14E-05	8.45E-07	3.80E-06	6.29E-06	2.08E-07
4324	739597.65	4108827.79	4.26E-05	7.77E-05	4.27E-06	6.61E-06	1.27E-05	6.40E-07	6.43E-06	1.10E-05	8.13E-07	3.65E-06	6.05E-06	2.00E-07
4325	739623.46	4108790.97	4.11E-05	7.49E-05	4.12E-06	6.38E-06	1.23E-05	6.17E-07	6.20E-06	1.06E-05	7.84E-07	3.52E-06	5.83E-06	1.93E-07
4326	739636.37	4108772.56	4.04E-05	7.37E-05	4.04E-06	6.27E-06	1.21E-05	6.07E-07	6.10E-06	1.04E-05	7.70E-07	3.46E-06	5.73E-06	1.90E-07
4327	739662.18	4108735.74	3.91E-05	7.12E-05	3.91E-06	6.06E-06	1.17E-05	5.87E-07	5.89E-06	1.00E-05	7.45E-07	3.35E-06	5.54E-06	1.84E-07
4328	739675.09	4108717.33	3.84E-05	7.00E-05	3.84E-06	5.95E-06	1.15E-05	5.76E-07	5.79E-06	9.87E-06	7.32E-07	3.29E-06	5.44E-06	1.80E-07
4329	739700.9	4108680.51	3.70E-05	6.75E-05	3.71E-06	5.74E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
4330	739713.81	4108662.1	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.09E-05	5.45E-07	5.48E-06	9.34E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
4331	739739.62	4108625.28	3.49E-05	6.35E-05	3.49E-06	5.41E-06	1.04E-05	5.23E-07	5.26E-06	8.96E-06	6.64E-07	2.99E-06	4.94E-06	1.64E-07
4332	739752.53	4108606.87	3.41E-05	6.22E-05	3.41E-06	5.29E-06	1.02E-05	5.12E-07	5.14E-06	8.77E-06	6.50E-07	2.92E-06	4.84E-06	1.60E-07
4333	739778.34	4108570.05	3.26E-05	5.93E-05	3.26E-06	5.05E-06	9.73E-06	4.89E-07	4.91E-06	8.37E-06	6.20E-07	2.79E-06	4.62E-06	1.53E-07
4334	739804.15	4108533.23	3.11E-05	5.66E-05	3.11E-06	4.82E-06	9.28E-06	4.66E-07	4.69E-06	7.99E-06	5.92E-07	2.66E-06	4.41E-06	1.46E-07
4335	739817.06	4108514.82	3.04E-05	5.53E-05	3.04E-06	4.71E-06	9.07E-06	4.56E-07	4.58E-06	7.80E-06	5.78E-07	2.60E-06	4.30E-06	1.43E-07
4336	739842.87	4108478	2.91E-05	5.30E-05	2.91E-06	4.51E-06	8.69E-06	4.37E-07	4.39E-06	7.48E-06	5.55E-07	2.49E-06	4.13E-06	1.37E-07
4337	739855.78	4108459.59	2.86E-05	5.20E-05	2.86E-06	4.43E-06	8.53E-06	4.29E-07	4.31E-06	7.34E-06	5.44E-07	2.45E-06	4.05E-06	1.34E-07
4338	739881.59	4108422.77	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.27E-06	4.16E-07	4.17E-06	7.12E-06	5.28E-07	2.37E-06	3.93E-06	1.30E-07
4339	739894.5	4108404.36	2.74E-05	4.99E-05	2.74E-06	4.24E-06	8.18E-06	4.11E-07	4.13E-06	7.04E-06	5.22E-07	2.35E-06	3.88E-06	1.29E-07
4340	739920.31	4108367.54	2.70E-05	4.92E-05	2.70E-06	4.19E-06	8.06E-06	4.05E-07	4.07E-06	6.94E-06	5.14E-07	2.31E-06	3.83E-06	1.27E-07
4341	739946.13	4108330.72	2.69E-05	4.90E-05	2.69E-06	4.17E-06	8.04E-06	4.04E-07	4.06E-06	6.92E-06	5.13E-07	2.31E-06	3.82E-06	1.26E-07
4342	739959.03	4108312.31	2.70E-05	4.91E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.93E-06	5.14E-07	2.31E-06	3.82E-06	1.27E-07
4343	739984.85	4108275.49	2.73E-05	4.97E-05	2.73E-06	4.23E-06	8.14E-06	4.09E-07	4.11E-06	7.01E-06	5.19E-07	2.34E-06	3.87E-06	1.28E-07
4344	739997.75	4108257.08	2.75E-05	5.00E-05	2.75E-06	4.26E-06	8.20E-06	4.12E-07	4.14E-06	7.06E-06	5.23E-07	2.35E-06	3.89E-06	1.29E-07
4345	740023.57	4108220.26	2.79E-05	5.09E-05	2.79E-06	4.33E-06	8.34E-06	4.19E-07	4.21E-06	7.17E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
4346	740036.47	4108201.85	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.36E-07	2.41E-06	3.99E-06	1.32E-07
4347	740062.29	4108165.03	2.86E-05	5.22E-05	2.86E-06	4.44E-06	8.55E-06	4.30E-07	4.32E-06	7.36E-06	5.46E-07	2.45E-06	4.06E-06	1.35E-07
4348	740075.19	4108146.62	2.89E-05	5.26E-05	2.89E-06	4.47E-06	8.62E-06	4.33E-07	4.35E-06	7.42E-06	5.50E-07	2.47E-06	4.09E-06	1.36E-07
4349	740101.01	4108109.8	2.92E-05	5.33E-05	2.93E-06	4.53E-06	8.73E-06	4.39E-07	4.41E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
4350	740126.82	4108072.98	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.62E-07	2.53E-06	4.18E-06	1.39E-07
4351	740139.73	4108054.57	2.96E-05	5.39E-05	2.96E-06	4.59E-06	8.84E-06	4.44E-07	4.46E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
4352	740165.54	4108017.75	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
4353	740178.45	4107999.34	2.97E-05	5.41E-05	2.97E-06	4.60E-06	8.87E-06	4.46E-07	4.48E-06	7.63E-06	5.66E-07	2.54E-06	4.21E-06	1.40E-07
4354	740204.26	4107962.52	2.96E-05	5.40E-05	2.96E-06	4.59E-06	8.85E-06	4.44E-07	4.47E-06	7.61E-06	5.64E-07	2.54E-06	4.20E-06	1.39E-07
4355	740217.17	4107944.11	2.95E-05	5.38E-05	2.95E-06	4.58E-06	8.82E-06	4.43E-07	4.45E-06	7.59E-06	5.63E-07	2.53E-06	4.19E-06	1.39E-07
4356	740242.98	4107907.29	2.93E-05	5.34E-05	2.93E-06	4.54E-06	8.75E-06	4.40E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
4357	740268.79	4107870.47	2.89E-05	5.27E-05	2.90E-06	4.49E-06	8.65E-06	4.34E-07	4.36E-06	7.44E-06	5.52E-07	2.48E-06	4.10E-06	1.36E-07
4358	740281.7	4107852.06	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.58E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
4359	740307.51	4107815.24	2.82E-05	5.14E-05	2.82E-06	4.37E-06	8.43E-06	4.23E-07	4.25E-06	7.25E-06	5.38E-07	2.42E-06	4.00E-06	1.33E-07
4360	740320.42	4107796.83	2.79E-05	5.08E-05	2.79E-06	4.33E-06	8.33E-06	4.19E-07	4.21E-06	7.17E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
4361	740346.23	4107760.01	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.12E-06	4.08E-07	4.10E-06	6.99E-06	5.18E-07	2.33E-06	3.86E-06	1.28E-07
4362	739544.29	4111453.9	6.18E-05	1.13E-04	6.19E-06	9.59E-06	1.85E-05	9.28E-07	9.32E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
4363	739556.4	4111472.89	6.20E-05	1.13E-04	6.20E-06	9.62E-06	1.85E-05	9.31E-07	9.35E-06	1.59E-05	1.18E-06	5.31E-06	8.79E-06	2.91E-07
4364	739568.51	4111491.88	6.22E-05	1.13E-04	6.22E-06	9.65E-06	1.86E-05	9.34E-07	9.38E-06	1.60E-05	1.19E-06	5.33E-06	8.82E-06	2.92E-07
4365	739592.74	4111529.85	6.26E-05	1.14E-04	6.26E-06	9.71E-06	1.87E-05	9.40E-07	9.44E-06	1.61E-05	1.19E-06	5.36E-06	8.88E-06	2.94E-07
4366	739604.85	4111548.84	6.28E-05	1.14E-04	6.28E-06	9.74E-06	1.88E-05	9.43E-07	9.47E-06	1.61E-05	1.20E-06	5.38E-06	8.91E-06	2.95E-07
4367	739616.97	4111567.83	6.30E-05	1.15E-04	6.30E-06	9.77E-06	1.88E-05	9.45E-07	9.50E-06	1.62E-05	1.20E-06	5.40E-06	8.93E-06	2.96E-07
4368	739629.08	4111586.81	6.31E-05	1.15E-04	6.32E-06	9.79E-06	1.89E-05	9.48E-07	9.52E-06	1.62E-05	1.20E-06	5.41E-06	8.95E-06	2.97E-07
4369	739641.19	4111605.8	6.32E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4370	739653.31	4111624.79	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
4371	739203.17	4111646.97	5.10E-05	9.29E-05	5.10E-06	7.91E-06	1.52E-05	7.65E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
4372	739195.38	4111602.84	5.12E-05	9.33E-05	5.12E-06	7.94E-06	1.53E-05	7.69E-07	7.72E-06	1.32E-05	9.76E-07	4.39E-06	7.26E-06	2.41E-07
4373	739187.59	4111558.71	5.14E-05	9.37E-05	5.15E-06	7.98E-06	1.54E-05	7.72E-07	7.76E-06	1.32E-05	9.80E-07	4.41E-06	7.29E-06	2.42E-07
4374	739179.79	4111514.59	5.16E-05	9.40E-05	5.16E-06	8.00E-06	1.54E-05	7.74E-07	7.78E-06	1.33E-05	9.83E-07	4.42E-06	7.31E-06	2.42E-07
4375	739172	4111470.46	5.17E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.43E-06	7.32E-06	2.43E-07
4376	739164.21	4111426.33	5.17E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.43E-06	7.32E-06	2.43E-07

4377	739156.42	4111382.2	5.16E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.42E-06	7.32E-06	2.43E-07
4378	739148.63	4111338.07	5.17E-05	9.41E-05	5.17E-06	8.01E-06	1.54E-05	7.75E-07	7.79E-06	1.33E-05	9.84E-07	4.43E-06	7.32E-06	2.43E-07
4379	739140.84	4111293.95	5.18E-05	9.43E-05	5.18E-06	8.03E-06	1.55E-05	7.77E-07	7.81E-06	1.33E-05	9.86E-07	4.44E-06	7.34E-06	2.43E-07
4380	739133.05	4111249.82	5.20E-05	9.47E-05	5.20E-06	8.06E-06	1.55E-05	7.80E-07	7.84E-06	1.34E-05	9.91E-07	4.46E-06	7.37E-06	2.44E-07
4381	739125.26	4111205.69	5.23E-05	9.54E-05	5.24E-06	8.12E-06	1.56E-05	7.86E-07	7.89E-06	1.35E-05	9.97E-07	4.48E-06	7.42E-06	2.46E-07
4382	739117.46	4111161.56	5.28E-05	9.62E-05	5.28E-06	8.19E-06	1.58E-05	7.92E-07	7.96E-06	1.36E-05	1.01E-06	4.52E-06	7.49E-06	2.48E-07
4383	739109.67	4111117.44	5.33E-05	9.71E-05	5.33E-06	8.26E-06	1.59E-05	8.00E-07	8.03E-06	1.37E-05	1.02E-06	4.57E-06	7.55E-06	2.50E-07
4384	739105.78	4111095.37	5.35E-05	9.75E-05	5.35E-06	8.30E-06	1.60E-05	8.03E-07	8.07E-06	1.38E-05	1.02E-06	4.58E-06	7.59E-06	2.51E-07
4385	739097.99	4111051.25	5.39E-05	9.82E-05	5.39E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
4386	739090.2	4111007.12	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
4387	739082.4	4110962.99	5.44E-05	9.91E-05	5.44E-06	8.43E-06	1.62E-05	8.16E-07	8.20E-06	1.40E-05	1.04E-06	4.66E-06	7.71E-06	2.56E-07
4388	739074.61	4110918.86	5.46E-05	9.95E-05	5.46E-06	8.46E-06	1.63E-05	8.19E-07	8.23E-06	1.40E-05	1.04E-06	4.68E-06	7.74E-06	2.56E-07
4389	739066.82	4110874.73	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.27E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
4390	739059.03	4110830.61	5.54E-05	1.01E-04	5.54E-06	8.59E-06	1.66E-05	8.32E-07	8.35E-06	1.42E-05	1.06E-06	4.75E-06	7.86E-06	2.60E-07
4391	739051.24	4110786.48	5.63E-05	1.03E-04	5.64E-06	8.74E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.83E-06	7.99E-06	2.65E-07
4392	739043.45	4110742.35	5.77E-05	1.05E-04	5.78E-06	8.95E-06	1.72E-05	8.66E-07	8.71E-06	1.48E-05	1.10E-06	4.95E-06	8.19E-06	2.71E-07
4393	739035.66	4110698.22	5.96E-05	1.09E-04	5.96E-06	9.24E-06	1.78E-05	8.94E-07	8.98E-06	1.53E-05	1.14E-06	5.11E-06	8.45E-06	2.80E-07
4394	739027.87	4110654.1	6.19E-05	1.13E-04	6.19E-06	9.60E-06	1.85E-05	9.29E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.78E-06	2.91E-07
4395	739020.07	4110609.97	6.45E-05	1.18E-04	6.45E-06	1.00E-05	1.93E-05	9.68E-07	9.73E-06	1.66E-05	1.23E-06	5.53E-06	9.15E-06	3.03E-07
4396	739012.28	4110565.84	6.73E-05	1.23E-04	6.73E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.77E-06	9.54E-06	3.16E-07
4397	739004.49	4110521.71	7.00E-05	1.28E-04	7.01E-06	1.09E-05	2.09E-05	1.05E-06	1.06E-05	1.80E-05	1.33E-06	6.00E-06	9.93E-06	3.29E-07
4398	738996.7	4110477.59	7.25E-05	1.32E-04	7.26E-06	1.12E-05	2.17E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
4399	738988.91	4110433.46	7.45E-05	1.36E-04	7.45E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
4400	738981.12	4110389.33	7.57E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
4401	738973.33	4110345.2	7.61E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.52E-06	1.08E-05	3.58E-07
4402	738965.54	4110301.08	7.58E-05	1.38E-04	7.58E-06	1.18E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.50E-06	1.07E-05	3.56E-07
4403	738957.75	4110256.95	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
4404	738949.95	4110212.82	7.32E-05	1.33E-04	7.32E-06	1.14E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
4405	738942.16	4110168.69	7.13E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.83E-05	1.36E-06	6.11E-06	1.01E-05	3.35E-07
4406	738934.37	4110124.57	6.92E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.93E-06	9.82E-06	3.25E-07
4407	738926.58	4110080.44	6.71E-05	1.22E-04	6.71E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.75E-06	9.51E-06	3.15E-07
4408	738922.68	4110058.37	6.60E-05	1.20E-04	6.60E-06	1.02E-05	1.97E-05	9.90E-07	9.95E-06	1.70E-05	1.26E-06	5.65E-06	9.36E-06	3.10E-07
4409	738914.89	4110014.25	6.38E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.62E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
4410	738907.1	4109970.12	6.17E-05	1.12E-04	6.18E-06	9.57E-06	1.84E-05	9.26E-07	9.31E-06	1.59E-05	1.18E-06	5.29E-06	8.75E-06	2.90E-07
4411	738899.31	4109925.99	5.97E-05	1.09E-04	5.97E-06	9.26E-06	1.78E-05	8.96E-07	9.00E-06	1.53E-05	1.14E-06	5.11E-06	8.46E-06	2.81E-07
4412	738891.52	4109881.86	5.77E-05	1.05E-04	5.78E-06	8.95E-06	1.72E-05	8.66E-07	8.70E-06	1.48E-05	1.10E-06	4.95E-06	8.18E-06	2.71E-07
4413	738883.73	4109837.74	5.59E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.39E-07	8.43E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.63E-07
4414	738875.94	4109793.61	5.42E-05	9.87E-05	5.42E-06	8.40E-06	1.62E-05	8.13E-07	8.17E-06	1.39E-05	1.03E-06	4.64E-06	7.68E-06	2.55E-07
4415	738868.15	4109749.48	5.26E-05	9.59E-05	5.27E-06	8.16E-06	1.57E-05	7.90E-07	7.94E-06	1.35E-05	1.00E-06	4.51E-06	7.46E-06	2.47E-07
4416	738860.35	4109705.35	5.14E-05	9.36E-05	5.14E-06	7.96E-06	1.53E-05	7.71E-07	7.75E-06	1.32E-05	9.79E-07	4.40E-06	7.28E-06	2.41E-07
4417	738852.56	4109661.23	5.04E-05	9.18E-05	5.04E-06	7.81E-06	1.50E-05	7.56E-07	7.60E-06	1.29E-05	9.60E-07	4.32E-06	7.14E-06	2.37E-07
4418	738844.77	4109617.1	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.49E-06	1.28E-05	9.46E-07	4.26E-06	7.04E-06	2.33E-07
4419	738836.98	4109572.97	4.92E-05	8.97E-05	4.93E-06	7.64E-06	1.47E-05	7.39E-07	7.42E-06	1.27E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
4420	738829.19	4109528.84	4.91E-05	8.94E-05	4.91E-06	7.61E-06	1.47E-05	7.36E-07	7.40E-06	1.26E-05	9.35E-07	4.20E-06	6.96E-06	2.31E-07
4421	738821.4	4109484.72	4.91E-05	8.95E-05	4.92E-06	7.62E-06	1.47E-05	7.37E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.96E-06	2.31E-07
4422	738813.61	4109440.59	4.93E-05	8.99E-05	4.94E-06	7.65E-06	1.47E-05	7.40E-07	7.44E-06	1.27E-05	9.40E-07	4.23E-06	6.99E-06	2.32E-07
4423	738805.82	4109396.46	4.96E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.49E-06	1.28E-05	9.46E-07	4.25E-06	7.04E-06	2.33E-07
4424	738798.03	4109352.33	5.00E-05	9.10E-05	5.00E-06	7.75E-06	1.49E-05	7.50E-07	7.53E-06	1.28E-05	9.52E-07	4.28E-06	7.08E-06	2.35E-07
4425	738806.99	4109311.92	5.06E-05	9.22E-05	5.06E-06	7.85E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.34E-06	7.17E-06	2.38E-07
4426	738819.85	4109293.58	5.11E-05	9.30E-05	5.11E-06	7.92E-06	1.53E-05	7.66E-07	7.70E-06	1.31E-05	9.73E-07	4.38E-06	7.24E-06	2.40E-07
4427	738845.58	4109256.89	5.18E-05	9.44E-05	5.19E-06	8.04E-06	1.55E-05	7.78E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.35E-06	2.44E-07
4428	738858.44	4109238.54	5.21E-05	9.50E-05	5.22E-06	8.08E-06	1.56E-05	7.82E-07	7.86E-06	1.34E-05	9.93E-07	4.47E-06	7.39E-06	2.45E-07
4429	738884.16	4109201.85	5.25E-05	9.57E-05	5.25E-06	8.14E-06	1.57E-05	7.88E-07	7.92E-06	1.35E-05	1.00E-06	4.50E-06	7.44E-06	2.47E-07
4430	738909.88	4109165.16	5.26E-05	9.58E-05	5.26E-06	8.15E-06	1.57E-05	7.89E-07	7.93E-06	1.35E-05	1.00E-06	4.50E-06	7.45E-06	2.47E-07
4431	738922.75	4109146.81	5.25E-05	9.56E-05	5.25E-06	8.14E-06	1.57E-05	7.87E-07	7.91E-06	1.35E-05	1.00E-06	4.50E-06	7.44E-06	2.47E-07
4432	738948.47	4109110.12	5.20E-05	9.48E-05	5.21E-06	8.07E-06	1.55E-05	7.81E-07	7.85E-06	1.34E-05	9.91E-07	4.46E-06	7.38E-06	2.45E-07
4433	738974.19	4109073.43	5.13E-05	9.34E-05	5.13E-06	7.95E-06	1.53E-05	7.70E-07	7.73E-06	1.32E-05	9.77E-07	4.39E-06	7.27E-06	2.41E-07
4434	738987.05	4109055.08	5.08E-05	9.26E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
4435	739012.78	4109018.39	4.97E-05	9.05E-05	4.97E-06	7.70E-06	1.48E-05	7.45E-07	7.49E-06	1.28E-05	9.46E-07	4.26E-06	7.04E-06	2.33E-07
4436	739025.64	4109000.05	4.90E-05	8.93E-05	4.90E-06	7.60E-06	1.46E-05	7.35E-07	7.39E-06	1.26E-05	9.34E-07	4.20E-06	6.95E-06	2.30E-07
4437	739051.36	4108963.35	4.75E-05	8.65E-05	4.75E-06	7.36E-06	1.42E-05	7.13E-07	7.16E-06	1.22E-05	9.05E-07	4.07E-06	6.73E-06	2.23E-07
4438	739077.08	4108926.66	4.58E-05	8.35E-05	4.58E-06	7.10E-06	1.37E-05	6.87E-07	6.91E-06	1.18E-05	8.73E-07	3.92E-06	6.49E-06	2.15E-07
4439	739089.95	4108908.32	4.49E-05	8.19E-05	4.50E-06	6.97E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.56E-07	3.85E-06	6.37E-06	2.11E-07
4440	739115.67	4108871.63	4.31E-05	7.86E-05	4.31E-06	6.69E-06	1.29E-05	6.47E-07	6.50E-06	1.11E-05	8.22E-07	3.69E-06	6.11E-06	2.03E-07
4441	739128.53	4108853.28	4.22E-05	7.69E-05	4.22E-06	6.54E-06	1.26E-05	6.33E-07	6.36E-06	1.08E-05	8.04E-07	3.62E-06	5.98E-06	1.98E-07
4442	739154.25	4108816.59	4.04E-05	7.36E-05	4.04E-06	6.27E-06	1.21E-05	6.06E-07	6.09E-06	1.04E-05	7.70E-07	3.46E-06	5.73E-06	1.90E-07
4443	739179.98	4108779.9	3.87E-05	7.05E-05	3.87E-06	6.00E-06	1.16E-05	5.81E-07	5.84E-06	9.95E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
4444	739192.84	4108761.55	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.75E-06	7.23E-07	3.25E-06	5.38E-06	1.78E-07
4445	739218.56	4108724.86	3.65E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.50E-06	9.37E-06	6.95E-07	3.12E-06	5.17E-06	1.71E-07
4446	739244.29	4108688.17	3.52E-05	6.41E-05	3.52E-06	5.46E-06	1.05E-05	5.28E-07	5.31E-06	9.04E-06	6.70E-07	3.01E-06	4.99E-06	1.65E-07
4447	739257.15	4108669.82	3.46E-05	6.31E-05	3.46E-06	5.37E-06	1.03E-05	5.19E-07	5.22E-06	8.90E-06	6.60E-07	2.97E-06	4.91E-06	1.63E-07
4448	739282.87	4108633.13	3.36E-05	6.12E-05	3.36E-06	5.21E-06	1.00E-05	5.04E-07	5.06E-06	8.63E-06	6.40E-07	2.88E-06	4.76E-06	1.58E-07
4449	739295.73	4108614.78	3.31E-05	6.03E-05	3.31E-06	5.13E-06	9.89E-06	4.97E-07	4.99E-06	8.51E-06	6.31E-07	2.84E-06	4.69E-06	1.56E-07

4450	739321.45	4108578.09	3.22E-05	5.87E-05	3.22E-06	5.00E-06	9.62E-06	4.84E-07	4.86E-06	8.28E-06	6.14E-07	2.76E-06	4.57E-06	1.51E-07
4451	739347.18	4108541.4	3.13E-05	5.71E-05	3.14E-06	4.86E-06	9.36E-06	4.70E-07	4.73E-06	8.06E-06	5.97E-07	2.69E-06	4.44E-06	1.47E-07
4452	739360.04	4108523.06	3.09E-05	5.63E-05	3.09E-06	4.79E-06	9.23E-06	4.63E-07	4.66E-06	7.94E-06	5.88E-07	2.65E-06	4.38E-06	1.45E-07
4453	739385.76	4108486.36	2.99E-05	5.45E-05	3.00E-06	4.64E-06	8.94E-06	4.49E-07	4.51E-06	7.70E-06	5.70E-07	2.57E-06	4.24E-06	1.41E-07
4454	739411.49	4108449.67	2.89E-05	5.27E-05	2.89E-06	4.48E-06	8.63E-06	4.34E-07	4.36E-06	7.43E-06	5.51E-07	2.48E-06	4.10E-06	1.36E-07
4455	739424.35	4108431.33	2.84E-05	5.17E-05	2.84E-06	4.40E-06	8.47E-06	4.26E-07	4.28E-06	7.29E-06	5.40E-07	2.43E-06	4.02E-06	1.33E-07
4456	739450.07	4108394.64	2.72E-05	4.96E-05	2.72E-06	4.22E-06	8.13E-06	4.09E-07	4.11E-06	7.00E-06	5.19E-07	2.33E-06	3.86E-06	1.28E-07
4457	739462.93	4108376.29	2.66E-05	4.86E-05	2.67E-06	4.13E-06	7.96E-06	4.00E-07	4.02E-06	6.85E-06	5.08E-07	2.28E-06	3.78E-06	1.25E-07
4458	739488.66	4108339.6	2.55E-05	4.65E-05	2.55E-06	3.95E-06	7.62E-06	3.83E-07	3.85E-06	6.56E-06	4.86E-07	2.19E-06	3.62E-06	1.20E-07
4459	739514.38	4108302.91	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.29E-06	3.66E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
4460	739527.24	4108284.56	2.39E-05	4.36E-05	2.39E-06	3.71E-06	7.14E-06	3.59E-07	3.61E-06	6.15E-06	4.56E-07	2.05E-06	3.39E-06	1.12E-07
4461	739552.96	4108247.87	2.30E-05	4.20E-05	2.30E-06	3.57E-06	6.88E-06	3.46E-07	3.47E-06	5.92E-06	4.39E-07	1.97E-06	3.27E-06	1.08E-07
4462	739578.69	4108211.18	2.24E-05	4.07E-05	2.24E-06	3.47E-06	6.68E-06	3.35E-07	3.37E-06	5.75E-06	4.26E-07	1.92E-06	3.17E-06	1.05E-07
4463	739591.55	4108192.83	2.21E-05	4.03E-05	2.21E-06	3.43E-06	6.60E-06	3.32E-07	3.33E-06	5.68E-06	4.21E-07	1.89E-06	3.13E-06	1.04E-07
4464	739617.27	4108156.14	2.18E-05	3.97E-05	2.18E-06	3.37E-06	6.50E-06	3.27E-07	3.28E-06	5.59E-06	4.15E-07	1.86E-06	3.09E-06	1.02E-07
4465	739630.13	4108137.8	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.48E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
4466	739655.86	4108101.1	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.48E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
4467	739681.58	4108064.41	2.19E-05	3.98E-05	2.19E-06	3.39E-06	6.53E-06	3.28E-07	3.30E-06	5.62E-06	4.17E-07	1.87E-06	3.10E-06	1.03E-07
4468	739694.44	4108046.07	2.20E-05	4.01E-05	2.20E-06	3.41E-06	6.57E-06	3.30E-07	3.32E-06	5.66E-06	4.19E-07	1.89E-06	3.12E-06	1.03E-07
4469	739720.16	4108009.38	2.24E-05	4.07E-05	2.24E-06	3.47E-06	6.68E-06	3.35E-07	3.37E-06	5.75E-06	4.26E-07	1.92E-06	3.17E-06	1.05E-07
4470	739733.03	4107991.03	2.26E-05	4.11E-05	2.26E-06	3.50E-06	6.74E-06	3.38E-07	3.40E-06	5.80E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
4471	739758.75	4107954.34	2.30E-05	4.19E-05	2.30E-06	3.56E-06	6.86E-06	3.45E-07	3.46E-06	5.91E-06	4.38E-07	1.97E-06	3.26E-06	1.08E-07
4472	739784.47	4107917.65	2.34E-05	4.26E-05	2.34E-06	3.62E-06	6.98E-06	3.51E-07	3.52E-06	6.01E-06	4.45E-07	2.00E-06	3.31E-06	1.10E-07
4473	739797.33	4107899.3	2.35E-05	4.29E-05	2.36E-06	3.65E-06	7.03E-06	3.53E-07	3.55E-06	6.05E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
4474	739823.06	4107862.61	2.38E-05	4.34E-05	2.39E-06	3.70E-06	7.12E-06	3.58E-07	3.60E-06	6.13E-06	4.54E-07	2.04E-06	3.38E-06	1.12E-07
4475	739848.78	4107825.92	2.41E-05	4.39E-05	2.41E-06	3.73E-06	7.19E-06	3.61E-07	3.63E-06	6.19E-06	4.59E-07	2.06E-06	3.41E-06	1.13E-07
4476	739861.64	4107807.57	2.41E-05	4.40E-05	2.42E-06	3.74E-06	7.21E-06	3.62E-07	3.64E-06	6.21E-06	4.60E-07	2.07E-06	3.42E-06	1.13E-07
4477	739887.36	4107770.88	2.42E-05	4.42E-05	2.42E-06	3.76E-06	7.24E-06	3.64E-07	3.65E-06	6.23E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
4478	739900.23	4107752.53	2.43E-05	4.42E-05	2.43E-06	3.76E-06	7.25E-06	3.64E-07	3.66E-06	6.24E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
4479	739925.95	4107715.84	2.42E-05	4.42E-05	2.43E-06	3.76E-06	7.24E-06	3.64E-07	3.66E-06	6.23E-06	4.62E-07	2.08E-06	3.44E-06	1.14E-07
4480	739951.67	4107679.15	2.42E-05	4.40E-05	2.42E-06	3.75E-06	7.22E-06	3.63E-07	3.64E-06	6.21E-06	4.61E-07	2.07E-06	3.43E-06	1.14E-07
4481	739964.53	4107660.81	2.41E-05	4.39E-05	2.41E-06	3.74E-06	7.20E-06	3.62E-07	3.63E-06	6.20E-06	4.59E-07	2.06E-06	3.42E-06	1.13E-07
4482	739990.26	4107624.11	2.39E-05	4.36E-05	2.40E-06	3.71E-06	7.15E-06	3.59E-07	3.61E-06	6.15E-06	4.56E-07	2.05E-06	3.39E-06	1.13E-07
4483	740015.98	4107587.42	2.37E-05	4.32E-05	2.37E-06	3.68E-06	7.09E-06	3.56E-07	3.58E-06	6.10E-06	4.52E-07	2.03E-06	3.36E-06	1.11E-07
4484	740028.84	4107569.08	2.36E-05	4.30E-05	2.36E-06	3.66E-06	7.05E-06	3.54E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
4485	740054.57	4107532.39	2.33E-05	4.25E-05	2.33E-06	3.61E-06	6.96E-06	3.50E-07	3.51E-06	5.99E-06	4.44E-07	2.00E-06	3.30E-06	1.09E-07
4486	740067.43	4107514.04	2.31E-05	4.21E-05	2.31E-06	3.59E-06	6.91E-06	3.47E-07	3.49E-06	5.94E-06	4.41E-07	1.98E-06	3.28E-06	1.09E-07
4487	740093.15	4107477.35	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.78E-06	3.41E-07	3.42E-06	5.84E-06	4.33E-07	1.95E-06	3.22E-06	1.07E-07
4488	740118.87	4107440.66	2.22E-05	4.05E-05	2.22E-06	3.44E-06	6.63E-06	3.33E-07	3.35E-06	5.71E-06	4.23E-07	1.90E-06	3.15E-06	1.04E-07
4489	740131.73	4107422.31	2.19E-05	4.00E-05	2.19E-06	3.40E-06	6.55E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
4490	739219.18	4111688.02	5.10E-05	9.30E-05	5.10E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
4491	739231.29	4111707.01	5.12E-05	9.32E-05	5.12E-06	7.93E-06	1.53E-05	7.68E-07	7.71E-06	1.32E-05	9.75E-07	4.38E-06	7.25E-06	2.40E-07
4492	739243.4	4111726	5.13E-05	9.35E-05	5.13E-06	7.96E-06	1.53E-05	7.70E-07	7.74E-06	1.32E-05	9.78E-07	4.40E-06	7.27E-06	2.41E-07
4493	739255.52	4111744.98	5.15E-05	9.38E-05	5.15E-06	7.98E-06	1.54E-05	7.72E-07	7.76E-06	1.32E-05	9.80E-07	4.41E-06	7.30E-06	2.42E-07
4494	739267.63	4111763.97	5.16E-05	9.41E-05	5.16E-06	8.00E-06	1.54E-05	7.75E-07	7.78E-06	1.33E-05	9.84E-07	4.42E-06	7.32E-06	2.43E-07
4495	739279.74	4111782.96	5.18E-05	9.44E-05	5.18E-06	8.03E-06	1.55E-05	7.77E-07	7.81E-06	1.33E-05	9.87E-07	4.44E-06	7.34E-06	2.43E-07
4496	739291.86	4111801.95	5.19E-05	9.46E-05	5.20E-06	8.05E-06	1.55E-05	7.79E-07	7.83E-06	1.33E-05	9.90E-07	4.45E-06	7.36E-06	2.44E-07
4497	739303.97	4111820.93	5.20E-05	9.48E-05	5.21E-06	8.07E-06	1.55E-05	7.81E-07	7.85E-06	1.34E-05	9.92E-07	4.46E-06	7.38E-06	2.45E-07
4498	739316.08	4111839.92	5.21E-05	9.50E-05	5.21E-06	8.08E-06	1.56E-05	7.82E-07	7.86E-06	1.34E-05	9.93E-07	4.47E-06	7.39E-06	2.45E-07
4499	741943.48	4110193.41	3.75E-03	6.83E-03	3.75E-04	5.81E-04	1.12E-03	5.63E-05	5.65E-04	9.64E-04	7.14E-05	3.21E-04	5.31E-04	1.76E-05
4500	741963.59	4110179.92	4.23E-03	7.71E-03	4.23E-04	6.56E-04	1.26E-03	6.35E-05	6.38E-04	1.09E-03	8.06E-05	3.63E-04	6.00E-04	1.99E-05
4501	741983.7	4110166.43	4.77E-03	8.70E-03	4.77E-04	7.40E-04	1.43E-03	7.16E-05	7.20E-04	1.23E-03	9.09E-05	4.09E-04	6.77E-04	2.24E-05
4502	742003.81	4110152.93	5.32E-03	9.69E-03	5.32E-04	8.25E-04	1.59E-03	7.98E-05	8.02E-04	1.37E-03	1.01E-04	4.56E-04	7.54E-04	2.50E-05
4503	742023.92	4110139.44	5.82E-03	1.06E-02	5.82E-04	9.03E-04	1.74E-03	8.73E-05	8.78E-04	1.50E-03	1.11E-04	4.99E-04	8.25E-04	2.74E-05
4504	742044.03	4110125.95	6.25E-03	1.14E-02	6.26E-04	9.70E-04	1.87E-03	9.39E-05	9.43E-04	1.61E-03	1.19E-04	5.36E-04	8.87E-04	2.94E-05
4505	742064.14	4110112.46	6.61E-03	1.20E-02	6.62E-04	1.03E-03	1.98E-03	9.92E-05	9.97E-04	1.70E-03	1.26E-04	5.67E-04	9.37E-04	3.11E-05
4506	742084.25	4110098.96	6.90E-03	1.26E-02	6.91E-04	1.07E-03	2.06E-03	1.04E-04	1.04E-03	1.77E-03	1.32E-04	5.91E-04	9.79E-04	3.24E-05
4507	742104.36	4110085.47	7.14E-03	1.30E-02	7.14E-04	1.11E-03	2.13E-03	1.07E-04	1.08E-03	1.83E-03	1.36E-04	6.12E-04	1.01E-03	3.35E-05
4508	742124.47	4110071.98	7.34E-03	1.34E-02	7.34E-04	1.14E-03	2.19E-03	1.10E-04	1.11E-03	1.89E-03	1.40E-04	6.29E-04	1.04E-03	3.45E-05
4509	742144.58	4110058.49	7.50E-03	1.37E-02	7.50E-04	1.16E-03	2.24E-03	1.13E-04	1.13E-03	1.93E-03	1.43E-04	6.42E-04	1.06E-03	3.52E-05
4510	742164.69	4110044.99	7.63E-03	1.39E-02	7.63E-04	1.18E-03	2.28E-03	1.14E-04	1.15E-03	1.96E-03	1.45E-04	6.53E-04	1.08E-03	3.58E-05
4511	742184.8	4110031.5	7.71E-03	1.41E-02	7.72E-04	1.20E-03	2.30E-03	1.16E-04	1.16E-03	1.98E-03	1.47E-04	6.61E-04	1.09E-03	3.62E-05
4512	742204.91	4110018.01	7.73E-03	1.41E-02	7.74E-04	1.20E-03	2.31E-03	1.16E-04	1.17E-03	1.99E-03	1.47E-04	6.62E-04	1.10E-03	3.63E-05
4513	741977.52	4110200.68	3.00E-03	5.46E-03	3.00E-04	4.65E-04	8.96E-04	4.50E-05	4.52E-04	7.71E-04	5.71E-05	2.57E-04	4.25E-04	1.41E-05
4514	741997.63	4110187.19	3.28E-03	5.97E-03	3.28E-04	5.08E-04	9.79E-04	4.92E-05	4.94E-04	8.42E-04	6.24E-05	2.81E-04	4.65E-04	1.54E-05
4515	742017.74	4110173.69	3.56E-03	6.49E-03	3.56E-04	5.52E-04	1.06E-03	5.35E-05	5.37E-04	9.16E-04	6.79E-05	3.05E-04	5.05E-04	1.67E-05
4516	742037.85	4110160.2	3.83E-03	6.98E-03	3.83E-04	5.94E-04	1.14E-03	5.75E-05	5.78E-04	9.85E-04	7.30E-05	3.28E-04	5.43E-04	1.80E-05
4517	742057.96	4110146.71	4.07E-03	7.42E-03	4.07E-04	6.31E-04	1.22E-03	6.11E-05	6.14E-04	1.05E-03	7.76E-05	3.49E-04	5.77E-04	1.91E-05
4518	742078.07	4110133.22	4.27E-03	7.79E-03	4.28E-04	6.63E-04	1.28E-03	6.41E-05	6.44E-04	1.10E-03	8.14E-05	3.66E-04	6.06E-04	2.01E-05
4519	742098.18	4110119.72	4.44E-03	8.09E-03	4.44E-04	6.89E-04	1.33E-03	6.67E-05	6.70E-04	1.14E-03	8.46E-05	3.81E-04	6.30E-04	2.09E-05
4520	742118.29	4110106.23	4.58E-03	8.35E-03	4.58E-04	7.10E-04	1.37E-03	6.88E-05	6.91E-04	1.18E-03	8.73E-05	3.93E-04	6.50E-04	2.15E-05
4521	742138.4	4110092.74	4.70E-03	8.56E-03	4.70E-04	7.29E-04	1.40E-03	7.05E-05	7.09E-04	1.21E-03	8.95E-05	4.03E-04	6.66E-04	2.21E-05
4522	742158.51	4110079.25	4.79E-03	8.73E-03	4.79E-04	7.43E-04	1.43E-03	7.19E-05	7.23E-04	1.23E-03	9.13E-05	4.11E-04	6.79E-04	2.25E-05

4523	742178.62	4110065.76	4.86E-03	8.85E-03	4.86E-04	7.53E-04	1.45E-03	7.29E-05	7.32E-04	1.25E-03	9.26E-05	4.16E-04	6.89E-04	2.28E-05
4524	742198.73	4110052.26	4.89E-03	8.91E-03	4.89E-04	7.59E-04	1.46E-03	7.34E-05	7.38E-04	1.26E-03	9.32E-05	4.19E-04	6.94E-04	2.30E-05
4525	741898.25	4110235.04	2.48E-03	4.52E-03	2.48E-04	3.85E-04	7.41E-04	3.72E-05	3.74E-04	6.38E-04	4.73E-05	2.13E-04	3.52E-04	1.17E-05
4526	741991.45	4110221.44	2.27E-03	4.14E-03	2.28E-04	3.53E-04	6.79E-04	3.41E-05	3.43E-04	5.85E-04	4.33E-05	1.95E-04	3.22E-04	1.07E-05
4527	742011.56	4110207.95	2.44E-03	4.44E-03	2.44E-04	3.78E-04	7.28E-04	3.66E-05	3.67E-04	6.26E-04	4.64E-05	2.09E-04	3.45E-04	1.14E-05
4528	742031.67	4110194.45	2.60E-03	4.74E-03	2.60E-04	4.04E-04	7.78E-04	3.91E-05	3.92E-04	6.69E-04	4.96E-05	2.23E-04	3.69E-04	1.22E-05
4529	742051.78	4110180.96	2.76E-03	5.03E-03	2.76E-04	4.28E-04	8.25E-04	4.15E-05	4.17E-04	7.10E-04	5.26E-05	2.37E-04	3.92E-04	1.30E-05
4530	742071.89	4110167.47	2.91E-03	5.30E-03	2.91E-04	4.51E-04	8.69E-04	4.36E-05	4.38E-04	7.47E-04	5.54E-05	2.49E-04	4.12E-04	1.37E-05
4531	742092	4110153.98	3.03E-03	5.53E-03	3.03E-04	4.70E-04	9.06E-04	4.55E-05	4.57E-04	7.80E-04	5.78E-05	2.60E-04	4.30E-04	1.43E-05
4532	742112.11	4110140.48	3.14E-03	5.72E-03	3.14E-04	4.86E-04	9.37E-04	4.71E-05	4.73E-04	8.06E-04	5.98E-05	2.69E-04	4.45E-04	1.47E-05
4533	742132.22	4110126.99	3.23E-03	5.88E-03	3.23E-04	5.00E-04	9.64E-04	4.84E-05	4.86E-04	8.29E-04	6.15E-05	2.76E-04	4.57E-04	1.52E-05
4534	742152.33	4110113.5	3.30E-03	6.02E-03	3.31E-04	5.12E-04	9.87E-04	4.96E-05	4.98E-04	8.49E-04	6.29E-05	2.83E-04	4.68E-04	1.55E-05
4535	742172.44	4110100.01	3.36E-03	6.13E-03	3.37E-04	5.22E-04	1.00E-03	5.05E-05	5.07E-04	8.65E-04	6.41E-05	2.88E-04	4.77E-04	1.58E-05
4536	742192.55	4110086.52	3.40E-03	6.20E-03	3.40E-04	5.28E-04	1.02E-03	5.11E-05	5.13E-04	8.74E-04	6.48E-05	2.91E-04	4.82E-04	1.60E-05
4537	742212.66	4110073.02	3.41E-03	6.22E-03	3.42E-04	5.30E-04	1.02E-03	5.13E-05	5.15E-04	8.78E-04	6.51E-05	2.93E-04	4.84E-04	1.60E-05
4538	742232.77	4110059.53	3.39E-03	6.18E-03	3.39E-04	5.26E-04	1.01E-03	5.09E-05	5.11E-04	8.71E-04	6.46E-05	2.90E-04	4.81E-04	1.59E-05
4539	741928.14	4110266.82	1.80E-03	3.27E-03	1.80E-04	2.79E-04	5.37E-04	2.70E-05	2.71E-04	4.62E-04	3.42E-05	1.54E-04	2.55E-04	8.44E-06
4540	741893.13	4110259.51	1.98E-03	3.61E-03	1.98E-04	3.07E-04	5.92E-04	2.98E-05	2.99E-04	5.10E-04	3.78E-05	1.70E-04	2.81E-04	9.32E-06
4541	742005.37	4110242.2	1.80E-03	3.27E-03	1.80E-04	2.79E-04	5.37E-04	2.70E-05	2.71E-04	4.62E-04	3.42E-05	1.54E-04	2.55E-04	8.44E-06
4542	742025.48	4110228.71	1.90E-03	3.46E-03	1.90E-04	2.94E-04	5.67E-04	2.85E-05	2.86E-04	4.88E-04	3.62E-05	1.63E-04	2.69E-04	8.92E-06
4543	742045.59	4110215.21	2.00E-03	3.65E-03	2.00E-04	3.11E-04	5.98E-04	3.01E-05	3.02E-04	5.15E-04	3.82E-05	1.72E-04	2.84E-04	9.41E-06
4544	742065.7	4110201.72	2.10E-03	3.83E-03	2.11E-04	3.26E-04	6.28E-04	3.16E-05	3.17E-04	5.41E-04	4.01E-05	1.80E-04	2.98E-04	9.89E-06
4545	742085.81	4110188.23	2.20E-03	4.01E-03	2.20E-04	3.41E-04	6.57E-04	3.30E-05	3.32E-04	5.65E-04	4.19E-05	1.88E-04	3.12E-04	1.03E-05
4546	742105.92	4110174.74	2.28E-03	4.16E-03	2.28E-04	3.54E-04	6.82E-04	3.42E-05	3.44E-04	5.87E-04	4.35E-05	1.95E-04	3.23E-04	1.07E-05
4547	742126.03	4110161.25	2.35E-03	4.28E-03	2.35E-04	3.64E-04	7.02E-04	3.53E-05	3.54E-04	6.04E-04	4.48E-05	2.01E-04	3.33E-04	1.10E-05
4548	742146.14	4110147.75	2.41E-03	4.39E-03	2.41E-04	3.74E-04	7.20E-04	3.62E-05	3.63E-04	6.19E-04	4.59E-05	2.06E-04	3.42E-04	1.13E-05
4549	742166.25	4110134.26	2.46E-03	4.48E-03	2.46E-04	3.82E-04	7.35E-04	3.69E-05	3.71E-04	6.33E-04	4.69E-05	2.11E-04	3.49E-04	1.16E-05
4550	742186.36	4110120.77	2.50E-03	4.56E-03	2.50E-04	3.88E-04	7.47E-04	3.75E-05	3.77E-04	6.43E-04	4.77E-05	2.14E-04	3.55E-04	1.18E-05
4551	742206.47	4110107.28	2.52E-03	4.60E-03	2.52E-04	3.91E-04	7.54E-04	3.79E-05	3.80E-04	6.49E-04	4.81E-05	2.16E-04	3.58E-04	1.19E-05
4552	742226.58	4110093.78	2.52E-03	4.59E-03	2.52E-04	3.91E-04	7.53E-04	3.78E-05	3.80E-04	6.48E-04	4.81E-05	2.16E-04	3.58E-04	1.19E-05
4553	741967.42	4110306.12	1.25E-03	2.27E-03	1.25E-04	1.94E-04	3.73E-04	1.87E-05	1.88E-04	3.21E-04	2.38E-05	1.07E-04	1.77E-04	5.86E-06
4554	741944.57	4110310.57	1.27E-03	2.32E-03	1.27E-04	1.97E-04	3.80E-04	1.91E-05	1.92E-04	3.27E-04	2.42E-05	1.09E-04	1.80E-04	5.98E-06
4555	741921.72	4110315.03	1.28E-03	2.33E-03	1.28E-04	1.99E-04	3.83E-04	1.92E-05	1.93E-04	3.29E-04	2.44E-05	1.10E-04	1.82E-04	6.02E-06
4556	741879.71	4110306.25	1.40E-03	2.55E-03	1.40E-04	2.17E-04	4.18E-04	2.10E-05	2.11E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.57E-06
4557	741860.56	4110293.02	1.53E-03	2.78E-03	1.53E-04	2.37E-04	4.56E-04	2.29E-05	2.30E-04	3.92E-04	2.91E-05	1.31E-04	2.16E-04	7.18E-06
4558	741841.4	4110279.79	1.66E-03	3.03E-03	1.66E-04	2.58E-04	4.96E-04	2.49E-05	2.51E-04	4.27E-04	3.17E-05	1.42E-04	2.36E-04	7.81E-06
4559	741822.25	4110266.56	1.81E-03	3.30E-03	1.81E-04	2.81E-04	5.40E-04	2.71E-05	2.73E-04	4.65E-04	3.45E-05	1.55E-04	2.56E-04	8.50E-06
4560	742013.12	4110297.21	1.17E-03	2.14E-03	1.17E-04	1.82E-04	3.51E-04	1.76E-05	1.77E-04	3.02E-04	2.24E-05	1.01E-04	1.66E-04	5.52E-06
4561	742033.23	4110283.72	1.21E-03	2.21E-03	1.21E-04	1.88E-04	3.62E-04	1.82E-05	1.83E-04	3.11E-04	2.31E-05	1.04E-04	1.72E-04	5.69E-06
4562	742053.34	4110270.23	1.26E-03	2.29E-03	1.26E-04	1.95E-04	3.75E-04	1.88E-05	1.89E-04	3.23E-04	2.39E-05	1.08E-04	1.78E-04	5.90E-06
4563	742073.45	4110256.74	1.30E-03	2.38E-03	1.30E-04	2.02E-04	3.89E-04	1.96E-05	1.97E-04	3.35E-04	2.48E-05	1.12E-04	1.85E-04	6.13E-06
4564	742093.56	4110243.24	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.03E-05	2.04E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.35E-06
4565	742113.67	4110229.75	1.40E-03	2.54E-03	1.40E-04	2.16E-04	4.17E-04	2.09E-05	2.10E-04	3.59E-04	2.66E-05	1.20E-04	1.98E-04	6.56E-06
4566	742133.78	4110216.26	1.44E-03	2.62E-03	1.44E-04	2.23E-04	4.29E-04	2.15E-05	2.16E-04	3.69E-04	2.73E-05	1.23E-04	2.03E-04	6.74E-06
4567	742153.89	4110202.77	1.47E-03	2.67E-03	1.47E-04	2.28E-04	4.39E-04	2.20E-05	2.21E-04	3.77E-04	2.80E-05	1.26E-04	2.08E-04	6.90E-06
4568	742174	4110189.27	1.50E-03	2.72E-03	1.50E-04	2.32E-04	4.47E-04	2.24E-05	2.25E-04	3.84E-04	2.85E-05	1.28E-04	2.12E-04	7.03E-06
4569	742194.11	4110175.78	1.52E-03	2.77E-03	1.52E-04	2.36E-04	4.54E-04	2.28E-05	2.29E-04	3.91E-04	2.90E-05	1.30E-04	2.16E-04	7.14E-06
4570	742214.22	4110162.29	1.54E-03	2.81E-03	1.54E-04	2.39E-04	4.60E-04	2.31E-05	2.32E-04	3.96E-04	2.93E-05	1.32E-04	2.18E-04	7.24E-06
4571	742234.33	4110148.8	1.55E-03	2.82E-03	1.55E-04	2.40E-04	4.63E-04	2.33E-05	2.34E-04	3.98E-04	2.95E-05	1.33E-04	2.20E-04	7.28E-06
4572	742254.44	4110135.3	1.55E-03	2.82E-03	1.55E-04	2.40E-04	4.63E-04	2.32E-05	2.34E-04	3.98E-04	2.95E-05	1.33E-04	2.20E-04	7.28E-06
4573	742274.55	4110121.81	1.54E-03	2.81E-03	1.54E-04	2.39E-04	4.60E-04	2.31E-05	2.32E-04	3.96E-04	2.93E-05	1.32E-04	2.18E-04	7.24E-06
4574	741975.69	4110351.46	9.39E-04	1.71E-03	9.40E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.41E-04	1.79E-05	8.05E-05	1.33E-04	4.41E-06
4575	741932.17	4110359.94	9.70E-04	1.77E-03	9.70E-05	1.50E-04	2.90E-04	1.46E-05	1.46E-04	2.49E-04	1.85E-05	8.31E-05	1.38E-04	4.56E-06
4576	741870.4	4110355.82	1.04E-03	1.89E-03	1.04E-04	1.61E-04	3.10E-04	1.56E-05	1.56E-04	2.67E-04	1.98E-05	8.89E-05	1.47E-04	4.87E-06
4577	741833.91	4110330.62	1.18E-03	2.15E-03	1.18E-04	1.83E-04	3.53E-04	1.77E-05	1.78E-04	3.04E-04	2.25E-05	1.01E-04	1.68E-04	5.56E-06
4578	741797.43	4110305.42	1.35E-03	2.46E-03	1.35E-04	2.09E-04	4.03E-04	2.02E-05	2.03E-04	3.47E-04	2.57E-05	1.16E-04	1.91E-04	6.34E-06
4579	742061.09	4110325.24	8.74E-04	1.59E-03	8.74E-05	1.36E-04	2.61E-04	1.31E-05	1.32E-04	2.25E-04	1.67E-05	7.49E-05	1.24E-04	4.11E-06
4580	742081.2	4110311.75	8.94E-04	1.63E-03	8.95E-05	1.39E-04	2.67E-04	1.34E-05	1.35E-04	2.30E-04	1.70E-05	7.66E-05	1.27E-04	4.20E-06
4581	742101.31	4110298.26	9.18E-04	1.67E-03	9.19E-05	1.42E-04	2.74E-04	1.38E-05	1.38E-04	2.36E-04	1.75E-05	7.87E-05	1.30E-04	4.31E-06
4582	742121.42	4110284.76	9.42E-04	1.72E-03	9.43E-05	1.46E-04	2.81E-04	1.41E-05	1.42E-04	2.42E-04	1.80E-05	8.07E-05	1.34E-04	4.43E-06
4583	742141.53	4110271.27	9.64E-04	1.76E-03	9.65E-05	1.50E-04	2.88E-04	1.45E-05	1.45E-04	2.48E-04	1.84E-05	8.26E-05	1.37E-04	4.53E-06
4584	742161.64	4110257.78	9.83E-04	1.79E-03	9.84E-05	1.52E-04	2.94E-04	1.48E-05	1.48E-04	2.53E-04	1.87E-05	8.42E-05	1.39E-04	4.62E-06
4585	742181.75	4110244.29	9.98E-04	1.82E-03	9.99E-05	1.55E-04	2.98E-04	1.50E-05	1.51E-04	2.57E-04	1.90E-05	8.56E-05	1.42E-04	4.69E-06
4586	742201.86	4110230.79	1.01E-03	1.84E-03	1.01E-04	1.57E-04	3.02E-04	1.52E-05	1.53E-04	2.60E-04	1.93E-05	8.67E-05	1.44E-04	4.76E-06
4587	742221.97	4110217.3	1.03E-03	1.87E-03	1.03E-04	1.59E-04	3.07E-04	1.54E-05	1.55E-04	2.64E-04	1.96E-05	8.80E-05	1.46E-04	4.82E-06
4588	742242.08	4110203.81	1.04E-03	1.89E-03	1.04E-04	1.61E-04	3.11E-04	1.56E-05	1.57E-04	2.67E-04	1.98E-05	8.91E-05	1.47E-04	4.89E-06
4589	742262.19	4110190.32	1.05E-03	1.91E-03	1.05E-04	1.63E-04	3.13E-04	1.57E-05	1.58E-04	2.70E-04	2.00E-05	8.99E-05	1.49E-04	4.93E-06
4590	742282.3	4110176.83	1.05E-03	1.92E-03	1.06E-04	1.64E-04	3.15E-04	1.58E-05	1.59E-04	2.71E-04	2.01E-05	9.04E-05	1.50E-04	4.96E-06
4591	742302.41	4110163.33	1.06E-03	1.92E-03	1.06E-04	1.64E-04	3.15E-04	1.58E-05	1.59E-04	2.71E-04	2.01E-05	9.04E-05	1.50E-04	4.96E-06
4592	742005.36	4110392.62	7.19E-04	1.31E-03	7.20E-05	1.12E-04	2.15E-04	1.08E-05	1.08E-04	1.85E-04	1.37E-05	6.16E-05	1.02E-04	3.38E-06
4593	741963.05	4110400.87	7.54E-04	1.37E-03	7.54E-05	1.17E-04	2.25E-04	1.13E-05	1.14E-04	1.94E-04	1.44E-05	6.46E-05	1.07E-04	3.54E-06
4594	741920.73	4110409.12	7.69E-04	1.40E-03	7.70E-05	1.19E-04	2.30E-04	1.15E-05	1.16E-04	1.98E-04	1.47E-05	6.59E-05	1.09E-04	3.62E-06
4595	741860.68	4110405.11	8.10E-04	1.48E-03	8.11E-05	1.26E-04	2.42E-04	1.22E-05	1.22E-04	2.08E-04	1.54E-05	6.94E-05	1.15E-04	3.81E-06

4596	741825.21	4110380.61	9.00E-04	1.64E-03	9.01E-05	1.40E-04	2.69E-04	1.35E-05	1.36E-04	2.31E-04	1.72E-05	7.72E-05	1.28E-04	4.23E-06
4597	741789.73	4110356.11	9.96E-04	1.82E-03	9.97E-05	1.55E-04	2.98E-04	1.50E-05	1.50E-04	2.56E-04	1.90E-05	8.54E-05	1.41E-04	4.68E-06
4598	741754.26	4110331.61	1.12E-03	2.03E-03	1.12E-04	1.73E-04	3.33E-04	1.67E-05	1.68E-04	2.87E-04	2.13E-05	9.56E-05	1.58E-04	5.24E-06
4599	742088.95	4110366.76	6.58E-04	1.20E-03	6.59E-05	1.02E-04	1.97E-04	9.88E-06	9.93E-05	1.69E-04	1.25E-05	5.64E-05	9.33E-05	3.09E-06
4600	742109.06	4110353.27	6.66E-04	1.21E-03	6.67E-05	1.03E-04	1.99E-04	1.00E-05	1.00E-04	1.71E-04	1.27E-05	5.71E-05	9.45E-05	3.13E-06
4601	742129.17	4110339.78	6.78E-04	1.24E-03	6.78E-05	1.05E-04	2.03E-04	1.02E-05	1.02E-04	1.74E-04	1.29E-05	5.81E-05	9.61E-05	3.19E-06
4602	742149.28	4110326.28	6.91E-04	1.26E-03	6.91E-05	1.07E-04	2.06E-04	1.04E-05	1.04E-04	1.78E-04	1.32E-05	5.92E-05	9.80E-05	3.25E-06
4603	742169.39	4110312.79	7.03E-04	1.28E-03	7.04E-05	1.09E-04	2.10E-04	1.06E-05	1.06E-04	1.81E-04	1.34E-05	6.03E-05	9.97E-05	3.31E-06
4604	742189.5	4110299.3	7.14E-04	1.30E-03	7.14E-05	1.11E-04	2.13E-04	1.07E-05	1.08E-04	1.83E-04	1.36E-05	6.12E-05	1.01E-04	3.35E-06
4605	742209.61	4110285.81	7.22E-04	1.31E-03	7.22E-05	1.12E-04	2.16E-04	1.08E-05	1.09E-04	1.85E-04	1.37E-05	6.18E-05	1.02E-04	3.39E-06
4606	742229.72	4110272.32	7.29E-04	1.33E-03	7.29E-05	1.13E-04	2.18E-04	1.09E-05	1.10E-04	1.87E-04	1.39E-05	6.24E-05	1.03E-04	3.42E-06
4607	742249.83	4110258.82	7.36E-04	1.34E-03	7.37E-05	1.14E-04	2.20E-04	1.11E-05	1.11E-04	1.89E-04	1.40E-05	6.31E-05	1.04E-04	3.46E-06
4608	742269.94	4110245.33	7.46E-04	1.36E-03	7.47E-05	1.16E-04	2.23E-04	1.12E-05	1.13E-04	1.92E-04	1.42E-05	6.39E-05	1.06E-04	3.51E-06
4609	742290.05	4110231.84	7.57E-04	1.38E-03	7.57E-05	1.17E-04	2.26E-04	1.14E-05	1.14E-04	1.95E-04	1.44E-05	6.49E-05	1.07E-04	3.56E-06
4610	742310.16	4110218.35	7.67E-04	1.40E-03	7.67E-05	1.19E-04	2.29E-04	1.15E-05	1.16E-04	1.97E-04	1.46E-05	6.57E-05	1.09E-04	3.60E-06
4611	742330.27	4110204.85	7.73E-04	1.41E-03	7.73E-05	1.20E-04	2.31E-04	1.16E-05	1.17E-04	1.99E-04	1.47E-05	6.62E-05	1.10E-04	3.63E-06
4612	742050.99	4110430.68	5.51E-04	1.00E-03	5.51E-05	8.54E-05	1.64E-04	8.26E-06	8.30E-05	1.42E-04	1.05E-05	4.72E-05	7.81E-05	2.59E-06
4613	742028.14	4110435.13	5.70E-04	1.04E-03	5.71E-05	8.84E-05	1.70E-04	8.56E-06	8.60E-05	1.47E-04	1.09E-05	4.89E-05	8.09E-05	2.68E-06
4614	742005.29	4110439.59	5.89E-04	1.07E-03	5.90E-05	9.14E-05	1.76E-04	8.85E-06	8.89E-05	1.52E-04	1.12E-05	5.05E-05	8.36E-05	2.77E-06
4615	741982.44	4110444.04	6.06E-04	1.10E-03	6.06E-05	9.39E-05	1.81E-04	9.09E-06	9.14E-05	1.56E-04	1.15E-05	5.19E-05	8.59E-05	2.85E-06
4616	741959.59	4110448.49	6.18E-04	1.13E-03	6.18E-05	9.58E-05	1.85E-04	9.27E-06	9.31E-05	1.59E-04	1.18E-05	5.29E-05	8.76E-05	2.90E-06
4617	741936.74	4110452.95	6.25E-04	1.14E-03	6.25E-05	9.69E-05	1.87E-04	9.38E-06	9.43E-05	1.61E-04	1.19E-05	5.36E-05	8.86E-05	2.94E-06
4618	741913.89	4110457.4	6.29E-04	1.15E-03	6.29E-05	9.75E-05	1.88E-04	9.43E-06	9.48E-05	1.62E-04	1.20E-05	5.39E-05	8.91E-05	2.95E-06
4619	741891.04	4110461.85	6.29E-04	1.15E-03	6.29E-05	9.75E-05	1.88E-04	9.43E-06	9.48E-05	1.62E-04	1.20E-05	5.39E-05	8.91E-05	2.95E-06
4620	741849.03	4110453.08	6.60E-04	1.20E-03	6.60E-05	1.02E-04	1.97E-04	9.90E-06	9.95E-05	1.70E-04	1.26E-05	5.65E-05	9.35E-05	3.10E-06
4621	741829.88	4110439.85	6.93E-04	1.26E-03	6.94E-05	1.07E-04	2.07E-04	1.04E-05	1.05E-04	1.78E-04	1.32E-05	5.94E-05	9.83E-05	3.26E-06
4622	741810.72	4110426.61	7.25E-04	1.32E-03	7.26E-05	1.12E-04	2.17E-04	1.09E-05	1.09E-04	1.86E-04	1.38E-05	6.21E-05	1.03E-04	3.41E-06
4623	741791.57	4110413.38	7.57E-04	1.38E-03	7.57E-05	1.17E-04	2.26E-04	1.14E-05	1.14E-04	1.95E-04	1.44E-05	6.49E-05	1.07E-04	3.56E-06
4624	741772.41	4110400.15	7.92E-04	1.44E-03	7.93E-05	1.23E-04	2.37E-04	1.19E-05	1.19E-04	2.04E-04	1.51E-05	6.79E-05	1.12E-04	3.72E-06
4625	741753.26	4110386.92	8.33E-04	1.52E-03	8.34E-05	1.29E-04	2.49E-04	1.25E-05	1.26E-04	2.14E-04	1.59E-05	7.14E-05	1.18E-04	3.92E-06
4626	741734.1	4110373.69	8.81E-04	1.60E-03	8.81E-05	1.37E-04	2.63E-04	1.32E-05	1.33E-04	2.26E-04	1.68E-05	7.54E-05	1.25E-04	4.14E-06
4627	741714.94	4110360.46	9.32E-04	1.70E-03	9.32E-05	1.45E-04	2.78E-04	1.40E-05	1.41E-04	2.40E-04	1.78E-05	7.99E-05	1.32E-04	4.38E-06
4628	741695.79	4110347.23	9.85E-04	1.79E-03	9.85E-05	1.53E-04	2.94E-04	1.48E-05	1.48E-04	2.53E-04	1.88E-05	8.44E-05	1.40E-04	4.63E-06
4629	742096.69	4110421.77	5.10E-04	9.30E-04	5.11E-05	7.91E-05	1.52E-04	7.66E-06	7.69E-05	1.31E-04	9.72E-06	4.37E-05	7.23E-05	2.40E-06
4630	742116.8	4110408.28	5.11E-04	9.31E-04	5.11E-05	7.92E-05	1.53E-04	7.67E-06	7.70E-05	1.31E-04	9.74E-06	4.38E-05	7.24E-05	2.40E-06
4631	742136.91	4110394.79	5.13E-04	9.35E-04	5.13E-05	7.96E-05	1.53E-04	7.70E-06	7.74E-05	1.32E-04	9.78E-06	4.40E-05	7.27E-05	2.41E-06
4632	742157.02	4110381.3	5.18E-04	9.45E-04	5.19E-05	8.04E-05	1.55E-04	7.78E-06	7.82E-05	1.33E-04	9.88E-06	4.44E-05	7.35E-05	2.44E-06
4633	742177.13	4110367.81	5.26E-04	9.59E-04	5.26E-05	8.16E-05	1.57E-04	7.90E-06	7.93E-05	1.35E-04	1.00E-05	4.51E-05	7.46E-05	2.47E-06
4634	742197.24	4110354.31	5.34E-04	9.74E-04	5.35E-05	8.29E-05	1.60E-04	8.02E-06	8.06E-05	1.37E-04	1.02E-05	4.58E-05	7.58E-05	2.51E-06
4635	742217.35	4110340.82	5.41E-04	9.86E-04	5.42E-05	8.40E-05	1.62E-04	8.13E-06	8.16E-05	1.39E-04	1.03E-05	4.64E-05	7.68E-05	2.54E-06
4636	742237.46	4110327.33	5.47E-04	9.96E-04	5.47E-05	8.48E-05	1.63E-04	8.20E-06	8.24E-05	1.41E-04	1.04E-05	4.68E-05	7.75E-05	2.57E-06
4637	742257.57	4110313.84	5.50E-04	1.00E-03	5.51E-05	8.53E-05	1.64E-04	8.26E-06	8.30E-05	1.41E-04	1.05E-05	4.71E-05	7.80E-05	2.59E-06
4638	742277.68	4110300.34	5.55E-04	1.01E-03	5.55E-05	8.61E-05	1.66E-04	8.33E-06	8.37E-05	1.43E-04	1.06E-05	4.76E-05	7.87E-05	2.61E-06
4639	742297.79	4110286.85	5.62E-04	1.02E-03	5.63E-05	8.72E-05	1.68E-04	8.44E-06	8.48E-05	1.45E-04	1.07E-05	4.82E-05	7.97E-05	2.64E-06
4640	742317.9	4110273.36	5.72E-04	1.04E-03	5.72E-05	8.87E-05	1.71E-04	8.58E-06	8.62E-05	1.47E-04	1.09E-05	4.90E-05	8.11E-05	2.69E-06
4641	742338.01	4110259.87	5.82E-04	1.06E-03	5.82E-05	9.02E-05	1.74E-04	8.73E-06	8.77E-05	1.50E-04	1.11E-05	4.99E-05	8.25E-05	2.73E-06
4642	742358.12	4110246.37	5.90E-04	1.08E-03	5.91E-05	9.16E-05	1.76E-04	8.86E-06	8.90E-05	1.52E-04	1.13E-05	5.06E-05	8.37E-05	2.77E-06
4643	742105.54	4110513.95	3.61E-04	6.58E-04	3.61E-05	5.60E-05	1.08E-04	5.42E-06	5.45E-05	9.28E-05	6.88E-06	3.09E-05	5.12E-05	1.70E-06
4644	742082.1	4110518.52	3.74E-04	6.82E-04	3.75E-05	5.81E-05	1.12E-04	5.62E-06	5.65E-05	9.63E-05	7.14E-06	3.21E-05	5.31E-05	1.76E-06
4645	742058.66	4110523.09	3.89E-04	7.08E-04	3.89E-05	6.03E-05	1.16E-04	5.83E-06	5.86E-05	9.99E-05	7.41E-06	3.33E-05	5.51E-05	1.83E-06
4646	742035.23	4110527.65	4.04E-04	7.35E-04	4.04E-05	6.26E-05	1.21E-04	6.06E-06	6.08E-05	1.04E-04	7.69E-06	3.46E-05	5.72E-05	1.90E-06
4647	742011.79	4110532.22	4.18E-04	7.61E-04	4.18E-05	6.48E-05	1.25E-04	6.27E-06	6.30E-05	1.07E-04	7.96E-06	3.58E-05	5.92E-05	1.96E-06
4648	741988.35	4110536.79	4.30E-04	7.83E-04	4.30E-05	6.66E-05	1.28E-04	6.45E-06	6.48E-05	1.10E-04	8.19E-06	3.68E-05	6.09E-05	2.02E-06
4649	741964.92	4110541.36	4.38E-04	7.99E-04	4.39E-05	6.80E-05	1.31E-04	6.58E-06	6.61E-05	1.13E-04	8.36E-06	3.76E-05	6.22E-05	2.06E-06
4650	741941.48	4110545.92	4.44E-04	8.10E-04	4.45E-05	6.89E-05	1.33E-04	6.67E-06	6.70E-05	1.14E-04	8.47E-06	3.81E-05	6.30E-05	2.09E-06
4651	741918.04	4110550.49	4.48E-04	8.16E-04	4.48E-05	6.95E-05	1.34E-04	6.72E-06	6.75E-05	1.15E-04	8.54E-06	3.84E-05	6.35E-05	2.11E-06
4652	741894.61	4110555.06	4.49E-04	8.19E-04	4.50E-05	6.97E-05	1.34E-04	6.75E-06	6.78E-05	1.16E-04	8.57E-06	3.85E-05	6.37E-05	2.11E-06
4653	741871.17	4110559.63	4.49E-04	8.18E-04	4.49E-05	6.96E-05	1.34E-04	6.73E-06	6.77E-05	1.15E-04	8.55E-06	3.84E-05	6.36E-05	2.11E-06
4654	741828.09	4110550.62	4.65E-04	8.48E-04	4.65E-05	7.21E-05	1.39E-04	6.98E-06	7.02E-05	1.20E-04	8.87E-06	3.99E-05	6.60E-05	2.19E-06
4655	741808.44	4110537.05	4.84E-04	8.81E-04	4.84E-05	7.50E-05	1.44E-04	7.26E-06	7.29E-05	1.24E-04	9.22E-06	4.14E-05	6.86E-05	2.27E-06
4656	741788.79	4110523.48	5.01E-04	9.13E-04	5.01E-05	7.77E-05	1.50E-04	7.52E-06	7.55E-05	1.29E-04	9.55E-06	4.29E-05	7.10E-05	2.35E-06
4657	741769.15	4110509.91	5.17E-04	9.42E-04	5.17E-05	8.02E-05	1.54E-04	7.76E-06	7.80E-05	1.33E-04	9.85E-06	4.43E-05	7.33E-05	2.43E-06
4658	741749.5	4110496.34	5.33E-04	9.71E-04	5.33E-05	8.26E-05	1.59E-04	8.00E-06	8.04E-05	1.37E-04	1.02E-05	4.57E-05	7.56E-05	2.50E-06
4659	741729.85	4110482.77	5.51E-04	1.00E-03	5.51E-05	8.54E-05	1.65E-04	8.27E-06	8.31E-05	1.42E-04	1.05E-05	4.72E-05	7.81E-05	2.59E-06
4660	741710.21	4110469.2	5.73E-04	1.04E-03	5.73E-05	8.88E-05	1.71E-04	8.59E-06	8.64E-05	1.47E-04	1.09E-05	4.91E-05	8.12E-05	2.69E-06
4661	741690.56	4110455.63	5.99E-04	1.09E-03	5.99E-05	9.29E-05	1.79E-04	8.99E-06	9.03E-05	1.54E-04	1.14E-05	5.13E-05	8.49E-05	2.81E-06
4662	741670.91	4110442.06	6.29E-04	1.15E-03	6.29E-05	9.75E-05	1.88E-04	9.44E-06	9.48E-05	1.62E-04	1.20E-05	5.39E-05	8.92E-05	2.96E-06
4663	741651.27	4110428.49	6.62E-04	1.21E-03	6.63E-05	1.03E-04	1.98E-04	9.94E-06	9.99E-05	1.70E-04	1.26E-05	5.68E-05	9.39E-05	3.11E-06
4664	741631.62	4110414.92	6.98E-04	1.27E-03	6.99E-05	1.08E-04	2.09E-04	1.05E-05	1.05E-04	1.80E-04	1.33E-05	5.98E-05	9.90E-05	3.28E-06
4665	741611.98	4110401.35	7.33E-04	1.34E-03	7.34E-05	1.14E-04	2.19E-04	1.10E-05	1.11E-04	1.89E-04	1.40E-05	6.28E-05	1.04E-04	3.45E-06
4666	742152.41	4110504.82	3.34E-04	6.08E-04	3.34E-05	5.17E-05	9.97E-05	5.01E-06	5.03E-05	8.58E-05	6.36E-06	2.86E-05	4.73E-05	1.57E-06
4667	742172.52	4110491.32	3.30E-04	6.02E-04	3.31E-05	5.12E-05	9.87E-05	4.96E-06	4.98E-05	8.49E-05	6.30E-06	2.83E-05	4.68E-05	1.55E-06
4668	742192.63	4110477.83	3.28E-04	5.98E-04	3.28E-05	5.09E-05	9.80E-05	4.92E-06	4.95E-05	8.43E-05	6.25E-06	2.81E-05	4.65E-05	1.54E-06

4669	742212.74	4110464.34	3.28E-04	5.98E-04	3.29E-05	5.09E-05	9.81E-05	4.93E-06	4.95E-05	8.44E-05	6.26E-06	2.81E-05	4.66E-05	1.54E-06
4670	742232.85	4110450.85	3.32E-04	6.05E-04	3.32E-05	5.15E-05	9.91E-05	4.98E-06	5.00E-05	8.53E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
4671	742252.96	4110437.35	3.38E-04	6.15E-04	3.38E-05	5.24E-05	1.01E-04	5.07E-06	5.09E-05	8.68E-05	6.43E-06	2.89E-05	4.79E-05	1.59E-06
4672	742273.07	4110423.86	3.44E-04	6.26E-04	3.44E-05	5.33E-05	1.03E-04	5.16E-06	5.18E-05	8.83E-05	6.55E-06	2.94E-05	4.87E-05	1.61E-06
4673	742293.18	4110410.37	3.48E-04	6.34E-04	3.48E-05	5.40E-05	1.04E-04	5.22E-06	5.25E-05	8.95E-05	6.63E-06	2.98E-05	4.93E-05	1.64E-06
4674	742313.29	4110396.88	3.51E-04	6.40E-04	3.51E-05	5.44E-05	1.05E-04	5.27E-06	5.29E-05	9.02E-05	6.69E-06	3.01E-05	4.98E-05	1.65E-06
4675	742333.4	4110383.39	3.53E-04	6.44E-04	3.53E-05	5.48E-05	1.06E-04	5.30E-06	5.33E-05	9.08E-05	6.73E-06	3.03E-05	5.01E-05	1.66E-06
4676	742353.51	4110369.89	3.56E-04	6.49E-04	3.56E-05	5.52E-05	1.06E-04	5.35E-06	5.37E-05	9.16E-05	6.79E-06	3.05E-05	5.05E-05	1.67E-06
4677	742373.62	4110356.4	3.61E-04	6.58E-04	3.61E-05	5.60E-05	1.08E-04	5.42E-06	5.44E-05	9.28E-05	6.88E-06	3.09E-05	5.12E-05	1.70E-06
4678	742393.73	4110342.91	3.68E-04	6.70E-04	3.68E-05	5.70E-05	1.10E-04	5.52E-06	5.54E-05	9.45E-05	7.01E-06	3.15E-05	5.21E-05	1.73E-06
4679	742413.84	4110329.42	3.75E-04	6.84E-04	3.75E-05	5.82E-05	1.12E-04	5.63E-06	5.66E-05	9.64E-05	7.15E-06	3.21E-05	5.32E-05	1.76E-06
4680	742163.32	4110596.59	2.53E-04	4.60E-04	2.53E-05	3.92E-05	7.55E-05	3.79E-06	3.81E-05	6.49E-05	4.81E-06	2.16E-05	3.58E-05	1.19E-06
4681	742140.92	4110600.96	2.61E-04	4.76E-04	2.61E-05	4.05E-05	7.81E-05	3.92E-06	3.94E-05	6.72E-05	4.98E-06	2.24E-05	3.70E-05	1.23E-06
4682	742118.51	4110605.32	2.70E-04	4.92E-04	2.70E-05	4.19E-05	8.06E-05	4.05E-06	4.07E-05	6.94E-05	5.14E-06	2.31E-05	3.83E-05	1.27E-06
4683	742096.11	4110609.69	2.79E-04	5.08E-04	2.79E-05	4.33E-05	8.33E-05	4.19E-06	4.21E-05	7.17E-05	5.32E-06	2.39E-05	3.96E-05	1.31E-06
4684	742073.71	4110614.05	2.89E-04	5.26E-04	2.89E-05	4.48E-05	8.63E-05	4.34E-06	4.36E-05	7.42E-05	5.50E-06	2.47E-05	4.10E-05	1.36E-06
4685	742051.3	4110618.42	2.99E-04	5.45E-04	2.99E-05	4.64E-05	8.94E-05	4.49E-06	4.51E-05	7.69E-05	5.70E-06	2.56E-05	4.24E-05	1.41E-06
4686	742028.9	4110622.79	3.09E-04	5.64E-04	3.10E-05	4.80E-05	9.24E-05	4.64E-06	4.67E-05	7.95E-05	5.90E-06	2.65E-05	4.39E-05	1.45E-06
4687	742006.5	4110627.15	3.18E-04	5.80E-04	3.19E-05	4.94E-05	9.51E-05	4.78E-06	4.80E-05	8.18E-05	6.07E-06	2.73E-05	4.51E-05	1.50E-06
4688	741984.1	4110631.52	3.26E-04	5.94E-04	3.26E-05	5.05E-05	9.73E-05	4.89E-06	4.91E-05	8.37E-05	6.21E-06	2.79E-05	4.62E-05	1.53E-06
4689	741961.69	4110635.88	3.32E-04	6.04E-04	3.32E-05	5.14E-05	9.90E-05	4.98E-06	5.00E-05	8.52E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
4690	741939.29	4110640.25	3.36E-04	6.12E-04	3.36E-05	5.21E-05	1.00E-04	5.04E-06	5.07E-05	8.64E-05	6.40E-06	2.88E-05	4.76E-05	1.58E-06
4691	741916.89	4110644.62	3.39E-04	6.19E-04	3.40E-05	5.26E-05	1.01E-04	5.10E-06	5.12E-05	8.73E-05	6.47E-06	2.91E-05	4.81E-05	1.60E-06
4692	741894.49	4110648.98	3.42E-04	6.23E-04	3.42E-05	5.30E-05	1.02E-04	5.13E-06	5.15E-05	8.78E-05	6.51E-06	2.93E-05	4.85E-05	1.61E-06
4693	741872.08	4110653.35	3.42E-04	6.24E-04	3.43E-05	5.31E-05	1.02E-04	5.14E-06	5.16E-05	8.80E-05	6.52E-06	2.93E-05	4.85E-05	1.61E-06
4694	741849.68	4110657.71	3.41E-04	6.22E-04	3.42E-05	5.29E-05	1.02E-04	5.12E-06	5.15E-05	8.78E-05	6.51E-06	2.93E-05	4.84E-05	1.60E-06
4695	741808.5	4110649.11	3.50E-04	6.38E-04	3.50E-05	5.43E-05	1.05E-04	5.25E-06	5.28E-05	9.00E-05	6.67E-06	3.00E-05	4.96E-05	1.65E-06
4696	741789.72	4110636.14	3.61E-04	6.57E-04	3.61E-05	5.59E-05	1.08E-04	5.41E-06	5.44E-05	9.27E-05	6.87E-06	3.09E-05	5.11E-05	1.69E-06
4697	741770.94	4110623.16	3.70E-04	6.75E-04	3.71E-05	5.74E-05	1.11E-04	5.56E-06	5.58E-05	9.52E-05	7.06E-06	3.17E-05	5.25E-05	1.74E-06
4698	741752.16	4110610.19	3.79E-04	6.91E-04	3.80E-05	5.88E-05	1.13E-04	5.70E-06	5.72E-05	9.75E-05	7.23E-06	3.25E-05	5.38E-05	1.78E-06
4699	741733.38	4110597.22	3.88E-04	7.07E-04	3.88E-05	6.01E-05	1.16E-04	5.82E-06	5.85E-05	9.97E-05	7.39E-06	3.32E-05	5.50E-05	1.82E-06
4700	741714.6	4110584.25	3.96E-04	7.22E-04	3.96E-05	6.14E-05	1.18E-04	5.94E-06	5.97E-05	1.02E-04	7.55E-06	3.39E-05	5.62E-05	1.86E-06
4701	741695.82	4110571.28	4.05E-04	7.38E-04	4.05E-05	6.28E-05	1.21E-04	6.08E-06	6.11E-05	1.04E-04	7.72E-06	3.47E-05	5.74E-05	1.90E-06
4702	741677.04	4110558.31	4.16E-04	7.58E-04	4.16E-05	6.45E-05	1.24E-04	6.24E-06	6.27E-05	1.07E-04	7.92E-06	3.56E-05	5.89E-05	1.95E-06
4703	741658.26	4110545.34	4.29E-04	7.82E-04	4.29E-05	6.65E-05	1.28E-04	6.44E-06	6.47E-05	1.10E-04	8.18E-06	3.68E-05	6.08E-05	2.02E-06
4704	741639.48	4110532.36	4.45E-04	8.11E-04	4.45E-05	6.90E-05	1.33E-04	6.68E-06	6.71E-05	1.14E-04	8.48E-06	3.81E-05	6.31E-05	2.09E-06
4705	741620.7	4110519.39	4.63E-04	8.44E-04	4.64E-05	7.19E-05	1.38E-04	6.95E-06	6.99E-05	1.19E-04	8.83E-06	3.97E-05	6.57E-05	2.18E-06
4706	741601.92	4110506.42	4.84E-04	8.82E-04	4.85E-05	7.51E-05	1.45E-04	7.27E-06	7.30E-05	1.24E-04	9.23E-06	4.15E-05	6.87E-05	2.28E-06
4707	741583.14	4110493.45	5.07E-04	9.24E-04	5.08E-05	7.87E-05	1.52E-04	7.61E-06	7.65E-05	1.30E-04	9.67E-06	4.35E-05	7.19E-05	2.38E-06
4708	741564.36	4110480.48	5.32E-04	9.69E-04	5.32E-05	8.25E-05	1.59E-04	7.98E-06	8.02E-05	1.37E-04	1.01E-05	4.56E-05	7.54E-05	2.50E-06
4709	741545.58	4110467.51	5.56E-04	1.01E-03	5.56E-05	8.62E-05	1.66E-04	8.34E-06	8.38E-05	1.43E-04	1.06E-05	4.76E-05	7.88E-05	2.61E-06
4710	741526.8	4110454.54	5.77E-04	1.05E-03	5.77E-05	8.94E-05	1.72E-04	8.66E-06	8.70E-05	1.48E-04	1.10E-05	4.94E-05	8.18E-05	2.71E-06
4711	742208.12	4110587.86	2.33E-04	4.25E-04	2.33E-05	3.62E-05	6.97E-05	3.50E-06	3.52E-05	5.99E-05	4.44E-06	2.00E-05	3.31E-05	1.10E-06
4712	742228.23	4110574.36	2.29E-04	4.18E-04	2.30E-05	3.56E-05	6.85E-05	3.44E-06	3.46E-05	5.90E-05	4.37E-06	1.97E-05	3.25E-05	1.08E-06
4713	742248.34	4110560.87	2.27E-04	4.13E-04	2.27E-05	3.52E-05	6.77E-05	3.40E-06	3.42E-05	5.83E-05	4.32E-06	1.94E-05	3.22E-05	1.07E-06
4714	742268.45	4110547.38	2.27E-04	4.13E-04	2.27E-05	3.51E-05	6.77E-05	3.40E-06	3.42E-05	5.82E-05	4.32E-06	1.94E-05	3.21E-05	1.06E-06
4715	742288.56	4110533.89	2.29E-04	4.18E-04	2.29E-05	3.56E-05	6.85E-05	3.44E-06	3.46E-05	5.90E-05	4.37E-06	1.97E-05	3.25E-05	1.08E-06
4716	742308.67	4110520.4	2.34E-04	4.27E-04	2.34E-05	3.63E-05	7.00E-05	3.52E-06	3.53E-05	6.02E-05	4.46E-06	2.01E-05	3.32E-05	1.10E-06
4717	742328.78	4110506.9	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.61E-05	6.16E-05	4.56E-06	2.05E-05	3.40E-05	1.13E-06
4718	742348.89	4110493.41	2.44E-04	4.44E-04	2.44E-05	3.78E-05	7.28E-05	3.66E-06	3.67E-05	6.26E-05	4.64E-06	2.09E-05	3.45E-05	1.14E-06
4719	742369	4110479.92	2.46E-04	4.49E-04	2.46E-05	3.82E-05	7.35E-05	3.69E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
4720	742389.11	4110466.43	2.48E-04	4.52E-04	2.48E-05	3.84E-05	7.40E-05	3.72E-06	3.74E-05	6.37E-05	4.72E-06	2.12E-05	3.51E-05	1.16E-06
4721	742409.22	4110452.93	2.50E-04	4.55E-04	2.50E-05	3.87E-05	7.46E-05	3.75E-06	3.76E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
4722	742429.33	4110439.44	2.53E-04	4.61E-04	2.53E-05	3.92E-05	7.55E-05	3.79E-06	3.81E-05	6.50E-05	4.82E-06	2.17E-05	3.58E-05	1.19E-06
4723	742449.44	4110425.95	2.57E-04	4.69E-04	2.57E-05	3.99E-05	7.69E-05	3.86E-06	3.88E-05	6.62E-05	4.90E-06	2.21E-05	3.65E-05	1.21E-06
4724	742469.55	4110412.46	2.63E-04	4.79E-04	2.63E-05	4.08E-05	7.85E-05	3.94E-06	3.96E-05	6.76E-05	5.01E-06	2.25E-05	3.73E-05	1.23E-06
4725	742218.14	4110679.81	1.86E-04	3.39E-04	1.86E-05	2.89E-05	5.57E-05	2.80E-06	2.81E-05	4.79E-05	3.55E-06	1.60E-05	2.64E-05	8.76E-07
4726	742195.29	4110684.26	1.93E-04	3.52E-04	1.93E-05	2.99E-05	5.77E-05	2.90E-06	2.91E-05	4.96E-05	3.68E-06	1.65E-05	2.74E-05	9.08E-07
4727	742172.44	4110688.71	2.00E-04	3.64E-04	2.00E-05	3.10E-05	5.96E-05	3.00E-06	3.01E-05	5.13E-05	3.80E-06	1.71E-05	2.83E-05	9.38E-07
4728	742149.58	4110693.17	2.06E-04	3.76E-04	2.06E-05	3.20E-05	6.16E-05	3.09E-06	3.11E-05	5.30E-05	3.93E-06	1.77E-05	2.92E-05	9.69E-07
4729	742126.73	4110697.62	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.19E-06	3.21E-05	5.47E-05	4.06E-06	1.82E-05	3.02E-05	1.00E-06
4730	742103.88	4110702.07	2.20E-04	4.01E-04	2.20E-05	3.41E-05	6.57E-05	3.30E-06	3.32E-05	5.66E-05	4.19E-06	1.89E-05	3.12E-05	1.03E-06
4731	742081.03	4110706.53	2.28E-04	4.15E-04	2.28E-05	3.53E-05	6.80E-05	3.42E-06	3.43E-05	5.85E-05	4.34E-06	1.95E-05	3.23E-05	1.07E-06
4732	742058.18	4110710.98	2.36E-04	4.29E-04	2.36E-05	3.65E-05	7.04E-05	3.53E-06	3.55E-05	6.05E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
4733	742035.33	4110715.43	2.43E-04	4.43E-04	2.43E-05	3.77E-05	7.26E-05	3.64E-06	3.66E-05	6.24E-05	4.63E-06	2.08E-05	3.44E-05	1.14E-06
4734	742012.48	4110719.89	2.49E-04	4.54E-04	2.49E-05	3.87E-05	7.45E-05	3.74E-06	3.76E-05	6.41E-05	4.75E-06	2.14E-05	3.53E-05	1.17E-06
4735	741989.63	4110724.34	2.55E-04	4.64E-04	2.55E-05	3.95E-05	7.61E-05	3.82E-06	3.84E-05	6.55E-05	4.85E-06	2.18E-05	3.61E-05	1.20E-06
4736	741966.78	4110728.79	2.59E-04	4.73E-04	2.59E-05	4.02E-05	7.75E-05	3.89E-06	3.91E-05	6.67E-05	4.94E-06	2.22E-05	3.68E-05	1.22E-06
4737	741943.93	4110733.24	2.63E-04	4.80E-04	2.64E-05	4.08E-05	7.87E-05	3.95E-06	3.97E-05	6.77E-05	5.02E-06	2.26E-05	3.73E-05	1.24E-06
4738	741921.08	4110737.7	2.67E-04	4.86E-04	2.67E-05	4.14E-05	7.98E-05	4.01E-06	4.03E-05	6.86E-05	5.09E-06	2.29E-05	3.79E-05	1.25E-06
4739	741898.23	4110742.15	2.70E-04	4.92E-04	2.70E-05	4.18E-05	8.06E-05	4.05E-06	4.07E-05	6.94E-05	5.14E-06	2.31E-05	3.83E-05	1.27E-06
4740	741875.38	4110746.6	2.72E-04	4.95E-04	2.72E-05	4.21E-05	8.12E-05	4.08E-06	4.10E-05	6.98E-05	5.18E-06	2.33E-05	3.85E-05	1.28E-06
4741	741852.53	4110751.06	2.72E-04	4.96E-04	2.72E-05	4.22E-05	8.13E-05	4.09E-06	4.10E-05	7.00E-05	5.19E-06	2.33E-05	3.86E-05	1.28E-06

4742	741829.68	4110755.51	2.71E-04	4.95E-04	2.72E-05	4.21E-05	8.11E-05	4.07E-06	4.09E-05	6.98E-05	5.17E-06	2.33E-05	3.85E-05	1.28E-06
4743	741787.67	4110746.73	2.77E-04	5.05E-04	2.77E-05	4.29E-05	8.27E-05	4.16E-06	4.18E-05	7.12E-05	5.28E-06	2.37E-05	3.93E-05	1.30E-06
4744	741768.51	4110733.5	2.84E-04	5.17E-04	2.84E-05	4.40E-05	8.48E-05	4.26E-06	4.28E-05	7.29E-05	5.41E-06	2.43E-05	4.02E-05	1.33E-06
4745	741749.36	4110720.27	2.90E-04	5.29E-04	2.90E-05	4.50E-05	8.67E-05	4.35E-06	4.38E-05	7.46E-05	5.53E-06	2.49E-05	4.11E-05	1.36E-06
4746	741730.2	4110707.04	2.96E-04	5.39E-04	2.96E-05	4.59E-05	8.84E-05	4.44E-06	4.46E-05	7.61E-05	5.64E-06	2.54E-05	4.20E-05	1.39E-06
4747	741711.05	4110693.81	3.01E-04	5.49E-04	3.01E-05	4.67E-05	9.00E-05	4.52E-06	4.54E-05	7.74E-05	5.74E-06	2.58E-05	4.27E-05	1.42E-06
4748	741691.89	4110680.58	3.06E-04	5.57E-04	3.06E-05	4.74E-05	9.14E-05	4.59E-06	4.61E-05	7.86E-05	5.83E-06	2.62E-05	4.34E-05	1.44E-06
4749	741672.74	4110667.35	3.11E-04	5.66E-04	3.11E-05	4.82E-05	9.28E-05	4.66E-06	4.69E-05	7.99E-05	5.92E-06	2.66E-05	4.41E-05	1.46E-06
4750	741653.58	4110654.12	3.16E-04	5.76E-04	3.16E-05	4.90E-05	9.45E-05	4.75E-06	4.77E-05	8.13E-05	6.03E-06	2.71E-05	4.48E-05	1.49E-06
4751	741634.43	4110640.89	3.23E-04	5.89E-04	3.23E-05	5.01E-05	9.65E-05	4.85E-06	4.87E-05	8.30E-05	6.15E-06	2.77E-05	4.58E-05	1.52E-06
4752	741615.27	4110627.66	3.32E-04	6.04E-04	3.32E-05	5.14E-05	9.91E-05	4.98E-06	5.00E-05	8.52E-05	6.32E-06	2.84E-05	4.70E-05	1.56E-06
4753	741596.12	4110614.43	3.42E-04	6.23E-04	3.42E-05	5.31E-05	1.02E-04	5.13E-06	5.16E-05	8.79E-05	6.52E-06	2.93E-05	4.85E-05	1.61E-06
4754	741576.96	4110601.19	3.54E-04	6.46E-04	3.55E-05	5.50E-05	1.06E-04	5.32E-06	5.34E-05	9.11E-05	6.75E-06	3.04E-05	5.03E-05	1.67E-06
4755	741557.81	4110587.96	3.68E-04	6.71E-04	3.69E-05	5.71E-05	1.10E-04	5.53E-06	5.56E-05	9.47E-05	7.02E-06	3.16E-05	5.22E-05	1.73E-06
4756	741538.65	4110574.73	3.84E-04	7.00E-04	3.84E-05	5.96E-05	1.15E-04	5.77E-06	5.79E-05	9.87E-05	7.32E-06	3.29E-05	5.45E-05	1.81E-06
4757	741519.49	4110561.5	4.01E-04	7.31E-04	4.02E-05	6.22E-05	1.20E-04	6.02E-06	6.05E-05	1.03E-04	7.65E-06	3.44E-05	5.69E-05	1.89E-06
4758	741500.34	4110548.27	4.19E-04	7.64E-04	4.20E-05	6.50E-05	1.25E-04	6.29E-06	6.32E-05	1.08E-04	7.99E-06	3.59E-05	5.95E-05	1.97E-06
4759	741481.18	4110535.04	4.37E-04	7.97E-04	4.37E-05	6.78E-05	1.31E-04	6.56E-06	6.59E-05	1.12E-04	8.33E-06	3.75E-05	6.20E-05	2.05E-06
4760	741462.03	4110521.81	4.54E-04	8.27E-04	4.54E-05	7.03E-05	1.36E-04	6.81E-06	6.84E-05	1.17E-04	8.64E-06	3.89E-05	6.43E-05	2.13E-06
4761	741442.87	4110508.58	4.67E-04	8.52E-04	4.68E-05	7.25E-05	1.40E-04	7.01E-06	7.05E-05	1.20E-04	8.91E-06	4.00E-05	6.63E-05	2.20E-06
4762	742263.84	4110670.9	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.09E-07
4763	742283.95	4110657.41	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.06E-05	2.54E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.40E-05	7.97E-07
4764	742304.06	4110643.91	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.20E-06	1.44E-05	2.38E-05	7.89E-07
4765	742324.17	4110630.42	1.68E-04	3.06E-04	1.68E-05	2.60E-05	5.01E-05	2.52E-06	2.53E-05	4.31E-05	3.20E-06	1.44E-05	2.38E-05	7.88E-07
4766	742344.28	4110616.93	1.70E-04	3.09E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.36E-05	3.23E-06	1.45E-05	2.40E-05	7.97E-07
4767	742364.39	4110603.44	1.73E-04	3.16E-04	1.73E-05	2.69E-05	5.17E-05	2.60E-06	2.61E-05	4.45E-05	3.30E-06	1.48E-05	2.46E-05	8.14E-07
4768	742384.5	4110589.94	1.77E-04	3.23E-04	1.77E-05	2.75E-05	5.30E-05	2.66E-06	2.67E-05	4.56E-05	3.38E-06	1.52E-05	2.51E-05	8.33E-07
4769	742404.61	4110576.45	1.81E-04	3.30E-04	1.81E-05	2.81E-05	5.41E-05	2.72E-06	2.73E-05	4.65E-05	3.45E-06	1.55E-05	2.57E-05	8.50E-07
4770	742424.72	4110562.96	1.84E-04	3.35E-04	1.84E-05	2.85E-05	5.49E-05	2.76E-06	2.77E-05	4.72E-05	3.50E-06	1.57E-05	2.60E-05	8.63E-07
4771	742444.83	4110549.47	1.86E-04	3.38E-04	1.86E-05	2.88E-05	5.54E-05	2.78E-06	2.80E-05	4.77E-05	3.54E-06	1.59E-05	2.63E-05	8.72E-07
4772	742464.94	4110535.98	1.87E-04	3.42E-04	1.88E-05	2.91E-05	5.60E-05	2.81E-06	2.83E-05	4.82E-05	3.57E-06	1.61E-05	2.66E-05	8.81E-07
4773	742485.05	4110522.48	1.90E-04	3.46E-04	1.90E-05	2.95E-05	5.68E-05	2.85E-06	2.87E-05	4.88E-05	3.62E-06	1.63E-05	2.69E-05	8.93E-07
4774	742505.16	4110508.99	1.93E-04	3.53E-04	1.94E-05	3.00E-05	5.78E-05	2.90E-06	2.92E-05	4.97E-05	3.69E-06	1.66E-05	2.74E-05	9.09E-07
4775	742525.27	4110495.5	1.98E-04	3.60E-04	1.98E-05	3.06E-05	5.90E-05	2.96E-06	2.98E-05	5.08E-05	3.76E-06	1.69E-05	2.80E-05	9.28E-07
4776	742273.19	4110762.98	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.28E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.73E-07
4777	742250.01	4110767.49	1.48E-04	2.70E-04	1.48E-05	2.30E-05	4.43E-05	2.23E-06	2.24E-05	3.81E-05	2.83E-06	1.27E-05	2.10E-05	6.97E-07
4778	742226.83	4110772.01	1.53E-04	2.79E-04	1.53E-05	2.38E-05	4.58E-05	2.30E-06	2.31E-05	3.94E-05	2.92E-06	1.31E-05	2.17E-05	7.21E-07
4779	742203.64	4110776.53	1.58E-04	2.89E-04	1.58E-05	2.46E-05	4.73E-05	2.38E-06	2.39E-05	4.07E-05	3.02E-06	1.36E-05	2.25E-05	7.44E-07
4780	742180.46	4110781.05	1.63E-04	2.98E-04	1.64E-05	2.54E-05	4.88E-05	2.45E-06	2.47E-05	4.20E-05	3.11E-06	1.40E-05	2.32E-05	7.68E-07
4781	742157.28	4110785.57	1.69E-04	3.07E-04	1.69E-05	2.62E-05	5.04E-05	2.53E-06	2.54E-05	4.34E-05	3.21E-06	1.45E-05	2.39E-05	7.93E-07
4782	742134.1	4110790.08	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.63E-05	4.48E-05	3.32E-06	1.49E-05	2.47E-05	8.18E-07
4783	742110.92	4110794.6	1.80E-04	3.28E-04	1.80E-05	2.79E-05	5.37E-05	2.70E-06	2.71E-05	4.62E-05	3.43E-06	1.54E-05	2.55E-05	8.45E-07
4784	742087.73	4110799.12	1.86E-04	3.39E-04	1.86E-05	2.88E-05	5.55E-05	2.79E-06	2.80E-05	4.78E-05	3.54E-06	1.59E-05	2.64E-05	8.73E-07
4785	742064.55	4110803.64	1.92E-04	3.49E-04	1.92E-05	2.97E-05	5.73E-05	2.88E-06	2.89E-05	4.93E-05	3.65E-06	1.64E-05	2.72E-05	9.01E-07
4786	742041.37	4110808.15	1.97E-04	3.59E-04	1.97E-05	3.05E-05	5.88E-05	2.96E-06	2.97E-05	5.06E-05	3.75E-06	1.69E-05	2.79E-05	9.25E-07
4787	742018.19	4110812.67	2.02E-04	3.67E-04	2.02E-05	3.13E-05	6.02E-05	3.03E-06	3.04E-05	5.18E-05	3.84E-06	1.73E-05	2.86E-05	9.47E-07
4788	741995.01	4110817.19	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.14E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.66E-07
4789	741971.83	4110821.71	2.09E-04	3.81E-04	2.09E-05	3.25E-05	6.25E-05	3.14E-06	3.16E-05	5.38E-05	3.99E-06	1.79E-05	2.97E-05	9.84E-07
4790	741948.64	4110826.23	2.13E-04	3.88E-04	2.13E-05	3.30E-05	6.36E-05	3.19E-06	3.21E-05	5.47E-05	4.05E-06	1.82E-05	3.02E-05	1.00E-06
4791	741925.46	4110830.74	2.16E-04	3.94E-04	2.16E-05	3.35E-05	6.45E-05	3.24E-06	3.26E-05	5.55E-05	4.12E-06	1.85E-05	3.06E-05	1.02E-06
4792	741902.28	4110835.26	2.19E-04	3.99E-04	2.19E-05	3.39E-05	6.54E-05	3.29E-06	3.30E-05	5.63E-05	4.17E-06	1.88E-05	3.10E-05	1.03E-06
4793	741879.1	4110839.78	2.21E-04	4.03E-04	2.21E-05	3.43E-05	6.61E-05	3.32E-06	3.34E-05	5.69E-05	4.22E-06	1.90E-05	3.14E-05	1.04E-06
4794	741855.92	4110844.3	2.23E-04	4.06E-04	2.23E-05	3.45E-05	6.65E-05	3.34E-06	3.36E-05	5.72E-05	4.24E-06	1.91E-05	3.16E-05	1.05E-06
4795	741832.73	4110848.81	2.23E-04	4.07E-04	2.23E-05	3.46E-05	6.67E-05	3.35E-06	3.36E-05	5.74E-05	4.25E-06	1.91E-05	3.16E-05	1.05E-06
4796	741809.55	4110853.33	2.23E-04	4.06E-04	2.23E-05	3.45E-05	6.65E-05	3.34E-06	3.36E-05	5.72E-05	4.24E-06	1.91E-05	3.16E-05	1.05E-06
4797	741766.94	4110844.43	2.26E-04	4.13E-04	2.27E-05	3.51E-05	6.77E-05	3.40E-06	3.42E-05	5.82E-05	4.32E-06	1.94E-05	3.21E-05	1.06E-06
4798	741747.5	4110831.01	2.31E-04	4.22E-04	2.31E-05	3.59E-05	6.91E-05	3.47E-06	3.49E-05	5.95E-05	4.41E-06	1.98E-05	3.28E-05	1.09E-06
4799	741728.07	4110817.58	2.36E-04	4.30E-04	2.36E-05	3.66E-05	7.04E-05	3.54E-06	3.55E-05	6.06E-05	4.49E-06	2.02E-05	3.34E-05	1.11E-06
4800	741708.64	4110804.16	2.40E-04	4.37E-04	2.40E-05	3.72E-05	7.16E-05	3.60E-06	3.61E-05	6.16E-05	4.57E-06	2.05E-05	3.40E-05	1.13E-06
4801	741689.21	4110790.74	2.43E-04	4.43E-04	2.43E-05	3.77E-05	7.26E-05	3.65E-06	3.67E-05	6.25E-05	4.63E-06	2.08E-05	3.45E-05	1.14E-06
4802	741669.77	4110777.31	2.46E-04	4.49E-04	2.46E-05	3.82E-05	7.36E-05	3.70E-06	3.71E-05	6.33E-05	4.69E-06	2.11E-05	3.49E-05	1.16E-06
4803	741650.34	4110763.89	2.49E-04	4.54E-04	2.49E-05	3.86E-05	7.44E-05	3.74E-06	3.76E-05	6.40E-05	4.75E-06	2.13E-05	3.53E-05	1.17E-06
4804	741630.91	4110750.47	2.52E-04	4.59E-04	2.52E-05	3.91E-05	7.53E-05	3.78E-06	3.80E-05	6.48E-05	4.80E-06	2.16E-05	3.57E-05	1.18E-06
4805	741611.47	4110737.05	2.56E-04	4.66E-04	2.56E-05	3.96E-05	7.64E-05	3.84E-06	3.85E-05	6.57E-05	4.87E-06	2.19E-05	3.62E-05	1.20E-06
4806	741592.04	4110723.62	2.60E-04	4.74E-04	2.60E-05	4.03E-05	7.77E-05	3.90E-06	3.92E-05	6.68E-05	4.96E-06	2.23E-05	3.69E-05	1.22E-06
4807	741572.61	4110710.2	2.66E-04	4.84E-04	2.66E-05	4.12E-05	7.94E-05	3.99E-06	4.01E-05	6.83E-05	5.07E-06	2.28E-05	3.77E-05	1.25E-06
4808	741553.18	4110696.78	2.73E-04	4.98E-04	2.73E-05	4.24E-05	8.16E-05	4.10E-06	4.12E-05	7.02E-05	5.21E-06	2.34E-05	3.87E-05	1.28E-06
4809	741533.74	4110683.36	2.82E-04	5.14E-04	2.82E-05	4.37E-05	8.42E-05	4.23E-06	4.25E-05	7.25E-05	5.37E-06	2.42E-05	4.00E-05	1.32E-06
4810	741514.31	4110669.93	2.92E-04	5.32E-04	2.92E-05	4.52E-05	8.72E-05	4.38E-06	4.40E-05	7.50E-05	5.56E-06	2.50E-05	4.14E-05	1.37E-06
4811	741494.88	4110656.51	3.03E-04	5.52E-04	3.03E-05	4.69E-05	9.04E-05	4.54E-06	4.57E-05	7.78E-05	5.77E-06	2.59E-05	4.29E-05	1.42E-06
4812	741475.44	4110643.09	3.15E-04	5.73E-04	3.15E-05	4.88E-05	9.40E-05	4.72E-06	4.75E-05	8.09E-05	6.00E-06	2.70E-05	4.46E-05	1.48E-06
4813	741456.01	4110629.67	3.28E-04	5.97E-04	3.28E-05	5.08E-05	9.79E-05	4.92E-06	4.94E-05	8.42E-05	6.24E-06	2.81E-05	4.65E-05	1.54E-06
4814	741436.58	4110616.24	3.41E-04	6.22E-04	3.41E-05	5.29E-05	1.02E-04	5.12E-06	5.14E-05	8.77E-05	6.50E-06	2.92E-05	4.84E-05	1.60E-06

4815	741417.14	4110602.82	3.55E-04	6.46E-04	3.55E-05	5.50E-05	1.06E-04	5.32E-06	5.35E-05	9.12E-05	6.76E-06	3.04E-05	5.03E-05	1.67E-06
4816	741397.71	4110589.4	3.68E-04	6.70E-04	3.68E-05	5.70E-05	1.10E-04	5.52E-06	5.54E-05	9.45E-05	7.00E-06	3.15E-05	5.21E-05	1.73E-06
4817	741378.28	4110575.98	3.79E-04	6.91E-04	3.79E-05	5.88E-05	1.13E-04	5.69E-06	5.72E-05	9.74E-05	7.22E-06	3.25E-05	5.37E-05	1.78E-06
4818	741358.85	4110562.55	3.89E-04	7.08E-04	3.89E-05	6.03E-05	1.16E-04	5.84E-06	5.86E-05	9.99E-05	7.41E-06	3.33E-05	5.51E-05	1.83E-06
4819	742319.55	4110753.94	1.34E-04	2.43E-04	1.34E-05	2.07E-05	3.99E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
4820	742339.66	4110740.45	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.19E-07
4821	742359.77	4110726.96	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.90E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.14E-07
4822	742379.88	4110713.46	1.30E-04	2.38E-04	1.31E-05	2.02E-05	3.90E-05	1.96E-06	1.97E-05	3.35E-05	2.49E-06	1.12E-05	1.85E-05	6.13E-07
4823	742399.99	4110699.97	1.32E-04	2.40E-04	1.32E-05	2.04E-05	3.93E-05	1.97E-06	1.98E-05	3.38E-05	2.51E-06	1.13E-05	1.86E-05	6.18E-07
4824	742420.1	4110686.48	1.34E-04	2.44E-04	1.34E-05	2.07E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
4825	742440.21	4110672.99	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
4826	742460.32	4110659.49	1.40E-04	2.55E-04	1.40E-05	2.17E-05	4.18E-05	2.10E-06	2.11E-05	3.60E-05	2.67E-06	1.20E-05	1.99E-05	6.58E-07
4827	742480.43	4110646	1.43E-04	2.60E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.67E-05	2.72E-06	1.22E-05	2.03E-05	6.72E-07
4828	742500.54	4110632.51	1.45E-04	2.65E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.74E-05	2.77E-06	1.25E-05	2.06E-05	6.83E-07
4829	742520.65	4110619.02	1.48E-04	2.69E-04	1.48E-05	2.29E-05	4.41E-05	2.21E-06	2.22E-05	3.79E-05	2.81E-06	1.26E-05	2.09E-05	6.93E-07
4830	742540.76	4110605.52	1.50E-04	2.73E-04	1.50E-05	2.32E-05	4.48E-05	2.25E-06	2.26E-05	3.85E-05	2.85E-06	1.28E-05	2.12E-05	7.04E-07
4831	742560.87	4110592.03	1.53E-04	2.78E-04	1.53E-05	2.37E-05	4.56E-05	2.29E-06	2.30E-05	3.92E-05	2.91E-06	1.31E-05	2.16E-05	7.17E-07
4832	742580.98	4110578.54	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.31E-07
4833	742383.7	4110929.24	9.44E-05	1.72E-04	9.44E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.43E-05	1.80E-06	8.09E-06	1.34E-05	4.43E-07
4834	742360.07	4110933.84	9.68E-05	1.76E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
4835	742336.43	4110938.45	9.94E-05	1.81E-04	9.95E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.56E-05	1.89E-06	8.52E-06	1.41E-05	4.67E-07
4836	742312.79	4110943.06	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.75E-06	1.45E-05	4.80E-07
4837	742289.15	4110947.66	1.05E-04	1.92E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.59E-05	2.70E-05	2.00E-06	9.01E-06	1.49E-05	4.94E-07
4838	742265.51	4110952.27	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.24E-05	1.63E-06	1.63E-05	2.79E-05	2.06E-06	9.28E-06	1.54E-05	5.09E-07
4839	742241.87	4110956.88	1.12E-04	2.04E-04	1.12E-05	1.73E-05	3.34E-05	1.68E-06	1.68E-05	2.87E-05	2.13E-06	9.57E-06	1.58E-05	5.25E-07
4840	742218.23	4110961.48	1.15E-04	2.10E-04	1.15E-05	1.79E-05	3.44E-05	1.73E-06	1.74E-05	2.96E-05	2.19E-06	9.87E-06	1.63E-05	5.41E-07
4841	742194.6	4110966.09	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.55E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.58E-07
4842	742170.96	4110970.7	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.83E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.74E-07
4843	742147.32	4110975.31	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.23E-05	2.40E-06	1.08E-05	1.78E-05	5.91E-07
4844	742123.68	4110979.91	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.32E-05	2.46E-06	1.11E-05	1.83E-05	6.08E-07
4845	742100.04	4110984.52	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.96E-05	1.99E-06	2.00E-05	3.41E-05	2.53E-06	1.14E-05	1.88E-05	6.23E-07
4846	742076.4	4110989.13	1.36E-04	2.47E-04	1.36E-05	2.11E-05	4.06E-05	2.04E-06	2.05E-05	3.49E-05	2.59E-06	1.16E-05	1.93E-05	6.38E-07
4847	742052.76	4110993.73	1.39E-04	2.53E-04	1.39E-05	2.15E-05	4.14E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.97E-05	6.52E-07
4848	742029.13	4110998.34	1.41E-04	2.57E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
4849	742005.49	4111002.95	1.44E-04	2.62E-04	1.44E-05	2.23E-05	4.30E-05	2.16E-06	2.17E-05	3.70E-05	2.74E-06	1.23E-05	2.04E-05	6.76E-07
4850	741981.85	4111007.55	1.46E-04	2.67E-04	1.46E-05	2.27E-05	4.37E-05	2.20E-06	2.21E-05	3.76E-05	2.79E-06	1.25E-05	2.08E-05	6.88E-07
4851	741958.21	4111012.16	1.49E-04	2.71E-04	1.49E-05	2.31E-05	4.45E-05	2.23E-06	2.24E-05	3.83E-05	2.84E-06	1.28E-05	2.11E-05	6.99E-07
4852	741934.57	4111016.77	1.51E-04	2.76E-04	1.51E-05	2.35E-05	4.52E-05	2.27E-06	2.28E-05	3.89E-05	2.88E-06	1.30E-05	2.14E-05	7.11E-07
4853	741910.93	4111021.37	1.54E-04	2.80E-04	1.54E-05	2.38E-05	4.59E-05	2.31E-06	2.32E-05	3.95E-05	2.93E-06	1.32E-05	2.18E-05	7.22E-07
4854	741887.29	4111025.98	1.56E-04	2.84E-04	1.56E-05	2.41E-05	4.65E-05	2.34E-06	2.35E-05	4.00E-05	2.97E-06	1.33E-05	2.21E-05	7.32E-07
4855	741863.66	4111030.59	1.57E-04	2.87E-04	1.58E-05	2.44E-05	4.70E-05	2.36E-06	2.37E-05	4.05E-05	3.00E-06	1.35E-05	2.23E-05	7.40E-07
4856	741840.02	4111035.19	1.59E-04	2.89E-04	1.59E-05	2.46E-05	4.74E-05	2.38E-06	2.39E-05	4.08E-05	3.03E-06	1.36E-05	2.25E-05	7.46E-07
4857	741816.38	4111039.8	1.60E-04	2.91E-04	1.60E-05	2.47E-05	4.77E-05	2.39E-06	2.41E-05	4.10E-05	3.04E-06	1.37E-05	2.26E-05	7.50E-07
4858	741792.74	4111044.41	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.78E-05	2.40E-06	2.41E-05	4.11E-05	3.05E-06	1.37E-05	2.27E-05	7.51E-07
4859	741769.1	4111049.02	1.60E-04	2.91E-04	1.60E-05	2.48E-05	4.77E-05	2.40E-06	2.41E-05	4.10E-05	3.04E-06	1.37E-05	2.26E-05	7.50E-07
4860	741725.65	4111039.94	1.62E-04	2.96E-04	1.62E-05	2.52E-05	4.85E-05	2.44E-06	2.45E-05	4.17E-05	3.09E-06	1.39E-05	2.30E-05	7.63E-07
4861	741705.83	4111026.25	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.94E-05	2.48E-06	2.49E-05	4.25E-05	3.15E-06	1.42E-05	2.34E-05	7.77E-07
4862	741686.01	4111012.56	1.68E-04	3.06E-04	1.68E-05	2.61E-05	5.02E-05	2.52E-06	2.53E-05	4.32E-05	3.20E-06	1.44E-05	2.38E-05	7.90E-07
4863	741666.2	4110998.87	1.70E-04	3.10E-04	1.70E-05	2.64E-05	5.09E-05	2.56E-06	2.57E-05	4.38E-05	3.24E-06	1.46E-05	2.41E-05	8.00E-07
4864	741646.38	4110985.19	1.72E-04	3.14E-04	1.72E-05	2.67E-05	5.14E-05	2.58E-06	2.60E-05	4.43E-05	3.28E-06	1.48E-05	2.44E-05	8.09E-07
4865	741626.57	4110971.5	1.74E-04	3.16E-04	1.74E-05	2.69E-05	5.19E-05	2.61E-06	2.62E-05	4.46E-05	3.31E-06	1.49E-05	2.46E-05	8.16E-07
4866	741606.75	4110957.81	1.75E-04	3.19E-04	1.75E-05	2.71E-05	5.22E-05	2.62E-06	2.64E-05	4.50E-05	3.33E-06	1.50E-05	2.48E-05	8.22E-07
4867	741586.94	4110944.13	1.76E-04	3.20E-04	1.76E-05	2.73E-05	5.25E-05	2.64E-06	2.65E-05	4.52E-05	3.35E-06	1.51E-05	2.49E-05	8.26E-07
4868	741567.12	4110930.44	1.77E-04	3.22E-04	1.77E-05	2.74E-05	5.28E-05	2.65E-06	2.66E-05	4.54E-05	3.37E-06	1.51E-05	2.51E-05	8.30E-07
4869	741547.3	4110916.75	1.78E-04	3.24E-04	1.78E-05	2.76E-05	5.31E-05	2.67E-06	2.68E-05	4.57E-05	3.39E-06	1.52E-05	2.52E-05	8.35E-07
4870	741527.49	4110903.06	1.79E-04	3.27E-04	1.79E-05	2.78E-05	5.36E-05	2.69E-06	2.70E-05	4.61E-05	3.42E-06	1.54E-05	2.54E-05	8.42E-07
4871	741507.67	4110889.38	1.81E-04	3.31E-04	1.82E-05	2.81E-05	5.42E-05	2.72E-06	2.74E-05	4.66E-05	3.46E-06	1.55E-05	2.57E-05	8.53E-07
4872	741487.86	4110875.69	1.85E-04	3.36E-04	1.85E-05	2.86E-05	5.51E-05	2.77E-06	2.78E-05	4.75E-05	3.52E-06	1.58E-05	2.62E-05	8.68E-07
4873	741468.04	4110862	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
4874	741448.22	4110848.32	1.94E-04	3.53E-04	1.94E-05	3.01E-05	5.79E-05	2.91E-06	2.92E-05	4.98E-05	3.69E-06	1.66E-05	2.75E-05	9.11E-07
4875	741428.41	4110834.63	2.00E-04	3.64E-04	2.00E-05	3.10E-05	5.96E-05	3.00E-06	3.01E-05	5.13E-05	3.80E-06	1.71E-05	2.83E-05	9.38E-07
4876	741408.59	4110820.94	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.68E-07
4877	741388.78	4110807.25	2.12E-04	3.87E-04	2.12E-05	3.29E-05	6.34E-05	3.19E-06	3.20E-05	5.46E-05	4.05E-06	1.82E-05	3.01E-05	9.98E-07
4878	741368.96	4110793.57	2.19E-04	3.99E-04	2.19E-05	3.40E-05	6.54E-05	3.29E-06	3.30E-05	5.63E-05	4.17E-06	1.88E-05	3.11E-05	1.03E-06
4879	741349.14	4110779.88	2.26E-04	4.12E-04	2.26E-05	3.51E-05	6.75E-05	3.39E-06	3.41E-05	5.81E-05	4.31E-06	1.94E-05	3.21E-05	1.06E-06
4880	741329.33	4110766.19	2.34E-04	4.26E-04	2.34E-05	3.62E-05	6.98E-05	3.51E-06	3.52E-05	6.00E-05	4.45E-06	2.00E-05	3.31E-05	1.10E-06
4881	741309.51	4110752.51	2.41E-04	4.40E-04	2.42E-05	3.74E-05	7.21E-05	3.62E-06	3.64E-05	6.21E-05	4.60E-06	2.07E-05	3.42E-05	1.13E-06
4882	741289.7	4110738.82	2.50E-04	4.55E-04	2.50E-05	3.87E-05	7.46E-05	3.75E-06	3.76E-05	6.42E-05	4.76E-06	2.14E-05	3.54E-05	1.17E-06
4883	741269.88	4110725.13	2.58E-04	4.70E-04	2.58E-05	4.00E-05	7.71E-05	3.87E-06	3.89E-05	6.63E-05	4.92E-06	2.21E-05	3.66E-05	1.21E-06
4884	741250.07	4110711.44	2.66E-04	4.85E-04	2.66E-05	4.13E-05	7.96E-05	4.00E-06	4.02E-05	6.85E-05	5.08E-06	2.28E-05	3.78E-05	1.25E-06
4885	741230.25	4110697.76	2.74E-04	4.99E-04	2.74E-05	4.25E-05	8.18E-05	4.11E-06	4.13E-05	7.04E-05	5.22E-06	2.35E-05	3.88E-05	1.29E-06
4886	741210.43	4110684.07	2.80E-04	5.11E-04	2.80E-05	4.35E-05	8.37E-05	4.21E-06	4.23E-05	7.21E-05	5.34E-06	2.40E-05	3.97E-05	1.32E-06
4887	741190.62	4110670.38	2.85E-04	5.20E-04	2.85E-05	4.42E-05	8.52E-05	4.28E-06	4.30E-05	7.33E-05	5.43E-06	2.44E-05	4.04E-05	1.34E-06

4888	742430.98	4110920.02	8.93E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.20E-07
4889	742451.09	4110906.53	8.81E-05	1.60E-04	8.81E-06	1.37E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.55E-06	1.25E-05	4.14E-07
4890	742471.2	4110893.04	8.70E-05	1.59E-04	8.71E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.46E-06	1.23E-05	4.09E-07
4891	742491.31	4110879.55	8.65E-05	1.58E-04	8.65E-06	1.34E-05	2.58E-05	1.30E-06	1.30E-05	2.22E-05	1.65E-06	7.41E-06	1.23E-05	4.06E-07
4892	742511.42	4110866.05	8.66E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.42E-06	1.23E-05	4.07E-07
4893	742531.53	4110852.56	8.76E-05	1.60E-04	8.77E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.25E-05	1.67E-06	7.51E-06	1.24E-05	4.12E-07
4894	742551.64	4110839.07	8.94E-05	1.63E-04	8.95E-06	1.39E-05	2.67E-05	1.34E-06	1.35E-05	2.30E-05	1.70E-06	7.66E-06	1.27E-05	4.20E-07
4895	742571.75	4110825.58	9.18E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
4896	742591.86	4110812.08	9.45E-05	1.72E-04	9.45E-06	1.47E-05	2.82E-05	1.42E-06	1.42E-05	2.43E-05	1.80E-06	8.10E-06	1.34E-05	4.44E-07
4897	742611.97	4110798.59	9.71E-05	1.77E-04	9.72E-06	1.51E-05	2.90E-05	1.46E-06	1.46E-05	2.50E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
4898	742632.08	4110785.1	9.96E-05	1.81E-04	9.96E-06	1.54E-05	2.98E-05	1.49E-06	1.50E-05	2.56E-05	1.90E-06	8.53E-06	1.41E-05	4.68E-07
4899	742652.19	4110771.61	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
4900	742672.3	4110758.12	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
4901	742692.41	4110744.62	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.17E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.08E-06	1.50E-05	4.98E-07
4902	742519.14	4111090.64	6.63E-05	1.21E-04	6.64E-06	1.03E-05	1.98E-05	9.96E-07	1.00E-05	1.71E-05	1.26E-06	5.68E-06	9.41E-06	3.12E-07
4903	742495.86	4111095.18	6.80E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.64E-06	3.19E-07
4904	742472.59	4111099.71	6.95E-05	1.27E-04	6.95E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.32E-06	5.95E-06	9.85E-06	3.27E-07
4905	742449.32	4111104.25	7.10E-05	1.29E-04	7.10E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.82E-05	1.35E-06	6.08E-06	1.01E-05	3.34E-07
4906	742426.04	4111108.78	7.25E-05	1.32E-04	7.25E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.40E-07
4907	742402.77	4111113.32	7.40E-05	1.35E-04	7.41E-06	1.15E-05	2.21E-05	1.11E-06	1.12E-05	1.90E-05	1.41E-06	6.34E-06	1.05E-05	3.48E-07
4908	742379.49	4111117.86	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
4909	742356.22	4111122.39	7.77E-05	1.42E-04	7.78E-06	1.21E-05	2.32E-05	1.17E-06	1.17E-05	2.00E-05	1.48E-06	6.66E-06	1.10E-05	3.65E-07
4910	742332.95	4111126.93	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.39E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
4911	742309.67	4111131.46	8.21E-05	1.50E-04	8.21E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.03E-06	1.16E-05	3.86E-07
4912	742286.4	4111136	8.44E-05	1.54E-04	8.45E-06	1.31E-05	2.52E-05	1.27E-06	1.27E-05	2.17E-05	1.61E-06	7.24E-06	1.20E-05	3.97E-07
4913	742263.13	4111140.54	8.68E-05	1.58E-04	8.69E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
4914	742239.85	4111145.07	8.92E-05	1.63E-04	8.93E-06	1.38E-05	2.67E-05	1.34E-06	1.35E-05	2.29E-05	1.70E-06	7.65E-06	1.27E-05	4.19E-07
4915	742216.58	4111149.61	9.16E-05	1.67E-04	9.17E-06	1.42E-05	2.74E-05	1.38E-06	1.38E-05	2.36E-05	1.75E-06	7.85E-06	1.30E-05	4.31E-07
4916	742193.3	4111154.14	9.40E-05	1.71E-04	9.40E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.05E-06	1.33E-05	4.42E-07
4917	742170.03	4111158.68	9.62E-05	1.75E-04	9.62E-06	1.49E-05	2.87E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.24E-06	1.36E-05	4.52E-07
4918	742146.76	4111163.21	9.82E-05	1.79E-04	9.83E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.42E-06	1.39E-05	4.62E-07
4919	742123.48	4111167.75	1.00E-04	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.91E-06	8.58E-06	1.42E-05	4.70E-07
4920	742100.21	4111172.29	1.02E-04	1.85E-04	1.02E-05	1.58E-05	3.04E-05	1.53E-06	1.53E-05	2.62E-05	1.94E-06	8.72E-06	1.44E-05	4.78E-07
4921	742076.93	4111176.82	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.09E-05	1.55E-06	1.56E-05	2.66E-05	1.97E-06	8.86E-06	1.47E-05	4.86E-07
4922	742053.66	4111181.36	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.58E-05	2.70E-05	2.00E-06	8.99E-06	1.49E-05	4.93E-07
4923	742030.39	4111185.89	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
4924	742007.11	4111190.43	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.28E-06	1.53E-05	5.09E-07
4925	741983.84	4111194.96	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.29E-05	1.65E-06	1.66E-05	2.83E-05	2.10E-06	9.43E-06	1.56E-05	5.17E-07
4926	741960.57	4111199.5	1.12E-04	2.04E-04	1.12E-05	1.74E-05	3.34E-05	1.68E-06	1.69E-05	2.88E-05	2.13E-06	9.59E-06	1.59E-05	5.26E-07
4927	741937.29	4111204.04	1.14E-04	2.07E-04	1.14E-05	1.76E-05	3.40E-05	1.71E-06	1.71E-05	2.92E-05	2.17E-06	9.74E-06	1.61E-05	5.34E-07
4928	741914.02	4111208.57	1.15E-04	2.10E-04	1.16E-05	1.79E-05	3.45E-05	1.73E-06	1.74E-05	2.97E-05	2.20E-06	9.89E-06	1.64E-05	5.43E-07
4929	741890.74	4111213.11	1.17E-04	2.13E-04	1.17E-05	1.82E-05	3.50E-05	1.76E-06	1.77E-05	3.01E-05	2.23E-06	1.00E-05	1.66E-05	5.50E-07
4930	741867.47	4111217.64	1.18E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
4931	741844.2	4111222.18	1.20E-04	2.18E-04	1.20E-05	1.86E-05	3.57E-05	1.80E-06	1.80E-05	3.08E-05	2.28E-06	1.03E-05	1.70E-05	5.62E-07
4932	741820.92	4111226.71	1.21E-04	2.20E-04	1.21E-05	1.87E-05	3.60E-05	1.81E-06	1.82E-05	3.10E-05	2.30E-06	1.03E-05	1.71E-05	5.67E-07
4933	741797.65	4111231.25	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.62E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
4934	741774.38	4111235.79	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.83E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.72E-07
4935	741751.1	4111240.32	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.73E-07
4936	741727.83	4111244.86	1.22E-04	2.22E-04	1.22E-05	1.89E-05	3.64E-05	1.83E-06	1.84E-05	3.13E-05	2.32E-06	1.04E-05	1.73E-05	5.72E-07
4937	741685.04	4111235.92	1.24E-04	2.25E-04	1.24E-05	1.92E-05	3.70E-05	1.86E-06	1.87E-05	3.18E-05	2.36E-06	1.06E-05	1.75E-05	5.81E-07
4938	741665.53	4111222.44	1.26E-04	2.29E-04	1.26E-05	1.95E-05	3.76E-05	1.89E-06	1.90E-05	3.23E-05	2.40E-06	1.08E-05	1.78E-05	5.91E-07
4939	741646.02	4111208.97	1.28E-04	2.33E-04	1.28E-05	1.98E-05	3.81E-05	1.92E-06	1.93E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	6.00E-07
4940	741626.51	4111195.49	1.29E-04	2.36E-04	1.29E-05	2.01E-05	3.86E-05	1.94E-06	1.95E-05	3.33E-05	2.47E-06	1.11E-05	1.83E-05	6.08E-07
4941	741607	4111182.01	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.15E-07
4942	741587.49	4111168.54	1.32E-04	2.40E-04	1.32E-05	2.05E-05	3.94E-05	1.98E-06	1.99E-05	3.39E-05	2.51E-06	1.13E-05	1.87E-05	6.20E-07
4943	741567.98	4111155.06	1.33E-04	2.42E-04	1.33E-05	2.06E-05	3.97E-05	1.99E-06	2.00E-05	3.42E-05	2.53E-06	1.14E-05	1.88E-05	6.24E-07
4944	741548.47	4111141.59	1.33E-04	2.43E-04	1.34E-05	2.07E-05	3.99E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
4945	741528.96	4111128.11	1.34E-04	2.44E-04	1.34E-05	2.07E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
4946	741509.45	4111114.64	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
4947	741489.94	4111101.16	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.30E-07
4948	741470.43	4111087.68	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.01E-05	2.01E-06	2.02E-05	3.45E-05	2.56E-06	1.15E-05	1.90E-05	6.30E-07
4949	741450.92	4111074.21	1.34E-04	2.45E-04	1.35E-05	2.08E-05	4.02E-05	2.02E-06	2.03E-05	3.46E-05	2.56E-06	1.15E-05	1.91E-05	6.32E-07
4950	741431.41	4111060.73	1.35E-04	2.46E-04	1.35E-05	2.10E-05	4.04E-05	2.03E-06	2.04E-05	3.48E-05	2.58E-06	1.16E-05	1.92E-05	6.36E-07
4951	741411.9	4111047.26	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.08E-05	2.05E-06	2.06E-05	3.51E-05	2.60E-06	1.17E-05	1.94E-05	6.42E-07
4952	741392.39	4111033.78	1.39E-04	2.53E-04	1.39E-05	2.15E-05	4.15E-05	2.08E-06	2.09E-05	3.57E-05	2.65E-06	1.19E-05	1.97E-05	6.53E-07
4953	741372.88	4111020.3	1.42E-04	2.58E-04	1.42E-05	2.20E-05	4.23E-05	2.13E-06	2.14E-05	3.64E-05	2.70E-06	1.21E-05	2.01E-05	6.66E-07
4954	741353.37	4111006.83	1.45E-04	2.65E-04	1.45E-05	2.25E-05	4.34E-05	2.18E-06	2.19E-05	3.73E-05	2.77E-06	1.24E-05	2.06E-05	6.83E-07
4955	741333.86	4110993.35	1.49E-04	2.72E-04	1.49E-05	2.31E-05	4.46E-05	2.24E-06	2.25E-05	3.84E-05	2.84E-06	1.28E-05	2.12E-05	7.01E-07
4956	741314.35	4110979.88	1.53E-04	2.80E-04	1.54E-05	2.38E-05	4.59E-05	2.30E-06	2.31E-05	3.95E-05	2.92E-06	1.32E-05	2.18E-05	7.21E-07
4957	741294.84	4110966.4	1.58E-04	2.87E-04	1.58E-05	2.45E-05	4.71E-05	2.37E-06	2.38E-05	4.05E-05	3.01E-06	1.35E-05	2.24E-05	7.41E-07
4958	741275.33	4110952.92	1.62E-04	2.95E-04	1.62E-05	2.51E-05	4.83E-05	2.43E-06	2.44E-05	4.16E-05	3.08E-06	1.39E-05	2.29E-05	7.61E-07
4959	741255.82	4110939.45	1.66E-04	3.02E-04	1.66E-05	2.57E-05	4.95E-05	2.49E-06	2.50E-05	4.26E-05	3.16E-06	1.42E-05	2.35E-05	7.79E-07
4960	741236.31	4110925.97	1.70E-04	3.10E-04	1.70E-05	2.63E-05	5.07E-05	2.55E-06	2.56E-05	4.37E-05	3.24E-06	1.46E-05	2.41E-05	7.98E-07

4961	741216.8	4110912.5	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.31E-06	1.49E-05	2.47E-05	8.18E-07
4962	741197.29	4110899.02	1.78E-04	3.25E-04	1.79E-05	2.77E-05	5.33E-05	2.68E-06	2.69E-05	4.59E-05	3.40E-06	1.53E-05	2.53E-05	8.39E-07
4963	741177.78	4110885.55	1.83E-04	3.34E-04	1.83E-05	2.84E-05	5.48E-05	2.75E-06	2.77E-05	4.71E-05	3.49E-06	1.57E-05	2.60E-05	8.62E-07
4964	741158.27	4110872.07	1.89E-04	3.44E-04	1.89E-05	2.93E-05	5.64E-05	2.83E-06	2.85E-05	4.85E-05	3.60E-06	1.62E-05	2.68E-05	8.87E-07
4965	741138.76	4110858.59	1.94E-04	3.54E-04	1.95E-05	3.02E-05	5.81E-05	2.92E-06	2.93E-05	5.00E-05	3.71E-06	1.67E-05	2.76E-05	9.14E-07
4966	741119.25	4110845.12	2.00E-04	3.65E-04	2.00E-05	3.10E-05	5.98E-05	3.01E-06	3.02E-05	5.15E-05	3.82E-06	1.72E-05	2.84E-05	9.41E-07
4967	741099.74	4110831.64	2.06E-04	3.75E-04	2.06E-05	3.19E-05	6.15E-05	3.09E-06	3.10E-05	5.29E-05	3.92E-06	1.76E-05	2.92E-05	9.67E-07
4968	741080.23	4110818.17	2.11E-04	3.84E-04	2.11E-05	3.27E-05	6.30E-05	3.16E-06	3.18E-05	5.42E-05	4.02E-06	1.81E-05	2.99E-05	9.90E-07
4969	741060.72	4110804.69	2.15E-04	3.91E-04	2.15E-05	3.33E-05	6.42E-05	3.22E-06	3.24E-05	5.52E-05	4.09E-06	1.84E-05	3.05E-05	1.01E-06
4970	741041.21	4110791.21	2.18E-04	3.97E-04	2.18E-05	3.38E-05	6.51E-05	3.27E-06	3.29E-05	5.61E-05	4.15E-06	1.87E-05	3.09E-05	1.02E-06
4971	741021.7	4110777.74	2.20E-04	4.01E-04	2.20E-05	3.41E-05	6.58E-05	3.30E-06	3.32E-05	5.66E-05	4.19E-06	1.89E-05	3.12E-05	1.03E-06
4972	742542.41	4111086.11	6.47E-05	1.18E-04	6.48E-06	1.00E-05	1.93E-05	9.71E-07	9.76E-06	1.66E-05	1.23E-06	5.55E-06	9.18E-06	3.04E-07
4973	742562.52	4111072.61	6.39E-05	1.16E-04	6.39E-06	9.91E-06	1.91E-05	9.59E-07	9.64E-06	1.64E-05	1.22E-06	5.48E-06	9.06E-06	3.00E-07
4974	742582.63	4111059.12	6.32E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.20E-06	5.42E-06	8.97E-06	2.97E-07
4975	742602.74	4111045.63	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.43E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
4976	742622.85	4111032.14	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.44E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
4977	742642.96	4111018.64	6.34E-05	1.15E-04	6.34E-06	9.83E-06	1.89E-05	9.51E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.98E-06	2.98E-07
4978	742663.07	4111005.15	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.71E-06	1.65E-05	1.23E-06	5.52E-06	9.13E-06	3.03E-07
4979	742683.18	4110991.66	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.34E-06	3.09E-07
4980	742703.29	4110978.17	6.77E-05	1.23E-04	6.77E-06	1.05E-05	2.02E-05	1.02E-06	1.02E-05	1.74E-05	1.29E-06	5.80E-06	9.60E-06	3.18E-07
4981	742723.4	4110964.68	6.98E-05	1.27E-04	6.99E-06	1.08E-05	2.09E-05	1.05E-06	1.05E-05	1.80E-05	1.33E-06	5.98E-06	9.90E-06	3.28E-07
4982	742743.51	4110951.18	7.21E-05	1.31E-04	7.21E-06	1.12E-05	2.15E-05	1.08E-06	1.09E-05	1.85E-05	1.37E-06	6.18E-06	1.02E-05	3.39E-07
4983	742763.62	4110937.69	7.43E-05	1.35E-04	7.43E-06	1.15E-05	2.22E-05	1.11E-06	1.12E-05	1.91E-05	1.42E-06	6.36E-06	1.05E-05	3.49E-07
4984	742783.73	4110924.2	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.15E-06	1.15E-05	1.96E-05	1.45E-06	6.54E-06	1.08E-05	3.59E-07
4985	742803.84	4110910.71	7.82E-05	1.42E-04	7.82E-06	1.21E-05	2.34E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.70E-06	1.11E-05	3.67E-07
4986	742630.26	4111256.78	5.10E-05	9.29E-05	5.10E-06	7.90E-06	1.52E-05	7.65E-07	7.68E-06	1.31E-05	9.71E-07	4.37E-06	7.23E-06	2.39E-07
4987	742606.69	4111261.38	5.20E-05	9.47E-05	5.20E-06	8.06E-06	1.55E-05	7.80E-07	7.84E-06	1.34E-05	9.90E-07	4.45E-06	7.37E-06	2.44E-07
4988	742583.11	4111265.97	5.29E-05	9.65E-05	5.30E-06	8.21E-06	1.58E-05	7.95E-07	7.98E-06	1.36E-05	1.01E-06	4.54E-06	7.51E-06	2.49E-07
4989	742559.54	4111270.57	5.39E-05	9.82E-05	5.39E-06	8.36E-06	1.61E-05	8.09E-07	8.13E-06	1.39E-05	1.03E-06	4.62E-06	7.64E-06	2.53E-07
4990	742535.96	4111275.16	5.49E-05	1.00E-04	5.49E-06	8.51E-06	1.64E-05	8.24E-07	8.27E-06	1.41E-05	1.05E-06	4.70E-06	7.78E-06	2.58E-07
4991	742512.38	4111279.76	5.58E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.38E-07	8.42E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.62E-07
4992	742488.81	4111284.35	5.69E-05	1.04E-04	5.69E-06	8.82E-06	1.70E-05	8.54E-07	8.58E-06	1.46E-05	1.08E-06	4.88E-06	8.07E-06	2.67E-07
4993	742465.23	4111288.95	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.23E-06	2.73E-07
4994	742441.66	4111293.54	5.94E-05	1.08E-04	5.95E-06	9.22E-06	1.78E-05	8.92E-07	8.96E-06	1.53E-05	1.13E-06	5.09E-06	8.43E-06	2.79E-07
4995	742418.08	4111298.14	6.09E-05	1.11E-04	6.10E-06	9.45E-06	1.82E-05	9.14E-07	9.19E-06	1.57E-05	1.16E-06	5.22E-06	8.64E-06	2.86E-07
4996	742394.5	4111302.73	6.26E-05	1.14E-04	6.26E-06	9.70E-06	1.87E-05	9.39E-07	9.43E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
4997	742370.93	4111307.32	6.43E-05	1.17E-04	6.43E-06	9.97E-06	1.92E-05	9.65E-07	9.70E-06	1.65E-05	1.23E-06	5.51E-06	9.12E-06	3.02E-07
4998	742347.35	4111311.92	6.61E-05	1.20E-04	6.61E-06	1.03E-05	1.97E-05	9.92E-07	9.97E-06	1.70E-05	1.26E-06	5.66E-06	9.37E-06	3.11E-07
4999	742323.78	4111316.51	6.79E-05	1.24E-04	6.80E-06	1.05E-05	2.03E-05	1.02E-06	1.02E-05	1.75E-05	1.29E-06	5.82E-06	9.63E-06	3.19E-07
5000	742300.2	4111321.11	6.97E-05	1.27E-04	6.98E-06	1.08E-05	2.08E-05	1.05E-06	1.05E-05	1.79E-05	1.33E-06	5.97E-06	9.88E-06	3.28E-07
5001	742276.62	4111325.7	7.15E-05	1.30E-04	7.15E-06	1.11E-05	2.14E-05	1.07E-06	1.08E-05	1.84E-05	1.36E-06	6.13E-06	1.01E-05	3.36E-07
5002	742253.05	4111330.3	7.32E-05	1.33E-04	7.32E-06	1.13E-05	2.19E-05	1.10E-06	1.10E-05	1.88E-05	1.39E-06	6.27E-06	1.04E-05	3.44E-07
5003	742229.47	4111334.89	7.48E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.43E-06	6.41E-06	1.06E-05	3.51E-07
5004	742205.9	4111339.49	7.63E-05	1.39E-04	7.63E-06	1.18E-05	2.28E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.53E-06	1.08E-05	3.58E-07
5005	742182.32	4111344.08	7.76E-05	1.41E-04	7.76E-06	1.20E-05	2.32E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.65E-06	1.10E-05	3.65E-07
5006	742158.74	4111348.68	7.87E-05	1.43E-04	7.88E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
5007	742135.17	4111353.27	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
5008	742111.59	4111357.87	8.07E-05	1.47E-04	8.07E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.07E-05	1.54E-06	6.91E-06	1.14E-05	3.79E-07
5009	742088.01	4111362.46	8.16E-05	1.49E-04	8.16E-06	1.27E-05	2.44E-05	1.22E-06	1.23E-05	2.10E-05	1.55E-06	6.99E-06	1.16E-05	3.83E-07
5010	742064.44	4111367.06	8.25E-05	1.50E-04	8.26E-06	1.28E-05	2.47E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.07E-06	1.17E-05	3.88E-07
5011	742040.86	4111371.65	8.36E-05	1.52E-04	8.37E-06	1.30E-05	2.50E-05	1.26E-06	1.26E-05	2.15E-05	1.59E-06	7.17E-06	1.19E-05	3.93E-07
5012	742017.29	4111376.25	8.48E-05	1.55E-04	8.49E-06	1.32E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.27E-06	1.20E-05	3.99E-07
5013	741993.71	4111380.84	8.62E-05	1.57E-04	8.62E-06	1.34E-05	2.58E-05	1.29E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.05E-07
5014	741970.13	4111385.43	8.76E-05	1.60E-04	8.77E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.25E-05	1.67E-06	7.51E-06	1.24E-05	4.12E-07
5015	741946.56	4111390.03	8.91E-05	1.62E-04	8.92E-06	1.38E-05	2.66E-05	1.34E-06	1.34E-05	2.29E-05	1.70E-06	7.63E-06	1.26E-05	4.19E-07
5016	741922.98	4111394.62	9.05E-05	1.65E-04	9.06E-06	1.40E-05	2.70E-05	1.36E-06	1.37E-05	2.33E-05	1.73E-06	7.76E-06	1.28E-05	4.25E-07
5017	741899.41	4111399.22	9.19E-05	1.67E-04	9.19E-06	1.42E-05	2.74E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.87E-06	1.30E-05	4.32E-07
5018	741875.83	4111403.81	9.31E-05	1.70E-04	9.32E-06	1.44E-05	2.78E-05	1.40E-06	1.40E-05	2.39E-05	1.77E-06	7.98E-06	1.32E-05	4.38E-07
5019	741852.25	4111408.41	9.42E-05	1.72E-04	9.42E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.07E-06	1.34E-05	4.43E-07
5020	741828.68	4111413	9.51E-05	1.73E-04	9.51E-06	1.47E-05	2.84E-05	1.43E-06	1.43E-05	2.44E-05	1.81E-06	8.15E-06	1.35E-05	4.47E-07
5021	741805.1	4111417.6	9.58E-05	1.75E-04	9.59E-06	1.49E-05	2.86E-05	1.44E-06	1.44E-05	2.46E-05	1.83E-06	8.21E-06	1.36E-05	4.50E-07
5022	741781.53	4111422.19	9.63E-05	1.76E-04	9.64E-06	1.49E-05	2.88E-05	1.45E-06	1.45E-05	2.48E-05	1.84E-06	8.26E-06	1.37E-05	4.53E-07
5023	741757.95	4111426.79	9.67E-05	1.76E-04	9.68E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.84E-06	8.29E-06	1.37E-05	4.55E-07
5024	741734.37	4111431.38	9.70E-05	1.77E-04	9.70E-06	1.50E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.31E-06	1.37E-05	4.56E-07
5025	741710.8	4111435.98	9.70E-05	1.77E-04	9.71E-06	1.50E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.32E-06	1.38E-05	4.56E-07
5026	741687.22	4111440.57	9.70E-05	1.77E-04	9.71E-06	1.50E-05	2.90E-05	1.46E-06	1.46E-05	2.49E-05	1.85E-06	8.31E-06	1.38E-05	4.56E-07
5027	741643.88	4111431.51	9.84E-05	1.79E-04	9.85E-06	1.53E-05	2.94E-05	1.48E-06	1.48E-05	2.53E-05	1.88E-06	8.43E-06	1.40E-05	4.62E-07
5028	741624.12	4111417.86	9.99E-05	1.82E-04	1.00E-05	1.55E-05	2.99E-05	1.50E-06	1.51E-05	2.57E-05	1.90E-06	8.56E-06	1.42E-05	4.70E-07
5029	741604.36	4111404.21	1.01E-04	1.85E-04	1.01E-05	1.57E-05	3.03E-05	1.52E-06	1.53E-05	2.61E-05	1.93E-06	8.69E-06	1.44E-05	4.76E-07
5030	741584.59	4111390.56	1.03E-04	1.87E-04	1.03E-05	1.59E-05	3.07E-05	1.54E-06	1.55E-05	2.64E-05	1.96E-06	8.80E-06	1.46E-05	4.83E-07
5031	741564.83	4111376.91	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
5032	741545.07	4111363.26	1.05E-04	1.91E-04	1.05E-05	1.63E-05	3.14E-05	1.58E-06	1.58E-05	2.70E-05	2.00E-06	8.99E-06	1.49E-05	4.93E-07
5033	741525.3	4111349.61	1.06E-04	1.93E-04	1.06E-05	1.64E-05	3.16E-05	1.59E-06	1.60E-05	2.72E-05	2.02E-06	9.07E-06	1.50E-05	4.97E-07

5034	741505.54	4111335.96	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
5035	741485.77	4111322.31	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.61E-05	2.75E-05	2.04E-06	9.17E-06	1.52E-05	5.03E-07
5036	741466.01	4111308.66	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.04E-07
5037	741446.25	4111295.01	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.62E-05	2.75E-05	2.04E-06	9.18E-06	1.52E-05	5.03E-07
5038	741426.48	4111281.35	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.19E-05	1.60E-06	1.61E-05	2.75E-05	2.04E-06	9.16E-06	1.52E-05	5.02E-07
5039	741406.72	4111267.7	1.07E-04	1.94E-04	1.07E-05	1.65E-05	3.18E-05	1.60E-06	1.61E-05	2.74E-05	2.03E-06	9.13E-06	1.51E-05	5.01E-07
5040	741386.96	4111254.05	1.06E-04	1.94E-04	1.06E-05	1.65E-05	3.17E-05	1.60E-06	1.60E-05	2.73E-05	2.03E-06	9.11E-06	1.51E-05	4.99E-07
5041	741367.19	4111240.4	1.06E-04	1.93E-04	1.06E-05	1.65E-05	3.17E-05	1.59E-06	1.60E-05	2.73E-05	2.02E-06	9.10E-06	1.51E-05	4.99E-07
5042	741347.43	4111226.75	1.06E-04	1.94E-04	1.06E-05	1.65E-05	3.18E-05	1.60E-06	1.60E-05	2.73E-05	2.03E-06	9.12E-06	1.51E-05	5.00E-07
5043	741327.67	4111213.1	1.07E-04	1.95E-04	1.07E-05	1.66E-05	3.20E-05	1.61E-06	1.61E-05	2.75E-05	2.04E-06	9.17E-06	1.52E-05	5.03E-07
5044	741307.9	4111199.45	1.08E-04	1.97E-04	1.08E-05	1.68E-05	3.24E-05	1.63E-06	1.63E-05	2.79E-05	2.07E-06	9.29E-06	1.54E-05	5.09E-07
5045	741288.14	4111185.8	1.10E-04	2.01E-04	1.10E-05	1.71E-05	3.30E-05	1.66E-06	1.66E-05	2.84E-05	2.10E-06	9.45E-06	1.56E-05	5.18E-07
5046	741268.38	4111172.15	1.13E-04	2.06E-04	1.13E-05	1.75E-05	3.37E-05	1.69E-06	1.70E-05	2.90E-05	2.15E-06	9.67E-06	1.60E-05	5.30E-07
5047	741248.61	4111158.5	1.16E-04	2.11E-04	1.16E-05	1.80E-05	3.46E-05	1.74E-06	1.75E-05	2.98E-05	2.21E-06	9.92E-06	1.64E-05	5.44E-07
5048	741228.85	4111144.85	1.19E-04	2.17E-04	1.19E-05	1.85E-05	3.56E-05	1.79E-06	1.79E-05	3.06E-05	2.27E-06	1.02E-05	1.69E-05	5.59E-07
5049	741209.09	4111131.2	1.22E-04	2.23E-04	1.22E-05	1.90E-05	3.65E-05	1.84E-06	1.84E-05	3.14E-05	2.33E-06	1.05E-05	1.73E-05	5.75E-07
5050	741189.32	4111117.54	1.25E-04	2.29E-04	1.25E-05	1.94E-05	3.75E-05	1.88E-06	1.89E-05	3.22E-05	2.39E-06	1.07E-05	1.78E-05	5.89E-07
5051	741169.56	4111103.89	1.28E-04	2.34E-04	1.28E-05	1.99E-05	3.83E-05	1.93E-06	1.93E-05	3.30E-05	2.44E-06	1.10E-05	1.82E-05	6.03E-07
5052	741149.8	4111090.24	1.31E-04	2.39E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.86E-05	6.15E-07
5053	741130.03	4111076.59	1.33E-04	2.43E-04	1.33E-05	2.07E-05	3.98E-05	2.00E-06	2.01E-05	3.43E-05	2.54E-06	1.14E-05	1.89E-05	6.27E-07
5054	741110.27	4111062.94	1.36E-04	2.47E-04	1.36E-05	2.11E-05	4.06E-05	2.04E-06	2.05E-05	3.49E-05	2.59E-06	1.16E-05	1.93E-05	6.38E-07
5055	741090.51	4111049.29	1.38E-04	2.52E-04	1.38E-05	2.15E-05	4.13E-05	2.08E-06	2.09E-05	3.56E-05	2.64E-06	1.19E-05	1.96E-05	6.50E-07
5056	741070.74	4111035.64	1.41E-04	2.58E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
5057	741050.98	4111021.99	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
5058	741031.22	4111008.34	1.48E-04	2.70E-04	1.48E-05	2.30E-05	4.43E-05	2.23E-06	2.24E-05	3.81E-05	2.83E-06	1.27E-05	2.10E-05	6.97E-07
5059	741011.45	4110994.69	1.52E-04	2.78E-04	1.52E-05	2.36E-05	4.55E-05	2.29E-06	2.30E-05	3.92E-05	2.90E-06	1.31E-05	2.16E-05	7.16E-07
5060	740991.69	4110981.04	1.57E-04	2.85E-04	1.57E-05	2.43E-05	4.68E-05	2.35E-06	2.36E-05	4.03E-05	2.98E-06	1.34E-05	2.22E-05	7.36E-07
5061	740971.92	4110967.38	1.61E-04	2.93E-04	1.61E-05	2.50E-05	4.81E-05	2.41E-06	2.43E-05	4.14E-05	3.07E-06	1.38E-05	2.28E-05	7.56E-07
5062	740952.16	4110953.73	1.65E-04	3.01E-04	1.65E-05	2.56E-05	4.93E-05	2.48E-06	2.49E-05	4.24E-05	3.14E-06	1.41E-05	2.34E-05	7.75E-07
5063	740932.4	4110940.08	1.69E-04	3.07E-04	1.69E-05	2.61E-05	5.04E-05	2.53E-06	2.54E-05	4.33E-05	3.21E-06	1.44E-05	2.39E-05	7.92E-07
5064	740912.63	4110926.43	1.72E-04	3.13E-04	1.72E-05	2.66E-05	5.13E-05	2.58E-06	2.59E-05	4.41E-05	3.27E-06	1.47E-05	2.43E-05	8.06E-07
5065	740892.87	4110912.78	1.74E-04	3.17E-04	1.74E-05	2.70E-05	5.20E-05	2.61E-06	2.62E-05	4.47E-05	3.31E-06	1.49E-05	2.47E-05	8.17E-07
5066	740873.11	4110899.13	1.75E-04	3.20E-04	1.75E-05	2.72E-05	5.24E-05	2.63E-06	2.64E-05	4.51E-05	3.34E-06	1.50E-05	2.49E-05	8.24E-07
5067	740853.34	4110885.48	1.76E-04	3.21E-04	1.76E-05	2.73E-05	5.26E-05	2.64E-06	2.66E-05	4.53E-05	3.36E-06	1.51E-05	2.50E-05	8.27E-07
5068	742653.84	4111252.19	5.00E-05	9.11E-05	5.00E-06	7.75E-06	1.49E-05	7.50E-07	7.54E-06	1.29E-05	9.53E-07	4.28E-06	7.09E-06	2.35E-07
5069	742673.95	4111238.7	4.95E-05	9.03E-05	4.96E-06	7.68E-06	1.48E-05	7.44E-07	7.47E-06	1.27E-05	9.44E-07	4.25E-06	7.03E-06	2.33E-07
5070	742694.06	4111225.2	4.91E-05	8.96E-05	4.92E-06	7.62E-06	1.47E-05	7.38E-07	7.41E-06	1.26E-05	9.36E-07	4.21E-06	6.97E-06	2.31E-07
5071	742714.17	4111211.71	4.89E-05	8.90E-05	4.89E-06	7.58E-06	1.46E-05	7.33E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
5072	742734.28	4111198.22	4.88E-05	8.88E-05	4.88E-06	7.56E-06	1.46E-05	7.32E-07	7.35E-06	1.25E-05	9.29E-07	4.18E-06	6.91E-06	2.29E-07
5073	742754.39	4111184.73	4.89E-05	8.91E-05	4.89E-06	7.58E-06	1.46E-05	7.34E-07	7.37E-06	1.26E-05	9.31E-07	4.19E-06	6.93E-06	2.30E-07
5074	742774.5	4111171.23	4.93E-05	8.99E-05	4.93E-06	7.65E-06	1.47E-05	7.40E-07	7.44E-06	1.27E-05	9.40E-07	4.23E-06	6.99E-06	2.32E-07
5075	742794.61	4111157.74	5.01E-05	9.13E-05	5.01E-06	7.77E-06	1.50E-05	7.52E-07	7.55E-06	1.29E-05	9.55E-07	4.29E-06	7.10E-06	2.35E-07
5076	742814.72	4111144.25	5.13E-05	9.34E-05	5.13E-06	7.95E-06	1.53E-05	7.69E-07	7.73E-06	1.32E-05	9.77E-07	4.39E-06	7.27E-06	2.41E-07
5077	742834.83	4111130.76	5.28E-05	9.61E-05	5.28E-06	8.18E-06	1.58E-05	7.92E-07	7.96E-06	1.36E-05	1.01E-06	4.52E-06	7.48E-06	2.48E-07
5078	742854.94	4111117.27	5.45E-05	9.93E-05	5.45E-06	8.45E-06	1.63E-05	8.18E-07	8.22E-06	1.40E-05	1.04E-06	4.67E-06	7.73E-06	2.56E-07
5079	742875.05	4111103.77	5.64E-05	1.03E-04	5.65E-06	8.75E-06	1.69E-05	8.47E-07	8.51E-06	1.45E-05	1.08E-06	4.84E-06	8.00E-06	2.65E-07
5080	742895.16	4111090.28	5.84E-05	1.06E-04	5.84E-06	9.05E-06	1.74E-05	8.76E-07	8.80E-06	1.50E-05	1.11E-06	5.00E-06	8.28E-06	2.74E-07
5081	742915.27	4111076.79	6.03E-05	1.10E-04	6.03E-06	9.34E-06	1.80E-05	9.04E-07	9.09E-06	1.55E-05	1.15E-06	5.16E-06	8.54E-06	2.83E-07
5082	742741.95	4111422.82	4.12E-05	7.50E-05	4.12E-06	6.39E-06	1.23E-05	6.18E-07	6.21E-06	1.06E-05	7.85E-07	3.53E-06	5.84E-06	1.94E-07
5083	742718.64	4111427.36	4.18E-05	7.61E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.96E-07	3.58E-06	5.92E-06	1.96E-07
5084	742695.32	4111431.9	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.63E-06	6.00E-06	1.99E-07
5085	742672	4111436.45	4.29E-05	7.81E-05	4.29E-06	6.65E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.17E-07	3.67E-06	6.08E-06	2.01E-07
5086	742648.68	4111440.99	4.34E-05	7.91E-05	4.34E-06	6.73E-06	1.30E-05	6.51E-07	6.54E-06	1.12E-05	8.27E-07	3.72E-06	6.15E-06	2.04E-07
5087	742625.37	4111445.54	4.40E-05	8.01E-05	4.40E-06	6.82E-06	1.31E-05	6.60E-07	6.63E-06	1.13E-05	8.38E-07	3.77E-06	6.23E-06	2.07E-07
5088	742602.05	4111450.08	4.46E-05	8.12E-05	4.46E-06	6.91E-06	1.33E-05	6.69E-07	6.72E-06	1.15E-05	8.49E-07	3.82E-06	6.32E-06	2.09E-07
5089	742578.73	4111454.63	4.53E-05	8.25E-05	4.53E-06	7.02E-06	1.35E-05	6.79E-07	6.83E-06	1.16E-05	8.63E-07	3.88E-06	6.42E-06	2.13E-07
5090	742555.42	4111459.17	4.60E-05	8.39E-05	4.61E-06	7.14E-06	1.38E-05	6.91E-07	6.94E-06	1.18E-05	8.77E-07	3.95E-06	6.53E-06	2.16E-07
5091	742532.1	4111463.71	4.70E-05	8.56E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.95E-07	4.02E-06	6.66E-06	2.21E-07
5092	742508.78	4111468.26	4.80E-05	8.75E-05	4.80E-06	7.45E-06	1.43E-05	7.21E-07	7.24E-06	1.23E-05	9.15E-07	4.11E-06	6.81E-06	2.26E-07
5093	742485.47	4111472.8	4.92E-05	8.97E-05	4.92E-06	7.63E-06	1.47E-05	7.38E-07	7.42E-06	1.26E-05	9.38E-07	4.22E-06	6.98E-06	2.31E-07
5094	742462.15	4111477.35	5.05E-05	9.20E-05	5.05E-06	7.83E-06	1.51E-05	7.58E-07	7.61E-06	1.30E-05	9.62E-07	4.33E-06	7.16E-06	2.37E-07
5095	742438.83	4111481.89	5.19E-05	9.45E-05	5.19E-06	8.04E-06	1.55E-05	7.79E-07	7.82E-06	1.33E-05	9.88E-07	4.44E-06	7.36E-06	2.44E-07
5096	742415.51	4111486.43	5.33E-05	9.71E-05	5.33E-06	8.27E-06	1.59E-05	8.00E-07	8.04E-06	1.37E-05	1.02E-06	4.57E-06	7.56E-06	2.50E-07
5097	742392.2	4111490.98	5.47E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
5098	742368.88	4111495.52	5.62E-05	1.02E-04	5.62E-06	8.71E-06	1.68E-05	8.43E-07	8.47E-06	1.44E-05	1.07E-06	4.81E-06	7.97E-06	2.64E-07
5099	742345.56	4111500.07	5.76E-05	1.05E-04	5.76E-06	8.93E-06	1.72E-05	8.64E-07	8.68E-06	1.48E-05	1.10E-06	4.93E-06	8.16E-06	2.71E-07
5100	742322.25	4111504.61	5.89E-05	1.07E-04	5.90E-06	9.14E-06	1.76E-05	8.84E-07	8.89E-06	1.51E-05	1.12E-06	5.05E-06	8.35E-06	2.77E-07
5101	742298.93	4111509.16	6.02E-05	1.10E-04	6.02E-06	9.33E-06	1.80E-05	9.03E-07	9.08E-06	1.55E-05	1.15E-06	5.16E-06	8.53E-06	2.83E-07
5102	742275.61	4111513.7	6.13E-05	1.12E-04	6.14E-06	9.51E-06	1.83E-05	9.21E-07	9.25E-06	1.58E-05	1.17E-06	5.26E-06	8.70E-06	2.88E-07
5103	742252.3	4111518.24	6.24E-05	1.14E-04	6.24E-06	9.67E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
5104	742228.98	4111522.79	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
5105	742205.66	4111527.33	6.41E-05	1.17E-04	6.41E-06	9.94E-06	1.91E-05	9.62E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5106	742182.34	4111531.88	6.47E-05	1.18E-04	6.48E-06	1.00E-05	1.93E-05	9.71E-07	9.76E-06	1.66E-05	1.23E-06	5.55E-06	9.18E-06	3.04E-07

5107	742159.03	4111536.42	6.52E-05	1.19E-04	6.53E-06	1.01E-05	1.95E-05	9.79E-07	9.84E-06	1.68E-05	1.24E-06	5.59E-06	9.25E-06	3.07E-07
5108	742135.71	4111540.96	6.57E-05	1.20E-04	6.58E-06	1.02E-05	1.96E-05	9.87E-07	9.91E-06	1.69E-05	1.25E-06	5.63E-06	9.32E-06	3.09E-07
5109	742112.39	4111545.51	6.63E-05	1.21E-04	6.63E-06	1.03E-05	1.98E-05	9.94E-07	9.99E-06	1.70E-05	1.26E-06	5.68E-06	9.40E-06	3.11E-07
5110	742089.08	4111550.05	6.68E-05	1.22E-04	6.69E-06	1.04E-05	2.00E-05	1.00E-06	1.01E-05	1.72E-05	1.27E-06	5.73E-06	9.48E-06	3.14E-07
5111	742065.76	4111554.6	6.75E-05	1.23E-04	6.75E-06	1.05E-05	2.02E-05	1.01E-06	1.02E-05	1.74E-05	1.29E-06	5.78E-06	9.57E-06	3.17E-07
5112	742042.44	4111559.14	6.83E-05	1.24E-04	6.84E-06	1.06E-05	2.04E-05	1.03E-06	1.03E-05	1.76E-05	1.30E-06	5.85E-06	9.69E-06	3.21E-07
5113	742019.13	4111563.69	6.92E-05	1.26E-04	6.93E-06	1.07E-05	2.07E-05	1.04E-06	1.04E-05	1.78E-05	1.32E-06	5.93E-06	9.82E-06	3.25E-07
5114	741995.81	4111568.23	7.03E-05	1.28E-04	7.03E-06	1.09E-05	2.10E-05	1.05E-06	1.06E-05	1.81E-05	1.34E-06	6.02E-06	9.96E-06	3.30E-07
5115	741972.49	4111572.77	7.14E-05	1.30E-04	7.14E-06	1.11E-05	2.13E-05	1.07E-06	1.08E-05	1.83E-05	1.36E-06	6.12E-06	1.01E-05	3.35E-07
5116	741949.18	4111577.32	7.25E-05	1.32E-04	7.26E-06	1.12E-05	2.17E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.21E-06	1.03E-05	3.41E-07
5117	741925.86	4111581.86	7.37E-05	1.34E-04	7.37E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.89E-05	1.40E-06	6.31E-06	1.04E-05	3.46E-07
5118	741902.54	4111586.41	7.47E-05	1.36E-04	7.48E-06	1.16E-05	2.23E-05	1.12E-06	1.13E-05	1.92E-05	1.42E-06	6.40E-06	1.06E-05	3.51E-07
5119	741879.22	4111590.95	7.58E-05	1.38E-04	7.58E-06	1.17E-05	2.26E-05	1.14E-06	1.14E-05	1.95E-05	1.44E-06	6.49E-06	1.07E-05	3.56E-07
5120	741855.91	4111595.49	7.67E-05	1.40E-04	7.67E-06	1.19E-05	2.29E-05	1.15E-06	1.16E-05	1.97E-05	1.46E-06	6.57E-06	1.09E-05	3.60E-07
5121	741832.59	4111600.04	7.74E-05	1.41E-04	7.75E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.48E-06	6.63E-06	1.10E-05	3.64E-07
5122	741809.27	4111604.58	7.81E-05	1.42E-04	7.81E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.01E-05	1.49E-06	6.69E-06	1.11E-05	3.67E-07
5123	741785.96	4111609.13	7.86E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.11E-05	3.69E-07
5124	741762.64	4111613.67	7.91E-05	1.44E-04	7.91E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.77E-06	1.12E-05	3.72E-07
5125	741739.32	4111618.22	7.94E-05	1.45E-04	7.94E-06	1.23E-05	2.37E-05	1.19E-06	1.20E-05	2.04E-05	1.51E-06	6.80E-06	1.13E-05	3.73E-07
5126	741716.01	4111622.76	7.96E-05	1.45E-04	7.97E-06	1.23E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.82E-06	1.13E-05	3.74E-07
5127	741692.69	4111627.3	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07
5128	741669.37	4111631.85	7.98E-05	1.45E-04	7.99E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
5129	741646.05	4111636.39	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
5130	741603.19	4111627.44	8.08E-05	1.47E-04	8.09E-06	1.25E-05	2.41E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.92E-06	1.15E-05	3.80E-07
5131	741583.65	4111613.94	8.19E-05	1.49E-04	8.20E-06	1.27E-05	2.45E-05	1.23E-06	1.24E-05	2.11E-05	1.56E-06	7.02E-06	1.16E-05	3.85E-07
5132	741564.1	4111600.43	8.30E-05	1.51E-04	8.30E-06	1.29E-05	2.48E-05	1.25E-06	1.25E-05	2.13E-05	1.58E-06	7.11E-06	1.18E-05	3.90E-07
5133	741544.55	4111586.93	8.40E-05	1.53E-04	8.40E-06	1.30E-05	2.51E-05	1.26E-06	1.27E-05	2.16E-05	1.60E-06	7.19E-06	1.19E-05	3.95E-07
5134	741525.01	4111573.43	8.49E-05	1.55E-04	8.50E-06	1.32E-05	2.54E-05	1.27E-06	1.28E-05	2.18E-05	1.62E-06	7.28E-06	1.20E-05	3.99E-07
5135	741505.46	4111559.93	8.58E-05	1.56E-04	8.59E-06	1.33E-05	2.56E-05	1.29E-06	1.29E-05	2.21E-05	1.64E-06	7.36E-06	1.22E-05	4.03E-07
5136	741485.91	4111546.43	8.67E-05	1.58E-04	8.67E-06	1.34E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.43E-06	1.23E-05	4.07E-07
5137	741466.37	4111532.93	8.74E-05	1.59E-04	8.74E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
5138	741446.82	4111519.43	8.80E-05	1.60E-04	8.81E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
5139	741427.27	4111505.93	8.85E-05	1.61E-04	8.85E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.69E-06	7.58E-06	1.25E-05	4.16E-07
5140	741407.73	4111492.43	8.87E-05	1.62E-04	8.88E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
5141	741388.18	4111478.93	8.88E-05	1.62E-04	8.89E-06	1.38E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.61E-06	1.26E-05	4.17E-07
5142	741368.64	4111465.43	8.87E-05	1.62E-04	8.87E-06	1.37E-05	2.65E-05	1.33E-06	1.34E-05	2.28E-05	1.69E-06	7.60E-06	1.26E-05	4.17E-07
5143	741349.09	4111451.92	8.83E-05	1.61E-04	8.84E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.68E-06	7.57E-06	1.25E-05	4.15E-07
5144	741329.54	4111438.42	8.79E-05	1.60E-04	8.79E-06	1.36E-05	2.62E-05	1.32E-06	1.32E-05	2.26E-05	1.67E-06	7.53E-06	1.25E-05	4.13E-07
5145	741310	4111424.92	8.74E-05	1.59E-04	8.74E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
5146	741290.45	4111411.42	8.70E-05	1.58E-04	8.70E-06	1.35E-05	2.60E-05	1.31E-06	1.31E-05	2.24E-05	1.66E-06	7.45E-06	1.23E-05	4.09E-07
5147	741270.9	4111397.92	8.68E-05	1.58E-04	8.68E-06	1.35E-05	2.59E-05	1.30E-06	1.31E-05	2.23E-05	1.65E-06	7.44E-06	1.23E-05	4.08E-07
5148	741251.36	4111384.42	8.69E-05	1.58E-04	8.70E-06	1.35E-05	2.60E-05	1.30E-06	1.31E-05	2.23E-05	1.66E-06	7.45E-06	1.23E-05	4.08E-07
5149	741231.81	4111370.92	8.75E-05	1.59E-04	8.75E-06	1.36E-05	2.61E-05	1.31E-06	1.32E-05	2.25E-05	1.67E-06	7.49E-06	1.24E-05	4.11E-07
5150	741212.27	4111357.42	8.85E-05	1.61E-04	8.86E-06	1.37E-05	2.64E-05	1.33E-06	1.33E-05	2.27E-05	1.69E-06	7.58E-06	1.25E-05	4.16E-07
5151	741192.72	4111343.92	9.00E-05	1.64E-04	9.01E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.72E-06	7.71E-06	1.28E-05	4.23E-07
5152	741173.17	4111330.42	9.20E-05	1.68E-04	9.20E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.36E-05	1.75E-06	7.88E-06	1.30E-05	4.32E-07
5153	741153.63	4111316.92	9.43E-05	1.72E-04	9.44E-06	1.46E-05	2.82E-05	1.42E-06	1.42E-05	2.42E-05	1.80E-06	8.08E-06	1.34E-05	4.43E-07
5154	741134.08	4111303.42	9.69E-05	1.76E-04	9.69E-06	1.50E-05	2.89E-05	1.45E-06	1.46E-05	2.49E-05	1.85E-06	8.30E-06	1.37E-05	4.55E-07
5155	741114.53	4111289.91	9.95E-05	1.81E-04	9.95E-06	1.54E-05	2.97E-05	1.49E-06	1.50E-05	2.56E-05	1.90E-06	8.52E-06	1.41E-05	4.67E-07
5156	741094.99	4111276.41	1.02E-04	1.86E-04	1.02E-05	1.58E-05	3.05E-05	1.53E-06	1.54E-05	2.62E-05	1.94E-06	8.74E-06	1.45E-05	4.79E-07
5157	741075.44	4111262.91	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.56E-06	1.57E-05	2.68E-05	1.99E-06	8.93E-06	1.48E-05	4.90E-07
5158	741055.9	4111249.41	1.06E-04	1.94E-04	1.06E-05	1.65E-05	3.18E-05	1.60E-06	1.60E-05	2.73E-05	2.03E-06	9.11E-06	1.51E-05	5.00E-07
5159	741036.35	4111235.91	1.08E-04	1.97E-04	1.08E-05	1.67E-05	3.23E-05	1.62E-06	1.63E-05	2.78E-05	2.06E-06	9.25E-06	1.53E-05	5.07E-07
5160	741016.8	4111222.41	1.10E-04	2.00E-04	1.10E-05	1.70E-05	3.27E-05	1.64E-06	1.65E-05	2.82E-05	2.09E-06	9.39E-06	1.55E-05	5.15E-07
5161	740997.26	4111208.91	1.11E-04	2.02E-04	1.11E-05	1.72E-05	3.32E-05	1.67E-06	1.67E-05	2.85E-05	2.12E-06	9.51E-06	1.57E-05	5.22E-07
5162	740977.71	4111195.41	1.13E-04	2.05E-04	1.13E-05	1.74E-05	3.36E-05	1.69E-06	1.70E-05	2.89E-05	2.14E-06	9.64E-06	1.60E-05	5.29E-07
5163	740958.16	4111181.91	1.14E-04	2.08E-04	1.14E-05	1.77E-05	3.41E-05	1.71E-06	1.72E-05	2.94E-05	2.18E-06	9.79E-06	1.62E-05	5.37E-07
5164	740938.62	4111168.41	1.16E-04	2.12E-04	1.16E-05	1.80E-05	3.47E-05	1.74E-06	1.75E-05	2.99E-05	2.21E-06	9.96E-06	1.65E-05	5.46E-07
5165	740919.07	4111154.91	1.19E-04	2.16E-04	1.19E-05	1.84E-05	3.54E-05	1.78E-06	1.79E-05	3.05E-05	2.26E-06	1.02E-05	1.68E-05	5.57E-07
5166	740899.53	4111141.4	1.21E-04	2.21E-04	1.21E-05	1.88E-05	3.62E-05	1.82E-06	1.83E-05	3.12E-05	2.31E-06	1.04E-05	1.72E-05	5.70E-07
5167	740879.98	4111127.9	1.24E-04	2.27E-04	1.24E-05	1.93E-05	3.71E-05	1.87E-06	1.87E-05	3.20E-05	2.37E-06	1.07E-05	1.76E-05	5.84E-07
5168	740860.43	4111114.4	1.28E-04	2.32E-04	1.28E-05	1.98E-05	3.81E-05	1.91E-06	1.92E-05	3.28E-05	2.43E-06	1.09E-05	1.81E-05	5.99E-07
5169	740840.89	4111100.9	1.31E-04	2.38E-04	1.31E-05	2.03E-05	3.91E-05	1.96E-06	1.97E-05	3.36E-05	2.49E-06	1.12E-05	1.85E-05	6.15E-07
5170	740821.34	4111087.4	1.34E-04	2.44E-04	1.34E-05	2.08E-05	4.00E-05	2.01E-06	2.02E-05	3.44E-05	2.55E-06	1.15E-05	1.90E-05	6.29E-07
5171	740801.79	4111073.9	1.37E-04	2.49E-04	1.37E-05	2.12E-05	4.09E-05	2.05E-06	2.06E-05	3.52E-05	2.61E-06	1.17E-05	1.94E-05	6.43E-07
5172	740782.25	4111060.4	1.39E-04	2.54E-04	1.39E-05	2.16E-05	4.16E-05	2.09E-06	2.10E-05	3.58E-05	2.65E-06	1.19E-05	1.97E-05	6.54E-07
5173	740762.7	4111046.9	1.41E-04	2.58E-04	1.41E-05	2.19E-05	4.22E-05	2.12E-06	2.13E-05	3.63E-05	2.69E-06	1.21E-05	2.00E-05	6.64E-07
5174	740743.15	4111033.4	1.43E-04	2.61E-04	1.43E-05	2.22E-05	4.27E-05	2.15E-06	2.16E-05	3.68E-05	2.73E-06	1.23E-05	2.03E-05	6.72E-07
5175	740723.61	4111019.9	1.44E-04	2.63E-04	1.44E-05	2.24E-05	4.31E-05	2.16E-06	2.17E-05	3.71E-05	2.75E-06	1.24E-05	2.04E-05	6.77E-07
5176	740704.06	4111006.4	1.45E-04	2.64E-04	1.45E-05	2.24E-05	4.32E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
5177	740684.52	4110992.9	1.45E-04	2.64E-04	1.45E-05	2.25E-05	4.33E-05	2.17E-06	2.18E-05	3.72E-05	2.76E-06	1.24E-05	2.05E-05	6.80E-07
5178	742765.27	4111418.27	4.06E-05	7.39E-05	4.06E-06	6.29E-06	1.21E-05	6.09E-07	6.12E-06	1.04E-05	7.73E-07	3.48E-06	5.75E-06	1.91E-07
5179	742785.38	4111404.78	4.03E-05	7.34E-05	4.03E-06	6.25E-06	1.20E-05	6.05E-07	6.08E-06	1.04E-05	7.68E-07	3.45E-06	5.71E-06	1.89E-07

5180	742805.49	4111391.29	4.00E-05	7.29E-05	4.00E-06	6.20E-06	1.19E-05	6.00E-07	6.03E-06	1.03E-05	7.62E-07	3.43E-06	5.67E-06	1.88E-07
5181	742825.6	4111377.79	3.97E-05	7.23E-05	3.97E-06	6.16E-06	1.19E-05	5.96E-07	5.99E-06	1.02E-05	7.57E-07	3.40E-06	5.63E-06	1.87E-07
5182	742845.71	4111364.3	3.95E-05	7.20E-05	3.95E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.38E-06	5.60E-06	1.86E-07
5183	742865.82	4111350.81	3.94E-05	7.18E-05	3.94E-06	6.11E-06	1.18E-05	5.91E-07	5.94E-06	1.01E-05	7.51E-07	3.38E-06	5.59E-06	1.85E-07
5184	742885.93	4111337.32	3.95E-05	7.20E-05	3.95E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.38E-06	5.60E-06	1.86E-07
5185	742906.04	4111323.83	3.98E-05	7.26E-05	3.99E-06	6.18E-06	1.19E-05	5.98E-07	6.01E-06	1.02E-05	7.59E-07	3.41E-06	5.65E-06	1.87E-07
5186	742926.15	4111310.33	4.05E-05	7.38E-05	4.05E-06	6.28E-06	1.21E-05	6.08E-07	6.11E-06	1.04E-05	7.72E-07	3.47E-06	5.74E-06	1.90E-07
5187	742946.26	4111296.84	4.15E-05	7.56E-05	4.15E-06	6.43E-06	1.24E-05	6.23E-07	6.26E-06	1.07E-05	7.90E-07	3.55E-06	5.88E-06	1.95E-07
5188	742966.37	4111283.35	4.27E-05	7.79E-05	4.28E-06	6.63E-06	1.28E-05	6.41E-07	6.45E-06	1.10E-05	8.14E-07	3.66E-06	6.06E-06	2.01E-07
5189	742986.48	4111269.86	4.42E-05	8.06E-05	4.43E-06	6.86E-06	1.32E-05	6.64E-07	6.67E-06	1.14E-05	8.43E-07	3.79E-06	6.27E-06	2.08E-07
5190	743006.59	4111256.36	4.59E-05	8.36E-05	4.59E-06	7.12E-06	1.37E-05	6.89E-07	6.92E-06	1.18E-05	8.75E-07	3.93E-06	6.51E-06	2.16E-07
5191	743026.7	4111242.87	4.76E-05	8.68E-05	4.77E-06	7.39E-06	1.42E-05	7.15E-07	7.18E-06	1.22E-05	9.08E-07	4.08E-06	6.75E-06	2.24E-07
5192	742964.4	4111755.06	2.96E-05	5.40E-05	2.97E-06	4.60E-06	8.85E-06	4.45E-07	4.47E-06	7.62E-06	5.65E-07	2.54E-06	4.20E-06	1.39E-07
5193	742940.68	4111759.68	2.99E-05	5.46E-05	3.00E-06	4.64E-06	8.95E-06	4.49E-07	4.52E-06	7.70E-06	5.71E-07	2.57E-06	4.25E-06	1.41E-07
5194	742916.95	4111764.31	3.02E-05	5.50E-05	3.02E-06	4.68E-06	9.02E-06	4.53E-07	4.55E-06	7.76E-06	5.75E-07	2.59E-06	4.28E-06	1.42E-07
5195	742893.23	4111768.93	3.04E-05	5.54E-05	3.04E-06	4.71E-06	9.08E-06	4.56E-07	4.58E-06	7.81E-06	5.79E-07	2.60E-06	4.31E-06	1.43E-07
5196	742869.5	4111773.56	3.05E-05	5.57E-05	3.06E-06	4.74E-06	9.13E-06	4.58E-07	4.61E-06	7.85E-06	5.82E-07	2.62E-06	4.33E-06	1.44E-07
5197	742845.78	4111778.18	3.07E-05	5.59E-05	3.07E-06	4.76E-06	9.17E-06	4.60E-07	4.63E-06	7.89E-06	5.85E-07	2.63E-06	4.35E-06	1.44E-07
5198	742822.05	4111782.8	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.20E-06	4.62E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
5199	742798.33	4111787.43	3.09E-05	5.64E-05	3.10E-06	4.80E-06	9.24E-06	4.64E-07	4.67E-06	7.95E-06	5.90E-07	2.65E-06	4.39E-06	1.45E-07
5200	742774.61	4111792.05	3.11E-05	5.67E-05	3.11E-06	4.83E-06	9.30E-06	4.67E-07	4.69E-06	8.00E-06	5.93E-07	2.67E-06	4.41E-06	1.46E-07
5201	742750.88	4111796.67	3.14E-05	5.71E-05	3.14E-06	4.86E-06	9.37E-06	4.71E-07	4.73E-06	8.06E-06	5.98E-07	2.69E-06	4.45E-06	1.47E-07
5202	742727.16	4111801.3	3.17E-05	5.78E-05	3.17E-06	4.92E-06	9.47E-06	4.76E-07	4.78E-06	8.15E-06	6.04E-07	2.72E-06	4.49E-06	1.49E-07
5203	742703.43	4111805.92	3.21E-05	5.86E-05	3.22E-06	4.98E-06	9.60E-06	4.82E-07	4.85E-06	8.26E-06	6.12E-07	2.75E-06	4.56E-06	1.51E-07
5204	742679.71	4111810.54	3.27E-05	5.95E-05	3.27E-06	5.07E-06	9.76E-06	4.90E-07	4.93E-06	8.40E-06	6.23E-07	2.80E-06	4.63E-06	1.54E-07
5205	742655.98	4111815.17	3.33E-05	6.07E-05	3.33E-06	5.17E-06	9.95E-06	5.00E-07	5.02E-06	8.57E-06	6.35E-07	2.86E-06	4.72E-06	1.57E-07
5206	742632.26	4111819.79	3.41E-05	6.21E-05	3.41E-06	5.28E-06	1.02E-05	5.11E-07	5.14E-06	8.76E-06	6.49E-07	2.92E-06	4.83E-06	1.60E-07
5207	742608.53	4111824.42	3.49E-05	6.36E-05	3.49E-06	5.42E-06	1.04E-05	5.24E-07	5.27E-06	8.98E-06	6.66E-07	2.99E-06	4.95E-06	1.64E-07
5208	742584.81	4111829.04	3.58E-05	6.53E-05	3.59E-06	5.56E-06	1.07E-05	5.38E-07	5.41E-06	9.22E-06	6.83E-07	3.07E-06	5.08E-06	1.68E-07
5209	742561.08	4111833.66	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.53E-07	5.55E-06	9.47E-06	7.02E-07	3.16E-06	5.22E-06	1.73E-07
5210	742537.36	4111838.29	3.79E-05	6.90E-05	3.79E-06	5.87E-06	1.13E-05	5.68E-07	5.71E-06	9.73E-06	7.22E-07	3.24E-06	5.37E-06	1.78E-07
5211	742513.63	4111842.91	3.89E-05	7.09E-05	3.89E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
5212	742489.91	4111847.53	4.00E-05	7.29E-05	4.00E-06	6.20E-06	1.19E-05	6.00E-07	6.03E-06	1.03E-05	7.62E-07	3.43E-06	5.67E-06	1.88E-07
5213	742466.18	4111852.16	4.10E-05	7.48E-05	4.11E-06	6.37E-06	1.23E-05	6.16E-07	6.19E-06	1.06E-05	7.82E-07	3.52E-06	5.82E-06	1.93E-07
5214	742442.46	4111856.78	4.21E-05	7.67E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.02E-07	3.61E-06	5.97E-06	1.98E-07
5215	742418.73	4111861.41	4.30E-05	7.84E-05	4.31E-06	6.67E-06	1.29E-05	6.46E-07	6.49E-06	1.11E-05	8.20E-07	3.69E-06	6.10E-06	2.02E-07
5216	742395.01	4111866.03	4.39E-05	8.00E-05	4.39E-06	6.81E-06	1.31E-05	6.59E-07	6.62E-06	1.13E-05	8.37E-07	3.76E-06	6.22E-06	2.06E-07
5217	742371.29	4111870.65	4.47E-05	8.14E-05	4.47E-06	6.93E-06	1.33E-05	6.71E-07	6.74E-06	1.15E-05	8.51E-07	3.83E-06	6.33E-06	2.10E-07
5218	742347.56	4111875.28	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
5219	742323.84	4111879.9	4.59E-05	8.36E-05	4.59E-06	7.11E-06	1.37E-05	6.88E-07	6.92E-06	1.18E-05	8.74E-07	3.93E-06	6.50E-06	2.16E-07
5220	742300.11	4111884.52	4.63E-05	8.43E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.82E-07	3.97E-06	6.56E-06	2.18E-07
5221	742276.39	4111889.15	4.66E-05	8.49E-05	4.66E-06	7.22E-06	1.39E-05	6.99E-07	7.02E-06	1.20E-05	8.88E-07	3.99E-06	6.60E-06	2.19E-07
5222	742252.66	4111893.77	4.68E-05	8.53E-05	4.68E-06	7.26E-06	1.40E-05	7.02E-07	7.06E-06	1.20E-05	8.92E-07	4.01E-06	6.63E-06	2.20E-07
5223	742228.94	4111898.39	4.69E-05	8.55E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.94E-07	4.02E-06	6.66E-06	2.21E-07
5224	742205.21	4111903.02	4.71E-05	8.57E-05	4.71E-06	7.30E-06	1.41E-05	7.06E-07	7.10E-06	1.21E-05	8.97E-07	4.03E-06	6.67E-06	2.21E-07
5225	742181.49	4111907.64	4.72E-05	8.59E-05	4.72E-06	7.31E-06	1.41E-05	7.08E-07	7.11E-06	1.21E-05	8.99E-07	4.04E-06	6.69E-06	2.22E-07
5226	742157.76	4111912.27	4.73E-05	8.62E-05	4.73E-06	7.34E-06	1.41E-05	7.10E-07	7.14E-06	1.22E-05	9.02E-07	4.05E-06	6.71E-06	2.22E-07
5227	742134.04	4111916.89	4.75E-05	8.66E-05	4.76E-06	7.37E-06	1.42E-05	7.13E-07	7.17E-06	1.22E-05	9.06E-07	4.07E-06	6.74E-06	2.23E-07
5228	742110.31	4111921.51	4.78E-05	8.71E-05	4.78E-06	7.41E-06	1.43E-05	7.18E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
5229	742086.59	4111926.14	4.82E-05	8.78E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.26E-06	1.24E-05	9.18E-07	4.13E-06	6.83E-06	2.26E-07
5230	742062.86	4111930.76	4.86E-05	8.86E-05	4.87E-06	7.54E-06	1.45E-05	7.30E-07	7.33E-06	1.25E-05	9.27E-07	4.17E-06	6.90E-06	2.29E-07
5231	742039.14	4111935.38	4.92E-05	8.96E-05	4.92E-06	7.62E-06	1.47E-05	7.38E-07	7.41E-06	1.26E-05	9.37E-07	4.21E-06	6.97E-06	2.31E-07
5232	742015.41	4111940.01	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
5233	741991.69	4111944.63	5.05E-05	9.19E-05	5.05E-06	7.83E-06	1.51E-05	7.57E-07	7.61E-06	1.30E-05	9.62E-07	4.32E-06	7.15E-06	2.37E-07
5234	741967.97	4111949.25	5.12E-05	9.33E-05	5.12E-06	7.94E-06	1.53E-05	7.68E-07	7.72E-06	1.32E-05	9.76E-07	4.39E-06	7.26E-06	2.41E-07
5235	741944.24	4111953.88	5.20E-05	9.47E-05	5.20E-06	8.06E-06	1.55E-05	7.80E-07	7.83E-06	1.34E-05	9.90E-07	4.45E-06	7.37E-06	2.44E-07
5236	741920.52	4111958.5	5.27E-05	9.60E-05	5.27E-06	8.17E-06	1.57E-05	7.91E-07	7.95E-06	1.35E-05	1.00E-06	4.52E-06	7.47E-06	2.48E-07
5237	741896.79	4111963.13	5.34E-05	9.73E-05	5.35E-06	8.28E-06	1.60E-05	8.02E-07	8.06E-06	1.37E-05	1.02E-06	4.58E-06	7.57E-06	2.51E-07
5238	741873.07	4111967.75	5.41E-05	9.86E-05	5.41E-06	8.39E-06	1.62E-05	8.12E-07	8.16E-06	1.39E-05	1.03E-06	4.64E-06	7.67E-06	2.54E-07
5239	741849.34	4111972.37	5.48E-05	9.98E-05	5.48E-06	8.49E-06	1.64E-05	8.22E-07	8.26E-06	1.41E-05	1.04E-06	4.69E-06	7.76E-06	2.57E-07
5240	741825.62	4111977	5.53E-05	1.01E-04	5.54E-06	8.58E-06	1.65E-05	8.31E-07	8.34E-06	1.42E-05	1.05E-06	4.74E-06	7.85E-06	2.60E-07
5241	741801.89	4111981.62	5.58E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.38E-07	8.42E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.62E-07
5242	741778.17	4111986.24	5.63E-05	1.03E-04	5.63E-06	8.73E-06	1.68E-05	8.45E-07	8.49E-06	1.45E-05	1.07E-06	4.82E-06	7.98E-06	2.65E-07
5243	741754.44	4111990.87	5.67E-05	1.03E-04	5.67E-06	8.79E-06	1.69E-05	8.51E-07	8.55E-06	1.46E-05	1.08E-06	4.86E-06	8.04E-06	2.66E-07
5244	741730.72	4111995.49	5.70E-05	1.04E-04	5.71E-06	8.84E-06	1.70E-05	8.56E-07	8.60E-06	1.47E-05	1.09E-06	4.89E-06	8.09E-06	2.68E-07
5245	741706.99	4112000.11	5.74E-05	1.05E-04	5.74E-06	8.89E-06	1.71E-05	8.61E-07	8.65E-06	1.47E-05	1.09E-06	4.91E-06	8.13E-06	2.70E-07
5246	741683.27	4112004.74	5.77E-05	1.05E-04	5.77E-06	8.94E-06	1.72E-05	8.65E-07	8.70E-06	1.48E-05	1.10E-06	4.94E-06	8.18E-06	2.71E-07
5247	741659.54	4112009.36	5.79E-05	1.05E-04	5.79E-06	8.97E-06	1.73E-05	8.68E-07	8.73E-06	1.49E-05	1.10E-06	4.96E-06	8.20E-06	2.72E-07
5248	741635.82	4112013.99	5.80E-05	1.06E-04	5.80E-06	9.00E-06	1.73E-05	8.71E-07	8.75E-06	1.49E-05	1.11E-06	4.97E-06	8.22E-06	2.73E-07
5249	741612.1	4112018.61	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
5250	741588.37	4112023.23	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.23E-06	2.73E-07
5251	741564.65	4112027.86	5.81E-05	1.06E-04	5.81E-06	9.01E-06	1.74E-05	8.72E-07	8.76E-06	1.49E-05	1.11E-06	4.98E-06	8.24E-06	2.73E-07
5252	741521.03	4112018.74	5.87E-05	1.07E-04	5.87E-06	9.10E-06	1.75E-05	8.81E-07	8.85E-06	1.51E-05	1.12E-06	5.03E-06	8.32E-06	2.76E-07

5253	741501.14	4112005.01	5.93E-05	1.08E-04	5.93E-06	9.19E-06	1.77E-05	8.90E-07	8.94E-06	1.52E-05	1.13E-06	5.08E-06	8.41E-06	2.79E-07
5254	741481.26	4111991.27	5.99E-05	1.09E-04	5.99E-06	9.28E-06	1.79E-05	8.98E-07	9.03E-06	1.54E-05	1.14E-06	5.13E-06	8.49E-06	2.81E-07
5255	741461.37	4111977.53	6.04E-05	1.10E-04	6.05E-06	9.37E-06	1.81E-05	9.07E-07	9.11E-06	1.55E-05	1.15E-06	5.18E-06	8.57E-06	2.84E-07
5256	741441.48	4111963.8	6.10E-05	1.11E-04	6.10E-06	9.46E-06	1.82E-05	9.15E-07	9.20E-06	1.57E-05	1.16E-06	5.23E-06	8.65E-06	2.87E-07
5257	741421.59	4111950.06	6.16E-05	1.12E-04	6.16E-06	9.55E-06	1.84E-05	9.24E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.73E-06	2.89E-07
5258	741401.7	4111936.32	6.21E-05	1.13E-04	6.22E-06	9.63E-06	1.86E-05	9.32E-07	9.37E-06	1.60E-05	1.18E-06	5.32E-06	8.81E-06	2.92E-07
5259	741381.82	4111922.58	6.27E-05	1.14E-04	6.28E-06	9.73E-06	1.87E-05	9.41E-07	9.46E-06	1.61E-05	1.20E-06	5.37E-06	8.89E-06	2.95E-07
5260	741361.93	4111908.85	6.33E-05	1.15E-04	6.33E-06	9.82E-06	1.89E-05	9.50E-07	9.55E-06	1.63E-05	1.21E-06	5.42E-06	8.98E-06	2.98E-07
5261	741342.04	4111895.11	6.39E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.59E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.06E-06	3.00E-07
5262	741322.15	4111881.37	6.44E-05	1.17E-04	6.44E-06	9.98E-06	1.92E-05	9.66E-07	9.71E-06	1.65E-05	1.23E-06	5.52E-06	9.13E-06	3.03E-07
5263	741302.26	4111867.64	6.48E-05	1.18E-04	6.48E-06	1.00E-05	1.94E-05	9.72E-07	9.77E-06	1.67E-05	1.23E-06	5.55E-06	9.18E-06	3.04E-07
5264	741282.38	4111853.9	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
5265	741262.49	4111840.16	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.78E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
5266	741242.6	4111826.43	6.52E-05	1.19E-04	6.52E-06	1.01E-05	1.95E-05	9.79E-07	9.83E-06	1.68E-05	1.24E-06	5.59E-06	9.24E-06	3.06E-07
5267	741222.71	4111812.69	6.51E-05	1.19E-04	6.51E-06	1.01E-05	1.94E-05	9.76E-07	9.81E-06	1.67E-05	1.24E-06	5.57E-06	9.22E-06	3.06E-07
5268	741202.82	4111798.95	6.48E-05	1.18E-04	6.48E-06	1.00E-05	1.94E-05	9.72E-07	9.77E-06	1.67E-05	1.23E-06	5.55E-06	9.19E-06	3.04E-07
5269	741182.94	4111785.21	6.44E-05	1.17E-04	6.44E-06	9.99E-06	1.92E-05	9.66E-07	9.71E-06	1.66E-05	1.23E-06	5.52E-06	9.13E-06	3.03E-07
5270	741163.05	4111771.48	6.39E-05	1.16E-04	6.39E-06	9.91E-06	1.91E-05	9.59E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.06E-06	3.00E-07
5271	741143.16	4111757.74	6.34E-05	1.15E-04	6.34E-06	9.83E-06	1.89E-05	9.51E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.98E-06	2.98E-07
5272	741123.27	4111744	6.29E-05	1.15E-04	6.29E-06	9.75E-06	1.88E-05	9.44E-07	9.48E-06	1.62E-05	1.20E-06	5.39E-06	8.91E-06	2.95E-07
5273	741103.38	4111730.27	6.24E-05	1.14E-04	6.25E-06	9.68E-06	1.87E-05	9.37E-07	9.42E-06	1.61E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
5274	741083.5	4111716.53	6.22E-05	1.13E-04	6.23E-06	9.65E-06	1.86E-05	9.34E-07	9.38E-06	1.60E-05	1.19E-06	5.33E-06	8.82E-06	2.92E-07
5275	741063.61	4111702.79	6.23E-05	1.13E-04	6.23E-06	9.66E-06	1.86E-05	9.34E-07	9.39E-06	1.60E-05	1.19E-06	5.34E-06	8.83E-06	2.93E-07
5276	741043.72	4111689.06	6.26E-05	1.14E-04	6.26E-06	9.71E-06	1.87E-05	9.39E-07	9.44E-06	1.61E-05	1.19E-06	5.36E-06	8.87E-06	2.94E-07
5277	741023.83	4111675.32	6.33E-05	1.15E-04	6.33E-06	9.81E-06	1.89E-05	9.49E-07	9.54E-06	1.63E-05	1.21E-06	5.42E-06	8.97E-06	2.97E-07
5278	741003.94	4111661.58	6.43E-05	1.17E-04	6.43E-06	9.97E-06	1.92E-05	9.65E-07	9.69E-06	1.65E-05	1.22E-06	5.51E-06	9.11E-06	3.02E-07
5279	740984.05	4111647.85	6.56E-05	1.20E-04	6.56E-06	1.02E-05	1.96E-05	9.84E-07	9.89E-06	1.69E-05	1.25E-06	5.62E-06	9.30E-06	3.08E-07
5280	740964.17	4111634.11	6.72E-05	1.22E-04	6.72E-06	1.04E-05	2.01E-05	1.01E-06	1.01E-05	1.73E-05	1.28E-06	5.76E-06	9.53E-06	3.16E-07
5281	740944.28	4111620.37	6.90E-05	1.26E-04	6.90E-06	1.07E-05	2.06E-05	1.04E-06	1.04E-05	1.77E-05	1.31E-06	5.91E-06	9.78E-06	3.24E-07
5282	740924.39	4111606.63	7.09E-05	1.29E-04	7.09E-06	1.10E-05	2.12E-05	1.06E-06	1.07E-05	1.82E-05	1.35E-06	6.07E-06	1.00E-05	3.33E-07
5283	740904.5	4111592.9	7.27E-05	1.32E-04	7.27E-06	1.13E-05	2.17E-05	1.09E-06	1.10E-05	1.87E-05	1.39E-06	6.23E-06	1.03E-05	3.42E-07
5284	740884.61	4111579.16	7.44E-05	1.36E-04	7.45E-06	1.15E-05	2.22E-05	1.12E-06	1.12E-05	1.91E-05	1.42E-06	6.38E-06	1.06E-05	3.50E-07
5285	740864.73	4111565.42	7.60E-05	1.38E-04	7.60E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.95E-05	1.45E-06	6.51E-06	1.08E-05	3.57E-07
5286	740844.84	4111551.69	7.73E-05	1.41E-04	7.73E-06	1.20E-05	2.31E-05	1.16E-06	1.17E-05	1.99E-05	1.47E-06	6.62E-06	1.10E-05	3.63E-07
5287	740824.95	4111537.95	7.83E-05	1.43E-04	7.84E-06	1.21E-05	2.34E-05	1.18E-06	1.18E-05	2.01E-05	1.49E-06	6.71E-06	1.11E-05	3.68E-07
5288	740805.06	4111524.21	7.92E-05	1.44E-04	7.92E-06	1.23E-05	2.36E-05	1.19E-06	1.19E-05	2.03E-05	1.51E-06	6.78E-06	1.12E-05	3.72E-07
5289	740785.17	4111510.48	7.98E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.84E-06	1.13E-05	3.75E-07
5290	740765.29	4111496.74	8.03E-05	1.46E-04	8.04E-06	1.25E-05	2.40E-05	1.21E-06	1.21E-05	2.06E-05	1.53E-06	6.88E-06	1.14E-05	3.77E-07
5291	740745.4	4111483	8.09E-05	1.47E-04	8.09E-06	1.25E-05	2.42E-05	1.21E-06	1.22E-05	2.08E-05	1.54E-06	6.93E-06	1.15E-05	3.80E-07
5292	740725.51	4111469.27	8.15E-05	1.49E-04	8.16E-06	1.26E-05	2.44E-05	1.22E-06	1.23E-05	2.10E-05	1.55E-06	6.98E-06	1.16E-05	3.83E-07
5293	740705.62	4111455.53	8.23E-05	1.50E-04	8.24E-06	1.28E-05	2.46E-05	1.24E-06	1.24E-05	2.12E-05	1.57E-06	7.05E-06	1.17E-05	3.87E-07
5294	740685.73	4111441.79	8.33E-05	1.52E-04	8.34E-06	1.29E-05	2.49E-05	1.25E-06	1.26E-05	2.14E-05	1.59E-06	7.14E-06	1.18E-05	3.92E-07
5295	740665.85	4111428.05	8.46E-05	1.54E-04	8.47E-06	1.31E-05	2.53E-05	1.27E-06	1.28E-05	2.18E-05	1.61E-06	7.25E-06	1.20E-05	3.98E-07
5296	740645.96	4111414.32	8.62E-05	1.57E-04	8.62E-06	1.34E-05	2.57E-05	1.29E-06	1.30E-05	2.22E-05	1.64E-06	7.39E-06	1.22E-05	4.05E-07
5297	740626.07	4111400.58	8.80E-05	1.60E-04	8.80E-06	1.36E-05	2.63E-05	1.32E-06	1.33E-05	2.26E-05	1.68E-06	7.54E-06	1.25E-05	4.14E-07
5298	740606.18	4111386.84	9.00E-05	1.64E-04	9.00E-06	1.40E-05	2.69E-05	1.35E-06	1.36E-05	2.31E-05	1.71E-06	7.71E-06	1.28E-05	4.23E-07
5299	740586.29	4111373.11	9.20E-05	1.68E-04	9.21E-06	1.43E-05	2.75E-05	1.38E-06	1.39E-05	2.37E-05	1.75E-06	7.89E-06	1.30E-05	4.33E-07
5300	740566.41	4111359.37	9.41E-05	1.71E-04	9.41E-06	1.46E-05	2.81E-05	1.41E-06	1.42E-05	2.42E-05	1.79E-06	8.06E-06	1.33E-05	4.42E-07
5301	740546.52	4111345.63	9.61E-05	1.75E-04	9.61E-06	1.49E-05	2.87E-05	1.44E-06	1.45E-05	2.47E-05	1.83E-06	8.23E-06	1.36E-05	4.51E-07
5302	740526.63	4111331.9	9.79E-05	1.78E-04	9.80E-06	1.52E-05	2.93E-05	1.47E-06	1.48E-05	2.52E-05	1.87E-06	8.39E-06	1.39E-05	4.60E-07
5303	740506.74	4111318.16	9.96E-05	1.82E-04	9.97E-06	1.54E-05	2.98E-05	1.50E-06	1.50E-05	2.56E-05	1.90E-06	8.54E-06	1.41E-05	4.68E-07
5304	740486.85	4111304.42	1.01E-04	1.84E-04	1.01E-05	1.57E-05	3.02E-05	1.52E-06	1.52E-05	2.60E-05	1.93E-06	8.66E-06	1.43E-05	4.75E-07
5305	740466.96	4111290.68	1.02E-04	1.86E-04	1.02E-05	1.59E-05	3.05E-05	1.53E-06	1.54E-05	2.63E-05	1.95E-06	8.76E-06	1.45E-05	4.80E-07
5306	740447.08	4111276.95	1.03E-04	1.88E-04	1.03E-05	1.60E-05	3.08E-05	1.55E-06	1.56E-05	2.65E-05	1.97E-06	8.84E-06	1.46E-05	4.85E-07
5307	740427.19	4111263.21	1.04E-04	1.89E-04	1.04E-05	1.61E-05	3.10E-05	1.56E-06	1.57E-05	2.67E-05	1.98E-06	8.90E-06	1.47E-05	4.88E-07
5308	740407.3	4111249.47	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.57E-06	1.57E-05	2.68E-05	1.99E-06	8.94E-06	1.48E-05	4.90E-07
5309	740387.41	4111235.74	1.05E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
5310	740367.52	4111222	1.05E-04	1.90E-04	1.05E-05	1.62E-05	3.12E-05	1.57E-06	1.58E-05	2.69E-05	1.99E-06	8.96E-06	1.48E-05	4.91E-07
5311	740347.64	4111208.26	1.04E-04	1.90E-04	1.04E-05	1.62E-05	3.12E-05	1.56E-06	1.57E-05	2.68E-05	1.99E-06	8.93E-06	1.48E-05	4.90E-07
5312	742988.13	4111750.44	2.93E-05	5.33E-05	2.93E-06	4.54E-06	8.75E-06	4.39E-07	4.42E-06	7.53E-06	5.58E-07	2.51E-06	4.15E-06	1.38E-07
5313	743008.24	4111736.95	2.90E-05	5.29E-05	2.91E-06	4.50E-06	8.68E-06	4.36E-07	4.38E-06	7.47E-06	5.53E-07	2.49E-06	4.12E-06	1.36E-07
5314	743028.35	4111723.45	2.88E-05	5.24E-05	2.88E-06	4.46E-06	8.60E-06	4.32E-07	4.34E-06	7.40E-06	5.48E-07	2.47E-06	4.08E-06	1.35E-07
5315	743048.46	4111709.96	2.85E-05	5.19E-05	2.85E-06	4.42E-06	8.51E-06	4.27E-07	4.29E-06	7.32E-06	5.43E-07	2.44E-06	4.04E-06	1.34E-07
5316	743068.57	4111696.47	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.42E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
5317	743088.68	4111682.98	2.79E-05	5.09E-05	2.80E-06	4.33E-06	8.35E-06	4.19E-07	4.21E-06	7.18E-06	5.32E-07	2.39E-06	3.96E-06	1.31E-07
5318	743108.79	4111669.48	2.78E-05	5.06E-05	2.78E-06	4.31E-06	8.30E-06	4.17E-07	4.19E-06	7.14E-06	5.29E-07	2.38E-06	3.94E-06	1.31E-07
5319	743128.9	4111655.99	2.77E-05	5.05E-05	2.77E-06	4.30E-06	8.28E-06	4.16E-07	4.18E-06	7.13E-06	5.28E-07	2.38E-06	3.93E-06	1.30E-07
5320	743149.01	4111642.5	2.79E-05	5.08E-05	2.79E-06	4.32E-06	8.32E-06	4.18E-07	4.20E-06	7.16E-06	5.31E-07	2.39E-06	3.95E-06	1.31E-07
5321	743169.12	4111629.01	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
5322	743189.23	4111615.51	2.87E-05	5.23E-05	2.87E-06	4.45E-06	8.57E-06	4.31E-07	4.33E-06	7.38E-06	5.47E-07	2.46E-06	4.07E-06	1.35E-07
5323	743209.34	4111602.02	2.94E-05	5.37E-05	2.95E-06	4.57E-06	8.80E-06	4.42E-07	4.44E-06	7.57E-06	5.61E-07	2.52E-06	4.17E-06	1.38E-07
5324	743229.45	4111588.53	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.57E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
5325	743249.56	4111575.04	3.16E-05	5.76E-05	3.16E-06	4.90E-06	9.44E-06	4.74E-07	4.76E-06	8.12E-06	6.02E-07	2.71E-06	4.48E-06	1.48E-07

5326	743187.31	4112087.22	2.30E-05	4.19E-05	2.30E-06	3.56E-06	6.87E-06	3.45E-07	3.47E-06	5.91E-06	4.38E-07	1.97E-06	3.26E-06	1.08E-07
5327	743163.64	4112091.83	2.32E-05	4.23E-05	2.32E-06	3.60E-06	6.94E-06	3.48E-07	3.50E-06	5.97E-06	4.42E-07	1.99E-06	3.29E-06	1.09E-07
5328	743139.96	4112096.44	2.34E-05	4.27E-05	2.34E-06	3.63E-06	6.99E-06	3.51E-07	3.53E-06	6.02E-06	4.46E-07	2.01E-06	3.32E-06	1.10E-07
5329	743116.29	4112101.06	2.35E-05	4.29E-05	2.36E-06	3.65E-06	7.03E-06	3.53E-07	3.55E-06	6.05E-06	4.49E-07	2.02E-06	3.34E-06	1.11E-07
5330	743092.62	4112105.67	2.36E-05	4.31E-05	2.37E-06	3.67E-06	7.06E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.35E-06	1.11E-07
5331	743068.94	4112110.29	2.37E-05	4.32E-05	2.37E-06	3.67E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
5332	743045.27	4112114.9	2.37E-05	4.32E-05	2.37E-06	3.68E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.52E-07	2.03E-06	3.36E-06	1.11E-07
5333	743021.59	4112119.51	2.37E-05	4.32E-05	2.37E-06	3.67E-06	7.08E-06	3.56E-07	3.57E-06	6.09E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
5334	742997.92	4112124.13	2.37E-05	4.31E-05	2.37E-06	3.67E-06	7.07E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.35E-06	1.11E-07
5335	742974.25	4112128.74	2.36E-05	4.31E-05	2.36E-06	3.66E-06	7.06E-06	3.55E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5336	742950.57	4112133.35	2.36E-05	4.31E-05	2.36E-06	3.66E-06	7.06E-06	3.55E-07	3.56E-06	6.07E-06	4.50E-07	2.02E-06	3.35E-06	1.11E-07
5337	742926.9	4112137.97	2.37E-05	4.31E-05	2.37E-06	3.67E-06	7.07E-06	3.55E-07	3.57E-06	6.08E-06	4.51E-07	2.03E-06	3.36E-06	1.11E-07
5338	742903.22	4112142.58	2.37E-05	4.33E-05	2.38E-06	3.68E-06	7.09E-06	3.56E-07	3.58E-06	6.10E-06	4.52E-07	2.03E-06	3.37E-06	1.12E-07
5339	742879.55	4112147.2	2.39E-05	4.35E-05	2.39E-06	3.70E-06	7.14E-06	3.59E-07	3.60E-06	6.14E-06	4.55E-07	2.05E-06	3.39E-06	1.12E-07
5340	742855.87	4112151.81	2.41E-05	4.39E-05	2.41E-06	3.74E-06	7.20E-06	3.62E-07	3.64E-06	6.20E-06	4.59E-07	2.07E-06	3.42E-06	1.13E-07
5341	742832.2	4112156.42	2.44E-05	4.45E-05	2.44E-06	3.79E-06	7.30E-06	3.67E-07	3.68E-06	6.28E-06	4.65E-07	2.09E-06	3.46E-06	1.15E-07
5342	742808.53	4112161.04	2.48E-05	4.52E-05	2.48E-06	3.84E-06	7.41E-06	3.72E-07	3.74E-06	6.37E-06	4.72E-07	2.12E-06	3.51E-06	1.17E-07
5343	742784.85	4112165.65	2.52E-05	4.60E-05	2.53E-06	3.92E-06	7.54E-06	3.79E-07	3.81E-06	6.49E-06	4.81E-07	2.16E-06	3.58E-06	1.19E-07
5344	742761.18	4112170.27	2.58E-05	4.69E-05	2.58E-06	3.99E-06	7.70E-06	3.87E-07	3.88E-06	6.62E-06	4.91E-07	2.21E-06	3.65E-06	1.21E-07
5345	742737.5	4112174.88	2.63E-05	4.80E-05	2.64E-06	4.09E-06	7.87E-06	3.95E-07	3.97E-06	6.77E-06	5.02E-07	2.26E-06	3.74E-06	1.24E-07
5346	742713.83	4112179.49	2.70E-05	4.92E-05	2.70E-06	4.18E-06	8.06E-06	4.05E-07	4.07E-06	6.94E-06	5.14E-07	2.31E-06	3.83E-06	1.27E-07
5347	742690.16	4112184.11	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.27E-06	4.15E-07	4.17E-06	7.11E-06	5.27E-07	2.37E-06	3.92E-06	1.30E-07
5348	742666.48	4112188.72	2.84E-05	5.18E-05	2.84E-06	4.41E-06	8.49E-06	4.27E-07	4.29E-06	7.31E-06	5.42E-07	2.44E-06	4.03E-06	1.34E-07
5349	742642.81	4112193.33	2.92E-05	5.32E-05	2.92E-06	4.53E-06	8.73E-06	4.38E-07	4.40E-06	7.51E-06	5.57E-07	2.50E-06	4.14E-06	1.37E-07
5350	742619.13	4112197.95	3.00E-05	5.47E-05	3.00E-06	4.65E-06	8.96E-06	4.50E-07	4.52E-06	7.71E-06	5.72E-07	2.57E-06	4.25E-06	1.41E-07
5351	742595.46	4112202.56	3.08E-05	5.61E-05	3.08E-06	4.78E-06	9.21E-06	4.62E-07	4.65E-06	7.92E-06	5.87E-07	2.64E-06	4.37E-06	1.45E-07
5352	742571.79	4112207.18	3.16E-05	5.76E-05	3.16E-06	4.90E-06	9.45E-06	4.75E-07	4.77E-06	8.13E-06	6.03E-07	2.71E-06	4.48E-06	1.49E-07
5353	742548.11	4112211.79	3.24E-05	5.91E-05	3.24E-06	5.03E-06	9.68E-06	4.87E-07	4.89E-06	8.33E-06	6.18E-07	2.78E-06	4.60E-06	1.52E-07
5354	742524.44	4112216.4	3.32E-05	6.05E-05	3.32E-06	5.15E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.71E-06	1.56E-07
5355	742500.76	4112221.02	3.39E-05	6.18E-05	3.39E-06	5.26E-06	1.01E-05	5.09E-07	5.11E-06	8.71E-06	6.46E-07	2.90E-06	4.80E-06	1.59E-07
5356	742477.09	4112225.63	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.20E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
5357	742453.42	4112230.24	3.51E-05	6.39E-05	3.51E-06	5.44E-06	1.05E-05	5.26E-07	5.29E-06	9.01E-06	6.68E-07	3.00E-06	4.97E-06	1.65E-07
5358	742429.74	4112234.86	3.55E-05	6.47E-05	3.55E-06	5.51E-06	1.06E-05	5.33E-07	5.36E-06	9.13E-06	6.77E-07	3.04E-06	5.04E-06	1.67E-07
5359	742406.07	4112239.47	3.59E-05	6.54E-05	3.59E-06	5.56E-06	1.07E-05	5.39E-07	5.41E-06	9.22E-06	6.84E-07	3.07E-06	5.09E-06	1.69E-07
5360	742382.39	4112244.09	3.61E-05	6.58E-05	3.61E-06	5.60E-06	1.08E-05	5.42E-07	5.45E-06	9.29E-06	6.88E-07	3.10E-06	5.12E-06	1.70E-07
5361	742358.72	4112248.7	3.63E-05	6.62E-05	3.63E-06	5.63E-06	1.08E-05	5.45E-07	5.47E-06	9.33E-06	6.92E-07	3.11E-06	5.15E-06	1.71E-07
5362	742335.05	4112253.31	3.64E-05	6.63E-05	3.64E-06	5.65E-06	1.09E-05	5.46E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
5363	742311.37	4112257.93	3.64E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.50E-06	9.37E-06	6.95E-07	3.12E-06	5.17E-06	1.71E-07
5364	742287.7	4112262.54	3.64E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.49E-06	9.37E-06	6.94E-07	3.12E-06	5.17E-06	1.71E-07
5365	742264.02	4112267.15	3.64E-05	6.64E-05	3.64E-06	5.65E-06	1.09E-05	5.47E-07	5.49E-06	9.36E-06	6.94E-07	3.12E-06	5.16E-06	1.71E-07
5366	742240.35	4112271.77	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.49E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
5367	742216.67	4112276.38	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
5368	742193	4112281	3.64E-05	6.63E-05	3.64E-06	5.64E-06	1.09E-05	5.46E-07	5.48E-06	9.35E-06	6.93E-07	3.12E-06	5.16E-06	1.71E-07
5369	742169.33	4112285.61	3.64E-05	6.64E-05	3.65E-06	5.65E-06	1.09E-05	5.47E-07	5.50E-06	9.37E-06	6.95E-07	3.12E-06	5.17E-06	1.71E-07
5370	742145.65	4112290.22	3.66E-05	6.67E-05	3.66E-06	5.68E-06	1.09E-05	5.49E-07	5.52E-06	9.41E-06	6.98E-07	3.14E-06	5.19E-06	1.72E-07
5371	742121.98	4112294.84	3.68E-05	6.71E-05	3.68E-06	5.71E-06	1.10E-05	5.52E-07	5.55E-06	9.46E-06	7.01E-07	3.15E-06	5.22E-06	1.73E-07
5372	742098.3	4112299.45	3.70E-05	6.75E-05	3.71E-06	5.74E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
5373	742074.63	4112304.06	3.73E-05	6.80E-05	3.74E-06	5.79E-06	1.12E-05	5.60E-07	5.63E-06	9.60E-06	7.12E-07	3.20E-06	5.29E-06	1.75E-07
5374	742050.96	4112308.68	3.77E-05	6.87E-05	3.77E-06	5.85E-06	1.13E-05	5.66E-07	5.68E-06	9.69E-06	7.18E-07	3.23E-06	5.34E-06	1.77E-07
5375	742027.28	4112313.29	3.81E-05	6.94E-05	3.81E-06	5.91E-06	1.14E-05	5.72E-07	5.74E-06	9.79E-06	7.26E-07	3.26E-06	5.40E-06	1.79E-07
5376	742003.61	4112317.91	3.85E-05	7.02E-05	3.85E-06	5.97E-06	1.15E-05	5.78E-07	5.81E-06	9.90E-06	7.34E-07	3.30E-06	5.46E-06	1.81E-07
5377	741979.93	4112322.52	3.89E-05	7.10E-05	3.90E-06	6.04E-06	1.16E-05	5.84E-07	5.87E-06	1.00E-05	7.42E-07	3.34E-06	5.52E-06	1.83E-07
5378	741956.26	4112327.13	3.94E-05	7.18E-05	3.94E-06	6.11E-06	1.18E-05	5.92E-07	5.94E-06	1.01E-05	7.51E-07	3.38E-06	5.59E-06	1.85E-07
5379	741932.59	4112331.75	3.99E-05	7.27E-05	3.99E-06	6.19E-06	1.19E-05	5.99E-07	6.02E-06	1.03E-05	7.61E-07	3.42E-06	5.66E-06	1.88E-07
5380	741908.91	4112336.36	4.04E-05	7.36E-05	4.04E-06	6.27E-06	1.21E-05	6.07E-07	6.09E-06	1.04E-05	7.70E-07	3.46E-06	5.73E-06	1.90E-07
5381	741885.24	4112340.98	4.09E-05	7.45E-05	4.09E-06	6.34E-06	1.22E-05	6.14E-07	6.17E-06	1.05E-05	7.79E-07	3.50E-06	5.80E-06	1.92E-07
5382	741861.56	4112345.59	4.13E-05	7.53E-05	4.14E-06	6.41E-06	1.24E-05	6.21E-07	6.24E-06	1.06E-05	7.88E-07	3.54E-06	5.86E-06	1.94E-07
5383	741837.89	4112350.2	4.18E-05	7.61E-05	4.18E-06	6.48E-06	1.25E-05	6.27E-07	6.30E-06	1.07E-05	7.96E-07	3.58E-06	5.92E-06	1.96E-07
5384	741814.22	4112354.82	4.22E-05	7.68E-05	4.22E-06	6.54E-06	1.26E-05	6.33E-07	6.36E-06	1.08E-05	8.04E-07	3.61E-06	5.98E-06	1.98E-07
5385	741790.54	4112359.43	4.25E-05	7.75E-05	4.26E-06	6.60E-06	1.27E-05	6.38E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.03E-06	2.00E-07
5386	741766.87	4112364.04	4.29E-05	7.81E-05	4.29E-06	6.65E-06	1.28E-05	6.43E-07	6.46E-06	1.10E-05	8.17E-07	3.67E-06	6.08E-06	2.01E-07
5387	741743.19	4112368.66	4.32E-05	7.87E-05	4.32E-06	6.69E-06	1.29E-05	6.48E-07	6.51E-06	1.11E-05	8.23E-07	3.70E-06	6.12E-06	2.03E-07
5388	741719.52	4112373.27	4.35E-05	7.92E-05	4.35E-06	6.74E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.28E-07	3.72E-06	6.16E-06	2.04E-07
5389	741695.85	4112377.89	4.37E-05	7.97E-05	4.37E-06	6.78E-06	1.31E-05	6.56E-07	6.59E-06	1.12E-05	8.33E-07	3.75E-06	6.20E-06	2.05E-07
5390	741672.17	4112382.5	4.40E-05	8.01E-05	4.40E-06	6.82E-06	1.31E-05	6.60E-07	6.63E-06	1.13E-05	8.38E-07	3.77E-06	6.23E-06	2.07E-07
5391	741648.5	4112387.11	4.42E-05	8.05E-05	4.42E-06	6.85E-06	1.32E-05	6.63E-07	6.67E-06	1.14E-05	8.42E-07	3.79E-06	6.27E-06	2.08E-07
5392	741624.82	4112391.73	4.44E-05	8.09E-05	4.44E-06	6.89E-06	1.33E-05	6.67E-07	6.70E-06	1.14E-05	8.47E-07	3.81E-06	6.30E-06	2.09E-07
5393	741601.15	4112396.34	4.46E-05	8.13E-05	4.46E-06	6.92E-06	1.33E-05	6.70E-07	6.73E-06	1.15E-05	8.50E-07	3.82E-06	6.33E-06	2.10E-07
5394	741577.47	4112400.95	4.48E-05	8.16E-05	4.48E-06	6.94E-06	1.34E-05	6.72E-07	6.75E-06	1.15E-05	8.53E-07	3.84E-06	6.35E-06	2.10E-07
5395	741553.8	4112405.57	4.49E-05	8.18E-05	4.49E-06	6.96E-06	1.34E-05	6.74E-07	6.77E-06	1.15E-05	8.56E-07	3.85E-06	6.37E-06	2.11E-07
5396	741530.13	4112410.18	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.75E-07	6.78E-06	1.16E-05	8.57E-07	3.86E-06	6.38E-06	2.11E-07
5397	741506.45	4112414.8	4.50E-05	8.20E-05	4.51E-06	6.98E-06	1.35E-05	6.76E-07	6.79E-06	1.16E-05	8.58E-07	3.86E-06	6.38E-06	2.12E-07
5398	741482.78	4112419.41	4.50E-05	8.20E-05	4.50E-06	6.98E-06	1.34E-05	6.76E-07	6.79E-06	1.16E-05	8.58E-07	3.86E-06	6.38E-06	2.12E-07

5399	741439.26	4112410.32	4.53E-05	8.26E-05	4.54E-06	7.03E-06	1.35E-05	6.80E-07	6.84E-06	1.17E-05	8.64E-07	3.88E-06	6.43E-06	2.13E-07
5400	741419.41	4112396.61	4.57E-05	8.32E-05	4.57E-06	7.08E-06	1.36E-05	6.85E-07	6.89E-06	1.17E-05	8.70E-07	3.91E-06	6.48E-06	2.15E-07
5401	741399.57	4112382.9	4.60E-05	8.38E-05	4.60E-06	7.13E-06	1.37E-05	6.90E-07	6.94E-06	1.18E-05	8.77E-07	3.94E-06	6.52E-06	2.16E-07
5402	741379.72	4112369.19	4.63E-05	8.44E-05	4.63E-06	7.18E-06	1.38E-05	6.95E-07	6.98E-06	1.19E-05	8.83E-07	3.97E-06	6.57E-06	2.18E-07
5403	741359.88	4112355.48	4.66E-05	8.49E-05	4.66E-06	7.23E-06	1.39E-05	7.00E-07	7.03E-06	1.20E-05	8.88E-07	3.99E-06	6.61E-06	2.19E-07
5404	741340.03	4112341.78	4.69E-05	8.55E-05	4.70E-06	7.28E-06	1.40E-05	7.05E-07	7.08E-06	1.21E-05	8.94E-07	4.02E-06	6.66E-06	2.21E-07
5405	741320.18	4112328.07	4.73E-05	8.62E-05	4.73E-06	7.33E-06	1.41E-05	7.10E-07	7.13E-06	1.22E-05	9.01E-07	4.05E-06	6.70E-06	2.22E-07
5406	741300.34	4112314.36	4.77E-05	8.68E-05	4.77E-06	7.39E-06	1.42E-05	7.15E-07	7.19E-06	1.22E-05	9.08E-07	4.08E-06	6.76E-06	2.24E-07
5407	741280.49	4112300.65	4.81E-05	8.76E-05	4.81E-06	7.45E-06	1.44E-05	7.21E-07	7.25E-06	1.24E-05	9.16E-07	4.12E-06	6.81E-06	2.26E-07
5408	741260.65	4112286.95	4.85E-05	8.83E-05	4.85E-06	7.52E-06	1.45E-05	7.28E-07	7.31E-06	1.25E-05	9.24E-07	4.15E-06	6.87E-06	2.28E-07
5409	741240.8	4112273.24	4.89E-05	8.91E-05	4.90E-06	7.59E-06	1.46E-05	7.34E-07	7.38E-06	1.26E-05	9.32E-07	4.19E-06	6.94E-06	2.30E-07
5410	741220.96	4112259.53	4.94E-05	9.00E-05	4.94E-06	7.66E-06	1.48E-05	7.41E-07	7.45E-06	1.27E-05	9.41E-07	4.23E-06	7.00E-06	2.32E-07
5411	741201.11	4112245.82	4.98E-05	9.08E-05	4.99E-06	7.73E-06	1.49E-05	7.48E-07	7.52E-06	1.28E-05	9.50E-07	4.27E-06	7.07E-06	2.34E-07
5412	741181.27	4112232.12	5.02E-05	9.15E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.57E-06	1.29E-05	9.57E-07	4.30E-06	7.12E-06	2.36E-07
5413	741161.42	4112218.41	5.06E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.59E-07	7.63E-06	1.30E-05	9.64E-07	4.33E-06	7.17E-06	2.38E-07
5414	741141.57	4112204.7	5.08E-05	9.26E-05	5.09E-06	7.88E-06	1.52E-05	7.63E-07	7.67E-06	1.31E-05	9.69E-07	4.36E-06	7.21E-06	2.39E-07
5415	741121.73	4112190.99	5.10E-05	9.30E-05	5.10E-06	7.91E-06	1.52E-05	7.66E-07	7.69E-06	1.31E-05	9.72E-07	4.37E-06	7.23E-06	2.40E-07
5416	741101.88	4112177.29	5.11E-05	9.31E-05	5.11E-06	7.92E-06	1.53E-05	7.67E-07	7.70E-06	1.31E-05	9.73E-07	4.38E-06	7.24E-06	2.40E-07
5417	741082.04	4112163.58	5.10E-05	9.30E-05	5.11E-06	7.92E-06	1.53E-05	7.66E-07	7.70E-06	1.31E-05	9.73E-07	4.37E-06	7.24E-06	2.40E-07
5418	741062.19	4112149.87	5.09E-05	9.27E-05	5.09E-06	7.89E-06	1.52E-05	7.64E-07	7.67E-06	1.31E-05	9.70E-07	4.36E-06	7.22E-06	2.39E-07
5419	741042.35	4112136.16	5.06E-05	9.23E-05	5.07E-06	7.85E-06	1.51E-05	7.60E-07	7.64E-06	1.30E-05	9.65E-07	4.34E-06	7.18E-06	2.38E-07
5420	741022.5	4112122.46	5.02E-05	9.15E-05	5.03E-06	7.79E-06	1.50E-05	7.54E-07	7.58E-06	1.29E-05	9.57E-07	4.30E-06	7.12E-06	2.36E-07
5421	741002.65	4112108.75	4.98E-05	9.07E-05	4.98E-06	7.72E-06	1.49E-05	7.47E-07	7.51E-06	1.28E-05	9.49E-07	4.27E-06	7.06E-06	2.34E-07
5422	740982.81	4112095.04	4.93E-05	8.98E-05	4.93E-06	7.64E-06	1.47E-05	7.40E-07	7.43E-06	1.27E-05	9.39E-07	4.22E-06	6.99E-06	2.32E-07
5423	740962.96	4112081.33	4.88E-05	8.89E-05	4.88E-06	7.57E-06	1.46E-05	7.33E-07	7.36E-06	1.25E-05	9.30E-07	4.18E-06	6.92E-06	2.29E-07
5424	740943.12	4112067.62	4.84E-05	8.81E-05	4.84E-06	7.50E-06	1.44E-05	7.26E-07	7.29E-06	1.24E-05	9.21E-07	4.14E-06	6.86E-06	2.27E-07
5425	740923.27	4112053.92	4.80E-05	8.74E-05	4.80E-06	7.44E-06	1.43E-05	7.20E-07	7.23E-06	1.23E-05	9.14E-07	4.11E-06	6.80E-06	2.25E-07
5426	740903.43	4112040.21	4.77E-05	8.70E-05	4.78E-06	7.40E-06	1.43E-05	7.16E-07	7.20E-06	1.23E-05	9.10E-07	4.09E-06	6.77E-06	2.24E-07
5427	740883.58	4112026.5	4.77E-05	8.69E-05	4.77E-06	7.39E-06	1.42E-05	7.16E-07	7.19E-06	1.23E-05	9.08E-07	4.09E-06	6.76E-06	2.24E-07
5428	740863.74	4112012.79	4.78E-05	8.71E-05	4.78E-06	7.41E-06	1.43E-05	7.17E-07	7.21E-06	1.23E-05	9.11E-07	4.10E-06	6.78E-06	2.25E-07
5429	740843.89	4111999.09	4.81E-05	8.77E-05	4.82E-06	7.47E-06	1.44E-05	7.23E-07	7.26E-06	1.24E-05	9.17E-07	4.13E-06	6.83E-06	2.26E-07
5430	740824.04	4111985.38	4.87E-05	8.88E-05	4.88E-06	7.56E-06	1.46E-05	7.31E-07	7.35E-06	1.25E-05	9.28E-07	4.17E-06	6.91E-06	2.29E-07
5431	740804.2	4111971.67	4.95E-05	9.02E-05	4.96E-06	7.68E-06	1.48E-05	7.43E-07	7.47E-06	1.27E-05	9.44E-07	4.24E-06	7.02E-06	2.33E-07
5432	740784.35	4111957.96	5.05E-05	9.21E-05	5.06E-06	7.84E-06	1.51E-05	7.58E-07	7.62E-06	1.30E-05	9.63E-07	4.33E-06	7.17E-06	2.38E-07
5433	740764.51	4111944.26	5.17E-05	9.43E-05	5.18E-06	8.02E-06	1.55E-05	7.77E-07	7.80E-06	1.33E-05	9.86E-07	4.43E-06	7.34E-06	2.43E-07
5434	740744.66	4111930.55	5.31E-05	9.67E-05	5.31E-06	8.23E-06	1.59E-05	7.96E-07	8.00E-06	1.36E-05	1.01E-06	4.55E-06	7.52E-06	2.49E-07
5435	740724.82	4111916.84	5.45E-05	9.93E-05	5.45E-06	8.45E-06	1.63E-05	8.17E-07	8.21E-06	1.40E-05	1.04E-06	4.67E-06	7.72E-06	2.56E-07
5436	740704.97	4111903.13	5.59E-05	1.02E-04	5.59E-06	8.66E-06	1.67E-05	8.39E-07	8.43E-06	1.44E-05	1.06E-06	4.79E-06	7.92E-06	2.63E-07
5437	740685.12	4111889.43	5.72E-05	1.04E-04	5.72E-06	8.87E-06	1.71E-05	8.59E-07	8.63E-06	1.47E-05	1.09E-06	4.90E-06	8.11E-06	2.69E-07
5438	740665.28	4111875.72	5.84E-05	1.06E-04	5.85E-06	9.06E-06	1.75E-05	8.77E-07	8.81E-06	1.50E-05	1.11E-06	5.01E-06	8.28E-06	2.75E-07
5439	740645.43	4111862.01	5.95E-05	1.08E-04	5.95E-06	9.22E-06	1.78E-05	8.93E-07	8.97E-06	1.53E-05	1.13E-06	5.10E-06	8.43E-06	2.79E-07
5440	740625.59	4111848.3	6.03E-05	1.10E-04	6.04E-06	9.36E-06	1.80E-05	9.06E-07	9.10E-06	1.55E-05	1.15E-06	5.17E-06	8.55E-06	2.84E-07
5441	740605.74	4111834.59	6.10E-05	1.11E-04	6.11E-06	9.46E-06	1.82E-05	9.16E-07	9.20E-06	1.57E-05	1.16E-06	5.23E-06	8.65E-06	2.87E-07
5442	740585.9	4111820.89	6.15E-05	1.12E-04	6.16E-06	9.54E-06	1.84E-05	9.23E-07	9.28E-06	1.58E-05	1.17E-06	5.27E-06	8.72E-06	2.89E-07
5443	740566.05	4111807.18	6.19E-05	1.13E-04	6.19E-06	9.59E-06	1.85E-05	9.28E-07	9.33E-06	1.59E-05	1.18E-06	5.30E-06	8.77E-06	2.91E-07
5444	740546.2	4111793.47	6.21E-05	1.13E-04	6.21E-06	9.62E-06	1.85E-05	9.31E-07	9.36E-06	1.60E-05	1.18E-06	5.32E-06	8.80E-06	2.92E-07
5445	740526.36	4111779.76	6.22E-05	1.13E-04	6.23E-06	9.65E-06	1.86E-05	9.34E-07	9.38E-06	1.60E-05	1.19E-06	5.33E-06	8.82E-06	2.92E-07
5446	740506.51	4111766.06	6.24E-05	1.14E-04	6.24E-06	9.68E-06	1.86E-05	9.36E-07	9.41E-06	1.60E-05	1.19E-06	5.35E-06	8.85E-06	2.93E-07
5447	740486.67	4111752.35	6.26E-05	1.14E-04	6.27E-06	9.71E-06	1.87E-05	9.40E-07	9.44E-06	1.61E-05	1.19E-06	5.37E-06	8.88E-06	2.94E-07
5448	740466.82	4111738.64	6.29E-05	1.15E-04	6.30E-06	9.76E-06	1.88E-05	9.45E-07	9.49E-06	1.62E-05	1.20E-06	5.39E-06	8.92E-06	2.96E-07
5449	740446.98	4111724.93	6.34E-05	1.15E-04	6.34E-06	9.83E-06	1.89E-05	9.51E-07	9.56E-06	1.63E-05	1.21E-06	5.43E-06	8.99E-06	2.98E-07
5450	740427.13	4111711.23	6.40E-05	1.17E-04	6.40E-06	9.93E-06	1.91E-05	9.61E-07	9.65E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5451	740407.29	4111697.52	6.48E-05	1.18E-04	6.49E-06	1.01E-05	1.94E-05	9.73E-07	9.78E-06	1.67E-05	1.24E-06	5.55E-06	9.19E-06	3.05E-07
5452	740387.44	4111683.81	6.58E-05	1.20E-04	6.59E-06	1.02E-05	1.97E-05	9.88E-07	9.93E-06	1.69E-05	1.25E-06	5.64E-06	9.33E-06	3.09E-07
5453	740367.59	4111670.1	6.70E-05	1.22E-04	6.70E-06	1.04E-05	2.00E-05	1.01E-06	1.01E-05	1.72E-05	1.28E-06	5.74E-06	9.50E-06	3.15E-07
5454	740347.75	4111656.4	6.83E-05	1.24E-04	6.83E-06	1.06E-05	2.04E-05	1.02E-06	1.03E-05	1.75E-05	1.30E-06	5.85E-06	9.68E-06	3.21E-07
5455	740327.9	4111642.69	6.96E-05	1.27E-04	6.96E-06	1.08E-05	2.08E-05	1.04E-06	1.05E-05	1.79E-05	1.33E-06	5.96E-06	9.87E-06	3.27E-07
5456	740308.06	4111628.98	7.10E-05	1.29E-04	7.10E-06	1.10E-05	2.12E-05	1.07E-06	1.07E-05	1.83E-05	1.35E-06	6.08E-06	1.01E-05	3.34E-07
5457	740288.21	4111615.27	7.24E-05	1.32E-04	7.25E-06	1.12E-05	2.16E-05	1.09E-06	1.09E-05	1.86E-05	1.38E-06	6.20E-06	1.03E-05	3.40E-07
5458	740268.37	4111601.56	7.38E-05	1.34E-04	7.38E-06	1.14E-05	2.20E-05	1.11E-06	1.11E-05	1.90E-05	1.41E-06	6.32E-06	1.05E-05	3.47E-07
5459	740248.52	4111587.86	7.50E-05	1.37E-04	7.51E-06	1.16E-05	2.24E-05	1.13E-06	1.13E-05	1.93E-05	1.43E-06	6.43E-06	1.06E-05	3.53E-07
5460	740228.67	4111574.15	7.62E-05	1.39E-04	7.62E-06	1.18E-05	2.27E-05	1.14E-06	1.15E-05	1.96E-05	1.45E-06	6.53E-06	1.08E-05	3.58E-07
5461	740208.83	4111560.44	7.71E-05	1.41E-04	7.72E-06	1.20E-05	2.30E-05	1.16E-06	1.16E-05	1.98E-05	1.47E-06	6.61E-06	1.09E-05	3.62E-07
5462	740188.98	4111546.73	7.79E-05	1.42E-04	7.80E-06	1.21E-05	2.33E-05	1.17E-06	1.18E-05	2.00E-05	1.49E-06	6.68E-06	1.11E-05	3.66E-07
5463	740169.14	4111533.03	7.87E-05	1.43E-04	7.87E-06	1.22E-05	2.35E-05	1.18E-06	1.19E-05	2.02E-05	1.50E-06	6.74E-06	1.12E-05	3.70E-07
5464	740149.29	4111519.32	7.92E-05	1.44E-04	7.93E-06	1.23E-05	2.37E-05	1.19E-06	1.19E-05	2.04E-05	1.51E-06	6.79E-06	1.12E-05	3.72E-07
5465	740129.45	4111505.61	7.97E-05	1.45E-04	7.97E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.74E-07
5466	740109.6	4111491.9	8.00E-05	1.46E-04	8.00E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.85E-06	1.13E-05	3.76E-07
5467	740089.76	4111478.2	8.01E-05	1.46E-04	8.02E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
5468	740069.91	4111464.49	8.02E-05	1.46E-04	8.03E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
5469	740050.06	4111450.78	8.02E-05	1.46E-04	8.02E-06	1.24E-05	2.40E-05	1.20E-06	1.21E-05	2.06E-05	1.53E-06	6.87E-06	1.14E-05	3.77E-07
5470	740030.22	4111437.07	8.00E-05	1.46E-04	8.01E-06	1.24E-05	2.39E-05	1.20E-06	1.21E-05	2.06E-05	1.52E-06	6.86E-06	1.13E-05	3.76E-07
5471	740010.37	4111423.37	7.97E-05	1.45E-04	7.98E-06	1.24E-05	2.38E-05	1.20E-06	1.20E-05	2.05E-05	1.52E-06	6.83E-06	1.13E-05	3.75E-07

5472	743210.99	4112082.6	2.27E-05	4.14E-05	2.27E-06	3.52E-06	6.78E-06	3.41E-07	3.42E-06	5.83E-06	4.32E-07	1.94E-06	3.22E-06	1.07E-07
5473	743231.1	4112069.11	2.25E-05	4.10E-05	2.25E-06	3.49E-06	6.71E-06	3.37E-07	3.39E-06	5.78E-06	4.28E-07	1.93E-06	3.19E-06	1.06E-07
5474	743251.21	4112055.62	2.22E-05	4.05E-05	2.22E-06	3.45E-06	6.64E-06	3.34E-07	3.35E-06	5.71E-06	4.24E-07	1.90E-06	3.15E-06	1.04E-07
5475	743271.32	4112042.13	2.20E-05	4.00E-05	2.20E-06	3.40E-06	6.56E-06	3.29E-07	3.31E-06	5.64E-06	4.18E-07	1.88E-06	3.11E-06	1.03E-07
5476	743291.43	4112028.63	2.17E-05	3.95E-05	2.17E-06	3.36E-06	6.47E-06	3.25E-07	3.27E-06	5.57E-06	4.13E-07	1.86E-06	3.07E-06	1.02E-07
5477	743311.54	4112015.14	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.23E-06	5.50E-06	4.08E-07	1.83E-06	3.03E-06	1.01E-07
5478	743331.65	4112001.65	2.12E-05	3.86E-05	2.12E-06	3.28E-06	6.32E-06	3.18E-07	3.19E-06	5.44E-06	4.03E-07	1.81E-06	3.00E-06	9.94E-08
5479	743351.76	4111988.16	2.10E-05	3.82E-05	2.10E-06	3.25E-06	6.27E-06	3.15E-07	3.16E-06	5.39E-06	4.00E-07	1.80E-06	2.97E-06	9.86E-08
5480	743371.87	4111974.66	2.09E-05	3.81E-05	2.09E-06	3.24E-06	6.24E-06	3.14E-07	3.15E-06	5.37E-06	3.98E-07	1.79E-06	2.96E-06	9.82E-08
5481	743391.98	4111961.17	2.09E-05	3.81E-05	2.09E-06	3.24E-06	6.25E-06	3.14E-07	3.15E-06	5.38E-06	3.99E-07	1.79E-06	2.97E-06	9.83E-08
5482	743412.09	4111947.68	2.11E-05	3.84E-05	2.11E-06	3.27E-06	6.30E-06	3.16E-07	3.18E-06	5.42E-06	4.02E-07	1.81E-06	2.99E-06	9.91E-08
5483	743432.2	4111934.19	2.14E-05	3.90E-05	2.14E-06	3.32E-06	6.39E-06	3.21E-07	3.23E-06	5.50E-06	4.08E-07	1.83E-06	3.03E-06	1.01E-07
5484	743452.31	4111920.7	2.19E-05	3.99E-05	2.19E-06	3.39E-06	6.54E-06	3.28E-07	3.30E-06	5.63E-06	4.17E-07	1.88E-06	3.10E-06	1.03E-07
5485	743472.42	4111907.2	2.25E-05	4.11E-05	2.26E-06	3.50E-06	6.73E-06	3.38E-07	3.40E-06	5.79E-06	4.30E-07	1.93E-06	3.20E-06	1.06E-07
5486	743410.21	4112419.38	1.86E-05	3.40E-05	1.87E-06	2.89E-06	5.57E-06	2.80E-07	2.81E-06	4.79E-06	3.55E-07	1.60E-06	2.64E-06	8.76E-08
5487	743386.57	4112423.98	1.89E-05	3.44E-05	1.89E-06	2.93E-06	5.64E-06	2.83E-07	2.84E-06	4.85E-06	3.59E-07	1.62E-06	2.67E-06	8.87E-08
5488	743362.93	4112428.59	1.90E-05	3.47E-05	1.91E-06	2.95E-06	5.69E-06	2.86E-07	2.87E-06	4.90E-06	3.63E-07	1.63E-06	2.70E-06	8.95E-08
5489	743339.29	4112433.2	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.73E-06	2.88E-07	2.89E-06	4.93E-06	3.65E-07	1.64E-06	2.72E-06	9.01E-08
5490	743315.65	4112437.8	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.95E-06	3.67E-07	1.65E-06	2.73E-06	9.05E-08
5491	743292.01	4112442.41	1.93E-05	3.52E-05	1.93E-06	3.00E-06	5.77E-06	2.90E-07	2.91E-06	4.97E-06	3.68E-07	1.66E-06	2.74E-06	9.08E-08
5492	743268.37	4112447.02	1.93E-05	3.52E-05	1.93E-06	3.00E-06	5.78E-06	2.90E-07	2.92E-06	4.97E-06	3.68E-07	1.66E-06	2.74E-06	9.09E-08
5493	743244.74	4112451.62	1.93E-05	3.52E-05	1.93E-06	2.99E-06	5.77E-06	2.90E-07	2.91E-06	4.96E-06	3.68E-07	1.65E-06	2.74E-06	9.08E-08
5494	743221.1	4112456.23	1.93E-05	3.51E-05	1.93E-06	2.99E-06	5.76E-06	2.89E-07	2.91E-06	4.95E-06	3.67E-07	1.65E-06	2.73E-06	9.05E-08
5495	743197.46	4112460.84	1.92E-05	3.49E-05	1.92E-06	2.97E-06	5.73E-06	2.88E-07	2.89E-06	4.93E-06	3.65E-07	1.64E-06	2.72E-06	9.01E-08
5496	743173.82	4112465.44	1.91E-05	3.48E-05	1.91E-06	2.96E-06	5.71E-06	2.87E-07	2.88E-06	4.91E-06	3.64E-07	1.64E-06	2.71E-06	8.98E-08
5497	743150.18	4112470.05	1.90E-05	3.46E-05	1.90E-06	2.95E-06	5.68E-06	2.85E-07	2.87E-06	4.88E-06	3.62E-07	1.63E-06	2.69E-06	8.93E-08
5498	743126.54	4112474.66	1.89E-05	3.45E-05	1.89E-06	2.93E-06	5.65E-06	2.84E-07	2.85E-06	4.86E-06	3.61E-07	1.62E-06	2.68E-06	8.89E-08
5499	743102.9	4112479.27	1.87E-05	3.41E-05	1.87E-06	2.90E-06	5.60E-06	2.81E-07	2.82E-06	4.82E-06	3.57E-07	1.61E-06	2.66E-06	8.80E-08
5500	743079.27	4112483.87	1.89E-05	3.44E-05	1.89E-06	2.93E-06	5.64E-06	2.83E-07	2.85E-06	4.86E-06	3.60E-07	1.62E-06	2.68E-06	8.88E-08
5501	743055.63	4112488.48	1.89E-05	3.45E-05	1.90E-06	2.94E-06	5.66E-06	2.84E-07	2.86E-06	4.87E-06	3.61E-07	1.62E-06	2.69E-06	8.90E-08
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5503	743008.35	4112497.69	1.91E-05	3.49E-05	1.92E-06	2.97E-06	5.72E-06	2.87E-07	2.89E-06	4.92E-06	3.65E-07	1.64E-06	2.71E-06	9.00E-08
5504	742984.71	4112502.3	1.93E-05	3.52E-05	1.93E-06	3.00E-06	5.77E-06	2.90E-07	2.91E-06	4.97E-06	3.68E-07	1.66E-06	2.74E-06	9.08E-08
5505	742961.07	4112506.91	1.95E-05	3.56E-05	1.96E-06	3.03E-06	5.84E-06	2.93E-07	2.95E-06	5.02E-06	3.72E-07	1.67E-06	2.77E-06	9.19E-08
5506	742937.43	4112511.51	1.98E-05	3.61E-05	1.98E-06	3.07E-06	5.92E-06	2.97E-07	2.99E-06	5.09E-06	3.78E-07	1.70E-06	2.81E-06	9.31E-08
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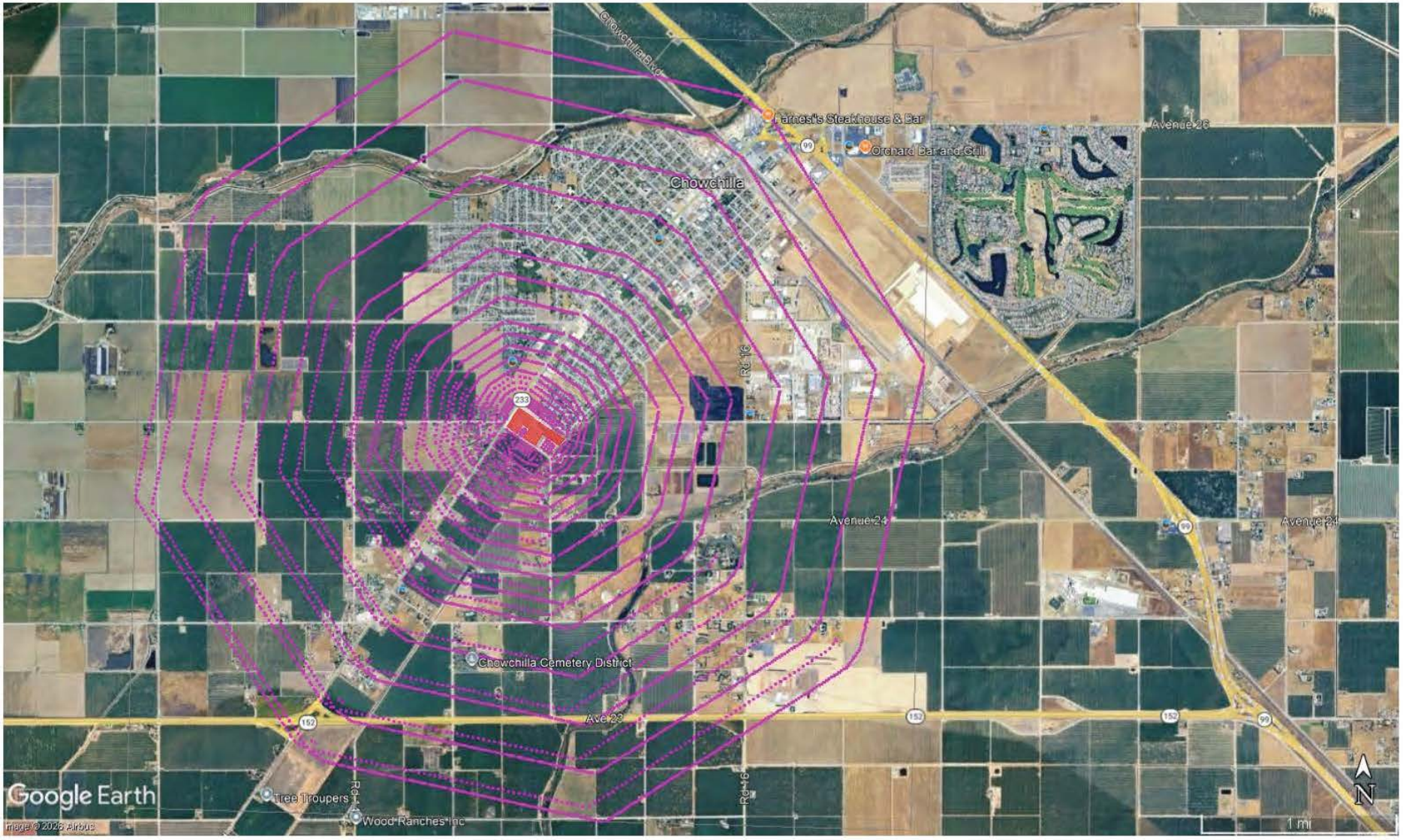
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5573	741337.66	4112788.19	3.69E-05	6.72E-05	3.69E-06	5.72E-06	1.10E-05	5.54E-07	5.56E-06	9.48E-06	7.03E-07	3.16E-06	5.23E-06	1.73E-07
5574	741317.84	4112774.51	3.71E-05	6.75E-05	3.71E-06	5.75E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
5575	741298.02	4112760.82	3.72E-05	6.78E-05	3.72E-06	5.77E-06	1.11E-05	5.59E-07	5.61E-06	9.57E-06	7.09E-07	3.19E-06	5.28E-06	1.75E-07
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5577	741258.39	4112733.44	3.75E-05	6.84E-05	3.76E-06	5.82E-06	1.12E-05	5.63E-07	5.66E-06	9.65E-06	7.15E-07	3.22E-06	5.32E-06	1.76E-07
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5599	740822.44	4112432.33	4.02E-05	7.33E-05	4.02E-06	6.24E-06	1.20E-05	6.04E-07	6.07E-06	1.03E-05	7.67E-07	3.45E-06	5.70E-06	1.89E-07
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5617	740465.76	4112185.96	4.68E-05	8.52E-05	4.68E-06	7.26E-06	1.40E-05	7.02E-07	7.05E-06	1.20E-05	8.92E-07	4.01E-06	6.63E-06	2.20E-07

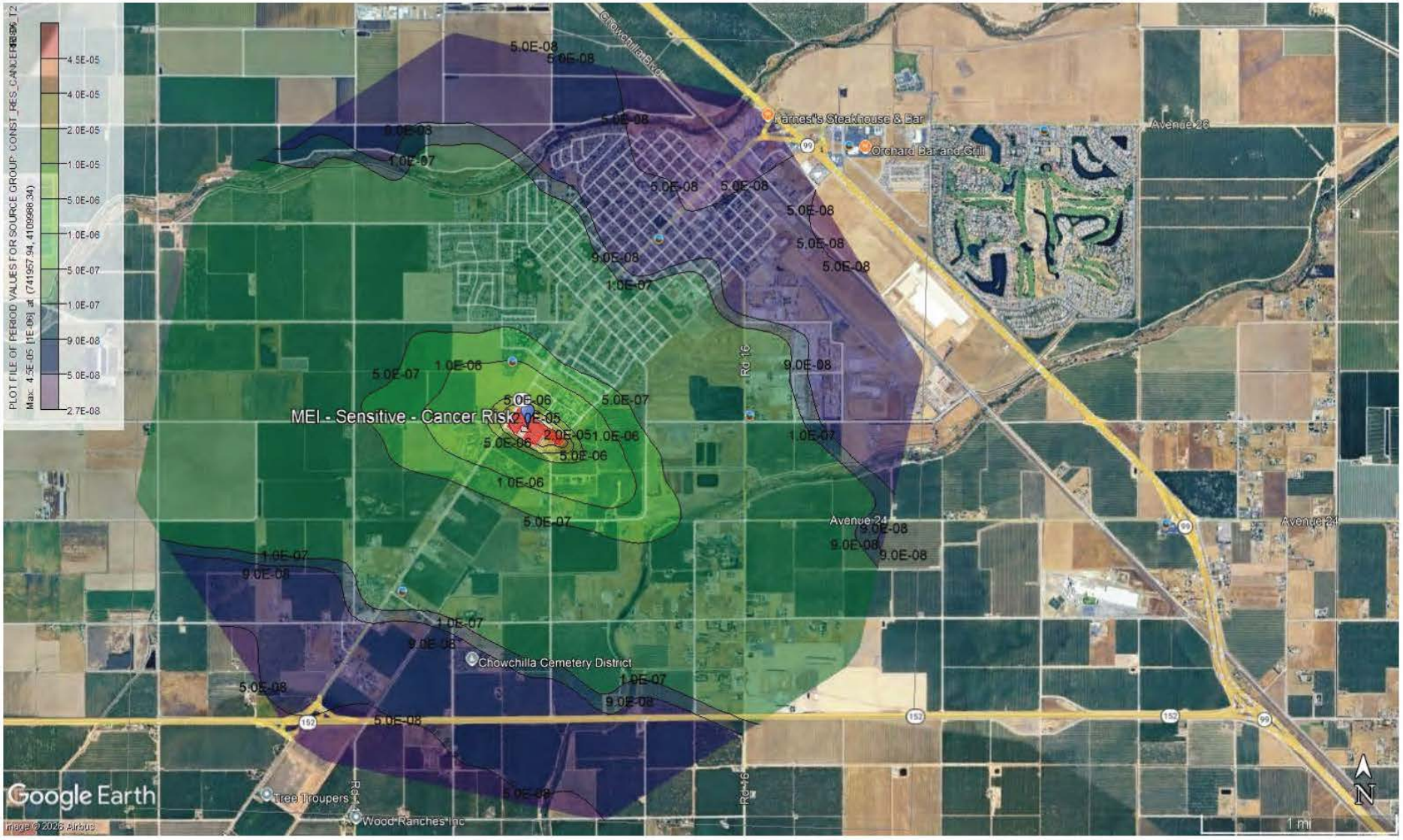
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5649	739831.65	4111747.97	6.37E-05	1.16E-04	6.38E-06	9.88E-06	1.90E-05	9.56E-07	9.61E-06	1.64E-05	1.21E-06	5.46E-06	9.03E-06	2.99E-07
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5651	739792.02	4111720.6	6.41E-05	1.17E-04	6.41E-06	9.94E-06	1.91E-05	9.62E-07	9.66E-06	1.65E-05	1.22E-06	5.49E-06	9.08E-06	3.01E-07
5652	739772.2	4111706.91	6.42E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.67E-06	1.65E-05	1.22E-06	5.50E-06	9.10E-06	3.02E-07
5653	739752.38	4111693.23	6.42E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.68E-06	1.65E-05	1.22E-06	5.50E-06	9.10E-06	3.02E-07
5654	739732.57	4111679.54	6.41E-05	1.17E-04	6.42E-06	9.95E-06	1.92E-05	9.63E-07	9.67E-06	1.65E-05	1.22E-06	5.50E-06	9.09E-06	3.01E-07
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5656	739692.94	4111652.16	6.39E-05	1.16E-04	6.39E-06	9.90E-06	1.91E-05	9.58E-07	9.63E-06	1.64E-05	1.22E-06	5.47E-06	9.05E-06	3.00E-07
5657	739673.12	4111638.48	6.36E-05	1.16E-04	6.36E-06	9.86E-06	1.90E-05	9.55E-07	9.59E-06	1.64E-05	1.21E-06	5.45E-06	9.02E-06	2.99E-07
5658	743433.84	4112414.77	1.84E-05	3.35E-05	1.84E-06	2.85E-06	5.49E-06	2.76E-07	2.77E-06	4.73E-06	3.50E-07	1.58E-06	2.61E-06	8.64E-08
5659	743453.95	4112401.28	1.82E-05	3.31E-05	1.82E-06	2.82E-06	5.43E-06	2.73E-07	2.74E-06	4.67E-06	3.46E-07	1.56E-06	2.58E-06	8.54E-08
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5662	743514.28	4112360.8	1.74E-05	3.17E-05	1.74E-06	2.70E-06	5.20E-06	2.61E-07	2.62E-06	4.47E-06	3.32E-07	1.49E-06	2.47E-06	8.18E-08
5663	743534.39	4112347.31	1.72E-05	3.13E-05	1.72E-06	2.66E-06	5.13E-06	2.58E-07	2.59E-06	4.41E-06	3.27E-07	1.47E-06	2.43E-06	8.06E-08
5664	743554.5	4112333.82	1.69E-05	3.08E-05	1.69E-06	2.62E-06	5.06E-06	2.54E-07	2.55E-06	4.35E-06	3.23E-07	1.45E-06	2.40E-06	7.96E-08
5665	743574.61	4112320.32	1.67E-05	3.05E-05	1.67E-06	2.59E-06	5.00E-06	2.51E-07	2.52E-06	4.30E-06	3.19E-07	1.43E-06	2.37E-06	7.86E-08
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5672	743633.09	4112751.54	1.57E-05	2.86E-05	1.57E-06	2.43E-06	4.69E-06	2.36E-07	2.37E-06	4.03E-06	2.99E-07	1.34E-06	2.22E-06	7.37E-08
5673	743609.48	4112756.14	1.59E-05	2.90E-05	1.59E-06	2.47E-06	4.75E-06	2.39E-07	2.40E-06	4.09E-06	3.03E-07	1.36E-06	2.26E-06	7.48E-08
5674	743585.87	4112760.74	1.61E-05	2.94E-05	1.61E-06	2.50E-06	4.81E-06	2.42E-07	2.43E-06	4.14E-06	3.07E-07	1.38E-06	2.28E-06	7.57E-08
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5677	743515.03	4112774.55	1.64E-05	2.99E-05	1.64E-06	2.54E-06	4.90E-06	2.46E-07	2.47E-06	4.22E-06	3.13E-07	1.41E-06	2.33E-06	7.71E-08
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5682	743396.97	4112797.55	1.61E-05	2.93E-05	1.61E-06	2.49E-06	4.80E-06	2.41E-07	2.42E-06	4.13E-06	3.06E-07	1.38E-06	2.28E-06	7.55E-08
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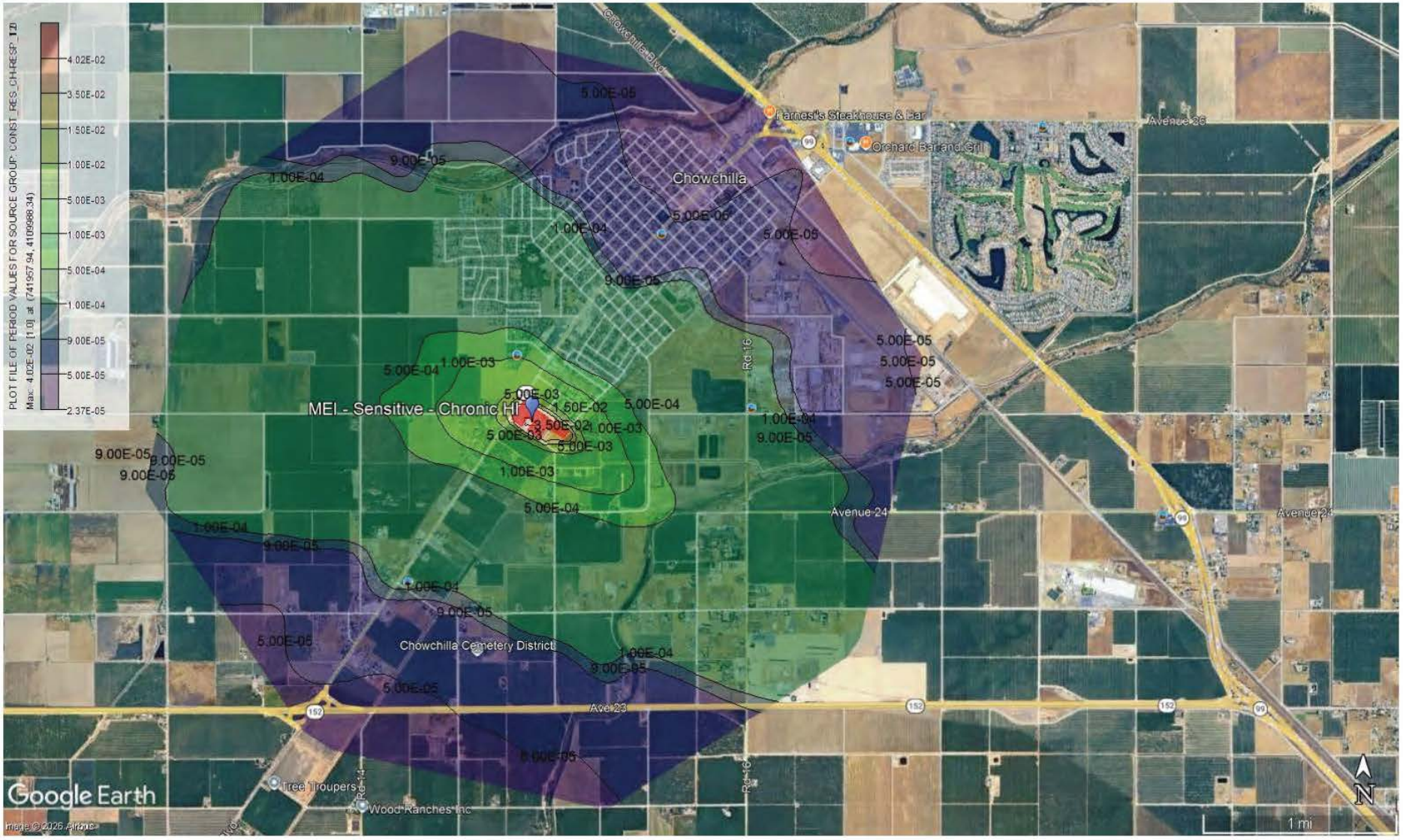
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5694	743113.62	4112852.78	1.60E-05	2.91E-05	1.60E-06	2.48E-06	4.77E-06	2.40E-07	2.41E-06	4.11E-06	3.05E-07	1.37E-06	2.27E-06	7.51E-08
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5696	743066.39	4112861.98	1.63E-05	2.98E-05	1.64E-06	2.54E-06	4.88E-06	2.45E-07	2.47E-06	4.20E-06	3.12E-07	1.40E-06	2.32E-06	7.68E-08
5697	743042.78	4112866.58	1.66E-05	3.02E-05	1.66E-06	2.57E-06	4.95E-06	2.49E-07	2.50E-06	4.26E-06	3.16E-07	1.42E-06	2.35E-06	7.79E-08
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5729	742287.19	4113013.84	2.44E-05	4.45E-05	2.45E-06	3.79E-06	7.30E-06	3.67E-07	3.69E-06	6.28E-06	4.66E-07	2.09E-06	3.47E-06	1.15E-07
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5747	741862.17	4113096.67	2.71E-05	4.93E-05	2.71E-06	4.20E-06	8.09E-06	4.06E-07	4.08E-06	6.96E-06	5.16E-07	2.32E-06	3.84E-06	1.27E-07
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5749	741814.94	4113105.87	2.75E-05	5.01E-05	2.75E-06	4.26E-06	8.21E-06	4.13E-07	4.15E-06	7.07E-06	5.24E-07	2.36E-06	3.90E-06	1.29E-07
5750	741791.33	4113110.47	2.77E-05	5.04E-05	2.77E-06	4.29E-06	8.27E-06	4.16E-07	4.17E-06	7.12E-06	5.28E-07	2.37E-06	3.93E-06	1.30E-07
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5753	741720.49	4113124.28	2.82E-05	5.13E-05	2.82E-06	4.37E-06	8.41E-06	4.23E-07	4.25E-06	7.24E-06	5.37E-07	2.41E-06	3.99E-06	1.32E-07
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5763	741484.37	4113170.3	2.98E-05	5.44E-05	2.99E-06	4.63E-06	8.91E-06	4.48E-07	4.50E-06	7.67E-06	5.69E-07	2.56E-06	4.23E-06	1.40E-07

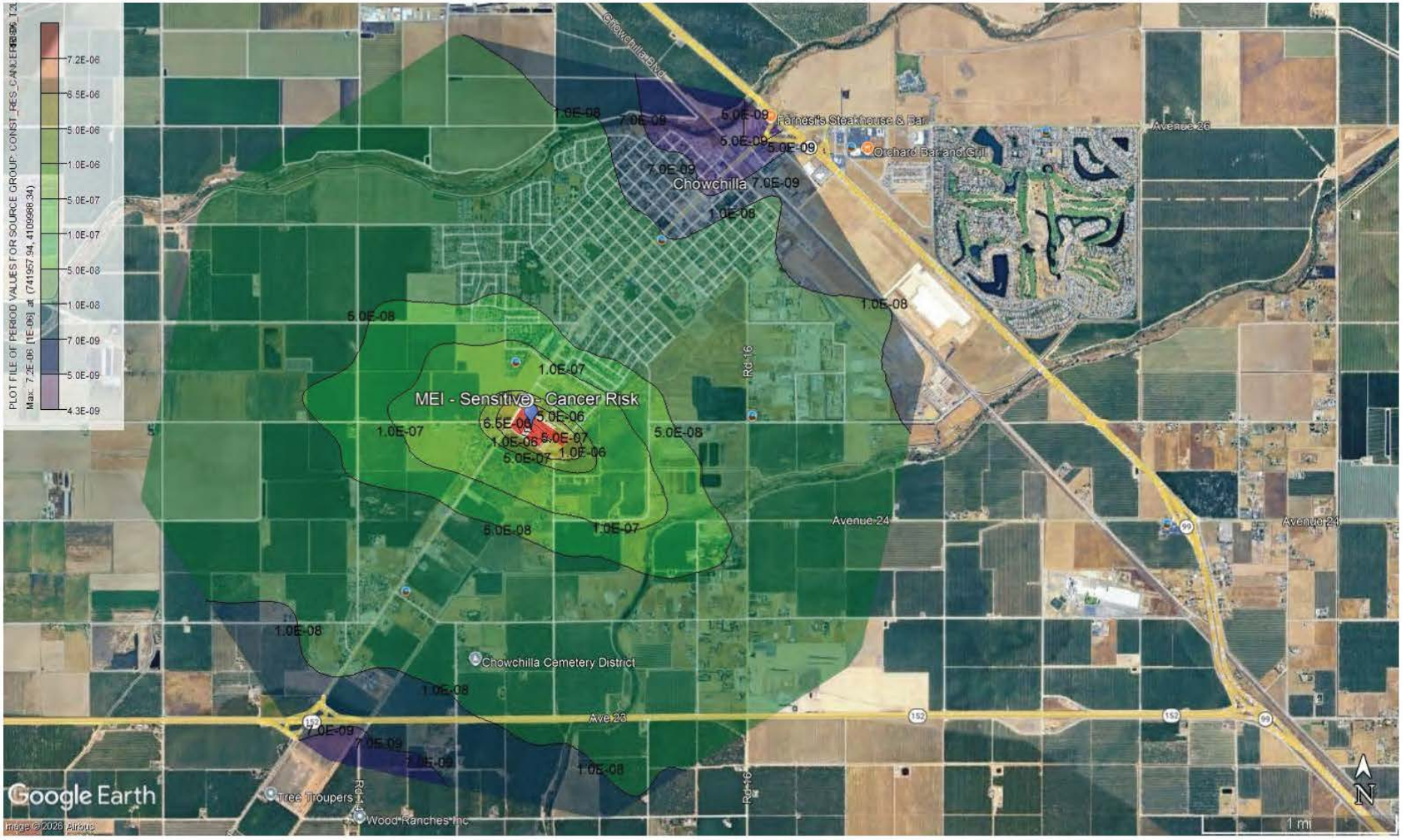
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5767	741389.92	4113188.7	3.04E-05	5.54E-05	3.04E-06	4.72E-06	9.09E-06	4.56E-07	4.59E-06	7.82E-06	5.80E-07	2.61E-06	4.31E-06	1.43E-07
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5807	740563.1	4112701.25	3.23E-05	5.88E-05	3.23E-06	5.00E-06	9.64E-06	4.84E-07	4.87E-06	8.29E-06	6.15E-07	2.76E-06	4.57E-06	1.52E-07
5808	740543.3	4112687.58	3.20E-05	5.84E-05	3.21E-06	4.97E-06	9.57E-06	4.81E-07	4.83E-06	8.24E-06	6.11E-07	2.75E-06	4.54E-06	1.51E-07
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5810	740503.72	4112660.23	3.18E-05	5.80E-05	3.18E-06	4.93E-06	9.50E-06	4.77E-07	4.80E-06	8.18E-06	6.06E-07	2.73E-06	4.51E-06	1.49E-07
5811	740483.92	4112646.56	3.18E-05	5.80E-05	3.19E-06	4.94E-06	9.51E-06	4.78E-07	4.80E-06	8.18E-06	6.07E-07	2.73E-06	4.51E-06	1.50E-07
5812	740464.13	4112632.89	3.20E-05	5.83E-05	3.20E-06	4.96E-06	9.56E-06	4.80E-07	4.82E-06	8.22E-06	6.10E-07	2.74E-06	4.54E-06	1.50E-07
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5814	740424.54	4112605.55	3.27E-05	5.95E-05	3.27E-06	5.07E-06	9.76E-06	4.90E-07	4.93E-06	8.40E-06	6.22E-07	2.80E-06	4.63E-06	1.54E-07
5815	740404.75	4112591.87	3.32E-05	6.05E-05	3.32E-06	5.14E-06	9.91E-06	4.98E-07	5.00E-06	8.53E-06	6.32E-07	2.84E-06	4.70E-06	1.56E-07
5816	740384.95	4112578.2	3.38E-05	6.16E-05	3.38E-06	5.24E-06	1.01E-05	5.07E-07	5.10E-06	8.69E-06	6.44E-07	2.90E-06	4.79E-06	1.59E-07
5817	740365.16	4112564.53	3.45E-05	6.29E-05	3.45E-06	5.35E-06	1.03E-05	5.18E-07	5.21E-06	8.87E-06	6.58E-07	2.96E-06	4.89E-06	1.62E-07
5818	740345.37	4112550.86	3.53E-05	6.43E-05	3.53E-06	5.48E-06	1.05E-05	5.30E-07	5.33E-06	9.08E-06	6.73E-07	3.03E-06	5.01E-06	1.66E-07
5819	740325.57	4112537.19	3.62E-05	6.59E-05	3.62E-06	5.61E-06	1.08E-05	5.43E-07	5.45E-06	9.30E-06	6.89E-07	3.10E-06	5.13E-06	1.70E-07
5820	740305.78	4112523.52	3.70E-05	6.75E-05	3.71E-06	5.74E-06	1.11E-05	5.56E-07	5.59E-06	9.52E-06	7.06E-07	3.17E-06	5.25E-06	1.74E-07
5821	740285.98	4112509.84	3.79E-05	6.91E-05	3.79E-06	5.88E-06	1.13E-05	5.69E-07	5.72E-06	9.74E-06	7.22E-07	3.25E-06	5.37E-06	1.78E-07
5822	740266.19	4112496.17	3.87E-05	7.06E-05	3.88E-06	6.01E-06	1.16E-05	5.81E-07	5.84E-06	9.96E-06	7.38E-07	3.32E-06	5.49E-06	1.82E-07
5823	740246.4	4112482.5	3.95E-05	7.20E-05	3.95E-06	6.13E-06	1.18E-05	5.93E-07	5.96E-06	1.02E-05	7.53E-07	3.39E-06	5.60E-06	1.86E-07
5824	740226.6	4112468.83	4.02E-05	7.32E-05	4.02E-06	6.23E-06	1.20E-05	6.03E-07	6.06E-06	1.03E-05	7.66E-07	3.44E-06	5.70E-06	1.89E-07
5825	740206.81	4112455.16	4.08E-05	7.43E-05	4.08E-06	6.32E-06	1.22E-05	6.12E-07	6.15E-06	1.05E-05	7.77E-07	3.49E-06	5.78E-06	1.92E-07
5826	740187.01	4112441.48	4.12E-05	7.52E-05	4.13E-06	6.40E-06	1.23E-05	6.19E-07	6.22E-06	1.06E-05	7.86E-07	3.53E-06	5.85E-06	1.94E-07
5827	740167.22	4112427.81	4.16E-05	7.58E-05	4.16E-06	6.45E-06	1.24E-05	6.24E-07	6.27E-06	1.07E-05	7.93E-07	3.57E-06	5.90E-06	1.96E-07
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5829	740127.63	4112400.47	4.20E-05	7.65E-05	4.20E-06	6.51E-06	1.25E-05	6.30E-07	6.33E-06	1.08E-05	8.00E-07	3.60E-06	5.96E-06	1.97E-07
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5832	740068.25	4112359.45	4.20E-05	7.66E-05	4.21E-06	6.52E-06	1.26E-05	6.31E-07	6.34E-06	1.08E-05	8.01E-07	3.60E-06	5.96E-06	1.98E-07
5833	740048.46	4112345.78	4.20E-05	7.65E-05	4.20E-06	6.51E-06	1.25E-05	6.30E-07	6.33E-06	1.08E-05	8.00E-07	3.60E-06	5.95E-06	1.97E-07
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5836	739989.08	4112304.77	4.19E-05	7.63E-05	4.19E-06	6.50E-06	1.25E-05	6.29E-07	6.32E-06	1.08E-05	7.98E-07	3.59E-06	5.94E-06	1.97E-07

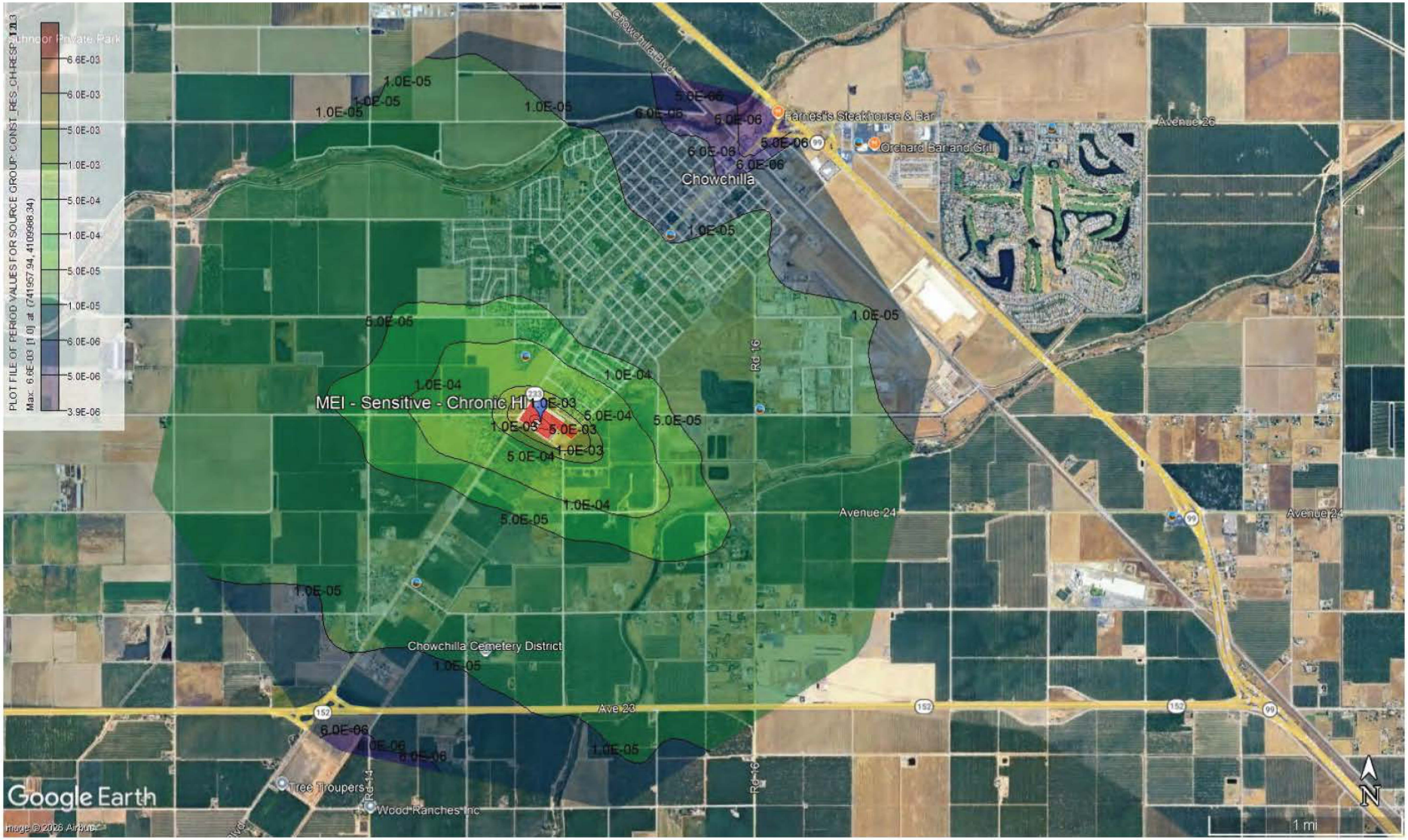
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5839	739929.69	4112263.75	4.23E-05	7.71E-05	4.23E-06	6.56E-06	1.26E-05	6.35E-07	6.38E-06	1.09E-05	8.06E-07	3.62E-06	6.00E-06	1.99E-07
5840	739909.9	4112250.08	4.26E-05	7.76E-05	4.26E-06	6.60E-06	1.27E-05	6.39E-07	6.42E-06	1.09E-05	8.11E-07	3.65E-06	6.04E-06	2.00E-07
5841	739890.11	4112236.41	4.30E-05	7.83E-05	4.30E-06	6.66E-06	1.28E-05	6.45E-07	6.48E-06	1.10E-05	8.19E-07	3.68E-06	6.09E-06	2.02E-07
5842	739870.31	4112222.73	4.34E-05	7.91E-05	4.35E-06	6.74E-06	1.30E-05	6.52E-07	6.55E-06	1.12E-05	8.28E-07	3.72E-06	6.16E-06	2.04E-07
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5848	739751.55	4112140.7	4.76E-05	8.67E-05	4.76E-06	7.38E-06	1.42E-05	7.14E-07	7.17E-06	1.22E-05	9.07E-07	4.08E-06	6.75E-06	2.24E-07
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5852	739672.37	4112086.02	5.03E-05	9.16E-05	5.03E-06	7.80E-06	1.50E-05	7.55E-07	7.58E-06	1.29E-05	9.58E-07	4.31E-06	7.13E-06	2.36E-07
5853	739652.58	4112072.34	5.08E-05	9.25E-05	5.08E-06	7.88E-06	1.52E-05	7.62E-07	7.66E-06	1.31E-05	9.68E-07	4.35E-06	7.20E-06	2.39E-07
5854	739632.79	4112058.67	5.12E-05	9.33E-05	5.13E-06	7.94E-06	1.53E-05	7.69E-07	7.72E-06	1.32E-05	9.76E-07	4.39E-06	7.26E-06	2.41E-07
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5866	739395.26	4111894.61	5.29E-05	9.63E-05	5.29E-06	8.20E-06	1.58E-05	7.93E-07	7.97E-06	1.36E-05	1.01E-06	4.53E-06	7.50E-06	2.48E-07
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5876	743777.36	4112665.98	1.38E-05	2.51E-05	1.38E-06	2.14E-06	4.12E-06	2.07E-07	2.08E-06	3.54E-06	2.63E-07	1.18E-06	1.95E-06	6.47E-08
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5878	743817.58	4112639	1.33E-05	2.42E-05	1.33E-06	2.06E-06	3.97E-06	2.00E-07	2.01E-06	3.42E-06	2.53E-07	1.14E-06	1.89E-06	6.25E-08
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5882	743898.02	4112585.03	1.31E-05	2.38E-05	1.31E-06	2.03E-06	3.90E-06	1.96E-07	1.97E-06	3.36E-06	2.49E-07	1.12E-06	1.85E-06	6.14E-08
5883	743918.13	4112571.53	1.32E-05	2.40E-05	1.32E-06	2.05E-06	3.94E-06	1.98E-07	1.99E-06	3.39E-06	2.51E-07	1.13E-06	1.87E-06	6.20E-08


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Avenue 24
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Ave 23
152
152
152
99
99
Rd 14
Rd 16
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1 mi
N

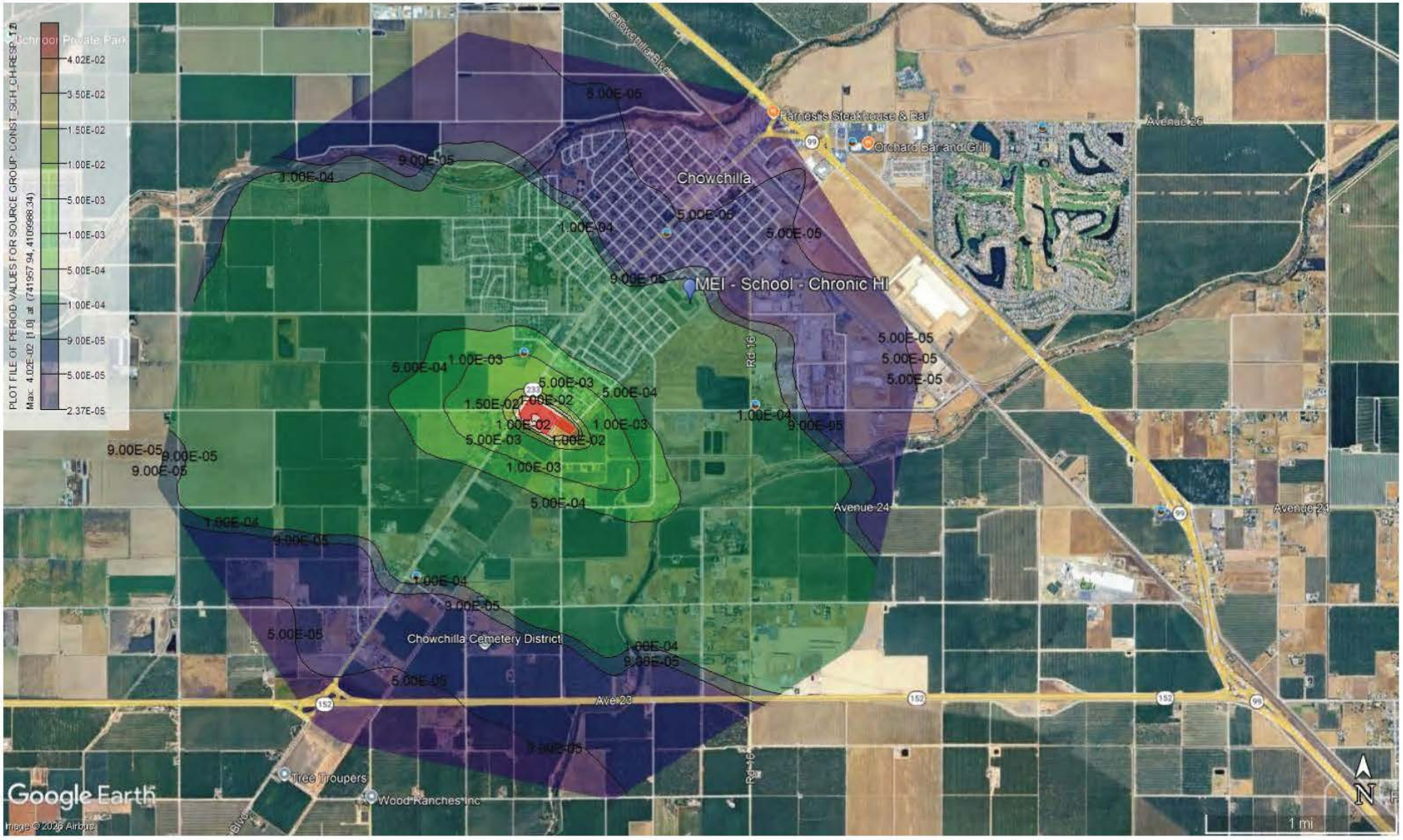

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CANCER_T2
Max: 4.5E-05 [1E-06] at (741957.94, 4109988.34)
4.5E-05
4.0E-05
2.0E-05
1.0E-05
5.0E-06
1.0E-06
5.0E-07
1.0E-07
9.0E-08
5.0E-08
2.7E-08
MEI - Sensitive - Cancer Risk
Chowchilla Blvd
Farnest's Steakhouse & Bar
Orchard Bar and Grill
Avenue 26
Avenue 24
Rd 16
Chowchilla Cemetery District
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2026 Airbus
1 mi
N

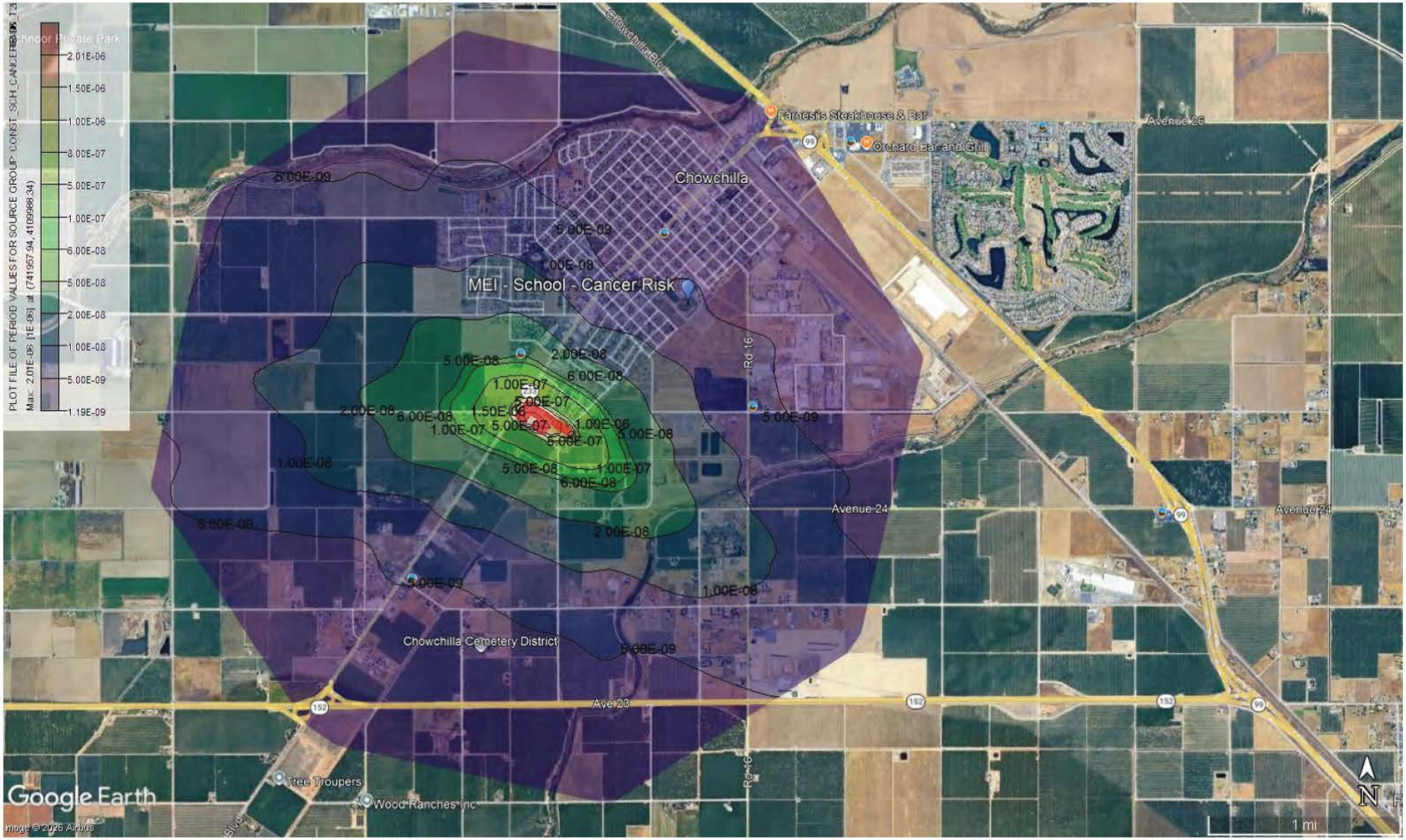

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CHRESP_1D
Max: 4.02E-02 [1.0] at (741957.94, 4109988.34)
4.02E-02
3.50E-02
1.50E-02
1.00E-02
5.00E-03
1.00E-03
5.00E-04
1.00E-04
9.00E-05
5.00E-05
2.37E-05
MEI - Sensitive - Chronic HI
Chowchilla
Harnest's Steakhouse & Bar
Orchard Barand Grill
Avenue 26
Avenue 24
Chowchilla Cemetery District
Ave 23
Rd 16
Rd 14
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2026 Airbus
1 mi
N

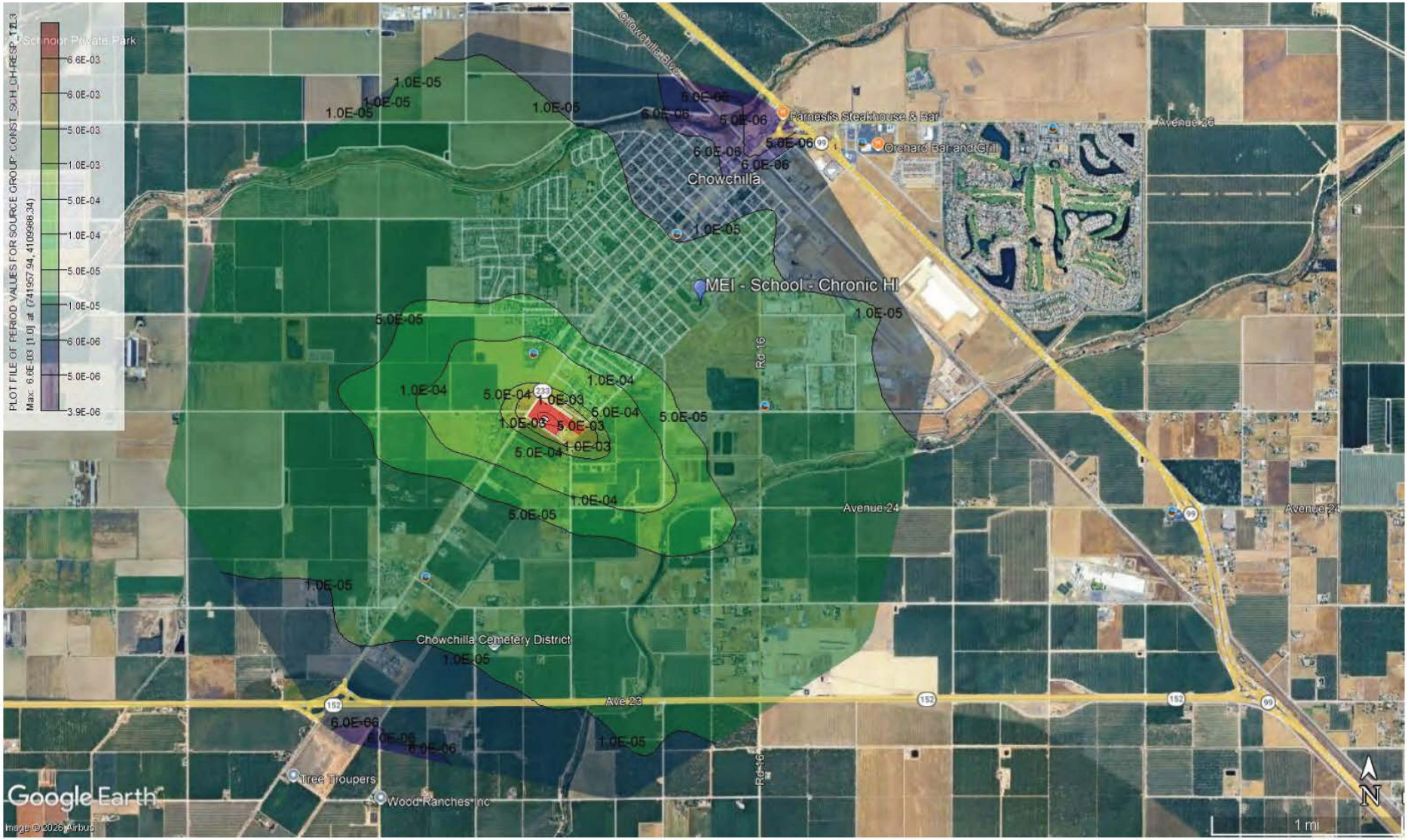

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CANCER
Max: 7.2E-06 [1E-06] at (741957.94, 4109988.34)
7.2E-06
6.5E-06
5.0E-06
1.0E-06
5.0E-07
1.0E-07
5.0E-08
1.0E-08
7.0E-09
5.0E-09
4.3E-09
MEI - Sensitive - Cancer Risk
Chowchilla
Farhesh's Steakhouse & Bar
Orchard Banquet Grill
Avenue 26
Avenue 24
Ave 23
Rd 16
Rd 14
Chowchilla Cemetery District
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2026 Airbus
1 mi
N

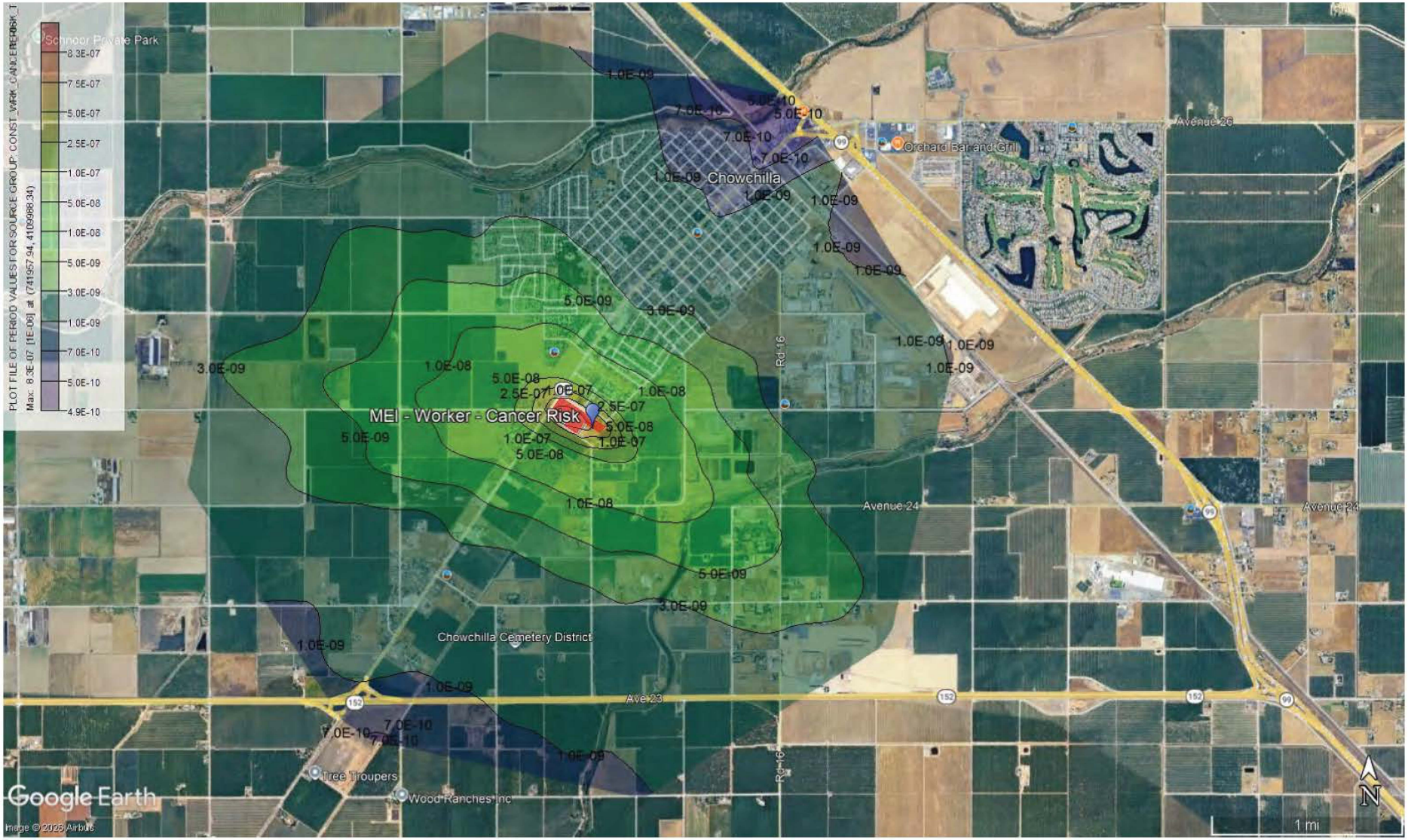

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CHRESP_113
Max: 6.6E-03 [1.0] at (741957.94, 4109988.34)
6.6E-03
6.0E-03
5.0E-03
1.0E-03
5.0E-04
1.0E-04
5.0E-05
1.0E-05
6.0E-06
5.0E-06
3.9E-06
Junior Private Park
Chowchilla Blvd
Farnese's Steakhouse & Bar
Orchard Bar and Grill
Chowchilla
Avenue 26
Rd 16
MEI - Sensitive - Chronic HI
Avenue 24
Chowchilla Cemetery District
Ave 23
Tree Troupers
Wood Ranches Inc
Rd 14
Google Earth
Image © 2026 Airbus
1 mi
N


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CANCERRISK_T
Max: 1.3E-05 [1E-06] at (741957.94, 4109988.34)
1.3E-05
1.0E-05
7.0E-06
5.0E-06
1.0E-06
5.0E-07
2.0E-07
1.0E-07
5.0E-08
1.0E-08
7.4E-09
Richmoor Private Park
Chowchilla Blvd
Farnesi's Steakhouse & Bar
Orchard Bar and Grill
Avenue 26
Chowchilla
MEI - School - Cancer Risk
Rd 16
Avenue 24
Chowchilla Cemetery District
Ave 23
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2026 Airbus
1 mi
N

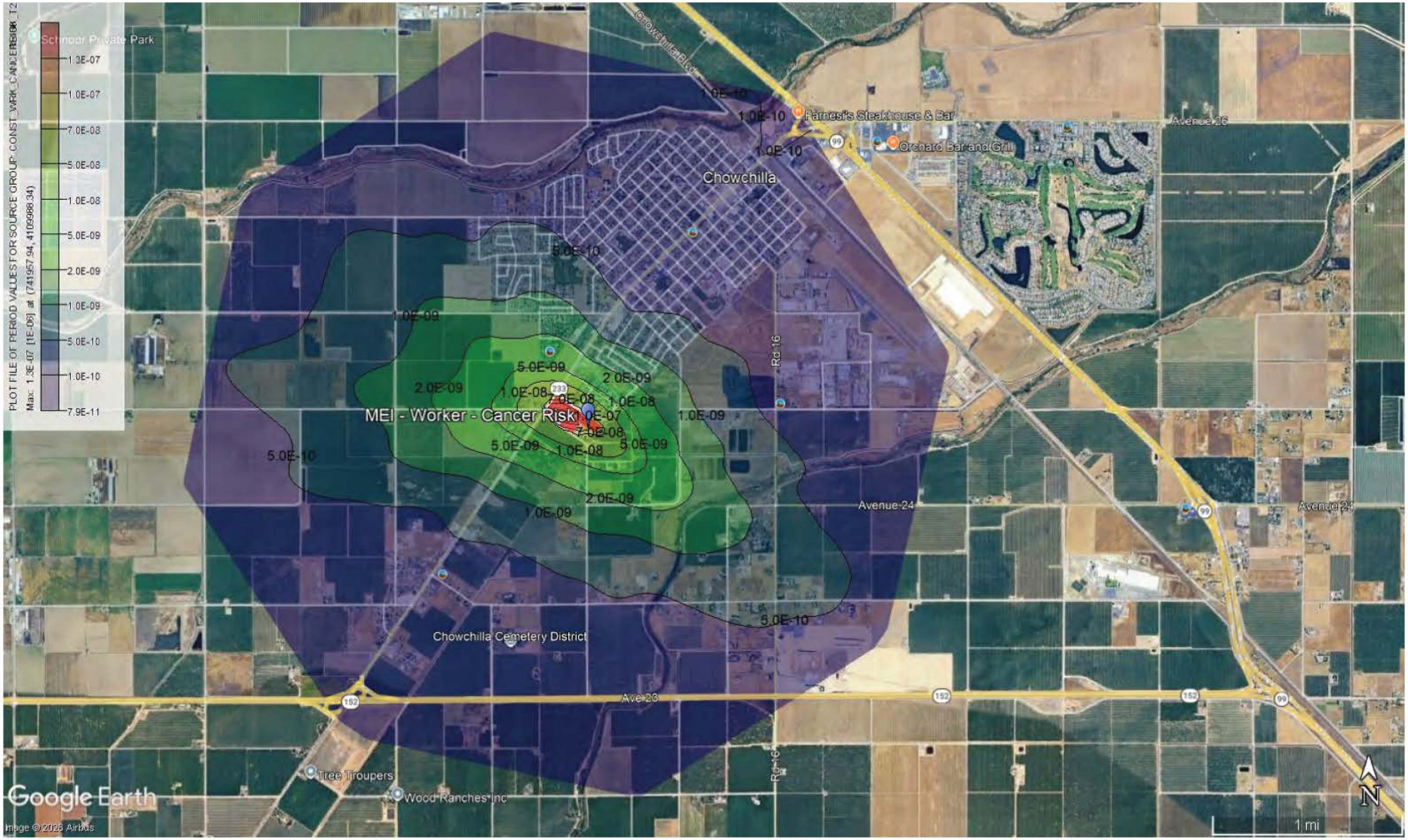

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CH-RESP_12
Max: 4.02E-02 [1.0] at (741957.94, 4109988.34)
4.02E-02
3.50E-02
1.50E-02
1.00E-02
5.00E-03
1.00E-03
5.00E-04
1.00E-04
9.00E-05
5.00E-05
2.37E-05
Ochroon Private Park
Chowchilla Lake
Parnell's Steakhouse & Bar
Orchard Bar and Grill
Avenue 26
Chowchilla
MEI - School - Chronic HI
Rd 16
Avenue 24
Chowchilla Cemetery District
Ave 23
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2026 Airbus
1 mi
N

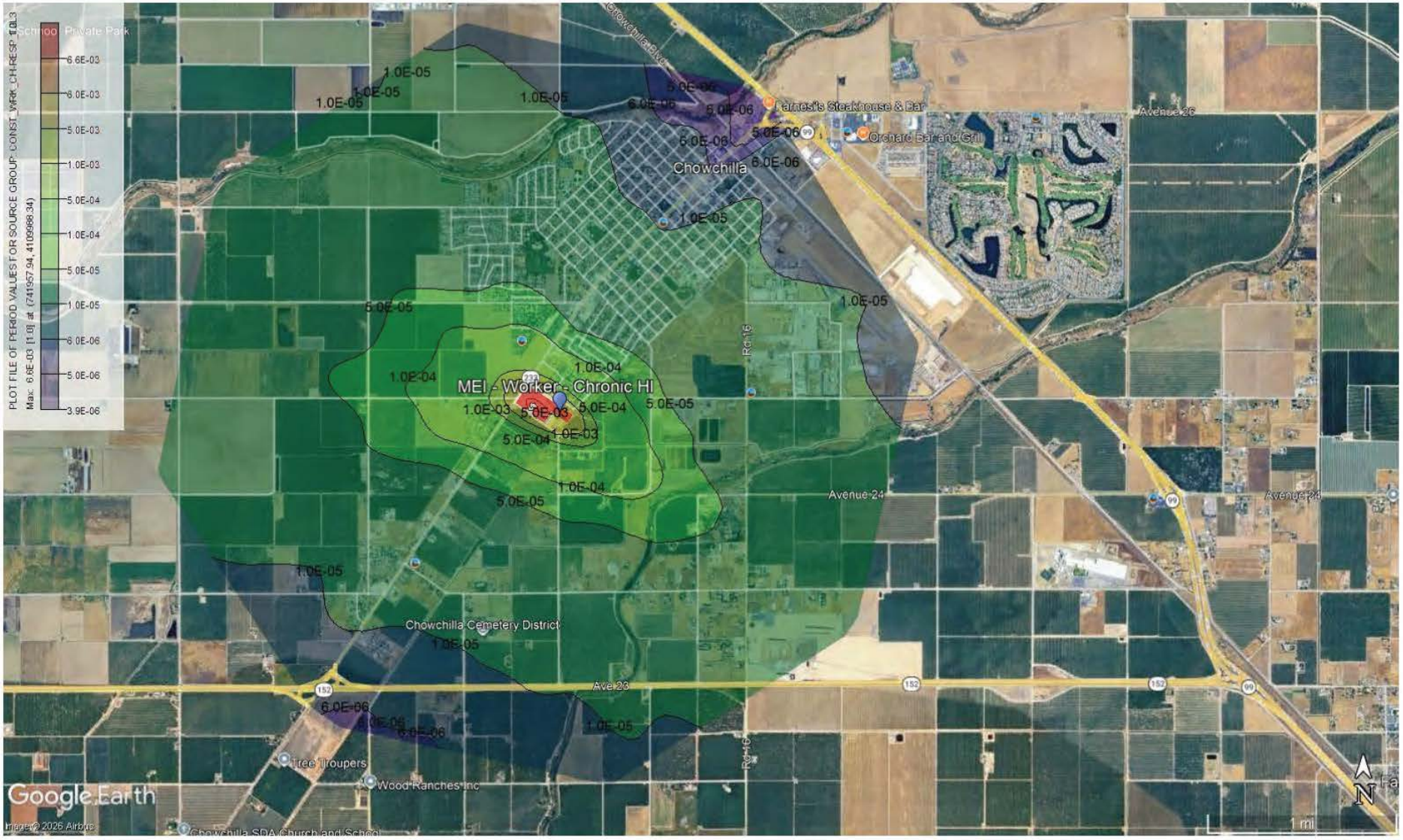

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CANCERRISK_T2
Max: 2.01E-06 [1E-06] at (741957.94, 4109968.34)
2.01E-06
1.50E-06
1.00E-06
8.00E-07
5.00E-07
1.00E-07
6.00E-08
5.00E-08
2.00E-08
1.00E-08
5.00E-09
1.19E-09
Shannon Private Park
Chowchilla Blvd
Farnesis Steakhouse & Bar
Orchard Bar and Grill
Avenue 26
Chowchilla
MEI - School - Cancer Risk
Rd 16
Avenue 24
Chowchilla Cemetery District
Ave 23
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2026 Airbus
1 mi
N


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CH-RESP_TL3
Max: 6.6E-03 [1.0] at (741957.94, 4109988.34)
6.6E-03
6.0E-03
5.0E-03
1.0E-03
5.0E-04
1.0E-04
5.0E-05
1.0E-05
6.0E-06
5.0E-06
3.9E-06
Schnoor Private Park
Chowchilla Blvd
Farnesi's Steakhouse & Bar
Orchard Bar and Grill
Chowchilla
MEI - School - Chronic HI
Rd 16
Avenue 26
Avenue 24
Chowchilla Cemetery District
Ave 23
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2026 Airbus
1 mi
N


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CANCERRISK_T
Max: 8.3E-07 [1E-06] at (741957.94, 4109988.34)
8.3E-07
7.5E-07
5.0E-07
2.5E-07
1.0E-07
5.0E-08
1.0E-08
5.0E-09
3.0E-09
1.0E-09
7.0E-10
5.0E-10
4.9E-10
MEI - Worker - Cancer Risk
Schnoor Private Park
Chowchilla
Orchard Bar and Grill
Avenue 26
Avenue 24
Rd 16
Chowchilla Cemetery District
Ave 23
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2025 Airbus
1 mi
N


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CH-RESP_10
Max: 4.02E-02 [1.0] at (741957.94, 4109988.34)
4.02E-02
3.50E-02
1.50E-02
1.00E-02
5.00E-03
1.00E-03
5.00E-04
1.00E-04
9.00E-05
5.00E-05
2.37E-05
MEI - Worker - Chronic HI
Chowchilla
Chowchilla Cemetery District
Farnesi's Steakhouse & Bar
Orchard Bar and Grill
Avenue 26
Avenue 24
Ave 23
Rd 16
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2026 Airbus
1 mi
N


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CANCERRISK_T2
Max: 1.3E-07 [1E-06] at (741957.94, 4109988.34)
1.3E-07
1.0E-07
7.0E-08
5.0E-08
1.0E-08
5.0E-09
2.0E-09
1.0E-09
5.0E-10
1.0E-10
7.9E-11
MEI - Worker - Cancer Risk
Schnoor Private Park
Chowchilla
Harnesh's Steakhouse & Bar
Orchard Bar and Grill
Avenue 26
Rd 16
Avenue 24
Chowchilla Cemetery District
Ave 23
Tree Troupers
Wood Ranches Inc
Google Earth
Image © 2026 Airbus
1 mi
N


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CHRESP_10L3
Max: 6.6E-03 [1.0] at (741957.94, 4109968.34)
6.6E-03
6.0E-03
5.0E-03
1.0E-03
5.0E-04
1.0E-04
5.0E-05
1.0E-05
6.0E-06
5.0E-06
3.9E-06
MEI - Worker - Chronic HI
Chowchilla
Chowchilla Cemetery District
Tarnesi's Steakhouse & Bar
Orchard Bar and Grill
Avenue 26
Avenue 24
Ave 23
Rd 16
Tree Troupers
Wood Ranches Inc
Google Earth
1 mi
N

PM 10				
Tons/Yr	T2	T2L3	T4I	T4F
Year 1	0.049888	0.007737	0.007523	0.004275
Year 2	0.090905	0.014904	0.012825	0.007074
Year 3	0.00499165	0.000749	0.000951	0.000234
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T2L3	T4I	T4F
Year 1	99.776	15.473	15.046	8.5496
Year 2	181.81	29.808	25.649	14.147
Year 3	9.9833	1.4975	1.9013	0.4689
Year 4	0	0	0	0

PM 10				
% Chng	T2	T2L3	T4I	T4F
Year 1	100%	16%	15%	9%
Year 2	100%	16%	14%	8%
Year 3	100%	15%	19%	5%
Year 4	0%	0%	0%	0%

HARP Adjustment						
24	X	7	X	52	=	3.88
9		5		50		

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 3/1/2026
** File: D:\LSA\2026\20231491 Chowchilla Residential\Construction\Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2026\20231491 Chowchilla Residential\Construction\Constructio
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID OTHER
   RUNORNOT RUN
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   741921.818  4110152.035       68.580
** Source Parameters **
   SRCPARAM CONST        0.0000179966     3.048        10
   AREAVERT CONST        741921.818 4110152.035 742305.409 4109914.316
   AREAVERT CONST        742260.987 4109861.490 742123.518 4109949.134
   AREAVERT CONST        742065.289 4109854.287 741962.638 4109917.318
   AREAVERT CONST        742013.063 4109989.954 741956.635 4110022.971
   AREAVERT CONST        741912.813 4109946.132 741828.171 4110005.562

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
SO FINISHED
```

```
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\Madera_2020-2024.SFC
   PROFFILE ..\Madera_2020-2024.PFL
   SURFDATA 93242 2020
   UAIRDATA 72493 2020
   PROFBASE 77.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
   PLOTFILE PERIOD CONST Construction.AD\PE00G001.PLT 32
   SUMMFILE Construction.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      83       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187      83       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

***   MODEL SETUP OPTIONS SUMMARY   ***

- -

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE = F
     * Model Uses NO WET DEPLETION. WETDPLT = F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses RURAL Dispersion Only.
     * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
     * CCVR_Sub - Meteorological data includes CCVR substitutions
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
    and Calculates PERIOD Averages

**This Run Includes: 1 Source(s);   1 Source Group(s); and   5883 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)
                and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 24142

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   77.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   4.2 MB of RAM.

```
**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**File for Summary of Results:   Construction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.17997E-04	741921.8	4110152.0	68.6	3.05	10	0.00	NO	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\Madera_2020-2024.SFC Met Version: 24142
Profile file: ..\Madera_2020-2024.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93242 Upper air station no.: 72493
Name: UNKNOWN Name: UNKNOWN
Year: 2020 Year: 2020

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
20	01	01	1	01	-18.2	0.182	-9.000	-9.000	-999.	187.	36.6	0.05	0.81	1.00	2.62	76.	10.0	284.2	2.0
20	01	01	1	02	-11.6	0.144	-9.000	-9.000	-999.	131.	23.0	0.05	0.81	1.00	2.10	77.	10.0	280.9	2.0
20	01	01	1	03	-7.7	0.116	-9.000	-9.000	-999.	94.	18.2	0.05	0.81	1.00	1.72	63.	10.0	280.3	2.0
20	01	01	1	04	-4.6	0.091	-9.000	-9.000	-999.	66.	15.0	0.08	0.81	1.00	1.21	33.	10.0	279.8	2.0
20	01	01	1	05	-16.6	0.173	-9.000	-9.000	-999.	172.	32.8	0.05	0.81	1.00	2.49	89.	10.0	279.8	2.0
20	01	01	1	06	-4.1	0.087	-9.000	-9.000	-999.	64.	14.4	0.08	0.81	1.00	1.14	57.	10.0	279.8	2.0
20	01	01	1	07	-4.9	0.092	-9.000	-9.000	-999.	67.	14.1	0.04	0.81	1.00	1.42	117.	10.0	279.2	2.0
20	01	01	1	08	-6.6	0.108	-9.000	-9.000	-999.	86.	17.4	0.06	0.81	0.67	1.57	357.	10.0	277.5	2.0
20	01	01	1	09	4.3	0.115	0.135	0.013	21.	93.	-32.0	0.04	0.81	0.37	1.42	113.	10.0	277.5	2.0
20	01	01	1	10	46.6	0.168	0.634	0.014	198.	166.	-9.2	0.03	0.81	0.26	2.04	152.	10.0	278.8	2.0
20	01	01	1	11	77.4	0.139	0.867	0.015	305.	125.	-3.2	0.02	0.81	0.23	1.54	181.	10.0	277.5	2.0
20	01	01	1	12	93.6	0.122	0.969	0.014	351.	103.	-1.8	0.03	0.81	0.21	1.18	301.	10.0	275.9	2.0
20	01	01	1	13	94.9	0.137	1.011	0.014	393.	121.	-2.4	0.03	0.81	0.21	1.40	156.	10.0	278.1	2.0
20	01	01	1	14	80.2	0.189	0.981	0.014	425.	198.	-7.6	0.02	0.81	0.22	2.35	255.	10.0	277.0	2.0
20	01	01	1	15	50.9	0.206	0.862	0.014	453.	225.	-15.5	0.03	0.81	0.26	2.59	278.	10.0	276.4	2.0
20	01	01	1	16	9.9	0.145	0.502	0.014	462.	133.	-27.9	0.03	0.81	0.35	1.91	275.	10.0	277.0	2.0
20	01	01	1	17	-6.8	0.109	-9.000	-9.000	-999.	87.	17.2	0.03	0.81	0.61	1.79	273.	10.0	280.3	2.0
20	01	01	1	18	-1.9	0.061	-9.000	-9.000	-999.	37.	11.1	0.02	0.81	1.00	0.86	206.	10.0	283.1	2.0
20	01	01	1	19	-5.7	0.095	-9.000	-9.000	-999.	71.	13.8	0.02	0.81	1.00	1.72	219.	10.0	284.8	2.0
20	01	01	1	20	-5.1	0.092	-9.000	-9.000	-999.	67.	13.9	0.03	0.81	1.00	1.55	152.	10.0	285.9	2.0
20	01	01	1	21	-6.3	0.105	-9.000	-9.000	-999.	82.	16.6	0.05	0.81	1.00	1.57	73.	10.0	287.0	2.0
20	01	01	1	22	-7.6	0.112	-9.000	-9.000	-999.	89.	16.4	0.02	0.81	1.00	1.99	217.	10.0	287.5	2.0
20	01	01	1	23	-4.3	0.084	-9.000	-9.000	-999.	59.	12.5	0.02	0.81	1.00	1.45	194.	10.0	287.0	2.0
20	01	01	1	24	-3.8	0.085	-9.000	-9.000	-999.	59.	14.3	0.08	0.81	1.00	1.11	54.	10.0	287.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
20	01	01	01	10.0	1	76.	2.62	284.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	19.81846 AT (741954.12, 4109980.70, 68.88, 68.88, 0.00)	DC	
	2ND HIGHEST VALUE IS	19.34849 AT (741972.89, 4109984.68, 68.88, 68.88, 0.00)	DC	
	3RD HIGHEST VALUE IS	18.77411 AT (741980.07, 4109975.95, 68.88, 68.88, 0.00)	DC	
	4TH HIGHEST VALUE IS	18.11106 AT (741977.05, 4109967.82, 68.88, 68.88, 0.00)	DC	
	5TH HIGHEST VALUE IS	17.34119 AT (741960.55, 4109963.31, 68.88, 68.88, 0.00)	DC	
	6TH HIGHEST VALUE IS	16.73007 AT (741938.90, 4109955.47, 68.88, 68.88, 0.00)	DC	
	7TH HIGHEST VALUE IS	16.23564 AT (741965.97, 4109950.25, 68.88, 68.88, 0.00)	DC	
	8TH HIGHEST VALUE IS	14.32993 AT (742157.60, 4109901.96, 68.88, 68.88, 0.00)	DC	
	9TH HIGHEST VALUE IS	13.32067 AT (741939.56, 4109939.78, 68.88, 68.88, 0.00)	DC	
	10TH HIGHEST VALUE IS	12.96658 AT (741953.83, 4109932.25, 68.88, 68.88, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	HIGH 1ST HIGH VALUE IS 1355.70843	ON 22111808:	AT (741801.43, 4110039.20, 68.58, 68.58, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   1627 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   557 Calm Hours Identified

A Total of   1070 Missing Hours Identified (2.44 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   83   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   83   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

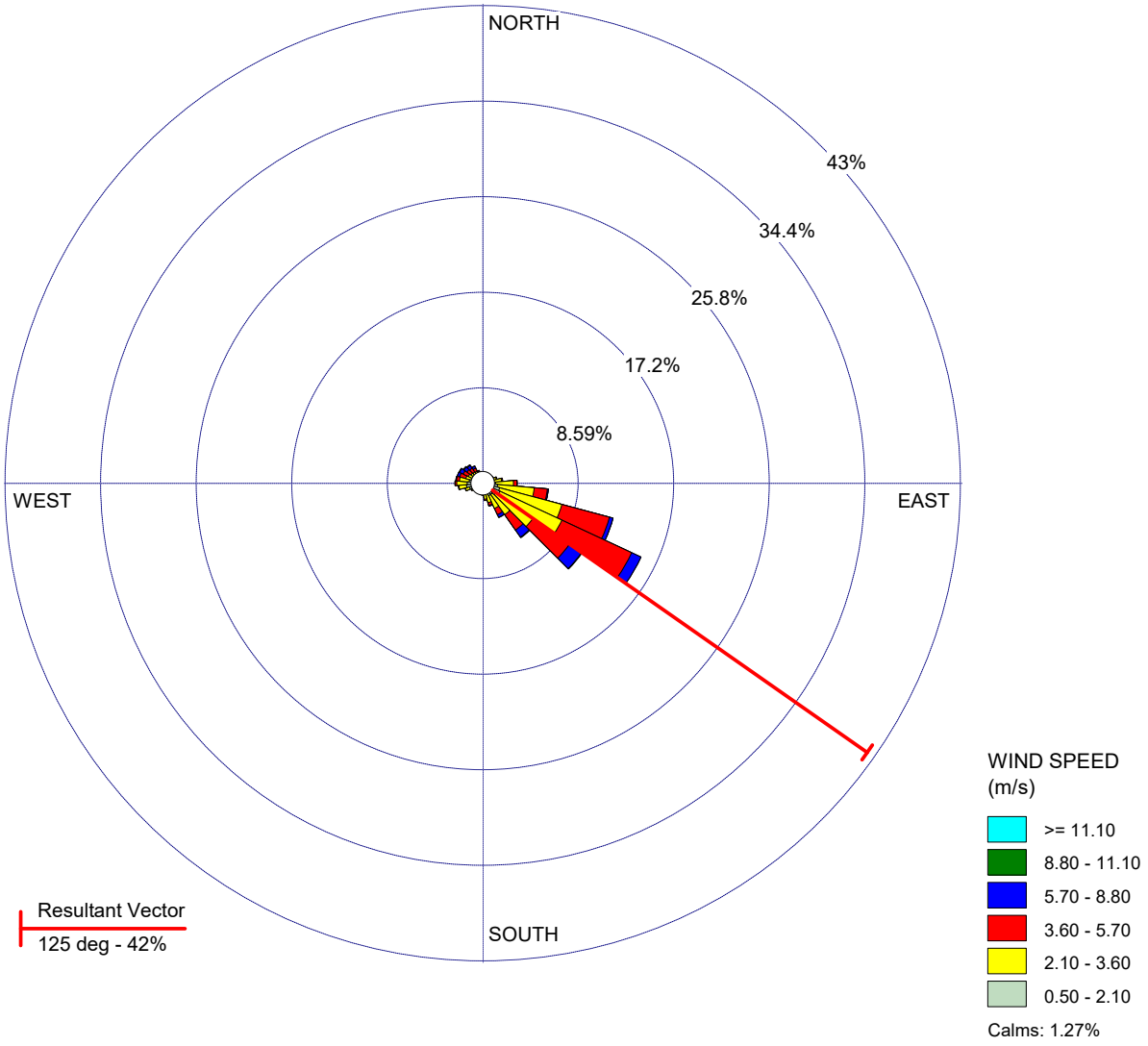
   ****
   *** AERMOD Finishes Successfully ***
   ****

WIND ROSE PLOT:

Madera Airport
2020 - 2024

DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS: Madera Airport 2020 - 2024	DATA PERIOD: **Start Date: 1/1/2020 - 00:00** **End Date: 12/31/2024 - 23:59**	COMPANY NAME: **LSA**	
		MODELER:	
	CALM WINDS: **1.27%**	TOTAL COUNT: **43543 hrs.**	
	AVG. WIND SPEED: **2.96 m/s**	DATE: **7/7/2025**	PROJECT NO.:

HARP2 - HRACalc (dated 22118) 3/1/2026 7:42:22 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/1/2026 7:44:00 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/1/2026 7:45:25 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 2
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year3_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year3_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year3_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year3_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year3_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Sensitive_Year3_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/1/2026 8:34:35 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 4
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

HARP2 - HRACalc (dated 22118) 3/1/2026 8:12:44 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/1/2026 8:20:40 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 17
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/1/2026 8:27:19 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 18
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year3_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year3_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year3_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year3_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year3_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\Worker_Year3_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP Project Summary Report 3/1/2026 8:28:34 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_CONST
Project Output Directory: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST
HARP Database: NA

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH25268
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/1/2026 8:38:19 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 5
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/1/2026 8:40:49 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 6
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year3_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year3_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year3_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year3_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year3_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2026\20231491 Chowchilla Residential\HARP_CONST\hra\School_Year3_NCAcuteRiskSumByRec.csv
HRA ran successfully